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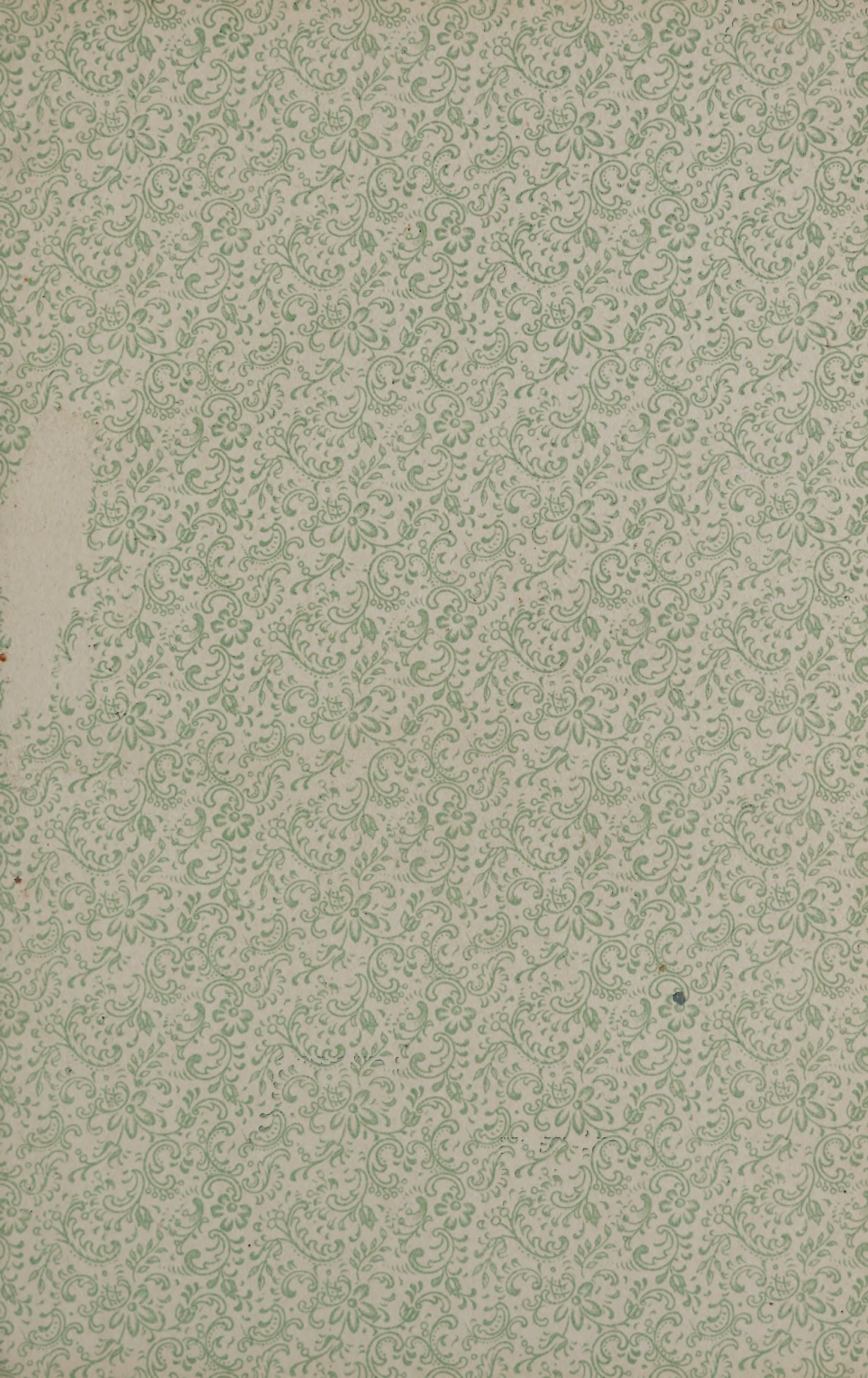
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# SIXTY-FIFTH ANNUAL REPORT

OF THE

## RECEIPTS AND EXPENDITURES

OF THE

137964

# CITY OF MANCHESTER

NEW HAMPSHIRE

FOR THE FISCAL YEAR ENDING

## DECEMBER 31, 1910

TOGETHER WITH

OTHER ANNUAL REPORTS AND PAPERS RELATING TO  
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1911





# MANCHESTER CITY GOVERNMENT, 1910.

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## Mayor.

EUGENE E. REED.....Office, City Hall

Chosen at biennial election in November, 1908. Salary, \$3,000 per annum, payable monthly. (Act of June, 1848, section 1. Chapter 223, Laws of 1883. Chapter 203, Laws of 1907. Public Statutes, chapter 47.)

Mayor's Clerk and Stenographer.—Susie E. Wason, 319 Hanover St.

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## Aldermen.

- |          |   |
|----------|---|
| Ward 1.  | Ernest W. Wiesner, 19 Market street.  |
| Ward 2.  | { Joseph H. Geisel,* 225 Ash street.<br>Albert L. Clough,† 181 Walnut street. |
| Ward 3.  | Fred O. Parnell, 327 Orange street.   |
| Ward 4.  | Maurice L. Hoitt, 394 Hanover street.   |
| Ward 5.  | Richard J. Barry, 232 Lake avenue.  |
| Ward 6.  | Andrew B. Bunton, 311 Lake avenue.  |
| Ward 7.  | Herbert A. Salls, 12 West Merrimack street.                                   |
| Ward 8.  | James E. MacDonald, 154 Mast street.  |
| Ward 9.  | Arthur J. Provost, 516 Notre Dame avenue.                                     |
| Ward 10. | Peter J. Charron, 615 Harvard street.   |

Salary \$3 per meeting, amount not to exceed \$200 annually.

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## Board of Common Council, 1910.

James B. Fitch, President, 735 Chestnut street.

### WARD 1.

Charles W. Richards, 36 Stark street.  
Patrick B. Maloney, 31 Mechanic street.  
William A. Burlingame, 30 Stark street.

### WARD 2.

James B. Fitch, 735 Chestnut street.  
Alfred K. Hobbs, 29 Appleton street.  
Philip F. Grenier, 948 Union street.

\* Resigned March 1, 1910.

† Elected May 3, 1910.



## WARD 3.

Amedee G. Ledoux, 22 Jane street.  
Gustave A. Bergquist, 13 Jane street.  
Willie F. Bean, 333 Bridge street.

## WARD 4.

Hertel Pariseau, 318 Hanover street.  
Charles F. Hill, 388 Laurel street.  
George H. Hammond, 340 Manchester street.

## WARD 5.

Mederic P. Pepin, 206 Grove street.  
John J. Berry, 109 Spruce street.  
Patrick J. Horan, 282 Summer street.

## WARD 6.

Henry H. McKelvie, 314 Central street.  
Charles G. Hastings, 581 Lake avenue.  
George M. Goodwin, 453 Central street.

## WARD 7.

Frank R. Vose, 35 West Merrimack street.  
Ralph S. Nelson, 32 Market street.  
Robert Leggett, 8 West Merrimack street.

## WARD 8.

George Q. Caldwell, 684 Mast street.  
Gustav F. Wenzel, 154 Second street.  
Frederick Lange, 23 Boynton street.

## WARD 9.

John E. Hering, 589 Main street.  
Arthur T. Beaumier, 30 Putnam street.  
Alfred E. Demers, 150 Amory street.

## WARD 10.

Thomas J. McDonough, 37 Westland avenue.  
John J. Connor, 47 Elm street.  
Christopher G. Marr, 455 Shasta street.

No salary.

**Clerk of the Common Council.**

Harry W. Spaulding, 384 East High street.

Salary, \$100. (General Laws, chapter 46, sections 7-9. City Laws and Ordinances, page 33, chapter 6, section 11.)

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**City Clerk.**

Edward C. Smith.....Office, City Hall

Salary, \$1,350 and fees. (Laws, 1899, chapter 6.) Chosen in January, biennially, by board of aldermen. Residence, 900 Union street. Also clerk of all committees of the board of aldermen; salary, \$200.

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**City Clerk's Clerks.**

Éva G. Jones.....City Clerk's Office, City Hall

Malvina B. Levesque.....City Clerk's Office, City Hall

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**City Auditor.**

James E. Dodge.....Office, City Hall

Salary, \$1,350. Appointed by mayor and approved by board of aldermen in January, biennially. (Laws of 1889, chapter 287. City Ordinances, pages 44, 71, 83-88, 173.) Residence, River road north.

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**Auditor's Clerk.**

Lizzie M. Cogswell.....Auditor's Office, City Hall

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**City Treasurer.**

Fred L. Allen.....Office, City Hall

Salary, \$1,650. Elected by board of aldermen in January, biennially. (Act of January, 1897, chapter 198.) Residence, 33 Walnut street.

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**Treasurer's Clerk.**

Mabel L. How.....Treasurer's Office, City Hall



**Collector of Taxes.**

George E. Morrill.....Office, City Hall

Salary, \$1,500, and fees. Elected by mayor and aldermen before May 1, biennially. (Act of July, 1851. Act of June, 1859, section 6. Act of 1897, chapter 198. Public Statutes, chapter 43. City Laws and Ordinances, chapter 33.) Residence, 740 Chestnut street.

**Deputy Collectors of Taxes.**

Edwin C. Paul.....Collector's Office, City Hall

Abraham S. Rich.....Collector's Office, City Hall

Denis Vigneault.....Collector's Office, City Hall

Salary, \$800. Appointed by tax collector with approval of mayor and aldermen. (City Laws and Ordinances, chapter 33, section 3.)

**City Solicitor.**

John T. Nixon.....Office, Patten's Block

Salary, \$800. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198.) Residence, 385 Lake avenue.

**City Messenger.**

James R. Ferson.....Office, City Hall

Salary, \$1,000. Elected by board of aldermen in January, biennially. (City Laws and Ordinances, chapters 4, 6.)

**Board of Aldermen.**

## STANDING COMMITTEES.

*On Accounts.*—Wiesner, Charron, Bunton.

*On Bills on Second Reading.*—Barry, Salls, Provost.

*On City Farm.*—Hoitt, MacDonald, Bunton.

*On Claims.*—Charron, Geisel, Clough, Provost.

*On Cemeteries.*—Bunton, Parnell, MacDonald, Hoitt, Wiesner.

*On Enrollment.*—Wiesner, Salls, Geisel, Clough.

*On Finance.*—Mayor, Geisel, Clough, MacDonald.

*On Fire Department.*—Barry, Parnell, Hoitt.

*On Lands and Buildings.*—MacDonald, Bunton, Charron.

*On Licenses.*—Salls, Provost, Hoitt.

*On Lighting Streets.*—Geisel, Clough, Barry, Parnell.

*On Military Affairs.*—Bunton, Provost, Salls.

*On Public Health.*—Geisel, Clough, MacDonald, Wiesner.

*On Setting Trees.*—Charron, Parnell, Hoitt.

*On Sewers and Drains.*—Parnell, Barry, Charron.

*On Streets.*—Provost, Wiesner, Salls.

Member first named is chairman of respective committee.

Clerk of Committees (except Committees on Streets, Sewers, and Cemeteries), Edward C. Smith. Salary, \$200 annually.

Clerk of Committees on Streets and Sewers, Samuel J. Lord.

## Board of Common Council.

### STANDING COMMITTEES.

*No. 1. On Central Department, Auditor's, Engineer's, and Department of Taxes.*—Messrs. Connor, Hobbs, Bean, Burlingame, and Demers.

*No. 2. On Street and Sewer Department.*—Messrs. Leggett, Maloney, Grenier, Berry, and Hering.

*No. 3. On School Department.*—Messrs. Hobbs, Burlingame, Hastings, McDonough, and Fitch.

*No. 4. On Fire Department and Hydrant Service.*—Messrs. Wenzel, Hammond, McKelvie, Vose, and Lange.

*No. 5. On Public Buildings and Public Places.*—Messrs. Beaumier, Hill, Pariseau, Horan, and Nelson.

*No. 6. On Health, Police Department, Public Library, Patriotic, Charitable, and Philanthropic Department.*—Messrs. Pariseau, Nelson, Bergquist, Goodwin, and Leggett.

*No. 7. On Lighting Streets.*—Messrs. Richards, Ledoux, Pepin, Caldwell, and Marr.

(Member first named is chairman of respective committee.)

## Committee on Finance.

President of the Common Council, James B. Fitch, chairman, *ex officio*, and the chairman of the different committees named above: Messrs. Connor, Leggett, Hobbs, Wenzel, Beaumier, Pariseau, and Richards.

## Committee on Enrollment.

Mr. McKelvie, chairman, Messrs. Bean and McDonough.



**City Physician.**

John C. O'Connor, M. D.....Residence, 68 Walnut St.  
Office, 12 Cilley Building

Salary, \$900. Elected by board of aldermen in January, biennially.  
(Act of 1897, chapter 198. City Ordinances, chapter 9, sections 29, 30.)

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**Chief Engineer.**

Samuel J. Lord.....Office, City Hall

Salary, \$2,200. Chosen by board of aldermen in April, term six years. (Chapter 250, Laws of 1907.)

**ENGINEER'S ASSISTANTS.**

Harrie M. Young. Henry A. Worthen.  
George M. Wales. Alfred T. Dodge.  
Harold C. McAllister. Lawrence O'Connor.  
Glen B. Eastman.

**STENOGRAPHER.**

John J. McAllister, Jr.

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**Water Commissioners.**

(Chapter 70, Laws of 1871. City Ordinances, chapter 36, and Laws of 1891, chapter 26, page 319, act approved March 31, 1891. Chapter 183, Laws of 1893.) One commissioner elected annually by mayor and aldermen, in the month of September, for a term of six years. Office at court house, corner Franklin and West Merrimack streets. Telephone at office and at pumping station.

The Mayor, *ex officio*.

Charles H. Manning, chairman. Term expires January, 1913.

William Corey. Term expires January, 1911.

Edgar J. Knowlton. Term expires January, 1916.

Charles M. Floyd. Term expires January, 1914.

Perry H. Dow. Term expires January, 1915.

Robert E. McKean. Term expires January, 1912.

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**Superintendent of Water-Works.**

Charles K. Walker.....Office, Court House, Franklin street

Salary, \$2,400. Chosen by water commissioners annually. Residence, 68 South Main street, West Manchester.

**Clerk of Water-Works.**

Arthur E. Stearns.....Office, Court House, Franklin street  
Salary, \$1,800. Chosen by water commissioners annually.

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**Engineer at Old Pumping Station.**

Jerome J. Lovering. Salary, \$700, rent, fuel and use of land.

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**Engineer at New Pumping Station.**

C. A. Whitney, \$2.50 per day, rent, and fuel.

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**Justice of the Police Court.**

Isaac L. Heath,\* court room at police station, corner Manchester and Chestnut streets.

Harry E. Loveren,† court room at police station, corner Manchester and Chestnut streets.

Salary, \$1,500. Appointed by the governor with the advice of the council. (General Laws, chapter 215; chapter 163, sections 17, 18, 19, of the Laws of 1878, as amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.)

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**Associate Justice of the Police Court.**

Harry E. Loveren. Salary, \$300 per annum. Served to October 1, 1910.

Frank C. Livingston. Salary, \$300 per annum. Appointed October 1, 1910.

Appointed by the governor with the advice of the council. (Chapter 215, General Laws, section 2-14. Public Statutes, chapter 211. Chapter 296, Laws of 1893.)

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**Clerk of the Police Court.**

John C. Bickford. Salary, \$600.

Appointed by the justice of the police court. (Chapter 163, sections 17-19, General Laws, amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.) Residence, 15 Ash street.

\* Term expired by age, August 23, 1910.

† Appointed to vacancy, August 23, 1910.



### Police.

The members of the police are appointed by the police commissioners, and hold their commissions during good behavior. They are, by virtue of their appointment, constables and conservators of the peace, and their jurisdiction extends throughout the city. (Chapter 253, section 5, General Laws; chapter 303, Laws of 1887; chapter 202, Laws of 1893.) Police station at the corner of Chestnut and Manchester streets.

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### Police Commissioners.

See chapter 202, Laws of 1893.

Thomas R. Varick, clerk. Term expires January, 1916.

Peter A. Farrell. Term expires January, 1914.

Edward B. Woodbury, chairman. Term expires January, 1912.

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### Chief of Police

Michael J. Healy.....Office at Police Station

Salary, \$3,000. Residence, 304 Central street. Telephone at house and office.

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### Deputy Chief of Police.

John F. Cassidy.....Office at Police Station

Salary, \$1,800. Residence, 569 Hanover street.

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### Captain of the Watch.

Thomas E. Steele. Salary, \$3.50 per day. Residence, 253 Walnut street.

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### Sergeants.

Peter Callaghan. Salary, \$3.25 per day. Residence, 1017 Hayward street.

John T. O'Dowd. Salary, \$3.25 per day. Residence, 548 Maple street.

John J. Lynch. Salary, \$3.25 per day. Residence, 1436 Elm street.

**Inspector.**

Clifton B. Hildreth. Salary, \$3.25 per day. Residence, 386 Walnut street.

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**Electrician.**

Edward H. McQuaid. Salary, \$3.00 per day. Residence, 412 Cedar street.

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**Clerk and Stenographer.**

John F. Griffin. Salary, \$2.75 per day. Residence, 868 Union street.

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**Patrolmen.**

|                     |                        |
|---------------------|------------------------|
| Adler, Leonard J.   | Moher, William M.      |
| Badger, John C.     | Moore, Frank P.        |
| Bean, Randall W.    | Moriarty, Mortimer J   |
| Benoit, Aurel N.    | Moran, John F.         |
| Berwin, J. Henry    | O'Malley, John F.      |
| Brown, John G.      | Pennett, John E.       |
| Brown, Thomas F.    | Pitman, J. Foster      |
| Conlon, Arthur J.   | Potts, John            |
| Connor, John J.     | Riorden, George P.     |
| Coolidge, Edgar L.  | Robitaille, Albert C.  |
| Corbett, Michael H. | Rourke, Martin W.      |
| Dunn, James F.      | Russell, Albert        |
| Dustin, Frank J.    | Scannell, Frederick J. |
| Dwyer, R. Emmet     | Shea, Jeffrey          |
| Foye, William F.    | Sheehy, Patrick        |
| Graf, Oscar J.      | Smith, John F.         |
| Hackett, James      | Smith, Roswell J.      |
| Hampston, James J.  | Somers, Elmer E.       |
| Healy, John D.      | Stewart, William J.    |
| Jennings, Peter J.  | Sullivan, Florence     |
| Kenney, George H.   | Sweeney, James         |
| Lovejoy, George A.  | Tibbetts, Frank E.     |
| Marden, Frank W.    | Welch, John T.         |
| McGrath, Matthew F. | Whalen, Michael J.     |

Wood, Charles L.

Salary, \$2.75 per day.



### Janitor of Station.

Frank P. Wiggin. Salary, \$2.00 per day. Residence, 293 Spruce street.

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### Matron.

Miss A. B. Brown. Salary, \$425 per annum. Residence, 228 Merrimack street.

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### School Committee.

Chosen at the biennial election in November, 1906; mayor and president of the common council members, *ex officio*. The board of school committee choose the clerk of the board, the superintendent of public instruction, the truant officer, and the teachers in the public schools, and determine their salaries. They have charge of the repairs of schoolhouses, to a limited extent, and the purchase of free text-books and other supplies, and are limited by the appropriations of the city councils. The salary of the committee is \$10 each.

#### WARD 1.

Sumner W. Patten.

Joseph W. Abbott.

#### WARD 2.

George M. Davis.

Allan M. Wilson.

#### WARD 3.

Thomas Chalmers.

Frank L. Downs.

#### WARD 4.

Edward P. Morrill.

William A. Phinney.

#### WARD 5.

Joseph P. Devine.

John F. Lee

#### WARD 6.

G. Waldo Browne.

Harry L. Davis.

#### WARD 7.

Edward B. Woodbury.

Albert W. Thompson.

#### WARD 8.

Walter B. Mitchell.

Frank A. Cadwell.

WARD 9.

Antoine M. Menard.

Aime Martel.

WARD 10.

Francis X. Lyons.

John H. Rice.

Eugene E. Reed, *ex officio*, chairman.

James B. Fitch, *ex officio*.

Edward B. Woodbury, vice-chairman.

Harry L. Davis, clerk.

**Superintendent of Public Instruction.**

Charles W. Bickford.....Office, City Hall

Salary, \$2,300.

**Superintendent's Clerk.**

Fannie L. Sanborn.....Residence, 277 Laurel street.

Salary, \$600.

**Truant Officer.**

Curtis W. Davis.....Office, City Hall

Salary, \$1,200 and allowance for horsehire. Residence, 849 Chestnut street.

**Assessors.**

(Chapter 314, Laws of 1903.) Establishing a board of three assessors. Board elected by the common council in December, 1904, one member for two years, one member for four years, and one member for six years, from January 1, 1905. Thereafter biennially in the month of January, beginning in 1907, the common council shall elect one member for six years. Salary, \$1,500.

George A. Clark.\* Term expires January, 1911.

Joseph H. Geisel.† Term expires January, 1911.

Joseph O. Tremblay. Term expires January, 1915.

William P. Farmer. Term expires January, 1913.

George A. Clark }  
 Joseph O. Tremblay } chairman.....Office, City Hall

\* Resigned March 1, 1910.

† Elected March 1, 1910.

## CLERKS OF ASSESSORS.

Arthur W. Rowell.....Office, City Hall  
 Harry J. Briggs.....Office, City Hall

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 Inspectors of Checklists.

One in each ward chosen at the biennial election in November. Compensation, \$2.25 per day for each day actually employed. Office, City Hall. (Laws of 1878, chapter 163, sections 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, and City Ordinances, chapter 14, section 9.)

Ward 1. Karl A. Klaubert.  
 Ward 2. Charles B. Tucker.  
 Ward 3. Arthur W. Rowell.  
 Ward 4. Frank P. Collins.  
 Ward 5. Patrick V. Magan.  
 Ward 6. George A. Taylor.  
 Ward 7. Lyman H. Burbank.  
 Ward 8. Charles C. Tinkham.  
 Ward 9. Albert Beaudet.  
 Ward 10. Lawrence A. O'Connor.

Charles C. Tinkham, chairman.  
 Arthur W. Rowell, clerk.

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 Overseers of the Poor.

One in each ward, chosen at biennial election in November. The mayor is a member *ex officio*. Compensation, \$50 per annum, each; clerk of the board, \$125 per annum, determined by City Ordinances, chapter 14; section 18, as amended by Ordinances of August 5, 1890, and July 2, 1901. Meet third Wednesday of each month in City Hall building.

Ward 1. Michael Herbert, 2 Boyden street.  
 Ward 2. Daniel G. Andrews, 777 Union street.  
 Ward 3. Joseph L. Boudreau, 131 Orange street.  
 Ward 4. Charles B. Clarkson, 413 Manchester street.  
 Ward 5. Thomas F. Sheehan, 364 Beech street.  
 Ward 6. John L. Wentworth, 345 Belmont street.  
 Ward 7. William Marshall, 80 Amoskeag corporation.  
 Ward 8. Robert Werner, Jr., 140 Third street.  
 Ward 9. Adelard Lambert, 209 Putnam street.  
 Ward 10. Edward F. Tate, 77 South Elm street.

Eugene E. Reed, *ex officio*. Office, City Hall.  
 Thomas H. Stewart, clerk.



### Board of Health.

(City Ordinances, chapter 14, section 10, as amended. Laws of 1885, chapter 165; Laws of 1887, chapter 227; Public Statutes, chapters 108, 109, 110.) One member appointed by the mayor in January of each year, to hold office for a term of three years. Salary, \$200 each per annum. Office, Court House, West Merrimack, corner of Franklin street.

William K. Robbins. Term expires first Monday in February, 1913.

William J. Starr. Term expires first Monday in February, 1911.

Gustave Lafontaine. Term expires first Monday in February, 1912.

William B. Blake, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

John F. Looney, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

Joseph X. Duval, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

Carl O. Seaman, plumbing and milk inspector. Office, Court House, Merrimack, corner Franklin street.

M. Alma Fracker, office clerk.

William J. Starr, president.

William K. Robbins, clerk.

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### Fire Department.

The chief engineer and four assistant engineers are chosen biennially in the month of January, by a majority of the city councils in convention. The salary of the chief engineer is \$2,000 per annum; the assistant engineers, each \$275 per annum. They exercise the powers and perform the duties of firewards. The said engineers constitute the board of engineers, and elect a clerk whose compensation is \$75 a year. The annual compensation of the members of the several hook-and-ladder, hose, steam fire engine and chemical companies is as follows: Permanent captains, each \$1,000 per annum; permanent engineers, each \$975; other permanent men of companies, \$900; lieutenants, each \$185; clerks, each \$185; call engineers, each \$200; all other members, each \$175; payable in semiannual payments, on the first of January and July. (Laws of 1870, chapter 99. General Laws, chapter 106. City Ordinances, chapters 6 and 11.) Members and officers of each company are appointed by the board of engineers.

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### Chief Engineer.

Thomas W. Lane.....Office, Central Station, Vine street

Residence, 1937 Elm street. Telephone at house and office.

## ASSISTANT ENGINEERS.

Arthur Provost.

Edwin W. Merrill.

Thomas F. Fitzsimmons.

George H. Hammond.

Edwin W. Merrill, Clerk.

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**Trustees of City Library.**

(Law of 1854, chapter 1588. See contract with Manchester Athenaeum, printed on pages 107 and 108 of City Report for fiscal year ending January 31, 1855.) Board of seven trustees, one of whom is elected by aldermen and board of trustees in joint convention in September, annually. Term of service, seven years, no salary. Two additional trustees, mayor, and president of common council, *ex officio*.

Frank P. Carpenter, Elm, corner West North street. Term expires October 1, 1916.

Herman F. Straw, 607 Chestnut street. Term expires October 1, 1914.

Walter M. Parker, 1883 Elm street, corner of Webster. Term expires October 1, 1913.

Roger G. Sullivan, 168 Walnut street. Term expires October 1, 1912.

Henry W. Boutwell, 587 Union street. Term expires October 1, 1911.

William P. Farmer, Candia Road. Term expires October 1, 1917.

Edwin F. Jones, 15 High street. Term expires October 1, 1915.

Eugene E. Reed, *ex officio*.

James B. Fitch, *ex officio*.

Edwin F. Jones, clerk.

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**City Library.**

Franklin street, corner of Dean avenue. Open from 10 A. M. to 8 P. M. Saturdays to 9 P. M. Sundays, 11 A. M. to 5 P. M.

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**Librarian.**

F. Mabel Winchell, 593 Union street. Salary, \$1,000 annually. Elected by the trustees of library.

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**Board of Street and Park Commissioners.**

The board of aldermen, biennially, elect one member of said board for a term of six years. Not more than two members can be of the same political party. Said board, consisting of three members, has

full charge, management and control of the building, constructing, repairing, and maintaining of all the streets, highways, lanes, sidewalks, bridges, public sewers and drains, and public parks and commons. (See Laws of 1893, chapter 264.) Office, City Hall building. Open from 8 to 12 A. M., 2 to 5 P. M. Regular meeting of the board at 2 o'clock P. M. each day. Salary of each member, except chief engineer, \$600 per year, payable quarterly, and each is allowed \$150 annually for horsehire.

William McElroy, chairman. Term expires April, 1912.

Byron Worthen. Term expires April, 1914.

Samuel J. Lord, chief engineer, clerk. Term expires April, 1913.

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### City Weigher.

Gilbert Lyons. Office, city scales, Franklin street.

Elected biennially in board of aldermen. Salary, \$500 per annum; all fees for weighing returned monthly to city treasurer with sworn statement.

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### Sealer of Weights and Measures.

J. N. DesGroseilliers, 78 Woodland avenue.

Elected biennially in January by board of aldermen. Paid by fees. (Section 25, chapter 43, and chapter 125, Public Statutes.)

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### Trustees of Cemeteries.

(City Ordinances, chapter 39, sections 1, 2, 3, 4.) Two trustees elected by board of aldermen in January, annually, for the term of four years. Subtrustees appointed by board of trustees.

J. Adam Graf, 10 Middle street. Term expires 1913.

William H. Maxwell, 476 Front street. Term expires 1911.

Charles P. Porter, 585 Belmont street. Term expires 1913.

Charles F. Read, 48 Water street. Term expires 1913.

Frank C. Livingston, 321 Orange street. Term expires 1913.

Charles E. Stearns, 329 Front street. Term expires 1911.

Edwin F. Jones, 15 High street. Term expires 1912.

Harrie M. Young, 33 Dutton street. Term expires 1912.

Fred L. Allen, clerk and treasurer, 33 Walnut street.



**Subtrustees of Cemeteries.**

## VALLEY CEMETERY.

Alderman Fred O. Parnell, chairman; Alderman Hoitt, Messrs. Frank C. Livingston, Charles F. Read, and Charles P. Porter.

## PINE GROVE CEMETERY.

Alderman Andrew B. Bunton, chairman; Alderman MacDonald, Messrs. J. Adam Graf, Harrie M. Young, and Edwin F. Jones.

## AMOSKEAG CEMETERY.

Alderman Ernest W. Wiesner, chairman; Messrs. Charles E. Stearns and William H. Maxwell.

## SUPERINTENDENT OF PINE GROVE CEMETERY.

John Erskine. Office and residence at the cemetery.

## SUPERINTENDENT OF VALLEY CEMETERY.

Eugene C. Smith. Office at the cemetery; residence, 272 Mast street.

## SUPERINTENDENT OF AMOSKEAG CEMETERY.

George C. Harwood. Residence, Amoskeag.

## TRUSTEES OF CEMETERY FUND.

Norwin S. Bean. Term expires January, 1910.

Charles H. Anderson. Term expires January, 1915.

Eugene E. Reed, *ex officio*.

Fred L. Allen, treasurer.

**Inspector of Buildings.**

S. Andrew Sprague.....Office, City Hall

Residence, 525 Lake avenue. Appointed by board of mayor and aldermen, biennially, in February. Salary, \$1,350 per annum. (City Ordinances, chapter 15. Laws of 1883, chapter 94.)

**Inspector's Clerk.**

Park J. Stewart.....Inspector's Office, City Hall

**Inspectors of Oil.**

Harvey B. Sawyer, 149 Bowman street.  
 Martin Moll, 45 Barr street.

(Public Statutes, chapter 129, sections 25-34. City Ordinances, chapter 25.) Paid by fees,  $\frac{1}{4}$  of one percent per gallon.

**Board of Examiners of Plumbers.**

William K. Robbins, president. Term expires November 1, 1915.  
 Samuel J. Lord, clerk, *ex officio*.  
 Christian L. Wolf. Term expires November 1, 1911.

Appointed by the mayor.

**Sinking Fund Commissioners.**

William McElroy, chairman.  
 Fred L. Allen, clerk and treasurer.  
 Charles H. Manning.

**Moderators.**

Elected biennially. (General Laws, chapter 31, sections 3, 9; chapter 36, section 9; chapter 44, section 7. City Ordinances, page 18. See Public Statutes relating to towns and cities.)

Salary, \$15.00, payable at expiration of term.

Ward 1. Daniel McIntire.  
 Ward 2. George F. Millar.  
 Ward 3. George E. Prime.  
 Ward 4. Henry B. Fairbanks.  
 Ward 5. Martin E. Sullivan.  
 Ward 6. Harry L. Davis.  
 Ward 7. Herbert E. Richardson.  
 Ward 8. Robert E. McKean.  
 Ward 9. John Montplaisir.  
 Ward 10. John A. Kane.

**Ward Clerks.**

Elected biennially. (General Laws, chapter 44, sections 10, 12. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, \$20.00, payable at expiration of term.

|          |                      |
|----------|----------------------|
| Ward 1.  | Wilfred B. Lemay.    |
| Ward 2.  | Arthur L. Franks.    |
| Ward 3.  | George V. Roy.       |
| Ward 4.  | Henry A. Worthen.    |
| Ward 5.  | John J. Reddin.      |
| Ward 6.  | Charles H. Martel.   |
| Ward 7.  | Charles E. Bartlett. |
| Ward 8.  | James H. Brice.      |
| Ward 9.  | George J. Nault.     |
| Ward 10. | Almon O. Oviatt.     |

### Selectmen.

Elected biennially. (General Laws, chapter 1, section 27; chapter 12, section 6; chapter 40, sections 2, 3; chapter 109, section 27; chapter 213, section 1. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, \$15.00, payable at expiration of term.

|                     |                       |                     |
|---------------------|-----------------------|---------------------|
|                     | WARD 1.               |                     |
| Moise Dion.         | John F. Murphy.       | Axel G. Sunderlund. |
|                     | WARD 2.               |                     |
| Samuel W. Shepherd. | Arthur F. Williams.   | James R. Mason.     |
|                     | WARD 3.               |                     |
| Herman H. Lampron.  | William F. Bruton.    | Thorndike P. Heath. |
|                     | WARD 4.               |                     |
| Charles W. Hagland. | Adolphe N. Paul.      | Herman B. Neal.     |
|                     | WARD 5.               |                     |
| Philip Sullivan.    | Michael J. O'Brien.   | Frederick Martin.   |
|                     | WARD 6.               |                     |
| Alvin G. Bean.      | Arthur E. Desrosiers. | Thomas B. Craig.    |
|                     | WARD 7.               |                     |
| William E. Cowie.   | James M. Yuill.       | John F. Frost.      |
|                     | WARD 8.               |                     |
| Oliver M. Blood.    | Fred W. Hoffman.      | William R. Blakely. |
|                     | WARD 9.               |                     |
| Vacancy.            | William Broderick.    | John Brunner.       |
|                     | WARD 10.              |                     |
| Charles A. Childs.  | Norbert Lafond.       | John McCarthy.      |



REPORT OF THE CITY AUDITOR.



## REPORT OF THE CITY AUDITOR.

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*To the Board of Mayor and Aldermen:*

GENTLEMEN:—The auditor herewith submits to your honorable body his report, giving a tabular statement of the receipts and expenditures for the year 1910, and a detailed statement of the expenses of each appropriation during the year.

Respectfully,  
 JAMES E. DODGE,  
*City Auditor.*

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### REPORT OF THE CITY TREASURER FOR THE YEAR 1910.

|   | Dr.          |
|---|--------------|
| Temporary loans:                                    |              |
| Merrimack River Savings Bank.....                   | \$50,000.00  |
| Old Colony Trust Company.....                       | 100,000.00   |
| Bond & Goodwin.....                                 | 75,000.00    |
| Manchester Savings Bank.....                        | 50,000.00    |
|   | \$275,000.00 |
| Strafford Savings Bank:                             |              |
| Sale of 3½% Improvement bonds, Series E, at par.... | 100,000.00   |
| Trustees of Cemetery fund:                          |              |
| Sale of 3½% Cemetery bonds, at par.....             | 21,000.00    |
| Trustees of Sinking fund:                           |              |
| For payment of Water bonds maturing July 1, 1910..  | 100,000.00   |
| E. C. Smith, city clerk:                            |              |
| Dog licenses.....                                   | \$1,557.26   |
| Sewer licenses.....                                 | 2,202.80     |
| Rent of tenements.....                              | 386.96       |
| Show licenses.....                                  | 346.00       |
| Renovating licenses.....                            | 5.00         |
| Rent of city hall.....                              | 131.00       |
| Junk dealers' licenses.....                         | 210.00       |
| Lunch cart licenses.....                            | 20.00        |
| Job team and hacking licenses.....                  | 18.00        |
| Employment bureau.....                              | 35.00        |
| Rent of city farm.....                              | 1,020.00     |
| Oil tank licenses.....                              | .50          |



|   |            |            |
|---|------------|------------|
| Primary declarations.....                               | \$331.00   |            |
| Billiard, pool and bowling licenses.....                | 1,124.46   |            |
| Fees, intention of marriage.....                        | 775.00     |            |
| mortgages .....   | 171.52     |            |
| conditional sales .....                                 | 60.35      |            |
| corporations .....                                      | 34.50      |            |
| miscellaneous records.....                              | 88.35      |            |
| writs .....   | 31.20      |            |
| firms .....   | 8.25       |            |
| assignment of wages.....                                | 16.80      |            |
| discharges .....  | 35.50      |            |
|   |            | <hr/>      |
|   |            | \$8,609.45 |
| Police department:                                      |            |            |
| M. J. Healy, fines and costs.....                       | \$1,824.68 |            |
| John C. Bickford, fees.....                             | 946.06     |            |
| Thomas R. Varick, clerk, pawnbrokers'<br>licenses ..... | 500.00     |            |
|   |            | <hr/>      |
|   |            | 3,270.74   |
| Pine Grove cemetery: .                                  |            |            |
| John H. Erskine, superintendent.....                    | \$7,804.87 |            |
| Fred L. Allen, treasurer.....                           | 3,671.85   |            |
|   |            | <hr/>      |
|   |            | 11,476.72  |
| Merrill yard cemetery:                                  |            |            |
| John H. Erskine, superintendent.....                    |            | 57.00      |
| Valley cemetery:  |            |            |
| Eugene C. Smith, superintendent.....                    | \$1,875.25 |            |
| Fred L. Allen, treasurer, sale of paths....             | 28.50      |            |
|   |            | <hr/>      |
|   |            | 1,903.75   |
| Amoskeag cemetery:                                      |            |            |
| George P. Harwood, superintendent.....                  |            | 21.00      |
| Solon A. Carter, state treasurer:                       |            |            |
| Insurance tax.....                                      | \$3,819.38 |            |
| Railroad tax .....                                      | 50,424.27  |            |
| Savings bank tax.....                                   | 84,600.05  |            |
| Literary fund .....                                     | 3,921.12   |            |
|   |            | <hr/>      |
|   |            | 142,764.82 |
| New Hampshire state license commission:                 |            |            |
| Balance licenses, 1909.....                             | \$2,122.94 |            |
| Licenses, 1910.....                                     | 52,538.28  |            |
|   |            | <hr/>      |
|   |            | 54,661.22  |
| City scales:  |            |            |
| Gilbert Lyons .....                                     |            | 320.59     |
| Water-works department:                                 |            |            |
| Charles K. Walker, superintendent.....                  |            | 159,900.80 |
| Board of health:  |            |            |
| Milk licenses .....                                     | \$401.00   |            |
| Board of patients, Isolation hospital.....              | 242.22     |            |
|   |            | <hr/>      |
|   |            | 643.22     |

## Interest on Bank deposits:

|                                   |          |
|-----------------------------------|----------|
| Second National bank.....         | \$976.26 |
| First National bank.....          | 697.82   |
| George E. Morrill, collector..... | 455.70   |

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 \$2,129.78

## School department:

|   |            |
|---|------------|
| C. W. Bickford, superintendent, tuition.. | \$1,737.25 |
| H. L. Davis, clerk, free text-books.....  | 208.36     |

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 1,945.61

## Street and park commission:

|   |            |
|---|------------|
| Eastern Clay Goods Company.....         | \$4,467.63 |
| Manchester Street Railway.....          | 4,205.01   |
| People's Gas-light Company.....         | 927.48     |
| G. H. Wilson Company.....               | 259.90     |
| H. M. Poirier.....                      | 120.00     |
| Henry W. Parker.....                    | 573.75     |
| Manchester Traction, Light & Power Co.. | 15.59      |
| Lincoln Memorial association.....       | 312.90     |
| Indian Refining Company, overdraft..... | 268.11     |
| Miscellaneous .....                     | 395.59     |

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 11,545.96

## Miscellaneous receipts:

|   |        |
|---|--------|
| Jeremiah Hodge, overdraft.....                                  | \$8.04 |
| Mary A. Mara, overdraft.....                                    | 10.00  |
| Dennis Quinn, sale of typewriter, treasurer's office .....      | 25.00  |
| John B. Hall Co., sale of typewriter, city clerk's office ..... | 25.00  |
| The Cornelius Callahan Company.....                             | 5.00   |
| Thomas W. Lane.....   | 8.40   |
| Eugene E. Reed, sale of typewriter, mayor's office .....        | 25.00  |
| J. P. Chatel, balance due on taxes of 1909                      | 73.80  |
| Cavanaugh brothers.....   | 73.95  |
| Mrs. Emile Paquette, overdraft.....                             | 8.00   |
| Mrs. Roy, overdraft.....  | 7.00   |
| John H. Rice.....   | 22.47  |
| S. J. Lord, plumbers' licenses.....                             | 43.50  |
| S. J. Lord, horse sold, engineer's department .....             | 55.80  |
| S. J. Lord, engineering work, Second street,                    | 87.07  |
| S. J. Lord, blueprints for N. E. Tel. & Tel. Co. ....           | 27.85  |

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 505.88

## George E. Morrill, collector of taxes:

|                  |              |
|------------------|--------------|
| Taxes, 1910..... | \$728,016.03 |
| Taxes, 1909..... | 61,748.29    |

|  |                |                       |
|--|----------------|-----------------------|
| Redemption of land sold for taxes..... | \$2,424.20     |                       |
| Abatement of taxes, 1908 list.....     | 1.85           |                       |
| Abatement of taxes, 1909 list.....     | 446.09         |                       |
| Abatement of taxes, 1910 list.....     | 1,549.17       |                       |
| Land sold for taxes.....               | 4,089.86       |                       |
| Land sold for taxes, nonresident.....  | 202.66         |                       |
| Costs on taxes, 1909.....              | 866.20         |                       |
| Interest on taxes, 1909.....           | 1,767.26       |                       |
| Old taxes, 1903.....                   | 2.10           |                       |
| 1904.....                              | 1.95           |                       |
| 1905.....                              | 12.03          |                       |
| 1906.....                              | 27.31          |                       |
| 1907.....                              | 48.85          |                       |
| 1908.....                              | 178.19         |                       |
| Account of costs on taxes, 1910.....   | 1,165.60       |                       |
|  |                | \$802,547.64          |
| <hr/>                                  |                |                       |
| Receipts for the year.....             | \$1,698,304.18 |                       |
| Cash on hand January 1, 1910.....      | 116,436.86     |                       |
| Unpaid bills December 31, 1910.....    | 43,253.24      |                       |
|  |                | <u>\$1,857,994.28</u> |
|  |                | CR.                   |
| Total drafts for the year.....         | \$1,657,619.55 |                       |
| Unpaid bills January 1, 1910.....      | 30,839.85      |                       |
| Cash on hand December 31, 1910.....    | 169,534.88     |                       |
|  |                | <u>\$1,857,994.28</u> |

Respectfully submitted,

FRED L. ALLEN,  
*City Treasurer.*

*To the City Council of the City of Manchester:*

GENTLEMEN:—I have examined the accounts of Fred L. Allen, city treasurer, for the year ending December 31, 1910, and find proper vouchers for all payments and all receipts duly accounted for.

|   |                       |
|---|-----------------------|
| The net cash on hand January 1, 1910, was.....    | \$85,579.01           |
| Receipts during the year.....                     | 1,698,304.18          |
| Total .....                                       | <u>\$1,783,901.19</u> |
| Amount of drafts during the year.....             | \$1,657,619.55        |
| Net amount of cash on hand December 31, 1910..... | 126,281.64            |
| Total .....                                       | <u>\$1,783,901.19</u> |

Cash taken in December 31, 1910, I find to be as follows:

|  |              |
|--|--------------|
| Deposited in First National Bank, Manchester, N. H.... | \$136,744.57 |
| Deposited in Second National Bank, Boston, Mass.....   | 26,016.45    |
| Deposited in office safe.....                          | 6,773.86     |
|  | <hr/>        |
| Gross amount of cash on hand December 31, 1910..       | \$169,534.88 |
| Deduct amount of unpaid bills.....                     | 43,253.24    |
|  | <hr/>        |
| Net amount of cash on hand December 31, 1910.....      | \$126,281.64 |

JAMES E. DODGE,  
*City Auditor.*

**STATEMENT OF THE RECEIPTS AND EXPENDITURES  
OF THE CITY OF MANCHESTER FOR THE  
YEAR 1910.**

RECEIPTS.

CENTRAL DEPARTMENT.

Received from:

|                                 |              |              |
|---------------------------------|--------------|--------------|
| Direct city taxes.....          | \$797,563.78 |              |
| Cost and interest on taxes..... | 2,633.46     |              |
|                                 | <hr/>        | \$800,197.24 |
| Licenses to enter sewer.....    | \$2,202.80   |              |
| keep dog.....                   | 1,557.26     |              |
| sell milk.....                  | 401.00       |              |
| keep billiard and pool tables,  | 1,124.46     |              |
| lunch carts, etc.....           | 288.50       |              |
| shows and exhibitions.....      | 346.00       |              |
| Fees from city clerk.....       | 1,221.47     |              |
| Rents from city clerk.....      | 517.96       |              |
|                                 | <hr/>        | \$7,659.45   |

SUNDRIES.

Received from:

|                                  |          |            |
|----------------------------------|----------|------------|
| City scales.....                 | \$320.59 |            |
| Tuition and free text-books..... | 1,945.61 |            |
| Board of health.....             | 242.22   |            |
| Engineer's department.....       | 170.72   |            |
| Miscellaneous sources.....       | 179.82   |            |
|                                  | <hr/>    | \$2,858.96 |

POLICE DEPARTMENT.

Received from:

|                             |            |            |
|-----------------------------|------------|------------|
| Costs and fines .....       | \$2,770.74 |            |
| Pawnbrokers' licenses ..... | 500.00     |            |
|                             | <hr/>      | \$3,270.74 |



## REPORT OF THE CITY AUDITOR.

|  |                  |  |                       |
|--|------------------|--|-----------------------|
|  | PUBLIC PLACES.   |  |                       |
| Received from:   |                  |  |                       |
| Amoskeag cemetery .....  | \$21.00          |  |                       |
| Merrill cemetery .....   | 56.00            |  |                       |
| Valley cemetery .....  | 1,903.75         |  |                       |
| Pine Grove cemetery.....   | 11,476.72        |  |                       |
|  |                  |  | \$13,457.47           |
|  | WATER-WORKS.     |  |                       |
| Gross receipts .....   |                  |  | \$159,900.80          |
|  | CITY FARM.       |  |                       |
| Received for rent of city farm.....  |                  |  | \$1,020.00            |
|  | LIQUOR LICENSES. |  |                       |
| Received from state liquor commissioners for licenses..                      |                  |  | \$54,661.22           |
|  | MISCELLANEOUS.   |  |                       |
| Received from:   |                  |  |                       |
| Interest .....   | \$2,129.78       |  |                       |
| Land redeemed from tax sale.....   | 2,424.20         |  |                       |
| Street and park commission, sale of pipe,<br>stone, etc., and for labor..... | 11,277.85        |  |                       |
| Overdrafts .....   | 307.15           |  |                       |
| Plumbers' licenses.....  | 43.50            |  |                       |
| Primary election fees.....   | 331.00           |  |                       |
|  |                  |  | \$16,513.48           |
| Total ordinary receipts during the year 1910.....                            |                  |  | \$1,059,539.36        |
|  | DEBT.            |  |                       |
| Received from:   |                  |  |                       |
| Bonds sold.....  | \$121,000.00     |  |                       |
| Sinking fund trustees.....   | 100,000.00       |  |                       |
|  |                  |  | \$221,000.00          |
|  | TEMPORARY LOAN.  |  |                       |
| Received from loan in anticipation of tax of 1910.....                       |                  |  | \$275,000.00          |
|  | STATE.           |  |                       |
| Received from:   |                  |  |                       |
| Insurance taxes.....   | \$3,819.38       |  |                       |
| Railroad taxes.....  | 50,424.27        |  |                       |
| Savings bank taxes.....  | 84,600.05        |  |                       |
| Literary fund.....   | 3,921.12         |  |                       |
|  |                  |  | \$142,764.82          |
| Gross receipts .....   |                  |  | \$1,698,304.18        |
| Net cash on hand January 1, 1910.....  |                  |  | 85,597.01             |
|  |                  |  | <u>\$1,783,901.19</u> |

RECEIPTS AND EXPENDITURES.

29

EXPENDITURES.

CENTRAL DEPARTMENT.

|                              |             |             |
|------------------------------|-------------|-------------|
| Interest on water bonds..... | \$29,500.00 |             |
| city bonds.....              | 36,230.00   |             |
| cemetery bonds.....          | 2,500.00    |             |
| temporary loans.....         | 4,744.08    |             |
|                              |             | \$72,974.08 |
| City hall.....               | \$4,677.72  |             |
| Printing and stationery..... | 2,708.26    |             |
| Incidental expenses.....     | 6,329.50    |             |
| Mayor's incidentals.....     | 300.00      |             |
| City officers' salaries..... | 29,813.01   |             |
| Auditor's department.....    | 2,400.00    |             |
| Sinking fund trustees.....   | 26,000.00   |             |
| Assessors' department.....   | 9,729.61    |             |
| Land sold for taxes.....     | 4,292.52    |             |
|                              |             | \$86,250.62 |

STREET AND SEWER DEPARTMENT.

|  |            |              |
|--|------------|--------------|
| Street and park commission.....        | \$9,999.37 |              |
| Snow and ice and cleaning streets..... | 18,530.04  |              |
| Repairs of highways.....               | 26,362.38  |              |
| New highways.....                      | 67,182.38  |              |
| Sweeping streets.....                  | 7,949.77   |              |
| Watering streets.....                  | 9,980.66   |              |
| Paving streets.....                    | 9,937.63   |              |
| Macadamizing streets.....              | 6,702.14   |              |
| Grading for concrete.....              | 6,694.70   |              |
| Scavenger service.....                 | 24,116.01  |              |
| Lighting streets .....                 | 64,325.26  |              |
| Bridges .....                          | 2,409.88   |              |
| City teams.....                        | 18,629.09  |              |
| Repairs of sewers.....                 | 5,431.14   |              |
| New sewers.....                        | 44,667.73  |              |
| Brown-tail and gypsy moth.....         | 6,937.89   |              |
| City yard .....                        | 5,078.49   |              |
| Cutting and trimming trees.....        | 975.61     |              |
| Land taken for highways.....           | 1,900.00   |              |
|  |            | \$337,810.17 |

ENGINEER'S DEPARTMENT.

|                            |            |
|----------------------------|------------|
| Engineer's department..... | \$9,159.95 |
|----------------------------|------------|

HEALTH DEPARTMENT.

|                         |             |
|-------------------------|-------------|
| Health department ..... | \$16,044.24 |
|-------------------------|-------------|

## REPORT OF THE CITY AUDITOR.

## SCHOOL DEPARTMENT.

|   |            |              |
|---|------------|--------------|
| Repairs of schoolhouses.....            | \$9,966.45 |              |
| Fuel .....                              | 11,455.67  |              |
| Furniture and supplies.....             | 968.26     |              |
| Books and stationery.....               | 18.12      |              |
| Printing and advertising.....           | 517.33     |              |
| Contingent expenses.....                | 4,276.10   |              |
| Care of schoolrooms.....                | 10,588.42  |              |
| Evening schools.....                    | 1,814.69   |              |
| Evening school, mechanical drawing..... | 268.00     |              |
| Teachers' salaries.....                 | 118,254.60 |              |
| Free text-books.....                    | 7,185.99   |              |
| Manual training.....                    | 605.28     |              |
| Typewriters, high school.....           | 300.00     |              |
| Grading, Highland school.....           | 200.00     |              |
| Grading, Youngsville school.....        | 695.04     |              |
| Curbing and walk, Varney school.....    | 749.33     |              |
|   |            | <hr/>        |
|   |            | \$167,863.28 |

## CITY LIBRARY.

|                    |            |
|--------------------|------------|
| City library ..... | \$8,999.69 |
|--------------------|------------|

## FIRE DEPARTMENT.

|                            |              |              |
|----------------------------|--------------|--------------|
| Fire department.....       | \$103,591.13 |              |
| Fire-alarm telegraph ..... | 3,727.75     |              |
| Hydrant service.....       | 22,025.00    |              |
|                            |              | <hr/>        |
|                            |              | \$129,343.83 |

## POLICE DEPARTMENT.

|                        |            |             |
|------------------------|------------|-------------|
| Police station.....    | \$2,636.90 |             |
| Police court.....      | 2,865.92   |             |
| Police commission..... | 65,561.29  |             |
|                        |            | <hr/>       |
|                        |            | \$71,064.11 |

## PUBLIC BUILDINGS.

|                                     |             |             |
|-------------------------------------|-------------|-------------|
| Repairs of buildings.....           | \$10,988.77 |             |
| Repairs to Bakersville school.....  | 7,592.00    |             |
| Repairs to Rimmon school.....       | 7,395.16    |             |
| Board of examiners of plumbers..... | 33.54       |             |
|                                     |             | <hr/>       |
|                                     |             | \$26,009.47 |

## WATER-WORKS.

|                               |             |              |
|-------------------------------|-------------|--------------|
| Water-works .....             | \$84,896.78 |              |
| Water-works sinking fund..... | 27,025.00   |              |
|                               |             | <hr/>        |
|                               |             | \$111,921.78 |

RECEIPTS AND EXPENDITURES.

31

PUBLIC PLACES.

|                                |            |             |
|--------------------------------|------------|-------------|
| Commons .....                  | \$4,426.55 |             |
| Stark park.....                | 1,022.77   |             |
| Derryfield park.....           | 998.11     |             |
| Lafayette park.....            | 7,786.42   |             |
| Miscellaneous playgrounds..... | 476.51     |             |
| Playground, ward eight.....    | 134.80     |             |
| Merrill cemetery.....          | 96.99      |             |
| Amoskeag cemetery.....         | 670.42     |             |
| Valley cemetery.....           | 5,290.16   |             |
| Pine Grove cemetery.....       | 39,081.75  |             |
|                                |            | <hr/>       |
|                                |            | \$59,984.48 |

CHARITABLE, PATRIOTIC, AND PHILANTHROPIC.

|  |             |             |
|--|-------------|-------------|
| Paupers off farm.....                  | \$17,955.19 |             |
| Indigent soldiers.....                 | 280.62      |             |
| Women's Aid Home.....                  | 300.00      |             |
| Elliot hospital.....                   | 300.00      |             |
| Notre Dame de Lourdes hospital.....    | 300.00      |             |
| Sacred Heart hospital.....             | 300.00      |             |
| W. C. T. U. Mercy Home.....            | 300.00      |             |
| Infant asylum.....                     | 300.00      |             |
| St. Joseph's orphanage.....            | 300.00      |             |
| Hospice St. Vincent de Paul.....       | 300.00      |             |
| Orphanut St. Pierre.....               | 300.00      |             |
| Decoration of soldiers' graves.....    | 499.90      |             |
| Militia .....                          | 1,050.00    |             |
| Band concerts .....                    | 400.00      |             |
| Animal Rescue League.....              | 300.00      |             |
| Boys' club.....                        | 200.00      |             |
| St. John's Home.....                   | 300.00      |             |
| Young Men's Christian association..... | 300.00      |             |
| St. Patrick's Girls' home.....         | 300.00      |             |
| West Side Reading room.....            | 100.00      |             |
| Granite base for Lincoln's statue..... | 2,163.79    |             |
|  |             | <hr/>       |
|  |             | \$26,549.50 |

ABATEMENTS.

|   |                |       |
|---|----------------|-------|
| Abatement of taxes.....                       | \$2,000.00     |       |
|   |                | <hr/> |
| Total of ordinary municipal expenditures..... | \$1,125,975.25 |       |

TEMPORARY LOAN.

|                     |              |  |
|---------------------|--------------|--|
| Temporary loan..... | \$275,000.00 |  |
|---------------------|--------------|--|



## REPORT OF THE CITY AUDITOR.

## BONDED DEBT.

|                   |             |                     |
|-------------------|-------------|---------------------|
| School bonds..... | \$10,000.00 |                     |
| Water bonds.....  | 100,000.00  |                     |
|                   |             | <u>\$110,000.00</u> |

## STATE AND COUNTY TAXES.

|                 |             |                     |
|-----------------|-------------|---------------------|
| State tax.....  | \$93,720.00 |                     |
| County tax..... | 52,924.30   |                     |
|                 |             | <u>\$146,644.30</u> |

|  |              |                              |
|--|--------------|------------------------------|
| Grand total of expenditures during the year..... |              | \$1,657,619.55               |
| Cash on hand December 31, 1910.....              | \$169,534.88 |                              |
| Less unpaid bills.....                           | 43,253.24    |                              |
|  |              | <u>126,281.64</u>            |
|  |              | <u><u>\$1,783,901.19</u></u> |

## Interest.

|  |             |                    |
|--|-------------|--------------------|
| Appropriation .....                      | \$45,500.00 |                    |
| Transferred from water-works account.... | 29,500.00   |                    |
|  |             | <u>\$75,000.00</u> |

## EXPENDITURES.

|   |            |                           |
|---|------------|---------------------------|
| Coupons on bridge bonds.....                          | \$2,400.00 |                           |
| cemetery bonds.....                                   | 2,500.00   |                           |
| city bonds .....                                      | 200.00     |                           |
| city funding bonds.....                               | 1,732.50   |                           |
| city loan bonds.....                                  | 1,767.50   |                           |
| improvement bonds .....                               | 17,810.00  |                           |
| municipal bonds .....                                 | 2,800.00   |                           |
| refunding loan bonds.....                             | 5,500.00   |                           |
| school bonds .....                                    | 4,020.00   |                           |
| water bonds .....                                     | 29,500.00  |                           |
|   |            | <u>\$68,230.00</u>        |
| Bond & Goodwin, discount on notes.....                | \$1,102.03 |                           |
| Manchester Savings Bank, discount on notes            | 520.31     |                           |
| Merrimack River Savings Bank, discount on notes ..... | 1,293.05   |                           |
| Old Colony Trust Co., discount on notes....           | 1,828.69   |                           |
|   |            | <u>4,744.08</u>           |
| Total expenditures .....                              |            | \$72,974.08               |
| Transferred to unappropriated money.....              |            | 2,025.92                  |
|   |            | <u><u>\$75,000.00</u></u> |

## Payment of Funded Debt.

|   |             |                     |
|---|-------------|---------------------|
| Appropriation .....                       | \$10,000.00 |                     |
| Received from water-works sinking fund... | 100,000.00  |                     |
|   |             | <u>\$110,000.00</u> |

## EXPENDITURES.

|                    |             |                     |
|--------------------|-------------|---------------------|
| School bonds ..... | \$10,000.00 |                     |
| Water-bonds .....  | 100,000.00  |                     |
|                    |             | <u>\$110,000.00</u> |

## Sinking Fund.

|                     |             |  |
|---------------------|-------------|--|
| Appropriation ..... | \$26,000.00 |  |
|---------------------|-------------|--|

## EXPENDITURES.

|                               |             |  |
|-------------------------------|-------------|--|
| Trustees of sinking fund..... | \$26,000.00 |  |
|-------------------------------|-------------|--|

## Unappropriated Money.

## RECEIPTS.

Transferred from the following accounts:

|                                 |            |
|---------------------------------|------------|
| Interest .....                  | \$2,025.92 |
| Printing and stationery.....    | 91.74      |
| Incidental expenses .....       | 1,670.50   |
| City officers' salaries.....    | 186.99     |
| Assessors' department.....      | 120.39     |
| Street and park commission..... | .63        |
| Repairs of highways.....        | 3,637.62   |
| Street sweeping .....           | 2,050.23   |
| Watering streets .....          | 19.34      |
| Paving streets .....            | 62.37      |
| Macadamizing streets .....      | 3,297.86   |
| Scavenger service .....         | 5,883.99   |
| Bridges .....                   | 5,590.12   |
| Cutting and trimming trees..... | 24.39      |
| City yard .....                 | 921.51     |
| Brown-tail and gypsy moth.....  | 142.65     |
| Commons .....                   | 73.45      |
| Derryfield park .....           | 17.39      |
| Land taken for highways.....    | 100.00     |

|  |                    |
|--|--------------------|
| Lighting streets.....                    | \$174.74           |
| Health department .....                  | 3,955.76           |
| City library .....                       | .31                |
| Fire department .....                    | 483.87             |
| Fire-alarm telegraph .....               | 272.25             |
| Police commission .....                  | 2,438.71           |
| Police station .....                     | 363.10             |
| Police court .....                       | 34.08              |
| Repairs of buildings.....                | 11.23              |
| Pine Grove cemetery.....                 | 20.25              |
| Valley cemetery .....                    | 9.84               |
| Amoskeag cemetery .....                  | 29.58              |
| Merrill cemetery .....                   | 3.01               |
| Repairs of schoolhouses.....             | 33.55              |
| Books and stationery.....                | 31.88              |
| Fuel .....                               | 544.33             |
| Furniture and supplies.....              | 531.74             |
| Evening school, mechanical drawing.....  | 32.00              |
| Teachers' salaries .....                 | 1,745.40           |
| Curbing and walk around Varney school..  | .67                |
| Repairs to Rimmon school.....            | 104.84             |
| Grading Youngsville school lot.....      | 4.96               |
| Paupers off farm.....                    | 544.81             |
| Indigent soldiers .....                  | 19.38              |
| Decoration of soldiers' graves.....      | .10                |
| Land sold for taxes.....                 | 207.48             |
| Board of examiners of plumbers.....      | 16.46              |
| Centennial of the name of Manchester.... | 2,000.00           |
| Granite base for Lincoln statue.....     | 336.21             |
| Engineer's department .....              | 10.77              |
|  | <hr/>              |
|  | <u>\$39,878.40</u> |

## EXPENDITURES.

Transferred to the following accounts:

|  |          |
|--|----------|
| City hall .....                        | \$477.72 |
| Snow and ice and cleaning streets..... | 530.04   |
| New highways.....                      | 8,952.01 |
| Grading for concrete.....              | 4,654.70 |
| City teams .....                       | 6,249.19 |
| Repairs of sewers.....                 | 71.89    |
| New sewers .....                       | 200.10   |
| Lafayette park .....                   | 786.42   |
| Miscellaneous playgrounds .....        | 176.51   |
| Playground, ward eight.....            | 34.80    |
| Printing and advertising.....          | 17.33    |
| Care of rooms.....                     | 88.42    |

|                                    |           |                    |
|------------------------------------|-----------|--------------------|
| Contingent expenses .....          | \$776.10  |                    |
| Free text-books.....               | 185.99    |                    |
| Manual training .....              | 5.28      |                    |
| Evening schools .....              | 14.69     |                    |
| Repairs to Bakersville school..... | 92.00     |                    |
| Free cash in treasury.....         | 16,565.21 |                    |
|                                    |           | <u>\$39,878.40</u> |

### Temporary Loan.

#### RECEIPTS.

|                                   |             |                     |
|-----------------------------------|-------------|---------------------|
| Bond & Goodwin.....               | \$75,000.00 |                     |
| Manchester Savings Bank.....      | 50,000.00   |                     |
| Merrimack River Savings Bank..... | 50,000.00   |                     |
| Old Colony Trust Co.....          | 100,000.00  |                     |
|                                   |             | <u>\$275,000.00</u> |

#### EXPENDITURES.

|                                   |             |                     |
|-----------------------------------|-------------|---------------------|
| Bond & Goodwin.....               | \$75,000.00 |                     |
| Manchester Savings Bank.....      | 50,000.00   |                     |
| Merrimack River Savings Bank..... | 50,000.00   |                     |
| Old Colony Trust Co.....          | 100,000.00  |                     |
|                                   |             | <u>\$275,000.00</u> |

### City Hall.

|  |            |                   |
|--|------------|-------------------|
| Appropriation .....                      | \$4,200.00 |                   |
| Transferred from unappropriated money... | 477.72     |                   |
|  |            | <u>\$4,677.72</u> |

#### EXPENDITURES.

#### FUEL, LIGHTS, TELEPHONE, WATER.

|  |          |                   |
|--|----------|-------------------|
| Manchester Traction, Light & Power Co.,<br>electric lights ..... | \$658.50 |                   |
| Moore & Preston Coal Co., coal.....                              | 505.26   |                   |
| New England Telephone & Telegraph Co.,<br>tolls .....            | 9.00     |                   |
| People's Gas-light Co., gas.....                                 | 245.85   |                   |
| Water commissioners, use of water.....                           | 521.60   |                   |
|  |          | <u>\$1,940.21</u> |



## CLEANING OFFICES, ETC.

|   |            |
|---|------------|
| Daniels-Cornell Co., brooms, soap, etc.....                         | \$13.25    |
| H. I. Dallman & Co., "Dustoline".....                               | 3.50       |
| L. M. Folsom, gauze and towels.....                                 | 9.34       |
| John B. Hall Co., soap.....   | 2.88       |
| Manchester Hardware Co., wringer, mops,<br>brushes, pails, etc..... | 17.25      |
| Manchester Tea Co., matches.....                                    | 2.00       |
| Sarah Minton, cleaning.....   | 375.00     |
| Office Toilet Supply Co., toilet service.....                       | 13.00      |
| Joseph Ricard, janitor.....   | 352.50     |
| Charles Robitaille, janitor.....                                    | 871.21     |
| Timothy Sullivan, janitor public comfort..                          | 540.00     |
| John B. Varick Co., thermometer.....                                | .50        |
| West Disinfecting Co., "Euchrelyptum".....                          | 65.00      |
|   | <hr/>      |
|   | \$2,265.43 |

## FURNITURE AND SUPPLIES.

|   |          |
|---|----------|
| The Barton Co., awnings, and hanging and<br>taking down same..... | \$107.01 |
| Maria P. Barker, 1 bookcase.....                                  | 25.00    |
| Peter Harris & Son, keys.....                                     | 1.40     |
| C. A. Hoitt Co., 1 rug.....                                       | 3.00     |
| Manchester Hardware Co., flag, wire cloth,<br>glue, hose .....    | 18.40    |
| Manchester Traction, Light & Power Co.,<br>lamps .....            | 24.40    |
|   | <hr/>    |
|   | \$179.21 |

## INCIDENTAL REPAIRS.

|  |         |
|--|---------|
| W. L. Aller & Co., caning chair.....                       | \$2.30  |
| C. W. Anderson & Co., repairing clock.....                 | 2.00    |
| The Barton Co., repairing flag.....                        | .25     |
| E. M. Bryant & Co., repairing electric bells,<br>etc. .... | 1.70    |
| C. DeMoulied & Co., repairing chair.....                   | 1.25    |
| A. L. Franks & Co., cleaning fan.....                      | 1.75    |
| Farrell Brothers, batteries, and repairs....               | 2.00    |
| Peter Harris & Son, repairs.....                           | 3.65    |
| J. J. Moreau & Son, screen cloth, and labor,               | 2.00    |
| George Pearson, repairing clock.....                       | .75     |
| Pike & Heald Co., repairing awning frames,<br>etc. ....    | 2.06    |
| John H. Stevens, steam gauge.....                          | 2.50    |
| C. A. Trefethen, cleaning clock.....                       | 1.50    |
|  | <hr/>   |
|  | \$23.71 |

INSURANCE PREMIUMS.

|                                      |         |                 |
|--------------------------------------|---------|-----------------|
| Wm. G. Berry.....                    | \$26.75 |                 |
| George Blanchet.....                 | 13.38   |                 |
| Clough & Parker.....                 | 13.38   |                 |
| Dockham & Thorpe.....                | 44.58   |                 |
| John A. Sheehan.....                 | 89.18   |                 |
| Fred R. Stark.....                   | 31.81   |                 |
| G. A. Vermille Insurance Agency..... | 44.58   |                 |
|                                      |         | <u>\$263.66</u> |

SUNDRIES.

|                                       |        |               |
|---------------------------------------|--------|---------------|
| C. B. Clarkson, weighing coal.....    | \$5.00 |               |
| J. G. Jones, freight and cartage..... | .50    |               |
|                                       |        | <u>\$5.50</u> |

Total expenditures ..... \$4,677.72

Printing and Stationery.

Appropriation ..... \$2,800.00

EXPENDITURES.

TAX COLLECTOR.

|   |        |                 |
|---|--------|-----------------|
| D. Cassis, Greek circulars.....                                     | \$3.25 |                 |
| E. H. Chadbourne, stamps.....                                       | 240.00 |                 |
| John B. Clarke Co., printing bills, notices,<br>warrants, etc. .... | 92.00  |                 |
| Advertising notice .....  | 26.25  |                 |
| J. Arthur Williams, envelopes.....                                  | 4.25   |                 |
|   |        | <u>\$365.75</u> |

CITY CLERK.

|   |         |                |
|---|---------|----------------|
| John B. Clarke Co., printing blanks.....                | \$30.75 |                |
| Albert Ruemely, printing blanks, booklets,<br>etc. .... | 36.75   |                |
| J. Arthur Williams, printing blanks.....                | 4.00    |                |
|   |         | <u>\$71.50</u> |

CITY TREASURER.

|  |         |
|--|---------|
| E. H. Chadbourne, stamps.....                | \$35.00 |
| E. H. Clough, envelopes, stamps, postals.... | 61.84   |
| John B. Clarke Co., printing noteheads.....  | 2.00    |

## REPORT OF THE CITY AUDITOR.

|  |            |                          |
|--|------------|--------------------------|
| W. P. Goodman, stationery.....                                       | \$2.25     |                          |
| Stewart, Warren & Co., lithographing and engraving, etc.....         | 22.00      |                          |
|  |            | <u>\$123.09</u>          |
| MAYOR.   |            |                          |
| W. P. Goodman, stationery.....                                       | \$12.00    |                          |
| Temple & Farrington Co., letterheads.....                            | 4.50       |                          |
|  |            | <u>\$16.50</u>           |
| CITY AUDITOR.  |            |                          |
| John B. Clarke Co., printing 500 city reports                        | \$1,312.14 |                          |
| Melvin & Fitts, ledger cover and ruled sheets .....                  | 28.58      |                          |
| Temple & Farrington Co., binding city reports .....                  | 128.75     |                          |
| J. Arthur Williams, printing postals.....                            | 2.50       |                          |
|  |            | <u>\$1,471.97</u>        |
| CITY WEIGHER.  |            |                          |
| W. P. Goodman, stationery.....                                       |            | \$1.00                   |
| BUILDING INSPECTOR.  |            |                          |
| Ruemely Press, printing circulars, letterheads, blanks, etc. ....    |            | \$40.00                  |
| CITY COUNCILS AND COMMITTEES.  |            |                          |
| John B. Clarke C., printing ballots, check-lists, and additions..... | \$511.50   |                          |
| Ruemely Press, printing postals and appropriation sheets .....       | 50.25      |                          |
| E. A. Stratton Co., stationery and printing..                        | 56.70      |                          |
|  |            | <u>\$618.45</u>          |
| Total expenditures.....  |            | \$2,708.26               |
| Transferred to unappropriated money.....                             |            | 91.74                    |
|  |            | <u><u>\$2,800.00</u></u> |

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**Incidental Expenses.**

|                     |                          |
|---------------------|--------------------------|
| Appropriation ..... | <u><u>\$8,000.00</u></u> |
|---------------------|--------------------------|

## EXPENDITURES.

## BIRTHS AND DEATHS.

|                               |        |
|-------------------------------|--------|
| M. P. Badger, M. D.....       | \$1.25 |
| George L. Bastian, M. D.....  | 3.50   |
| H. W. N. Bennett, M. D.....   | .50    |
| W. L. Biron, M. D.....        | 63.25  |
| H. T. Boutwell, M. D.....     | .25    |
| H. W. Boutwell, M. D.....     | 2.50   |
| B. W. Baker.....              | .25    |
| A. A. E. Brien, M. D.....     | 1.00   |
| Lillian G. Bullock, M. D..... | 2.75   |
| I. L. Carpenter, M. D.....    | 3.50   |
| H. D. W. Carvelle, M. D.....  | .25    |
| Charles Chirurg, M. D.....    | 4.75   |
| Herman Christophe, M. D.....  | 12.00  |
| Clarence O. Coburn, M. D..... | 8.00   |
| J. M. Collity, M. D.....      | 9.25   |
| P. W. F. Corning, M. D.....   | 3.00   |
| Walter T. Crosby, M. D.....   | 6.75   |
| Charles L. Curtiss, M. D..... | 7.00   |
| E. H. Currier, M. D.....      | 2.25   |
| George M. Davis, M. D.....    | 19.00  |
| Mary Danforth, M. D.....      | 6.75   |
| R. H. Dillon, M. D.....       | 4.50   |
| Eugene B. Dunbar, M. D.....   | 13.25  |
| Antonina Dyba .....           | .25    |
| John D. Ferguson, M. D.....   | 3.25   |
| George V. Fiske, M. D.....    | 3.25   |
| C. F. Flanders, M. D.....     | 27.50  |
| C. A. Folsom, M. D.....       | 10.50  |
| George S. Foster, M. D.....   | 3.25   |
| E. N. Fugere, M. D.....       | 38.00  |
| John H. Gleason, M. D.....    | 4.00   |
| Moise Guerin, M. D.....       | 19.25  |
| Noel E. Guillet, M. D.....    | 1.00   |
| George B. Hoitt, M. D.....    | 6.00   |
| John F. Holmes, M. D.....     | .50    |
| Ezra A. Jones, M. D.....      | 4.50   |
| M. E. Kean, M. D.....         | 8.50   |
| J. A. Lacasse, M. D.....      | 60.50  |
| Susan Laflamme .....          | 24.50  |
| Gustave Lafontaine, M. D..... | 23.25  |
| J. E. A. Lanouette, M. D..... | 55.25  |
| J. E. Larochelle, M. D.....   | 53.25  |
| Z. A. Lavoie, M. D.....       | 60.00  |



|                              |        |
|------------------------------|--------|
| J. E. Lemaitre, M. D.....    | \$3.00 |
| J. D. Lemay, M. D.....       | 8.50   |
| Wm. H. Lyons, M. D.....      | 20.25  |
| A. A. Macleay, M. D.....     | .25    |
| A. S. Mangurian, M. D.....   | 2.50   |
| C. W. Milliken, M. D.....    | 9.50   |
| J. W. D. McDonald, M. D..... | 3.25   |
| John T. Murray, M. D.....    | 3.75   |
| G. B. Morey, M. D.....       | 1.75   |
| H. W. Newell, M. D.....      | 4.00   |
| D. C. Norton, M. D.....      | .25    |
| John C. O'Connor, M. D.....  | 14.00  |
| Clara Odman .....            | 4.50   |
| D. W. Parker, M. D.....      | 3.25   |
| W. M. Parsons, M. D.....     | 2.00   |
| W. H. Pattee, M. D.....      | 4.00   |
| J. R. Pepin, M. D.....       | 10.25  |
| Frederick Perkins, M. D..... | 1.75   |
| J. F. Pherson, M. D.....     | 4.00   |
| Anna Pollmer .....           | 4.00   |
| Wm. Richardson, M. D.....    | 2.00   |
| J. F. Robinson, M. D.....    | 3.50   |
| F. N. Rogers, M. D.....      | 5.25   |
| J. E. E. Roy, M. D.....      | 23.00  |
| Henry L. Stickney, M. D..... | 4.50   |
| A. Gale Straw, M. D.....     | 4.00   |
| Zatae L. Straw, M. D.....    | 11.00  |
| C. A. Sturtevant, M. D.....  | 12.25  |
| C. B. Sturtevant, M. D.....  | 2.50   |
| James Sullivan, M. D.....    | 4.00   |
| Emil Sylvain, M. D.....      | 16.50  |
| Joseph Taylor, M. D.....     | 15.50  |
| W. A. Thompson, M. D.....    | 10.75  |
| A. J. Todd, M. D.....        | 1.25   |
| George D. Towne, M. D.....   | 1.00   |
| E. C. Tremblay, M. D.....    | 5.25   |
| G. B. Underwood, M. D.....   | .75    |
| Ellen A. Wallace, M. D.....  | 1.00   |
| George M. Watson, M. D.....  | 28.00  |
| Maurice Watson, M. D.....    | 2.25   |
| N. B. Webber, M. D.....      | 4.50   |
| R. W. Weeks, M. D.....       | 6.75   |
| A. F. Wheat, M. D.....       | 4.00   |
| George C. Wilkins, M. D..... | 7.00   |

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 \$863.25

## MARRIAGES.

|                             |        |
|-----------------------------|--------|
| Rev. H. E. Allen.....       | \$0.50 |
| Rev. C. R. Bailey.....      | 1.00   |
| Rev. James A. Beebe.....    | 6.00   |
| Rev. J. H. Brennan.....     | 13.50  |
| Rev. Thomas Chalmers.....   | 2.00   |
| Rev. J. A. Chevalier.....   | 16.50  |
| Rev. N. L. Colby.....       | 17.00  |
| Rev. C. L. Corliss.....     | 2.75   |
| Rev. Matthew Creamer.....   | .50    |
| Rev. I. H. C. Davignon..... | 13.25  |
| Rev. L. J. A. Doucet.....   | 5.25   |
| Rev. J. E. A. Evert.....    | 3.50   |
| I. E. and W. H. Forbes..... | 3.25   |
| Rev. David Fraser.....      | 2.50   |
| Rev. Charles Frost.....     | .25    |
| Rev. G. A. Hathaway.....    | 1.25   |
| Rev. G. R. Hazard.....      | 1.75   |
| Rev. Burton L. Hess.....    | .50    |
| Rev. Pierre Hevey.....      | 12.00  |
| R. L. Jones.....            | .25    |
| Rev. John Kamm.....         | 1.50   |
| Carroll S. King.....        | 1.00   |
| J. Koplowitz.....           | .25    |
| Jacob Krull .....           | .50    |
| Rev. J. B. Lemon.....       | 2.25   |
| Rev. Adolphus Linfield..... | .50    |
| Rev. B. W. Lockhart.....    | 2.25   |
| Rev. J. J. Lyons.....       | 7.50   |
| Rev. F. X. Lyons.....       | 1.50   |
| Rev. J. W. MacCallum.....   | .25    |
| Rev. E. J. Palisoul.....    | .75    |
| Rev. F. Pebler.....         | .25    |
| Rev. J. B. Puchala.....     | 15.00  |
| Rev. E. E. Reynolds.....    | .75    |
| Rev. Samuel Russell.....    | 8.25   |
| Herman Rodelsperger.....    | 2.25   |
| Rev. P. E. Sandberg.....    | .25    |
| Rev. P. Schachter.....      | .50    |
| Rev. John C. Smith.....     | .25    |
| Rev. George Steinert.....   | .75    |
| Michael Struminsky .....    | .25    |
| Leo Tyllo .....             | 1.00   |
| Rev. A. F. Walch.....       | 1.50   |
| Rev. Florian Widman.....    | 5.25   |

## REPORT OF THE CITY AUDITOR.

|                        |        |                 |
|------------------------|--------|-----------------|
| John E. Wildey.....    | \$0.25 |                 |
| Rev. Leo Wolansky..... | 1.50   |                 |
|                        |        | <u>\$159.75</u> |

## DAMAGES AND JUDGMENTS.

|                                     |         |                 |
|-------------------------------------|---------|-----------------|
| W. H. Boyd.....                     | \$15.00 |                 |
| Eugene Jobin .....                  | 2.40    |                 |
| Karl A. Klaubert.....               | 35.00   |                 |
| James R. Leach.....                 | 120.00  |                 |
| Joseph Lebrun .....                 | 10.00   |                 |
| Charles H. Martin.....              | 13.00   |                 |
| Robie Consolidated Concrete Co..... | 140.91  |                 |
|                                     |         | <u>\$336.31</u> |

## LEGAL SERVICES.

|                        |         |                 |
|------------------------|---------|-----------------|
| W. A. Burgess.....     | \$50.00 |                 |
| Dudley & Sawyer.....   | 5.00    |                 |
| A. J. Edgerly.....     | 25.00   |                 |
| Charles J. Hadley..... | 50.00   |                 |
| Charles C. Hayes.....  | 50.00   |                 |
| Calvin Wood .....      | 13.80   |                 |
|                        |         | <u>\$193.80</u> |

## CITY COUNCILS AND COMMITTEES.

|  |          |                 |
|--|----------|-----------------|
| John B. Clarke Co., advertising ordinances,  | \$297.98 |                 |
| Ferdinand Farley, reporting mayoralty hearing, and transcript of same.....   | 35.00    |                 |
| Manchester Union Co., advertising ordinances .....   | 261.30   |                 |
| New England Telephone & Telegraph Co., tolls, city messenger.....  | 1.42     |                 |
| H. P. Rollins, multigraphing resolutions....   | 6.75     |                 |
| Harry W. Spaulding, postals and postage...   | 4.00     |                 |
| Edward C. Smith, expenses to Concord, N. H., of special committee on petition of George F. Sheehan, praying to be seated as alderman from ward five..... | 20.00    |                 |
| Expenses of board of mayor and aldermen to Concord, N. H., on petition of James Sullivan, praying to be given certificate of election as mayor.....      | 60.92    |                 |
| Temple & Farrington Co., 1 book.....   | 9.00     |                 |
|  |          | <u>\$696.37</u> |

INCIDENTAL EXPENSES.

TEAMS FOR COUNCIL AND COMMITTEES.

|                                   |         |
|-----------------------------------|---------|
| Bridge-street Auto Garage Co..... | \$15.00 |
| Lester W. Brooks.....             | 10.00   |
| E. L. Bohan.....                  | 5.00    |
| P. Campbell.....                  | 5.00    |
| Fitz-Dillingham Co. ....          | 5.00    |
| W. J. Freeman.....                | 20.00   |
| Hadlock's garage.....             | 35.00   |
| W. Y. Hadlock.....                | 20.00   |
| W. H. Lamoureux.....              | 5.00    |
| James W. Richards.....            | 5.00    |
| H. A. Russell.....                | 5.00    |
| W. C. Spear.....                  | 20.00   |
| Louis Vogel.....                  | 20.00   |

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\$170.00

CITY SCALES.

|   |        |
|---|--------|
| Amoskeag Manufacturing Co., forging and labor ..... | \$6.25 |
| L. B. Bodwell & Co., coal.....                      | 15.00  |
| T. J. Briggs, grate, crossbar, etc.....             | 4.15   |
| F. E. Marsh, 1 dry measure gauge.....               | 1.50   |
| E. W. Poore, wood.....                              | 5.00   |
| Temple & Farrington Co., 20 books.....              | 6.25   |

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\$38.15

MAYOR.

|   |        |
|---|--------|
| American Ribbon & Carbon Co., carbon paper .....                    | \$7.00 |
| W. P. Goodman, stationery, diaries.....                             | 15.65  |
| W. P. Goodman, directories.....                                     | 94.50  |
| Thomas Nelson & Sons, 1 set L. L. Encyclopaedia, less discount..... | 67.50  |
| Temple & Farrington Co., registers, envelopes, and cover.....       | 7.75   |

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\$192.40

TAX COLLECTOR.

|  |         |
|--|---------|
| E. H. Chadbourne, stamps and stamped envelopes .....         | \$88.88 |
| E. H. Clough, stamped envelopes.....                         | 42.88   |
| John B. Clarke Co., binding book.....                        | 2.00    |
| W. P. Goodman, stationery.....                               | 6.35    |
| Independent Statesman, advertising nonresident taxlist ..... | 8.25    |
| A. E. Martell Co., letter book.....                          | 4.50    |
| Melvin & Fitts, book and stationery.....                     | 2.10    |

|   |        |
|---|--------|
| Pike & Heald Co., 1 tin box.....  | \$0.75 |
| Francis Pratt, Jr., pens.....   | 1.50   |
| E. A. Stratton Co., 3 books.....  | 7.00   |
| Temple & Farrington Co., envelopes, book,<br>and copy General Statutes..... | 66.83  |

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 \$231.04

## CITY CLERK.

|   |         |
|---|---------|
| Boston Badge Co., junk collectors' badges..                   | \$30.00 |
| W. P. Goodman, stationery.....                                | 17.00   |
| Ideal Stamp Co., stamps.....                                  | 2.35    |
| Melvin & Fitts, ledger, binder, paper.....                    | 31.70   |
| F. H. McArdle, inkstands and moisteners...                    | 5.50    |
| Remington Typewriter Co., 1 McMillan book,                    | 25.85   |
| Smith Premier Typewriter Co., 1 McMillan<br>record book ..... | 16.85   |
| Western Union Telegraph Co., clock rental,                    | 12.00   |

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 \$141.25

## CITY TREASURER.

|   |         |
|---|---------|
| Amoskeag National Bank, rent of safety de-<br>posit box .....                           | \$15.00 |
| F. L. Allen, paid for envelopes, writing re-<br>ports, etc. ....                        | 4.30    |
| The Birmingham Pen Co., pens.....   | 2.50    |
| Frank P. Bridges & Co., pens.....   | 1.50    |
| Burroughs Adding Machine Co., 1 No. 9 ma-<br>chine .....                                | 367.50  |
| W. P. Goodman, stationery.....  | 10.45   |
| Ideal Stamp Co., stamps.....  | 1.65    |
| Kee Lox Manufacturing Co., coupon book..  | 4.50    |
| Manchester National Bank, rent of safe...   | 50.00   |
| F. H. McArdle, pencils, rubber bands, fast-<br>ener machine .....                       | 5.03    |
| Melvin & Fitts, stationery.....   | 2.23    |
| New England Telephone & Telegraph Co.,<br>tolls .....                                   | 14.36   |
| Old Colony Trust Co., preparation and cer-<br>tification, bonds and temporary loan..... | 403.00  |
| Francis Pratt, Jr., pens.....   | 1.50    |
| Remington Typewriter Co., 1 No. 10 type-<br>writer .....                                | 90.00   |
| E. A. Stratton Co., printing postcards, etc..   | 4.50    |
| Temple & Farrington Co., books and station-<br>ery and binding payrolls.....            | 23.00   |
| Thorp & Martin Co., paper.....  | 1.90    |

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 \$1,002.92



## INCIDENTAL EXPENSES.

45

## COURT HOUSE.

|   |        |          |
|---|--------|----------|
| W. E. Dunbar & Sons, wood.....                          | \$6.00 |          |
| Gustave Hecker, janitor.....                            | 200.00 |          |
| Manchester Hardware Co., 1 pail.....                    | .50    |          |
| Maxwell Ice Co., wood.....                              | 7.00   |          |
| Willard Miner, janitor.....                             | 400.00 |          |
| Willard Miner, removing and putting on<br>windows ..... | 1.50   |          |
| Moore & Preston Coal Co., coal.....                     | 315.98 |          |
| People's Gas-light Co., gas.....                        | .66    |          |
|   |        | <hr/>    |
|   |        | \$931.64 |

## BUILDING INSPECTOR.

|   |        |         |
|---|--------|---------|
| W. P. Goodman, stationery.....  | \$1.87 |         |
| New England Telephone & Telegraph Co.,<br>use of telephone.....   | 54.00  |         |
| Novelty Co., typewriter ribbon and oil.....   | 1.65   |         |
| S. A. Sprague, transportation and expenses<br>to New York and return, account of build-<br>ing code ..... | 16.90  |         |
| Temple & Farrington Co., stationery.....  | 19.70  |         |
| John B. Varick Co., sketching paper, card-<br>board, etc. ....  | 2.88   |         |
|   |        | <hr/>   |
|   |        | \$97.00 |

## INSURANCE PREMIUMS.

|                        |        |          |
|------------------------|--------|----------|
| W. G. Berry.....       | \$7.50 |          |
| George Blanchet .....  | 7.50   |          |
| Clough & Parker.....   | 5.00   |          |
| John Dowst .....       | 5.00   |          |
| Everett & Bunton.....  | 7.50   |          |
| L. A. O'Connor.....    | 50.00  |          |
| Thomas D. Paris.....   | 50.00  |          |
| Putnam & Laflamme..... | 54.00  |          |
| John A. Sheehan.....   | 18.75  |          |
|                        |        | <hr/>    |
|                        |        | \$205.25 |

## ELECTION EXPENSES.

|   |        |
|---|--------|
| O. G. Bloomey, sawdust.....   | \$4.60 |
| C. Boisclair, use of team.....  | 2.00   |
| Brodie Electric & Auto Co., taking ballot-<br>box from city hall to ward 9..... | 1.00   |
| T. J. Briggs, pipe and labor, ward 5.....                                       | 3.18   |
| Richard J. Brown, care of ward room, tak-<br>ing down booths, sundry times..... | 25.00  |

|   |        |
|---|--------|
| John Brunner, 24 pencils, and extra work<br>primary election .....  | \$5.24 |
| E. M. Bryant & Co., mantles, lamps, labor..   | 13.52  |
| Connor Brothers, labor and material, wards<br>5 and 10 .....  | 8.82   |
| Farrell Brothers, wiring for lights, lamps,<br>etc., ward 5.....  | 34.89  |
| W. J. Freeman, use of hacks (ballot boxes),   | 7.00   |
| A. L. Franks & Co., electric lights, sundry<br>wards .....  | 38.50  |
| Gallagher Amusement Co., rent of Mechan-<br>ics theater .....   | 200.00 |
| E. F. Geffrion, use of voting hall.....   | 55.00  |
| Peter Groux, setting up fans, ward 3.....   | 6.00   |
| W. P. Goodman, stationery.....  | 40.35  |
| W. Y. Hadlock, use of automobiles, inspec-<br>tors of checklists.....   | 10.00  |
| Hedding Baggage Transfer, use of haek,<br>ward 10 ballots.....  | 5.00   |
| C. A. Hoitt Co., use tables and chairs, ward<br>10 .....  | 2.65   |
| F. W. Hoffman, labor and sawdust, ward 8..  | 7.65   |
| Robert Leggett, fares and dinners, Concord,<br>N. H., recount of votes, wards 6 and 10,<br>1909, contested election case..... | 21.00  |
| Levesque & Boucher, fuel, ward 5.....   | 6.00   |
| T. W. Marland, making checklist board,<br>ward 2 .....  | 3.00   |
| C. H. Martel, stationery, express, postage,<br>ward 6 .....   | 10.00  |
| John McCarthy, labor, ward 10.....  | 2.50   |
| Melvin & Fitts, pads and pencils.....   | 5.25   |
| Moore & Preston Coal Co., wood, ward 2....  | 1.00   |
| J. F. Murphy, setting up and taking down<br>railing, etc., ward 1.....  | 8.00   |
| H. B. Neal, supplies and labor.....   | 13.53  |
| George Nault, delivering ballots.....   | .50    |
| Almon O. Oviatt, preparing ward 10 ward-<br>room for primary election, stationery and<br>postage .....                        | 7.50   |
| Powell & Clarkson, labor and teaming, ward<br>3 .....   | 7.25   |
| Platts Bros., use of heater, and cartage,<br>ward 2 .....   | 1.50   |
| George P. Rand, setting up and removing<br>booths, ward 7 .....   | 8.00   |

- INCIDENTAL EXPENSES.

|   |        |          |
|---|--------|----------|
| Ruemely Press, blanks and notices.....        | \$5.50 |          |
| Charles Robitaille, repairing rail to booth.. | 4.00   |          |
| Star Stamp Co., stamps and pads.....          | 9.00   |          |
| Thomas Stewart, sawdust, cartage, labor..     | 4.00   |          |
|   |        | \$587.93 |

SUNDRIES.

|   |            |            |
|---|------------|------------|
| American Express Co., express on reports..  | \$8.03     |            |
| F. L. Allen, expenses to Boston and Concord,<br>sundry times .....  | 38.02      |            |
| W. L. Aller & Co., caning chairs, council<br>chamber .....  | 2.00       |            |
| Battery A, firing salute, Fourth of July....  | 32.00      |            |
| E. H. Chadbourne, stamps.....   | 25.00      |            |
| C. B. Clarkson, weighing coal.....  | 3.75       |            |
| Consolidated Electric Lamp Co., lamps....   | 43.35      |            |
| John T. Heath, photograph of Mayor Reed,<br>and frame .....   | 15.00      |            |
| Manchester Traction, Light & Power Co.,<br>electric lights, ward 10 engine house.....   | 19.57      |            |
| Wm. Martin, burying dog killed by police..  | 1.00       |            |
| John J. McAllister, Jr., weighing coal.....   | 2.89       |            |
| New England Decorating Co., decorating<br>city hall, Franco-American celebration..  | 35.00      |            |
| New England Telephone & Telegraph Co.,<br>use of telephone, city physician.....   | 32.32      |            |
| New England Telephone & Telegraph Co.,<br>use of telephone, city solicitor.....   | .45        |            |
| People's Gas-light Co., gas, battery building,<br>Edward C. Smith, return of 352 names of<br>children .....   | 88.00      |            |
| Edward C. Smith, cash paid for expenses of<br>Chief Lane and committee on fire depart-<br>ment, and committee on finance to Bos-<br>ton, inspecting fire autos..... | 62.94      |            |
| Town of Goffstown, taxes.....   | 3.10       |            |
| Water commissioners, use of water, ward 5<br>wardroom, battery building, city farm....  | 61.00      |            |
|   |            | \$482.44   |
| Total expenditures .....  | \$6,329.50 |            |
| Transferred to unappropriated money.....  | 1,670.50   |            |
|   |            | \$8,000.00 |
|   |            |            |

## City Officers' Salaries.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$30,000.00 |
|---------------------|-------------|

## EXPENDITURES.

## CENTRAL DEPARTMENT.

|  |             |
|--|-------------|
| Eugene E. Reed, mayor.....                     | \$3,000.00  |
| Fred L. Allen, city treasurer.....             | 1,650.00    |
| Edward C. Smith, city clerk.....               | 1,350.00    |
| Edward C. Smith, clerk of committees.....      | 200.00      |
| George E. Morrill, tax collector.....          | 1,500.00    |
| Edwin C. Paul, deputy collector.....           | 800.00      |
| Abraham S. Rich, deputy collector.....         | 800.00      |
| Denis Vigneault, deputy collector.....         | 800.00      |
| James R. Ferson, city messenger.....           | 1,000.00    |
| S. Andrew Sprague, building inspector.....     | 1,350.00    |
| John T. Nixon, city solicitor.....             | 800.00      |
| Gilbert Lyons, city weigher.....               | 500.00      |
| George A. Doherty, acting city weigher....     | 19.20       |
| Harry W. Spaulding, clerk common council,      | 100.00      |
| George Merrill, bathhouse caretaker.....       | 120.00      |
| Frank A. Murphy, bathhouse caretaker....       | 36.66       |
| Susie E. Wason, mayor's clerk.....             | 720.00      |
| Mabel L. How, treasurer's clerk.....           | 780.00      |
| Eva G. Jones, city clerk's clerk.....          | 720.00      |
| Miranda M. Therrien, city clerk's clerk....    | 250.00      |
| Malvina Levesque, city clerk's clerk.....      | 315.00      |
| John J. McAllister, Jr., clerical services,    |             |
| city clerk .....                               | 45.90       |
| Park J. Stewart, building inspector's clerk..  | 462.00      |
| Robert A. Morrill, clerical services, tax col- |             |
| lector .....                                   | 70.00       |
| May Davis, clerical services, tax collector..  | 85.50       |
| Mrs. Blanche Wheeler, clerical services, tax   |             |
| collector .....                                | 125.00      |
|  | \$17,599.26 |

## CITY PHYSICIAN AND OVERSEERS OF THE POOR.

|                                       |          |
|---------------------------------------|----------|
| John C. O'Connor, city physician..... | \$900.00 |
| Michael Herbert, ward 1.....          | 50.00    |
| Daniel G. Andrews, ward 2.....        | 50.00    |
| Joseph L. Boudreau, ward 3.....       | 50.00    |
| Charles B. Clarkson, ward 4.....      | 50.00    |
| Thomas F. Sheehan, ward 5.....        | 50.00    |

## CITY OFFICERS' SALARIES.

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|                                |         |            |
|--------------------------------|---------|------------|
| John L. Wentworth, ward 6..... | \$50.00 |            |
| Wm. Marshall, ward 7.....      | 50.00   |            |
| Robert J. Werner, ward 8.....  | 50.00   |            |
| Adelard Lambert, ward 9.....   | 50.00   |            |
| Edward T. Tate, ward 10.....   | 50.00   |            |
| Thomas H. Stewart, clerk.....  | 125.00  |            |
|                                |         | <hr/>      |
|                                |         | \$1,525.00 |

## SCHOOL OFFICERS AND BOARD OF SCHOOL COMMITTEE.

|  |            |            |
|--|------------|------------|
| Charles W. Bickford, school superintendent,                          | \$2,300.00 |            |
| Curtis W. Davis, truant officer.....                                 | 1,000.00   |            |
| Harry L. Davis, clerk of schoolboard.....                            | 150.00     |            |
| James B. Fitch, president of common council, <i>ex officio</i> ..... | 10.00      |            |
| Sumner W. Patten, ward 1.....  | 10.00      |            |
| Joseph W. Abbott, ward 1.....  | 10.00      |            |
| George M. Davis, ward 2.....   | 10.00      |            |
| Allan M. Wilson, ward 2.....   | 10.00      |            |
| Thomas Chalmers, ward 3.....   | 10.00      |            |
| Frank L. Downs, ward 3.....  | 10.00      |            |
| Edward P. Morrill, ward 4.....                                       | 10.00      |            |
| William A. Phinney, ward 4.....                                      | 10.00      |            |
| John F. Lee, ward 5.....   | 10.00      |            |
| Joseph P. Devine, ward 5.....  | 10.00      |            |
| Harry L. Davis, ward 6.....  | 10.00      |            |
| G. Waldo Browne, ward 6.....   | 10.00      |            |
| Edward B. Woodbury, ward 7.....                                      | 10.00      |            |
| Albert W. Thompson, ward 7.....                                      | 10.00      |            |
| Walter B. Mitchell, ward 8.....                                      | 10.00      |            |
| Frank A. Cadwell, ward 8.....  | 10.00      |            |
| Antoine M. Menard, ward 9.....                                       | 10.00      |            |
| Aime Martel, ward 9.....   | 10.00      |            |
| Francis X. Lyons, ward 10.....                                       | 10.00      |            |
| John H. Rice, ward 10.....   | 10.00      |            |
|  |            | <hr/>      |
|  |            | \$3,660.00 |

## BOARD OF ALDERMEN.

|                                |          |
|--------------------------------|----------|
| Ernest W. Weisner, ward 1..... | \$200.00 |
| Joseph H. Geisel, ward 2.....  | 54.00    |
| Albert L. Clough, ward 2.....  | 125.00   |
| Fred O. Parnell, ward 3.....   | 200.00   |
| Maurice L. Hoitt, ward 4.....  | 200.00   |
| Richard J. Barry, ward 5.....  | 200.00   |
| Andrew B. Bunton, ward 6.....  | 200.00   |
| Herbert A. Salls, ward 7.....  | 200.00   |



## REPORT OF THE CITY AUDITOR.

|                                 |          |            |
|---------------------------------|----------|------------|
| James E. McDonald, ward 8.....  | \$200.00 |            |
| Arthur J. Provost, ward 9.....  | 200.00   |            |
| Pierre J. Charron, ward 10..... | 200.00   |            |
|                                 |          | \$1,980.00 |

## ELECTION OFFICERS.

|                               |          |            |
|-------------------------------|----------|------------|
| Election inspectors .....     | \$820.00 |            |
| Inspectors of checklists..... | 2,928.75 |            |
| Moderators .....              | 255.00   |            |
| Selectmen .....               | 740.00   |            |
| Ward clerks .....             | 305.00   |            |
|                               |          | \$5,048.75 |

|  |  |             |
|--|--|-------------|
| Total expenditures .....                 |  | \$29,813.01 |
| Transferred to unappropriated money..... |  | 186.99      |
|  |  | \$30,000.00 |

## Assessors' Department.

|   |            |            |
|---|------------|------------|
| Appropriation .....                         | \$9,500.00 |            |
| Appropriation, by resolution, August 29.... | 350.00     |            |
|   |            | \$9,850.00 |

## EXPENDITURES.

## SALARIES OF BOARD.

|                                       |          |            |
|---------------------------------------|----------|------------|
| George A. Clark,* chairman.....       | \$250.00 |            |
| Joseph O. Tremblay, chairman.....     | 1,500.00 |            |
| Joseph H. Geisel .....                | 1,250.00 |            |
| William P. Farmer.....                | 1,500.00 |            |
|                                       |          | \$4,500.00 |
| Arthur W. Rowell, clerk of board..... |          | \$1,200.00 |
| Harry J. Briggs, engineer.....        |          | \$939.00   |

## CLERICAL SERVICES.

|                         |         |
|-------------------------|---------|
| J. W. Z. Bernard.....   | \$37.50 |
| Charles W. Brown.....   | 137.50  |
| Fred R. Currier.....    | 42.00   |
| Frank P. Collins.....   | 123.75  |
| James Costakis.....     | 35.00   |
| Albert Dugre .....      | 23.75   |
| Arthur H. Fletcher..... | 159.50  |

\* Resigned. Joseph H. Geisel elected.

ASSESSORS' DEPARTMENT.

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|                         |            |
|-------------------------|------------|
| Artz Furchtegott.....   | \$31.25    |
| Harry T. George.....    | 104.50     |
| Victor Irsyk .....      | 35.00      |
| Hjalmar C. Johnson..... | 32.56      |
| John W. S. Joyal.....   | 35.00      |
| Joseph T. Laforce.....  | 132.00     |
| Thomas A. McCabe.....   | 35.00      |
| John Montplaisir .....  | 26.25      |
| W. J. Murphy.....       | 40.00      |
| Charles Oettler .....   | 25.00      |
| Alphonse Regnier .....  | 32.50      |
| G. F. Sheehan.....      | 32.50      |
| L. M. Streeter.....     | 32.50      |
| George Taylor .....     | 42.50      |
| C. C. Tinkham.....      | 35.00      |
| Adrien Tremblay.....    | 4.50       |
| C. D. Trudell.....      | 27.50      |
| Armelle Turcotte .....  | 22.50      |
| George B. True.....     | 143.00     |
| Romeo Tremblay .....    | 107.50     |
|                         | <hr/>      |
|                         | \$1,535.50 |

USE OF TEAMS.

|                                |          |
|--------------------------------|----------|
| Edward L. Bohan.....           | \$9.00   |
| Bridge-street auto garage..... | 5.00     |
| Lester W. Brooks.....          | 8.00     |
| C. Boisclair .. .....          | 2.00     |
| Peter Campbell .....           | 4.00     |
| W. J. Freeman.....             | 18.50    |
| J. D. French.....              | 2.50     |
| E. G. Libbey.....              | 44.00    |
| Manchester auto garage.....    | 12.50    |
| George W. Reed.....            | 9.00     |
| Roy & Gadbois.....             | 44.50    |
| J. W. Richards.....            | 27.00    |
| L. M. Streeter.....            | 19.50    |
| Louis Vogel .....              | 63.50    |
|                                | <hr/>    |
|                                | \$269.00 |

SUPPLIES, ETC.

|  |        |
|--|--------|
| Carl W. Anderson & Co., ink.....                   | \$1.80 |
| J. J. Abbott, kalsomining walls.....               | 12.00  |
| Bechard & Co., printing inventory blanks..         | 7.50   |
| John B. Clarke Co., printing and advertising ..... | 114.63 |
| E. H. Clough, stamped envelopes.....               | 82.88  |
| A. L. Franks & Co., lamps.....                     | 7.20   |

|   |         |            |
|---|---------|------------|
| W. P. Goodman, stationery.....                | \$12.45 |            |
| Peter Harris & Son, repairs.....              | 6.35    |            |
| C. A. Hoitt Co., linoleum.....                | 2.67    |            |
| E. H. Holmes, hoisting safe into office.....  | 40.00   |            |
| Kenney Bros. & Wolkins, 6 inkwells.....       | 1.00    |            |
| L'Avenir National, publishing notice.....     | 16.25   |            |
| LeReveil Publishing Co., publishing notice..  | 16.25   |            |
| Manchester Typewriter Exchange, 1 platen,     | 1.65    |            |
| Manchester Traction, Light & Power Co.,       |         |            |
| lamps .....                                   | 8.40    |            |
| Melvin & Fitts, 1 bookcase.....               | 15.50   |            |
| J. S. Mills, work on typewriter.....          | 2.50    |            |
| F. H. McArdle, carbon paper.....              | 2.50    |            |
| J. J. Moreau & Son, pencils, tin, enamel, la- |         |            |
| bor .....                                     | 12.70   |            |
| Manchester Union Co., publishing notice...    | 21.00   |            |
| New England Telephone & Telegraph Co.,        |         |            |
| use of telephone.....                         | 56.02   |            |
| Office Toilet Supply Co., toilet service..... | 14.30   |            |
| A. J. Precourt, fountain pen, and 1 type-     |         |            |
| writer .....                                  | 61.00   |            |
| Powell & Clarkson, typewriter stand and       |         |            |
| oak table top.....                            | 21.00   |            |
| Ruemely Press, printing cards.....            | 3.25    |            |
| E. A. Stratton Co., printing blanks.....      | 3.75    |            |
| Temple & Farrington Co., books and station-   |         |            |
| ery .....                                     | 117.75  |            |
| J. O. Tremblay, cash paid:                    |         |            |
| Expenses, sundry cities.....                  | 179.68  |            |
| Postage, carfares, etc. ....                  | 85.25   |            |
| J. O. & L. P. Tremblay, repairing steel case  |         |            |
| drawers .....                                 | 2.25    |            |
| John B. Varick Co., 1 safe.....               | 325.00  |            |
| John B. Varick Co., steel tape, ink, paper,   |         |            |
| etc. ....                                     | 31.63   |            |
|   |         | \$1,286.11 |
| Total expenditures .....                      |         | \$9,729.61 |
| Transferred to unappropriated money.....      |         | 120.39     |
|   |         | \$9,850.00 |

## Auditor's Department.

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$2,400.00 |
|---------------------|------------|

## EXPENDITURES.

## LABOR.

|  |            |            |
|--|------------|------------|
| James E. Dodge, salary as auditor.....     | \$1,350.00 |            |
| Lizzie M. Cogswell, services as clerk..... | 880.00     |            |
|  |            | \$2,230.00 |

## SUPPLIES.

|  |        |            |
|--|--------|------------|
| Barton Company, towels.....  | \$1.77 |            |
| L. M. Cogswell, cash paid:   |        |            |
| Laundry, soap, cheese cloth.....   | 6.70   |            |
| Stamps, postals, stationery.....   | 10.00  |            |
| James E. Dodge, paid express, expenses to<br>Boston, etc. ....                                     | 10.97  |            |
| W. P. Goodman, stationery and books.....   | 14.47  |            |
| F. H. McArdle, penholders.....   | 1.00   |            |
| Manchester Traction, Light & Power Co.,<br>labor on electric fan.....                              | .75    |            |
| Municipal Journal & Engineer, subscriptions<br>to magazine .....                                   | 6.00   |            |
| Remington Typewriter Co., 1 No. 7 type-<br>writer and cover, less exchange and dis-<br>count ..... | 80.00  |            |
| Temple & Farrington Co., files.....  | 1.50   |            |
| John B. Varick Co., battery and paper.....   | 1.84   |            |
| J. A. Williams, printing billheads.....  | 35.00  |            |
|  |        | \$170.00   |
| Total expenditures .....   |        | \$2,400.00 |

## Mayor's Incidentals.

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300.00 |
|---------------------|----------|

## EXPENDITURES.

|                     |          |
|---------------------|----------|
| Eugene E. Reed..... | \$300.00 |
|---------------------|----------|

## Street and Park Commission.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$10,000.00 |
|---------------------|-------------|

## REPORT OF THE CITY AUDITOR.

## EXPENDITURES.

## SALARIES OF COMMISSIONERS.

|                                |          |            |
|--------------------------------|----------|------------|
| William McElroy, chairman..... | \$750.00 |            |
| Samuel J. Lord, clerk.....     | 1,100.04 |            |
| Byron Worthen .....            | 750.00   |            |
|                                |          | \$2,600.04 |

## DIVISION SUPERINTENDENTS AND ASSISTANTS.

|   |            |            |
|---|------------|------------|
| George P. Ames, division No. 2.....                           | \$1,500.00 |            |
| Charles Francis, division No. 7.....                          | 1,200.00   |            |
| Alphonse Laberge, division No. 10.....                        | 1,092.00   |            |
| Emile A. Blanchet, timekeeper, division No.<br>2 .....        | 477.00     |            |
| John A. Gemmell, timekeeper, division No.<br>10 .....         | 692.00     |            |
| Harold M. Haskell, second hand, division No.<br>2 .....       | 291.28     |            |
| Frank P. Collins, timekeeper.....                             | 52.00      |            |
| John J. McAllister, Jr., inspector of street<br>repairs ..... | 110.16     |            |
|   |            | \$5,414.44 |

## CLERICAL SERVICES.

|                            |         |            |
|----------------------------|---------|------------|
| Frank L. Aldrich.....      | \$62.50 |            |
| Harrie H. Clement.....     | 372.00  |            |
| Omer Coffin .....          | 36.00   |            |
| Joseph McElroy .....       | 123.86  |            |
| Frank L. McAllister.....   | 40.50   |            |
| Richard V. McAllaster..... | 120.58  |            |
| Harry G. Sanford.....      | 29.75   |            |
| E. Park Stevens.....       | 452.60  |            |
|                            |         | \$1,237.79 |

## SUPPLIES.

|  |        |  |
|--|--------|--|
| Amoskeag Manufacturing Co., neostyle paper,                            | \$1.75 |  |
| Burroughs Adding Machine Co., ribbon, and<br>attention to machine..... | 4.00   |  |
| John B. Clarke Co., printing blanks, etc....                           | 102.50 |  |
| John B. Clarke Co., advertising notice.....                            | 1.20   |  |
| E. H. Clough, stamps.....  | 20.00  |  |
| H. H. Clement, express, carfares, etc.....                             | 11.27  |  |
| W. P. Goodman, books and stationery.....                               | 39.03  |  |
| Hesser Business College, neostyle ink and<br>paper .....               | 1.67   |  |
| Ideal Stamp Co., rubber stamps.....                                    | 2.15   |  |



|  |        |                           |
|--|--------|---------------------------|
| Kee Lox Manufacturing Co., ribbons and paper .....                           | \$8.00 |                           |
| Manchester Traction, Light & Power Co., lamps, shades and holders.....       | 21.60  |                           |
| Manchester Typewriter Exchange, 1 stapler and staples .....                  | 4.25   |                           |
| Manchester Union Co., advertising.....                                       | 1.56   |                           |
| Melvin & Fitts, cabinet, sections, holders, cards, books and stationery..... | 131.50 |                           |
| Munson Supply Co., pneumatic keys.....                                       | 7.00   |                           |
| Municipal Journal & Engineer, 1 subscription to March, 1911.....             | 3.00   |                           |
| New England Telephone & Telegraph Co., use of telephones.....                | 182.87 |                           |
| New York Blue Print Paper Co., paper.....                                    | 1.60   |                           |
| Francis Pratt, Jr., pens.....  | 1.50   |                           |
| Remington Typewriter Co., adjusting machine .....                            | 2.00   |                           |
| Ruemely Press, printing and binding.....                                     | 31.75  |                           |
| E. Park Stevens, express and postage.....                                    | 19.00  |                           |
| Temple & Farrington Co., books and stationery, and binding records.....      | 34.15  |                           |
| John B. Varick Co., oil.....   | .25    |                           |
| Samuel Ward Co., staples for binder.....                                     | 2.00   |                           |
| J. Arthur Williams, paper, printing, and binding .....                       | 50.60  |                           |
| H. M. Young, postage and labor.....  | 60.90  |                           |
|  |        | <u>\$747.10</u>           |
| Total expenditures .....   |        | \$9,999.37                |
| Transferred to unappropriated money.....                                     |        | .63                       |
|  |        | <u><u>\$10,000.00</u></u> |

Repairs of Highways.

|                     |                           |
|---------------------|---------------------------|
| Appropriation ..... | <u><u>\$30,000.00</u></u> |
|---------------------|---------------------------|

EXPENDITURES.

LABOR.

|                 |          |
|-----------------|----------|
| Division No. 2: |          |
| January .....   | \$133.44 |
| February .....  | 6.13     |
| March .....     | 130.07   |

|                  |          |                   |
|------------------|----------|-------------------|
| April .....      | \$74.31  |                   |
| May .....        | 455.32   |                   |
| June .....       | 2,310.34 |                   |
| July .....       | 1,279.59 |                   |
| August .....     | 97.90    |                   |
| September .....  | 43.75    |                   |
| October .....    | 1,001.87 |                   |
| November .....   | 1,583.55 |                   |
|                  |          | <u>\$7,116.27</u> |
| Division No. 4:  |          |                   |
| January .....    | \$22.18  |                   |
| March .....      | 37.95    |                   |
| June .....       | 40.37    |                   |
|                  |          | <u>\$100.50</u>   |
| Division No. 5:  |          |                   |
| March .....      | \$1.50   |                   |
| April .....      | 39.11    |                   |
| June .....       | 70.10    |                   |
| July .....       | 37.25    |                   |
|                  |          | <u>\$147.96</u>   |
| Division No. 7:  |          |                   |
| February .....   | \$100.25 |                   |
| March .....      | 84.50    |                   |
| April .....      | 494.62   |                   |
| May .....        | 816.10   |                   |
| June .....       | 533.06   |                   |
| July .....       | 340.94   |                   |
| August .....     | 142.23   |                   |
| September .....  | 121.00   |                   |
| October .....    | 216.16   |                   |
| November .....   | 590.29   |                   |
|                  |          | <u>\$3,439.15</u> |
| Division No. 9:  |          |                   |
| May .....        | \$151.12 |                   |
| July .....       | 225.00   |                   |
|                  |          | <u>\$376.12</u>   |
| Division No. 10: |          |                   |
| January .....    | \$9.25   |                   |
| February .....   | 5.25     |                   |
| March .....      | 78.87    |                   |
| April .....      | 255.86   |                   |
| May .....        | 480.48   |                   |
| June .....       | 1,735.63 |                   |
| July .....       | 1,209.76 |                   |
| August .....     | 571.79   |                   |
| September .....  | 2.00     |                   |
| October .....    | 1.75     |                   |
|                  |          | <u>\$4,350.64</u> |

## SUPPLIES, ETC.

|  |          |            |
|--|----------|------------|
| C. A. Bailey, curbing.....   | \$158.10 |            |
| Carson Trench Machine Co., boiler for cable-<br>way engine .....   | 360.00   |            |
| Indian Refining Co., liquid asphalt.....                           | 536.22   |            |
| Hanscom Construction Co., balance due, pav-<br>ing Elm street..... | 1,280.22 |            |
| J. S. Lovering, gravel.....  | 1.20     |            |
| A. N. Nettel, clay.....  | 3.00     |            |
| Palmer & Garmon, paving blocks.....                                | 1,670.90 |            |
| Pike & Heald Co., washers, brush, etc.....                         | 3.86     |            |
| Robie Consolidated Concrete Co., concrete..                        | 683.62   |            |
| Vacuum Oil Co., cylinder and engine oil....                        | 92.30    |            |
| John B. Varick Co., tools, dynamite, etc....                       | 93.57    |            |
| Arthur A. Warren, kerosene oil and gasoline,                       | 17.75    |            |
| Winchester Stone Co., broken stone.....                            | 4,614.67 |            |
|  |          | <hr/>      |
|  |          | \$9,515.41 |

## REPAIRS.

|  |          |          |
|--|----------|----------|
| Buffalo Steam Roller Co., material and re-<br>pairs on roller..... | \$448.09 |          |
| Drew Machinery Agency, repairing roller...                         | 8.10     |          |
|  |          | <hr/>    |
|  |          | \$456.19 |

## SUNDRIES.

|   |             |             |
|---|-------------|-------------|
| American Express Co., express charges.....                              | \$12.50     |             |
| Boston & Maine Railroad, freight and car<br>service .....               | 28.16       |             |
| L. B. Bodwell & Co., coal.....  | 680.43      |             |
| Alex Champagne, care and maintenance of<br>watering trough .....        | 4.00        |             |
| George J. Gingras, cash paid for repairing<br>awning .....              | 2.25        |             |
| Manchester Traction, Light & Power Co.,<br>electricity for crusher..... | 88.92       |             |
| Ernest Rene, loss of time, due to accident..                            | 5.25        |             |
| S. B. Stearns, insurance premium (boiler)..                             | 23.63       |             |
| Water commissioners, water for crusher....                              | 15.00       |             |
|   |             | <hr/>       |
|   |             | \$860.14    |
|   |             | <hr/>       |
| Total expenditures .....  | \$26,362.38 |             |
| Transferred to unappropriated money.....                                | 3,637.62    |             |
|   |             | <hr/>       |
|   |             | \$30,000.00 |
|   |             | <hr/> <hr/> |

## New Highways.

|   |             |                    |
|---|-------------|--------------------|
| Appropriation .....                       | \$52,000.00 |                    |
| Received for labor and material sold..... | 6,230.37    |                    |
| Transferred from unappropriated money.... | 8,952.01    |                    |
|   |             | <u>\$67,182.38</u> |

## EXPENDITURES.

## LABOR.

|                  |          |                    |
|------------------|----------|--------------------|
| Division No. 2:  |          |                    |
| June .....       | \$5.69   |                    |
| July .....       | 685.21   |                    |
| August .....     | 3,216.53 |                    |
| September .....  | 4,751.41 |                    |
| October .....    | 5,460.09 |                    |
| November .....   | 6,591.72 |                    |
|                  |          | <u>\$20,710.65</u> |
| Division No. 4:  |          |                    |
| August .....     | \$166.50 |                    |
| September .....  | 114.50   |                    |
|                  |          | <u>\$281.00</u>    |
| Division No. 5:  |          |                    |
| August .....     | \$127.00 |                    |
| September .....  | 77.87    |                    |
| November .....   | 91.24    |                    |
|                  |          | <u>\$296.11</u>    |
| Division No. 7:  |          |                    |
| February .....   | \$14.00  |                    |
| June .....       | 1,088.27 |                    |
| July .....       | 853.42   |                    |
| August .....     | 878.22   |                    |
| September .....  | 418.12   |                    |
| October .....    | 397.11   |                    |
| November .....   | 972.50   |                    |
|                  |          | <u>\$4,621.64</u>  |
| Division No. 9:  |          |                    |
| August .....     | \$452.94 |                    |
| September .....  | 536.63   |                    |
| October .....    | 531.97   |                    |
| November .....   | 507.70   |                    |
|                  |          | <u>\$2,029.24</u>  |
| Division No. 10: |          |                    |
| June .....       | \$11.26  |                    |
| August .....     | 1,063.53 |                    |
| September .....  | 1,522.94 |                    |
| October .....    | 1,847.46 |                    |
| November .....   | 1,449.99 |                    |
|                  |          | <u>\$5,895.18</u>  |

## SUNDRIES.

|   |             |
|---|-------------|
| American Locomotive Co., repairing hoisting engine, etc.....                | \$147.75    |
| Charles A. Bailey, curbing.....   | 476.20      |
| Barrett Manufacturing Co., "Tarvia".....                                    | 650.00      |
| Besse-Eldridge Co., gloves.....   | .42         |
| Boston & Maine Railroad, freight.....                                       | 228.30      |
| Harold L. Bond Co., hose and couplings.....                                 | 91.00       |
| Buffalo Steam Roller Co., 1 steam roller, complete .....                    | 3,500.00    |
| Buffalo Steam Roller Co., supplies.....                                     | 72.15       |
| Concord Foundry & Machine Co., castings..                                   | 408.83      |
| James F. Cavanaugh, labor on highways....                                   | 9,823.56    |
| F. P. Collins, services as timekeeper.....                                  | 20.00       |
| Drew Machinery Agency, labor.....   | 6.50        |
| Frank A. Gay, engineering.....  | 162.20      |
| B. F. Greer, lumber.....  | 389.99      |
| Good Roads Machinery Co., supplies.....                                     | 524.05      |
| Head & Dowst Co., lumber and guide boards,                                  | 12.51       |
| W. F. Head & Son, brick.....  | 276.32      |
| J. Hodge, signs to order.....   | 12.70       |
| Indian Refining Co., liquid asphalt binder..                                | 273.78      |
| Ingersoll-Sergeant Drill Co., supplies.....                                 | 21.94       |
| Jakob Jarko, 21 $\frac{3}{4}$ days' time, due to accident .....             | 38.06       |
| Lidgerwood Manufacturing Co., engine supplies .....                         | 8.05        |
| Manchester Traction, Light & Power Co., electricity, for stone crusher..... | 227.43      |
| C. F. McCarty, painting guide boards.....                                   | 8.00        |
| John J. McAllister, Jr., city yard inspector..                              | 91.80       |
| A. N. Nettel, gravel.....   | 5.00        |
| H. W. Parker, cement.....   | 2,040.00    |
| H. W. Parker, salt.....   | .70         |
| Palmer & Garmon, paving blocks.....   | 1,241.32    |
| Pike & Heald Co., pipe, etc.....  | 25.17       |
| Sacred Heart hospital, board, Jakob Jarko..                                 | 7.50        |
| Standard Oil Co., oil.....  | 4.90        |
| S. B. Stearns, insurance premium.....                                       | 141.82      |
| The Texas Co., kerosene oil.....  | 18.03       |
| Vacuum Oil Co., cylinder oil.....   | 59.38       |
| John B. Varick Co., hardware and tools.....                                 | 688.28      |
| Wafer commissioners, use of water.....                                      | 15.00       |
| West Side Lumber Co., lumber.....   | 74.41       |
| Winchester Stone Co., broken stone.....                                     | 11,555.51   |
|   | <hr/>       |
|   | \$33,348.56 |
| Total expenditures.....   | <hr/> <hr/> |
|   | \$67,182.38 |



## Snow and Ice and Cleaning Streets.

|   |             |                    |
|---|-------------|--------------------|
| Appropriation .....                       | \$18,000.00 |                    |
| Transferred from unappropriated money.... | 530.04      |                    |
|   |             | <u>\$18,530.04</u> |

## EXPENDITURES.

## LABOR.

|                  |            |                    |
|------------------|------------|--------------------|
| Division No. 2:  |            |                    |
| January .....    | \$1,717.29 |                    |
| February .....   | 2,941.53   |                    |
| March .....      | 1,317.43   |                    |
| April .....      | 521.76     |                    |
| May .....        | 1,826.66   |                    |
| June .....       | 2,028.71   |                    |
| July .....       | 541.25     |                    |
| August .....     | 873.52     |                    |
| September .....  | 805.13     |                    |
| October .....    | 828.70     |                    |
| November .....   | 861.48     |                    |
| December .....   | 104.99     |                    |
|                  |            | <u>\$14,368.45</u> |
| Division No. 4:  |            |                    |
| February .....   |            | 62.66              |
| Division No. 5:  |            |                    |
| January .....    | \$24.24    |                    |
| February .....   | 42.08      |                    |
| March .....      | 15.12      |                    |
|                  |            | <u>\$81.44</u>     |
| Division No. 7:  |            |                    |
| January .....    | \$273.44   |                    |
| February .....   | 564.14     |                    |
| March .....      | 406.62     |                    |
|                  |            | <u>\$1,244.20</u>  |
| Division No. 10: |            |                    |
| January .....    | \$545.45   |                    |
| February .....   | 1,173.77   |                    |
| March .....      | 547.30     |                    |
| April .....      | 43.62      |                    |
| November .....   | 83.75      |                    |
|                  |            | <u>\$2,393.89</u>  |

## SUNDRIES.

|   |          |
|---|----------|
| A. B. Black, 2 gutter snowplows.....    | \$130.00 |
| Boston & Maine Railroad, freight.....   | 7.96     |
| G. W. Dodge Shoe Co., rubber boots..... | 7.00     |

|   |        |                           |
|---|--------|---------------------------|
| S. P. Dodge Co., rim and spokes.....  | \$7.15 |                           |
| M. E. Kean, M. D., professional services of<br>self, Drs. Lyons and Folsom, for Arthur<br>Coleman ..... | 50.00  |                           |
| H. W. Parker, salt.....   | 2.10   |                           |
| Pike & Heald Co., pipe and couplings.....   | 1.14   |                           |
| Sacred Heart hospital, surgical attendance,<br>A. Coleman .....   | 10.00  |                           |
| H. Thompson, brooms and handles.....  | 61.00  |                           |
| John B. Varick Co., hardware and tools....  | 103.05 |                           |
|   |        | <u>\$379.40</u>           |
| Total expenditures .....  |        | <u><u>\$18,530.04</u></u> |

Damage of Land Taken for Highways.

|  |            |                             |
|--|------------|-----------------------------|
| Appropriation .....                      | \$2,000.00 |                             |
|  |            | <u><u>EXPENDITURES.</u></u> |
| Harry T. Lord and Samuel J. Lord.....    | \$1,900.00 |                             |
| Total expenditures .....                 | \$1,900.00 |                             |
| Transferred to unappropriated money..... | 100.00     |                             |
|  |            | <u><u>\$2,000.00</u></u>    |

Watering Streets.

|                     |             |                             |
|---------------------|-------------|-----------------------------|
| Appropriation ..... | \$10,000.00 |                             |
|                     |             | <u><u>EXPENDITURES.</u></u> |
|                     |             | <u>LABOR.</u>               |
| Division No. 2:     |             |                             |
| January .....       | \$2.50      |                             |
| February .....      | 2.50        |                             |
| April .....         | 84.39       |                             |
| May .....           | 154.67      |                             |
| June .....          | 710.27      |                             |
| July .....          | 1,071.06    |                             |
| August .....        | 1,511.00    |                             |
| September .....     | 861.44      |                             |
| October .....       | 765.83      |                             |
| November .....      | 293.94      |                             |
|                     |             | <u>\$5,457.60</u>           |

## Division No. 7:

|                 |         |
|-----------------|---------|
| May .....       | \$18.00 |
| June .....      | 178.00  |
| July .....      | 308.25  |
| August .....    | 293.58  |
| September ..... | 198.00  |
| October .....   | 176.63  |
| November .....  | 20.25   |

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 \$1,192.71

## Division No. 10:

|                 |         |
|-----------------|---------|
| January .....   | \$12.50 |
| February .....  | 19.25   |
| March .....     | 7.00    |
| April .....     | 14.25   |
| May .....       | 40.00   |
| June .....      | 175.37  |
| July .....      | 306.50  |
| August .....    | 209.50  |
| September ..... | 225.75  |
| October .....   | 235.50  |
| November .....  | 69.25   |

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 \$1,314.87

## SUPPLIES, REPAIRS, ETC.

|   |        |
|---|--------|
| Boston & Maine Railroad, freight and car service .....                            | \$9.70 |
| Alex Champagne, use of trough and water, 1909 .....                               | 3.00   |
| S. P. Dodge Co., material and labor.....  | 29.95  |
| G. W. Dodge Shoe Co., rubber boots.....   | 32.00  |
| Chandler-Eastman Co., 1 sprinkler, 1 steel tank .....                             | 575.00 |
| Indian Refining Co., liquid asphalt.....  | 546.75 |
| Kimball Carriage Co., hose and repairs....  | 2.50   |
| Kearns & Goldie, repairing boots.....   | 4.30   |
| Manchester Coal & Ice Co., ice.....   | 68.74  |
| Maxwell Ice Co., ice.....   | 146.55 |
| F. F. Osgood, packing.....  | 3.15   |
| Pike & Heald Co., dippers, pipe, repairs....                                      | 41.04  |
| Robie Consolidated Concrete Co., mixing liquid asphalt and sand for dust laying.. | 165.91 |
| John B. Varick Co., hose, varnish, etc.....                                       | 384.89 |
| West Side Lumber Co., lumber.....   | 2.00   |

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 \$2,015.48

|  |            |
|--|------------|
| Total expenditures .....                 | \$9,980.66 |
| Transferred to unappropriated money..... | 19.34      |

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 \$10,000.00
 

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## Paving Streets.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$10,000.00 |
|---------------------|-------------|

## EXPENDITURES.

## LABOR.

## Division No. 2:

|                 |         |
|-----------------|---------|
| April .....     | \$66.96 |
| May .....       | 8.25    |
| July .....      | 72.83   |
| August .....    | 237.07  |
| September ..... | 10.38   |
| October .....   | 22.50   |
| November .....  | 115.26  |

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 \$533.25

## Division No. 7:

|               |        |
|---------------|--------|
| October ..... | \$5.25 |
|---------------|--------|

## Division No. 10:

|                 |        |
|-----------------|--------|
| April .....     | \$8.00 |
| May .....       | 8.37   |
| June .....      | 6.00   |
| July .....      | 58.75  |
| August .....    | 114.49 |
| September ..... | 89.12  |
| October .....   | 125.87 |
| November .....  | 122.37 |

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 \$532.97

## SUNDRIES.

|  |          |
|--|----------|
| Amoskeag Manufacturing Co., cement.....                              | \$21.88  |
| Barrett Manufacturing Co., "Tarvia".....                             | 256.00   |
| Boston & Maine Railroad, freight.....                                | 94.61    |
| Fitz-Dillingham Co., repairing mixer.....                            | 1.00     |
| Frost Paint & Manufacturing Co., metal<br>paint .....                | 6.75     |
| Manchester Machine Works, repairing con-<br>crete mixer .....        | .75      |
| Manchester Street Railway, use of workcar,<br>and paving blocks..... | 141.80   |
| John J. McAllister, Jr., inspecting repairs..                        | 34.34    |
| Municipal Engineering, & Contracting Co.,<br>concrete mixer .....    | 1,145.00 |
| H. W. Parker, cement.....  | 1,277.57 |
| Palmer & Garmon, paving blocks and curb-<br>ing .....                | 1,124.77 |
| Pike & Heald Co., pipe.....  | .51      |

|  |            |             |
|--|------------|-------------|
| Robie Consolidated Concrete Co., repairs....           | \$1,625.35 |             |
| S. B. Stearns, insurance premium.....                  | 23.63      |             |
| U. S. Wood Preserving Co., wood paving<br>blocks ..... | 3,111.53   |             |
| John B. Varick Co., hardware.....                      | .67        |             |
|  | <hr/>      | \$8,866.16  |
| Total expenditures .....                               |            | \$9,937.63  |
| Transferred to unappropriated money.....               |            | 62.37       |
|  |            | <hr/>       |
|  |            | \$10,000.00 |
|  |            | <hr/> <hr/> |

**Macadamizing Streets.**

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$10,000.00 |
|                     | <hr/> <hr/> |

EXPENDITURES.

LABOR.

|                  |         |          |
|------------------|---------|----------|
| Division No. 2:  |         |          |
| July .....       | \$24.75 |          |
| August .....     | 99.74   |          |
| December .....   | 133.58  |          |
|                  | <hr/>   | \$258.07 |
| Division No. 10: |         |          |
| June .....       |         | \$11.00  |

SUNDRIES.

|   |          |             |
|---|----------|-------------|
| Amoskeag Manufacturing Co., connecting 2<br>tank cars ..... | \$28.50  |             |
| C. A. Bailey, curbing.....                                  | 360.05   |             |
| Barrett Manufacturing Co., "Tarvia".....                    | 520.00   |             |
| L. B. Bodwell & Co., coal.....                              | 496.01   |             |
| Boston & Maine Railroad, car service.....                   | 80.00    |             |
| James F. Cavanaugh, labor and material,<br>State road ..... | 3,878.32 |             |
| Fred E. Ellis, balance due on stone, 1909....               | 14.22    |             |
| Palmer & Garmon, curbing.....                               | 134.52   |             |
| Standard Oil Co., kerosene oil.....                         | 5.50     |             |
| S. B. Stearns, insurance premium.....                       | 47.26    |             |
| Winchester Stone Co., stone.....                            | 868.69   |             |
|   | <hr/>    | \$6,433.07  |
| Total expenditures .....                                    |          | \$6,702.14  |
| Transferred to unappropriated money.....                    |          | 3,297.86    |
|   |          | <hr/>       |
|   |          | \$10,000.00 |
|   |          | <hr/> <hr/> |



## Grading for Concrete.

|   |            |                   |
|---|------------|-------------------|
| Appropriation .....                       | \$2,000.00 |                   |
| Received for labor and material sold..... | 40.00      |                   |
| Transferred from unappropriated money...  | 4,654.70   |                   |
|   |            | <u>\$6,694.70</u> |

## EXPENDITURES.

## LABOR.

|                 |          |                   |
|-----------------|----------|-------------------|
| Division No. 2: |          |                   |
| April .....     | \$733.55 |                   |
| May .....       | 540.26   |                   |
| June .....      | 256.65   |                   |
| July .....      | 468.06   |                   |
| August .....    | 576.04   |                   |
| September ..... | 815.87   |                   |
| October .....   | 598.21   |                   |
| November .....  | 933.01   |                   |
| December .....  | .70      |                   |
|                 |          | <u>\$4,922.35</u> |

## Division No. 7:

|              |         |                 |
|--------------|---------|-----------------|
| April .....  | \$11.00 |                 |
| August ..... | 330.73  |                 |
|              |         | <u>\$341.73</u> |

## Division No. 10:

|                 |        |                 |
|-----------------|--------|-----------------|
| May .....       | \$3.75 |                 |
| June .....      | 11.00  |                 |
| July .....      | 128.83 |                 |
| August .....    | 327.62 |                 |
| September ..... | 68.75  |                 |
| October .....   | 76.42  |                 |
| November .....  | 149.50 |                 |
|                 |        | <u>\$765.87</u> |

## SUNDRIES.

|                                   |          |                 |
|-----------------------------------|----------|-----------------|
| Palmer & Garmon, stone.....       | \$623.14 |                 |
| John B. Varick Co., hardware..... | 35.61    |                 |
| A. A. Warren, kerosene oil.....   | 6.00     |                 |
|                                   |          | <u>\$664.75</u> |

|                          |  |                          |
|--------------------------|--|--------------------------|
| Total expenditures ..... |  | <u><u>\$6,694.70</u></u> |
|--------------------------|--|--------------------------|

## Scavenger Service.

|                     |                           |
|---------------------|---------------------------|
| Appropriation ..... | <u><u>\$30,000.00</u></u> |
|---------------------|---------------------------|

## EXPENDITURES.

## LABOR.

## Division No. 2:

|                 |          |
|-----------------|----------|
| January .....   | \$781.85 |
| February .....  | 1,334.87 |
| March .....     | 1,078.57 |
| April .....     | 1,162.78 |
| May .....       | 1,151.00 |
| June .....      | 1,286.37 |
| July .....      | 1,071.40 |
| August .....    | 1,273.20 |
| September ..... | 1,020.24 |
| October .....   | 1,038.59 |
| November .....  | 1,301.95 |
| December .....  | 1,108.90 |

---

 \$13,609.72

## Division No. 7:

|                 |          |
|-----------------|----------|
| January .....   | \$123.37 |
| February .....  | 214.36   |
| March .....     | 188.11   |
| April .....     | 218.74   |
| May .....       | 180.24   |
| June .....      | 163.60   |
| July .....      | 132.98   |
| August .....    | 161.85   |
| September ..... | 127.73   |
| October .....   | 129.48   |
| November .....  | 161.85   |
| December .....  | 133.00   |

---

 \$1,935.31

## Division No. 10:

|                 |          |
|-----------------|----------|
| January .....   | \$254.18 |
| February .....  | 484.92   |
| March .....     | 373.98   |
| April .....     | 345.11   |
| May .....       | 341.20   |
| June .....      | 429.92   |
| July .....      | 341.96   |
| August .....    | 422.12   |
| September ..... | 344.70   |
| October .....   | 336.58   |
| November .....  | 405.05   |
| December .....  | 340.32   |

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 \$4,420.04

## SUNDRIES.

|  |            |             |
|--|------------|-------------|
| Mrs. W. H. Bickford, contract work.....    | \$1,922.64 |             |
| Boston & Maine Railroad, freight.....      | 32.00      |             |
| John B. Clarke Co., printing blanks.....   | 15.00      |             |
| Frost Paint & Manufacturing Co., paint.... | 13.50      |             |
| Levi J. Proctor, inspector.....            | 944.97     |             |
| Ranno Saddlery Co., harnesses, etc.....    | 127.50     |             |
| J. Spencer Turner Co., cotton duck.....    | 228.75     |             |
| John B. Varick Co., rakes and shovels..... | 76.03      |             |
| Watson Wagon Co., 4 dump wagons.....       | 779.30     |             |
| J. Arthur Williams, printing slips.....    | 11.25      |             |
|  |            | \$4,150.94  |
| Total expenditures .....                   |            | \$24,116.01 |
| Transferred to unappropriated money.....   |            | 5,883.99    |
|  |            | \$30,000.00 |

## Street Sweeping.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$10,000.00 |
|---------------------|-------------|

## EXPENDITURES.

## LABOR.

|                  |          |            |
|------------------|----------|------------|
| Division No. 2:  |          |            |
| February .....   | \$75.56  |            |
| March .....      | 367.82   |            |
| April .....      | 529.16   |            |
| May .....        | 467.46   |            |
| June .....       | 734.08   |            |
| July .....       | 534.61   |            |
| August .....     | 697.05   |            |
| September .....  | 528.78   |            |
| October .....    | 599.25   |            |
| November .....   | 858.80   |            |
| December .....   | 119.00   |            |
|                  |          | \$5,511.57 |
| Division No. 10: |          |            |
| March .....      | \$126.10 |            |
| April .....      | 107.21   |            |
| May .....        | 611.75   |            |
| June .....       | 701.73   |            |
| July .....       | 139.25   |            |

|  |          |                           |
|--|----------|---------------------------|
| August .....                               | \$157.50 |                           |
| September .....                            | 116.37   |                           |
| October .....                              | 127.75   |                           |
| November .....                             | 108.75   |                           |
| December .....                             | 7.00     |                           |
|  |          | <u>\$2,203.41</u>         |
| <b>SUNDRIES.</b>                           |          |                           |
| Boston & Maine Railroad, freight.....      | \$0.83   |                           |
| William Marcotte Co., belts.....           | 2.75     |                           |
| H. M. Poirier, washing uniforms.....       | 42.75    |                           |
| H. Thompson, refilling sweepers.....       | 97.50    |                           |
| John B. Varick Co., hardware and tools.... | 90.96    |                           |
|  |          | <u>\$234.79</u>           |
| Total expenditures .....                   |          | \$7,949.77                |
| Transferred to unappropriated money.....   |          | 2,050.23                  |
|  |          | <u><u>\$10,000.00</u></u> |

### Bridges.

|                     |                          |
|---------------------|--------------------------|
| Appropriation ..... | <u><u>\$8,000.00</u></u> |
|---------------------|--------------------------|

### EXPENDITURES.

#### LABOR.

|                 |         |                 |
|-----------------|---------|-----------------|
| Division No. 2: |         |                 |
| April .....     | \$35.32 |                 |
| May .....       | 7.62    |                 |
| June .....      | 135.07  |                 |
| July .....      | 12.96   |                 |
| September ..... | 13.14   |                 |
| November .....  | 1.90    |                 |
| December .....  | 9.00    |                 |
|                 |         | <u>\$215.01</u> |
| Division No. 5: |         |                 |
| April .....     | \$1.87  |                 |
| August .....    | 5.25    |                 |
| November .....  | 3.99    |                 |
|                 |         | <u>\$11.11</u>  |
| Division No. 7: |         |                 |
| April .....     | \$3.50  |                 |
| November .....  | 30.50   |                 |
|                 |         | <u>\$34.00</u>  |
| Division No. 9: |         |                 |
| August .....    | \$13.75 |                 |
| November .....  | 7.99    |                 |
|                 |         | <u>\$21.74</u>  |

## CITY TEAMS.

69

## Division No. 10:

|               |        |
|---------------|--------|
| April .....   | \$8.00 |
| May .....     | 4.50   |
| June .....    | 9.62   |
| July .....    | 25.12  |
| August .....  | 5.50   |
| October ..... | 15.25  |

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 \$67.99

## MATERIAL AND FREIGHT.

|   |          |
|---|----------|
| Bachelor-Worcester Co., lumber.....                       | \$564.90 |
| Boston & Maine Railroad, freight and car<br>service ..... | 255.11   |
| James F. Cavanaugh, lumber.....                           | 581.67   |
| Dodge & Barnard, lumber.....                              | 619.08   |
| People's Gas-light Co., coal tar.....                     | 3.50     |
| John B. Varick Co., iron and nails.....                   | 17.64    |
| West Side Lumber Co., plank.....                          | 18.13    |

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 \$2,060.03

|  |            |
|--|------------|
| Total expenditures .....                 | \$2,409.88 |
| Transferred to unappropriated money..... | 5,590.12   |

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 \$8,000.00

## City Teams.

|   |             |
|---|-------------|
| Appropriation .....                       | \$12,000.00 |
| Received for labor and material sold..... | 379.90      |
| Transferred from unappropriated money.... | 6,249.19    |

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 \$18,629.09

## EXPENDITURES.

## LABOR.

## Division No. 2:

|                 |          |
|-----------------|----------|
| January .....   | \$549.69 |
| February .....  | 1,026.78 |
| March .....     | 874.19   |
| April .....     | 796.29   |
| May .....       | 803.94   |
| June .....      | 683.61   |
| July .....      | 650.66   |
| August .....    | 668.35   |
| September ..... | 511.24   |
| October .....   | 594.02   |
| November .....  | 766.40   |
| December .....  | 369.90   |

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 \$8,295.07



## Division No. 10:

|                 |         |
|-----------------|---------|
| January .....   | \$45.00 |
| February .....  | 75.18   |
| March .....     | 71.37   |
| April .....     | 99.24   |
| May .....       | 58.12   |
| June .....      | 65.25   |
| July .....      | 65.50   |
| August .....    | 61.25   |
| September ..... | 47.25   |
| October .....   | 48.12   |
| November .....  | 64.75   |

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 \$701.03

## HAY, GRAIN AND STRAW.

|                         |          |
|-------------------------|----------|
| Ame & Co.....           | \$15.00  |
| Arthur S. Brown .....   | 3,001.28 |
| John A. Hanson .....    | 14.75    |
| F. H. Masse & Co.....   | 908.42   |
| McQuestion & Lewis..... | 647.13   |

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 \$4,586.58

## HARNESS AND REPAIRS.

|                        |         |
|------------------------|---------|
| Oliver Comire .....    | \$42.65 |
| W. L. Comire.....      | 169.25  |
| Ranno Saddlery Co..... | 109.85  |
| Joseph Vogel & Co..... | 32.25   |

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 \$354.00

## HARDWARE AND TOOLS.

|                        |            |
|------------------------|------------|
| John B. Varick Co..... | \$1,086.28 |
|------------------------|------------|

## LIVESTOCK AND VETERINARY EXPENSES.

|   |         |
|---|---------|
| Mrs. W. H. Bickford, 6 hogs.....                          | \$86.40 |
| Cavanaugh Bros., 2 horses.....                            | 600.00  |
| Cavanaugh Bros., difference in exchange of<br>mules ..... | 175.00  |
| J. S. Golden, V. S., services and medicine....            | 70.00   |
| F. K. Hubbard, medicines, etc.....                        | 18.00   |
| A. J. Precourt, salts.....                                | 1.00    |

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 \$950.40

## FUEL, FREIGHT, LIGHTS, WATER.

|                                       |          |
|---------------------------------------|----------|
| L. B. Bodwell & Co., coal.....        | \$336.87 |
| Boston & Maine Railroad, freight..... | 11.42    |

|   |         |          |
|---|---------|----------|
| Manchester Traction, Light & Power Co.,<br>lights at city farm..... | \$58.49 |          |
| People's Gas-light Co., gas, city stables.....                      | 211.64  |          |
| Water commissioners, use of water.....                              | 75.50   |          |
|   | <hr/>   | \$693.92 |

LUMBER, REPAIRS, ETC.

|   |        |          |
|---|--------|----------|
| Bachelor-Worcester Co., sawdust.....                  | \$1.00 |          |
| Cavanaugh Bros., lumber, and freight on<br>same ..... | 87.46  |          |
| S. P. Dodge Co., wheels, yokes, etc.....              | 76.57  |          |
| A. L. Dyer, leather.....                              | 1.00   |          |
| H. B. Fairbanks, fertilizer.....                      | 193.80 |          |
| Head & Dowst Co., lumber and labor.....               | 33.79  |          |
| Hubbard Sash & Blind Factory, lumber....              | 10.05  |          |
| J. Hodge, window sash.....                            | .96    |          |
| Pike & Heald Co., pipe, copper tank, etc....          | 25.31  |          |
| West Side Lumber Co., lumber and labor....            | 127.88 |          |
|   | <hr/>  | \$557.82 |

SUNDRIES.

|   |          |                         |
|---|----------|-------------------------|
| Burke Bros., matches, soap, etc.....                        | \$1.56   |                         |
| Committee on city farm, rent of land and<br>buildings ..... | 1,020.00 |                         |
| D. F. Cronin, spraying trees, city farm....                 | 33.86    |                         |
| Everett & Bunton, insurance premium.....                    | 20.00    |                         |
| Rev. G. A. Guertin, standing grass.....                     | 50.00    |                         |
| F. W. Leeman, lining and towelling.....                     | 7.05     |                         |
| McKelvie Bros., stove, pipe and grate.....                  | 24.80    |                         |
| Frank T. Moore, 3 sets sleds.....                           | 135.00   |                         |
| H. W. Parker, salt, soap and oatmeal.....                   | 18.09    |                         |
| Red Top Cigar Co., stems.....                               | 9.00     |                         |
| Standard Oil Co., oil.....                                  | 3.38     |                         |
| A. A. Warren, kerosene oil.....                             | 46.25    |                         |
| Winchester Tar Disinfectant Co., disin-<br>fectant .....    | 35.00    |                         |
|   | <hr/>    | \$1,403.99              |
| Total expenditures .....                                    |          | <hr/> <hr/> \$18,629.09 |

Repairs of Sewers.

|   |            |             |
|---|------------|-------------|
| Appropriation .....                       | \$5,000.00 |             |
| Received for labor and material sold..... | 359.25     | /           |
| Transferred from unappropriated money...  | 71.89      |             |
|   | <hr/>      | \$5,431.14  |
|   |            | <hr/> <hr/> |

## EXPENDITURES.

## LABOR.

## Division No. 2:

|                 |         |
|-----------------|---------|
| January .....   | \$23.04 |
| February .....  | 187.46  |
| March .....     | 352.22  |
| April .....     | 129.54  |
| May .....       | 172.81  |
| June .....      | 149.05  |
| July .....      | 237.14  |
| August .....    | 286.54  |
| September ..... | 182.84  |
| October .....   | 579.15  |
| November .....  | 638.06  |
| December .....  | .62     |

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 \$2,938.47

## Division No. 7:

|               |         |
|---------------|---------|
| March .....   | \$70.00 |
| October ..... | 10.50   |

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 \$80.50

## Division No. 10:

|                 |         |
|-----------------|---------|
| January .....   | \$59.50 |
| February .....  | 103.74  |
| March .....     | 28.30   |
| April .....     | 26.25   |
| May .....       | 159.73  |
| June .....      | 200.36  |
| August .....    | 202.59  |
| September ..... | 88.87   |
| October .....   | 9.18    |
| November .....  | 117.24  |

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 \$995.76

## MATERIAL, LABOR, ETC.

|  |          |
|--|----------|
| Charles A. Bailey, curbing.....                      | \$248.50 |
| Harold L. Bond Co., hose and couplings....           | 48.20    |
| Boston & Maine Railroad, freight.....                | 12.21    |
| Concord Foundry & Machine Co., castings..            | 442.85   |
| W. F. Head & Son, brick.....                         | 91.38    |
| Wenry W. Parker, cement and salt.....                | 510.70   |
| Pike & Heald Co., 1 tee.....                         | .54      |
| Sessions Foundry Co., crates for castings...         | 6.67     |
| John B. Varick Co., hardware.....                    | 31.16    |
| A. A. Warren, oil.....                               | 12.00    |
| Smith & Johnson, material and labor on<br>pump ..... | 12.20    |

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 \$1,416.41

Total expenditures .....

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 \$5,431.14
 

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## New Sewers.

|   |             |                    |
|---|-------------|--------------------|
| Appropriation .....                       | \$40,000.00 |                    |
| Received for labor and material sold..... | 4,467.63    |                    |
| Transferred from unappropriated money...  | 200.10      |                    |
|   |             | <u>\$44,667.73</u> |

## EXPENDITURES.

## LABOR.

|                  |          |                    |
|------------------|----------|--------------------|
| Division No. 2:  |          |                    |
| January .....    | \$42.59  |                    |
| March .....      | 15.75    |                    |
| May .....        | 73.69    |                    |
| June .....       | 1,719.26 |                    |
| July .....       | 3,111.82 |                    |
| August .....     | 3,150.84 |                    |
| September .....  | 2,724.99 |                    |
| October .....    | 1,520.18 |                    |
| November .....   | 1,392.42 |                    |
| December .....   | .44      |                    |
|                  |          | <u>\$13,751.98</u> |
| Division No. 7:  |          |                    |
| January .....    | \$356.86 |                    |
| February .....   | 151.62   |                    |
| May .....        | 23.25    |                    |
| June .....       | 75.50    |                    |
| July .....       | 239.75   |                    |
| August .....     | 726.20   |                    |
| September .....  | 1,050.23 |                    |
| October .....    | 1,026.78 |                    |
| November .....   | 569.46   |                    |
|                  |          | <u>\$4,219.65</u>  |
| Division No. 10: |          |                    |
| January .....    | \$313.65 |                    |
| February .....   | 16.50    |                    |
| March .....      | 44.68    |                    |
| April .....      | 31.50    |                    |
| May .....        | 13.50    |                    |
| June .....       | 473.55   |                    |
| July .....       | 1,232.50 |                    |
| August .....     | 1,041.36 |                    |
| September .....  | 1,431.83 |                    |
| October .....    | 1,792.43 |                    |
| November .....   | 1,696.74 |                    |
|                  |          | <u>\$8,088.24</u>  |

## HARDWARE, SEWER PIPE, ETC.

|   |          |                    |
|---|----------|--------------------|
| American Locomotive Co., plates, pins, etc.,<br>and labor ..... | \$15.50  |                    |
| Amoskeag Manufacturing Co., felt.....                           | 1.80     |                    |
| Harold L. Bond Co., hose and couplings....                      | 246.10   |                    |
| Carson Trench Machine Co., 400 feet cable-<br>way .....         | 2,135.00 |                    |
| Concord Foundry & Machine Co., iron cast-<br>ings .....         | 1,158.10 |                    |
| G. W. Dodge Shoe Co., rubber boots.....                         | 45.00    |                    |
| Eastern Clay Goods Co., sewer pipe.....                         | 5,765.26 |                    |
| Frost Paint & Manufacturing Co., paint....                      | 6.75     |                    |
| Good Roads Machinery Co., supplies.....                         | 37.71    |                    |
| Hanscom Construction Co., labor.....                            | 55.95    |                    |
| Manchester Machine Works, repairing bat-<br>tery .....          | 1.20     |                    |
| Manchester Hardware Co., forks.....                             | 18.00    |                    |
| F. F. Osgood, rubber mittens.....                               | 2.00     |                    |
| H. W. Parker, oatmeal and bags.....                             | 3.25     |                    |
| Pike & Heald Co., pipe, etc.....                                | 31.72    |                    |
| Standard Oil Co., oil.....                                      | 20.94    |                    |
| W. C. Spear, gasoline.....                                      | .75      |                    |
| Smith & Johnson, repairs, pump, and en-<br>gine .....           | 6.70     |                    |
| Texas Co., gasoline and kerosene oil.....                       | 48.10    |                    |
| John B. Varick Co., hardware and tools....                      | 1,773.72 |                    |
| A. A. Warren, kerosene oil and gasoline....                     | 18.25    |                    |
|   |          | <u>\$11,391.80</u> |

## BRICK, CEMENT, LUMBER.

|                                   |          |                   |
|-----------------------------------|----------|-------------------|
| B. F. Greer, lumber.....          | \$520.39 |                   |
| W. F. Head & Son, brick.....      | 1,016.54 |                   |
| H. W. Parker, cement.....         | 253.73   |                   |
| West Side Lumber Co., lumber..... | 860.99   |                   |
|                                   |          | <u>\$2,651.65</u> |

## SUNDRIES.

|  |            |                   |
|--|------------|-------------------|
| Boston & Maine Railroad, freight.....                    | \$4,505.17 |                   |
| John Frain, loss of time due to accident...              | 21.00      |                   |
| John B. Hall Co., medical supplies.....                  | 7.35       |                   |
| F. L. Noyes, repairing barn damaged by<br>blasting ..... | 1.23       |                   |
| S. B. Stearns, insurance premium.....                    | 23.66      |                   |
| G. F. Wenzel, labor on pump.....                         | 6.00       |                   |
|  |            | <u>\$4,564.41</u> |

|                          |                           |
|--------------------------|---------------------------|
| Total expenditures ..... | <u><u>\$44,667.73</u></u> |
|--------------------------|---------------------------|



## Commons.

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$4,500.00 |
|---------------------|------------|

## EXPENDITURES.

## LABOR.

|                                    |          |            |
|------------------------------------|----------|------------|
| January .....                      | \$101.27 |            |
| February .....                     | 181.98   |            |
| March .....                        | 115.46   |            |
| April .....                        | 162.26   |            |
| May .....                          | 162.15   |            |
| June .....                         | 220.76   |            |
| July .....                         | 182.87   |            |
| August .....                       | 211.02   |            |
| September .....                    | 171.55   |            |
| October .....                      | 196.01   |            |
| November .....                     | 202.23   |            |
| December .....                     | 22.68    |            |
|                                    | <hr/>    |            |
|                                    |          | \$1,930.24 |
| John Seastrom, superintendent..... |          | \$810.00   |

## ELECTRIC LIGHTS AND WATER.

|  |         |          |
|--|---------|----------|
| Manchester Traction, Light & Power Co.,<br>electric lights ..... | \$33.00 |          |
| Water commissioners, use of water.....                           | 708.69. |          |
|  | <hr/>   |          |
|  |         | \$741.69 |

## SUNDRIES.

|   |        |          |
|---|--------|----------|
| Boston & Maine Railroad, freight.....                     | \$7.20 |          |
| W. G. Berry, insurance premium.....                       | 5.00   |          |
| F. J. Bixby, flowers.....                                 | 182.90 |          |
| D. F. Cronin, spraying trees.....                         | 526.38 |          |
| H. B. Fairbanks, fertilizer.....                          | 79.80  |          |
| Head & Dowst Co., lumber and labor.....                   | 6.24   |          |
| Manchester Traction, Light & Power Co.,<br>supplies ..... | 34.32  |          |
| J. H. Mendell Co., lumber.....                            | 20.57  |          |
| Pike & Heald Co., pipe, couplings, etc.....               | 9.55   |          |
| G. W. Spaulding, repairing harness.....                   | 2.80   |          |
| John B. Varick Co., paint, hardware and<br>tools .....    | 51.46  |          |
| West Side Lumber Co., lumber.....                         | 18.40  |          |
|   | <hr/>  |          |
|   |        | \$944.62 |

|  |             |
|--|-------------|
| Total expenditures .....                 | \$4,426.55  |
| Transferred to unappropriated money..... | 73.45       |
|  | <hr/>       |
|  | \$4,500.00  |
|  | <hr/> <hr/> |

## Derryfield Park.

|                                 |            |            |
|---------------------------------|------------|------------|
| Appropriation .....             | \$1,000.00 |            |
| Received from observatory ..... | 15.50      |            |
|                                 |            | \$1,015.50 |

## EXPENDITURES.

## LABOR.

|                 |         |          |
|-----------------|---------|----------|
| January .....   | \$50.82 |          |
| February .....  | 74.83   |          |
| March .....     | 80.78   |          |
| April .....     | 39.90   |          |
| May .....       | 24.84   |          |
| June .....      | 69.44   |          |
| July .....      | 153.08  |          |
| August .....    | 83.61   |          |
| September ..... | 81.69   |          |
| October .....   | 87.12   |          |
| November .....  | 23.73   |          |
| December .....  | 18.90   |          |
|                 |         | \$788.74 |

## SUNDRIES.

|  |         |            |
|--|---------|------------|
| F. J. Bixby, flowers.....                  | \$38.10 |            |
| D. F. Cronin, spraying trees.....          | 54.73   |            |
| John A. Sheehan, insurance premium.....    | 6.00    |            |
| John B. Varick Co., hardware and tools.... | 83.54   |            |
| Water commissioners, use of water.....     | 27.00   |            |
|  |         | \$209.37   |
| Total expenditures .....                   |         | \$998.11   |
| Transferred to unappropriated money.....   |         | 17.39      |
|  |         | \$1,015.50 |

## Stark Park.

|                     |            |  |
|---------------------|------------|--|
| Appropriation ..... | \$2,000.00 |  |
|---------------------|------------|--|

## EXPENDITURES.

## LABOR.

|                |        |
|----------------|--------|
| January .....  | \$7.14 |
| February ..... | 7.28   |
| March .....    | 14.42  |
| April .....    | 16.17  |

LAFAYETTE PARK.

77

|                 |          |                 |
|-----------------|----------|-----------------|
| May .....       | \$120.36 |                 |
| June .....      | 110.34   |                 |
| July .....      | 91.89    |                 |
| August .....    | 169.79   |                 |
| September ..... | 108.92   |                 |
| October .....   | 42.87    |                 |
| November .....  | 122.67   |                 |
| December .....  | 10.92    |                 |
|                 |          | <u>\$822.77</u> |

SUNDRIES.

|   |         |                 |
|---|---------|-----------------|
| F., J. Bixby, flowers.....                    | \$75.08 |                 |
| Boston & Maine Railroad, freight.....         | 2.00    |                 |
| D. F. Cronin, spraying trees.....             | 33.96   |                 |
| Pike & Heald Co., hose bibb.....              | 1.75    |                 |
| Steel Protected Concrete Co., bars and frogs, | 62.40   |                 |
| John B. Varick Co., paint and hardware....    | 12.81   |                 |
| Water commissioners, use of water.....        | 12.00   |                 |
|   |         | <u>\$200.00</u> |

|                                 |            |                          |
|---------------------------------|------------|--------------------------|
| Total expenditures .....        | \$1,022.77 |                          |
| Transferred to new account..... | 977.23     |                          |
|                                 |            | <u><u>\$2,000.00</u></u> |

Lafayette Park.

|  |            |                   |
|--|------------|-------------------|
| Appropriation .....                      | \$7,000.00 |                   |
| Transferred from unappropriated money... | 786.42     |                   |
|  |            | <u>\$7,786.42</u> |

EXPENDITURES.

LABOR.

|                   |          |                   |
|-------------------|----------|-------------------|
| Division No. 2:   |          |                   |
| August .....      | \$32.06  |                   |
| September .....   | 8.63     |                   |
|                   |          | <u>\$40.69</u>    |
| Division No. 10:  |          |                   |
| June .....        | \$3.50   |                   |
| July .....        | 129.84   |                   |
| August .....      | 1,329.95 |                   |
| September .....   | 1,166.85 |                   |
| October .....     | 249.74   |                   |
| November .....    | 67.25    |                   |
|                   |          | <u>\$2,947.13</u> |
| Peter Groux ..... |          | \$131.10          |

## SUNDRIES.

|  |          |                          |
|--|----------|--------------------------|
| Boston & Maine Railroad, freight.....                            | \$0.67   |                          |
| Brodie Electric & Auto Co., labor on gas engine .....            | 1.50     |                          |
| Samuel Cabot, supplies.....                                      | 27.32    |                          |
| Concord Foundry & Machine Co., castings..                        | 44.00    |                          |
| Hanscom Construction Co., material and labor .....               | 3,685.52 |                          |
| Manchester Traction, Light & Power Co., batteries and labor..... | 2.00     |                          |
| Henry W. Parker, cement.....                                     | 336.17   |                          |
| Wm. H. Perry Co., steel.....                                     | 9.28     |                          |
| Pike & Heald Co., pipe, etc.....                                 | 6.37     |                          |
| Standard Oil Co., gasoline.....                                  | 3.95     |                          |
| Texas Co., gasoline.....   | 4.40     |                          |
| John B. Varick Co., pipe, nails, iron, etc....                   | 245.06   |                          |
| West Side Lumber Co., lumber.....                                | 301.26   |                          |
|  |          | <u>\$4,667.50</u>        |
| Total expenditures .....   |          | <u><u>\$7,786.42</u></u> |

## Miscellaneous Playgrounds.

|  |          |                 |
|--|----------|-----------------|
| Appropriation .....                      | \$300.00 |                 |
| Transferred from unappropriated money... | 176.51   |                 |
|  |          | <u>\$476.51</u> |

## EXPENDITURES.

## LABOR.

|                 |         |                 |
|-----------------|---------|-----------------|
| Commons:        |         |                 |
| April .....     | \$5.39  |                 |
| May .....       | 1.75    |                 |
| June .....      | 7.00    |                 |
| September ..... | 8.89    |                 |
|                 |         | <u>\$23.03</u>  |
| Division No. 2: |         |                 |
| May .....       | \$29.00 |                 |
| June .....      | 32.65   |                 |
| July .....      | 70.66   |                 |
| August .....    | 6.79    |                 |
| October .....   | 1.76    |                 |
| November .....  | 6.10    |                 |
|                 |         | <u>\$146.96</u> |

SUNDRIES.

|  |        |                        |
|--|--------|------------------------|
| Amoskeag Manufacturing Co., rent of land..                       | \$1.00 |                        |
| Boston & Maine Railroad, freight.....                            | .70    |                        |
| Manchester Traction, Light & Power Co.,<br>poles and labor ..... | 22.88  |                        |
| J. H. Mendell Co., boards.....                                   | 10.40  |                        |
| Narragansett Machine Co., 1 slide.....                           | 60.00  |                        |
| F. E. Nelson, pails and shovels.....                             | 1.80   |                        |
| Robie Consolidated Concrete Co., concrete..                      | 110.00 |                        |
| John B. Varick Co., nails, wire, etc.....                        | 47.12  |                        |
| Water commissioners, use of water.....                           | 29.07  |                        |
| West Side Lumber Co., boards.....                                | 23.55  |                        |
|  |        | <u>\$306.52</u>        |
| Total expenditures .....   |        | <u><u>\$476.51</u></u> |

City Yard.

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$6,000.00 |
|---------------------|------------|

EXPENDITURES.

LABOR.

|                 |         |                |
|-----------------|---------|----------------|
| Division No. 2: |         |                |
| April .....     | \$47.00 |                |
| June .....      | 31.49   |                |
|                 |         | <u>\$78.49</u> |

SUNDRIES.

|   |            |                          |
|---|------------|--------------------------|
| Amoskeag Manufacturing Co., on account of land..... | \$5,000.00 |                          |
| Total expenditures .....                            | \$5,078.49 |                          |
| Transferred to unappropriated money.....            | 921.51     |                          |
|   |            | <u><u>\$6,000.00</u></u> |

Brown-Tail and Gypsy Moth.

|                                   |            |                   |
|-----------------------------------|------------|-------------------|
| Appropriation .....               | \$6,000.00 |                   |
| Received for labor and taxes..... | 1,080.54   |                   |
|                                   |            | <u>\$7,080.54</u> |

EXPENDITURES.

LABOR.

|                             |            |  |
|-----------------------------|------------|--|
| Division No. 2:             |            |  |
| April .....                 | \$13.05    |  |
| D. F. Cronin, contract..... | \$5,818.75 |  |

## REPORT OF THE CITY AUDITOR.

## INSPECTORS ON PRIVATE AND CONTRACT WORK.

|                       |          |
|-----------------------|----------|
| W. E. Blake.....      | \$91.65  |
| John A. Connolly..... | 52.50    |
| Harry T. George.....  | 146.40   |
| B. F. Hughes.....     | 76.20    |
| F. B. Kimball.....    | 110.70   |
| George Manning .....  | 98.40    |
| John F. Murphy.....   | 112.50   |
| Peter O'Rielly .....  | 104.33   |
|                       | <hr/>    |
|                       | \$792.68 |

## TAX ABATEMENTS.

|                            |         |
|----------------------------|---------|
| Frank Bond .....           | \$0.25  |
| G. P. James, estate.....   | .72     |
| James A. Folsom.....       | .77     |
| Daniel Fitzgerald .....    | 4.50    |
| Henry Leonard .....        | 1.55    |
| John McDermott .....       | .62     |
| Normand Smith .....        | .41     |
| Mrs. Nettie Towle.....     | 3.11    |
| Rufus Wilkinson .....      | .61     |
| Mrs. Parmelia Webster..... | 5.00    |
|                            | <hr/>   |
|                            | \$17.54 |

## SUNDRIES.

|   |          |
|---|----------|
| Boston & Maine Railroad, freight.....         | \$7.50   |
| John B. Clarke Co., printing and advertising, | 42.60    |
| E. H. Chadbourne, stamps and envelopes....    | 66.20    |
| L. W. Howard, smudge pots.....                | 23.00    |
| Grover Pike, sending out notices.....         | 4.78     |
| Standard Oil Co., petroleum fuel oil.....     | 41.47    |
| Union Publishing Co., advertising.....        | 14.82    |
| John B. Varick Co., arsenate of lead.....     | 95.50    |
|   | <hr/>    |
|   | \$295.87 |

|  |            |
|--|------------|
| Total expenditures .....                 | \$6,937.89 |
| Transferred to unappropriated money..... | 142.65     |

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\$7,080.54

## Cutting and Trimming Trees.

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,000.00 |
|---------------------|------------|

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## EXPENDITURES.

## LABOR.

|                 |         |                 |
|-----------------|---------|-----------------|
| Division No. 2: |         |                 |
| April .....     | \$32.65 |                 |
| May .....       | 13.72   |                 |
| June .....      | 53.78   |                 |
| July .....      | 22.64   |                 |
| August .....    | 155.82  |                 |
| September ..... | 93.01   |                 |
| October .....   | 292.91  |                 |
| November .....  | 282.98  |                 |
|                 |         | <u>\$947.51</u> |

## SUNDRIES.

|   |        |                   |
|---|--------|-------------------|
| Head & Dowst Co., glass and labor.....                  | \$4.20 |                   |
| Hubbard Sash & Blind Factory, repairing<br>blinds ..... | 1.04   |                   |
| J. B. McCrillis & Son, grinding axe.....                | .30    |                   |
| H. A. Piper, filing saws.....                           | 1.15   |                   |
| John B. Varick Co., hardware and tools....              | 21.41  |                   |
|   |        | <u>\$28.10</u>    |
| Total expenditures .....                                |        | <u>\$975.61</u>   |
| Transferred to unappropriated money.....                |        | 24.39             |
|   |        | <u>\$1,000.00</u> |

## Playground in Ward 8.

|  |          |                 |
|--|----------|-----------------|
| Appropriation .....                      | \$100.00 |                 |
| Transferred from unappropriated money... | 34.80    |                 |
|  |          | <u>\$134.80</u> |

## EXPENDITURES.

## LABOR.

|                 |  |         |
|-----------------|--|---------|
| Division No. 2: |  |         |
| May .....       |  | \$31.19 |

## SUNDRIES.

|  |         |                 |
|--|---------|-----------------|
| Manchester Traction, Light & Power Co.,<br>poles ..... | \$24.50 |                 |
| Robie Consolidated Concrete Co., concrete..            | 72.83   |                 |
| John B. Varick Co., nails.....                         | 1.28    |                 |
| West Side Lumber Co., squaring poles.....              | 5.00    |                 |
|  |         | <u>\$103.61</u> |
| Total expenditures .....                               |         | <u>\$134.80</u> |

## Lighting Streets.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$64,500 00 |
|---------------------|-------------|

## EXPENDITURES.

## Manchester Traction, Light &amp; Power Co.:

|                 |            |
|-----------------|------------|
| January .....   | \$4,597.62 |
| February .....  | 4,606.19   |
| March .....     | 4,607.15   |
| April .....     | 4,607.15   |
| May .....       | 5,176.62   |
| June .....      | 5,177.95   |
| July .....      | 5,177.95   |
| August .....    | 5,177.95   |
| September ..... | 5,177.95   |
| October .....   | 5,177.95   |
| November .....  | 5,177.95   |
| December .....  | 5,182.57   |

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\$59,845.00

|                              |      |
|------------------------------|------|
| Less discount, February..... | 7.51 |
|------------------------------|------|

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\$59,837.49

## GAS.

## Welsbach Street Lighting Co.:

|                |          |
|----------------|----------|
| January .....  | \$609.16 |
| February ..... | 609.16   |
| March .....    | 608.05   |
| April .....    | 947.57   |
| May .....      | 474.37   |

---

\$3,248.31

## ARCHES.

## Manchester Traction, Light &amp; Power Co.:

|                 |          |
|-----------------|----------|
| January .....   | \$127.50 |
| February .....  | 168.50   |
| March .....     | 127.50   |
| April .....     | 85.50    |
| May .....       | 91.50    |
| June .....      | 69.00    |
| July .....      | 76.50    |
| August .....    | 66.00    |
| September ..... | 69.00    |
| October .....   | 138.00   |
| November .....  | 98.10    |
| December .....  | 100.20   |

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\$1,217.30

## Manchester Traction, Light &amp; Power Co.,

|             |        |
|-------------|--------|
| lamps ..... | \$7.16 |
|-------------|--------|

## SUNDRIES.

|  |        |                    |
|--|--------|--------------------|
| Boyd Bros., use of team.....               | \$5.00 |                    |
| W. J. Freeman, use of hack.....            | 5.00   |                    |
| Manchester Auto Garage, use of automobile, | 5.00   |                    |
|  |        | <u>\$15.00</u>     |
| Total expenditures .....                   |        | \$64,325.26        |
| Transferred to unappropriated money.....   |        | 174.74             |
|  |        | <u>\$64,500.00</u> |

## Engineer's Department.

|                                      |            |                   |
|--------------------------------------|------------|-------------------|
| Appropriation .....                  | \$9,000.00 |                   |
| Received for labor and material..... | 170.72     |                   |
|                                      |            | <u>\$9,170.72</u> |

## EXPENDITURES.

## LABOR.

|                                       |            |                   |
|---------------------------------------|------------|-------------------|
| Samuel J. Lord, general engineer..... | \$1,099.92 |                   |
| Omer G. Coffin.....                   | 112.00     |                   |
| Harrie H. Clement.....                | 30.60      |                   |
| Alfred T. Dodge.....                  | 938.98     |                   |
| Harold I. Davis.....                  | 52.50      |                   |
| Harry B. Dore.....                    | 276.30     |                   |
| Glen B. Eastman.....                  | 466.40     |                   |
| Mark Farmer.....                      | 25.17      |                   |
| Frank A. Gay.....                     | 59.25      |                   |
| Harry T. George.....                  | 78.08      |                   |
| Charles E. Hammond.....               | 156.75     |                   |
| Harold M. Haskell.....                | 606.67     |                   |
| Edson W. Keith.....                   | 255.30     |                   |
| John J. McAllister, Jr.....           | 532.10     |                   |
| Frank L. McAllister.....              | 418.25     |                   |
| Lawrence O'Connor .....               | 585.13     |                   |
| George Prince .....                   | 10.13      |                   |
| Royden E. Reed.....                   | 11.88      |                   |
| Harry Stevens .....                   | 96.00      |                   |
| George W. Wales.....                  | 1,216.80   |                   |
| Henry Worthen .....                   | 796.35     |                   |
| Horace Wyman .....                    | 123.47     |                   |
| Harrie M. Young.....                  | 774.40     |                   |
|                                       |            | <u>\$8,722.43</u> |

## SUPPLIES AND OFFICE EXPENSES.

|  |            |
|--|------------|
| C. L. Berger & Sons, repairing, cleaning and adjusting instruments ..... | \$20.95    |
| E. M. Bryant & Co., batteries.....                                       | .50        |
| Carlton Supply Co., paper.....   | 2.45       |
| John B. Clarke Co., printing 300 reports....                             | 45.50      |
| John B. Clarke Co., binding, etc.....                                    | 9.75       |
| A. T. Dodge, paid carfare.....   | .90        |
| Farrell Bros., lamps, shade, bracket, labor..                            | 10.93      |
| Fairbanks Co., molds.....  | 48.50      |
| Frank L. Geiger, 1 punch.....  | 2.50       |
| W. & L. E. Gurley, repairing level, etc....                              | 13.65      |
| Harry Gould, benchmark report.....                                       | 12.00      |
| Heath's shoe store, rubber boots.....                                    | 4.50       |
| C. A. Hoitt Co., repairing shade.....                                    | .40        |
| Ideal Stamp Co., 1 printing outfit.....                                  | 1.00       |
| Manchester Hardware Co., tools.....                                      | .55        |
| Melvin & Fitts, guides, indexes, clips, etc...                           | 27.31      |
| J. J. McAllister, Jr., cash paid for express, carfares, etc.....         | 5.65       |
| F. H. McArdle, penholders, pencils, inkstands .....                      | 11.25      |
| C. F. McCarthy, painting signs.....                                      | 25.70      |
| New England Telephone & Telegraph Co., use of telephone.....             | 26.54      |
| Pike & Heald Co., 2 tin cases, and repairs...                            | 2.15       |
| E. G. Soltmann, supplies.....  | 89.95      |
| Louis D. Richardson, 1 tape grip.....                                    | .85        |
| Remington Typewriter Co., repairing machine .....                        | 16.74      |
| Temple & Farrington Co., binding books....                               | 2.55       |
| Technical Supply Co., 1 odometer.....                                    | 4.50       |
| Joseph Vogel & Co., painting wagon, and repairs .....                    | 40.00      |
| John Wiley & Sons, supplies.....   | 2.50       |
| J. Arthur Williams, printing cards, etc....                              | 7.75       |
|  | \$437.52   |
| Total expenditures .....   | \$9,159.95 |
| Transferred to unappropriated money.....                                 | 10.77      |
|  | \$9,170.72 |

## Health Department.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$20,000.00 |
|---------------------|-------------|

## HEALTH DEPARTMENT.

85

## EXPENDITURES.

## SERVICES.

|   |          |                   |
|---|----------|-------------------|
| Gustave Lafontaine, M. D., salary as member of board..... | \$200.00 |                   |
| W. K. Robbins, salary as member of board..                | 200.00   |                   |
| Wm. J. Starr, salary as member of board..                 | 200.00   |                   |
| Wm. B. Blake, sanitary inspector.....                     | 999.99   |                   |
| Joseph X. Duval, sanitary inspector.....                  | 560.25   |                   |
| John F. Looney, sanitary inspector.....                   | 999.99   |                   |
| Carl O. Seaman, plumbing and milk inspector .....         | 1,100.04 |                   |
| M. Alma Fracker, clerk.....                               | 650.00   |                   |
|   |          | <u>\$4,910.27</u> |

## PRINTING AND STATIONERY.

|  |          |                 |
|--|----------|-----------------|
| John B. Clarke Co., printing.....  | \$290.80 |                 |
| W. P. Goodman, books and stationery.....   | 10.16    |                 |
| Frank F. Lisiecki, printing cards in English, French, German, Swedish, Greek, and Polish ..... | 27.50    |                 |
| L'Avenir National, printing cards.....   | 15.00    |                 |
| E. A. Stratton Co., tags.....  | 4.50     |                 |
|  |          | <u>\$347.96</u> |

## TEAMS AND CARFARES.

|                         |         |                 |
|-------------------------|---------|-----------------|
| W. B. Blake .....       | \$25.85 |                 |
| Lester W. Brooks.....   | 2.00    |                 |
| Edward L. Bohan.....    | 10.00   |                 |
| Charles Boisclair ..... | 2.00    |                 |
| Burke & French.....     | 2.00    |                 |
| Joseph X. Duval.....    | 6.85    |                 |
| J. D. French.....       | 71.00   |                 |
| W. J. Freeman.....      | 46.00   |                 |
| H. H. Lamoureux.....    | 2.00    |                 |
| E. G. Libbey.....       | 6.00    |                 |
| John F. Looney.....     | 22.30   |                 |
| Roy & Gadbois.....      | 14.00   |                 |
| Carl O. Seaman.....     | 25.50   |                 |
|                         |         | <u>\$235.50</u> |

## OFFICE EXPENSES AND SUPPLIES.

|  |         |
|--|---------|
| American Express Co., express charges.....           | \$15.53 |
| W. B. Blake, oil, keys, rubber tubing.....           | .80     |
| Bausch & Lomb Optical Co., laboratory supplies ..... | 39.92   |

|   |          |            |
|---|----------|------------|
| E. M. Bryant & Co., electric material and labor .....                             | \$31.33  |            |
| Carter, Rice & Co., gummed paper.....   | 22.50    |            |
| Herbert Dunnington, antitoxin, etc.....   | 647.16   |            |
| Eastern Drug Co., peroxide hydrogen.....  | 5.75     |            |
| Eimer & Amend, refractometer immersion and chemical apparatus.....                | 115.00   |            |
| M. A. Fracker, cash paid for laundry, postage, express, freight, etc.....         | 41.65    |            |
| L. M. Folsom, crash.....  | 1.50     |            |
| A. L. Franks & Co., electric supplies, and labor .....                            | 6.86     |            |
| Granite State Rubber Co., bands and tubing,                                       | 1.00     |            |
| Peter Gray & Sons, milk collecting outfit...                                      | 30.75    |            |
| John B. Hall Co., antitoxin.....  | 13.34    |            |
| C. A. Hoitt Co., folding chairs.....  | 5.10     |            |
| International Instrument Co., milk-test supplies .....                            | 73.75    |            |
| Leblanc & Provencher, antitoxin.....  | 3.33     |            |
| J. F. Looney, registered letter.....  | .10      |            |
| Manchester Coal & Ice Co., ice.....   | 20.82    |            |
| Manchester Hardware Co., paint and varnish  | 3.37     |            |
| Manchester Traction, Light & Power Co., tops for stoves, lights, and repairs..... | 6.30     |            |
| Manseau & Grimard, copper and labor.....  | 1.50     |            |
| J. A. Marshall, antitoxin.....  | 5.00     |            |
| Melvin & Fitts, cabinets and supplies.....  | 76.35    |            |
| F. H. McArdle, inkwell, and pencils.....  | 2.00     |            |
| New England Telephone & Telegraph Co., use of telephones.....                     | 85.67    |            |
| People's Gas-light Co., gas.....  | 10.01    |            |
| J. H. Rhodes, formaldehyde sprinkler, etc..                                       | 5.30     |            |
| C. O. Seaman, expenses to Boston and Concord, and supplies for laboratory.....    | 15.44    |            |
| Schieffelin & Co., formaldehyde.....  | 139.60   |            |
| James A. Scully, desk and chair.....  | 16.00    |            |
| H. G. Seaman, lumber, hardware, labor.....  | 48.91    |            |
| John B. Varick Co., alcohol, matches, rope, etc. ....                             | 70.43    |            |
| John B. Varick Co., 1 safe.....   | 85.00    |            |
| Walsh & Cummings, antitoxin and supplies,   | 1,141.27 |            |
| N. J. Whalen, 2 leather bags.....   | 9.00     |            |
|   |          | \$2,797.34 |
| PEST HOUSE.   |          |            |
| Adams Bros., lime and cement.....   | \$16.25  |            |
| W. E. Dunbar & Sons, coal and wood.....   | 12.25    |            |



|   |          |
|---|----------|
| F. D. Leighton, heating, per contract.....                        | \$266.00 |
| F. D. Leighton, supplies.....                                     | 44.15    |
| Manchester Traction, Light & Power Co.,<br>electric lights .....  | 12.00    |
| John Muir, lumber.....  | 12.56    |
| New England Telephone & Telegraph Co.,<br>telephone service ..... | 25.00    |
| A. D. Sherer, labor.....  | 17.50    |
| Mrs. A. D. Sherer, services as matron.....                        | 360.00   |
| Maurice Watson, M. D., visits and vaccina-<br>tions .....         | 1,030.75 |
| Water commissioners, use of water.....                            | 7.52     |

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\$1,803.98

## ISOLATION HOSPITAL.

|  |          |
|--|----------|
| W. B. Blake, repairs.....  | \$0.40   |
| E. M. Bryant & Co., batteries, lamps, labor..                              | 7.29     |
| John Bryson, setting glass.....  | 3.50     |
| Connor Bros., plumbing repairs.....  | 2.75     |
| C. DeMouplied & Co., glasses.....  | 1.00     |
| Herbert E. Dunnington, medicine and sup-<br>plies .....                    | 53.42    |
| J. H. DeCourcy Co., coal and wood.....                                     | 217.44   |
| C. A. & A. W. Flint, wood.....   | 23.00    |
| Mrs. Selma Flodin, services as matron.....                                 | 300.00   |
| Mrs. Selma Flodin, board, sundry persons...                                | 1,120.26 |
| C. M. Floyd, shirts.....   | 6.00     |
| L. M. Folsom, blankets, sheets, robes, crash,<br>etc. ....                 | 104.95   |
| Granite State Rubber Co., rubber sheeting..                                | 12.70    |
| C. J. & L. C. Greer, material and labor, lay-<br>ing pipe and repairs..... | 34.38    |
| Hubbard Sash & Blind Factory, repairs....                                  | 1.25     |
| C. A. Hoitt Co., crockery, ice chests and<br>pans .....                    | 12.30    |
| Hamilton Manufacturing Co., bleached cloth,                                | 24.00    |
| James W. Hill Co., oilcloth, gowns, spreads,                               | 7.88     |
| Knight & Thomas, Inc., 6 fire extinguishers,                               | 76.95    |
| F. D. Leighton, labor.....   | 5.05     |
| Manchester Traction, Light & Power Co.,<br>electric lights .....           | 91.30    |
| Manchester Hardware Co., wire cloth.....                                   | .56      |
| Manchester Coal & Ice Co., ice.....  | 32.56    |
| C. F. McDonald, plumbing repairs, etc.....                                 | 5.12     |
| New England Telephone & Telegraph Co.,<br>use of telephone.....            | 73.55    |

|   |            |
|---|------------|
| F. E. Nelson, crockery and glassware.....     | \$21.50    |
| Norbert Sign Co., 1 sign.....                 | 36.00      |
| John H. Stevens, installing hot water boiler, | 225.00     |
| A. D. Sherer, paint and labor.....            | 92.10      |
| A. G. Straw, M. D., diphtheria examinations,  | 22.50      |
| E. V. Turcotte estate, coal and wood.....     | 206.50     |
| John B. Varick Co., mop filling and brooms,   | 3.50       |
| Water commissioners, use of water.....        | 53.25      |
| John R. Willis & Co., wood.....               | 33.00      |
|   | <hr/>      |
|   | \$2,910.96 |

## NURSES AT ISOLATION HOSPITAL.

|                            |            |
|----------------------------|------------|
| Jessie Bailey .....        | \$24.00    |
| Mary Cronin .....          | 123.00     |
| Katherine M. Crozier ..... | 18.00      |
| Carrie M. Joyce .....      | 39.00      |
| Mary V. Lee .....          | 684.00     |
| Zepherine Lupien .....     | 18.00      |
| Katherine V. Martin.....   | 270.00     |
| Annie Mitchell .....       | 30.00      |
| Rebecca C. O'Dwyer.....    | 78.00      |
| Jennie J. Stevenson.....   | 132.00     |
| Robina Thompson .....      | 210.00     |
| Diana Tousignant .....     | 18.00      |
| Mary L. Varney .....       | 330.00     |
|                            | <hr/>      |
|                            | \$1,974.00 |

## SUPPLIES FOR ISOLATED FAMILIES.

|                                |         |
|--------------------------------|---------|
| C. A. & A. W. Flint, wood..... | \$1.50  |
| A. D. Lemay, groceries.....    | 5.39    |
| E. W. Lewis, groceries.....    | 12.02   |
| C. E. Lessard, wood.....       | 2.00    |
| Benjamin J. Mack, wood.....    | 2.00    |
| A. F. Precourt, medicine.....  | 1.35    |
| Edmond Pinard, groceries.....  | 8.05    |
| K. R. Tennant, groceries.....  | 6.54    |
|                                | <hr/>   |
|                                | \$38.85 |

## MEDICAL INSPECTORS.

|                               |          |
|-------------------------------|----------|
| Clarence O. Coburn, M. D..... | \$160.00 |
| Noel E. Guillet, M. D.....    | 160.00   |
| Ulric Lafontaine, M. D.....   | 160.00   |
| Wm. H. Lyons, M. D.....       | 160.00   |
| John C. O'Connor, M. D.....   | 160.00   |
| Zatae L. Straw, M. D.....     | 160.00   |
|                               | <hr/>    |
|                               | \$960.00 |

## SUNDRIES.

|   |        |                           |
|---|--------|---------------------------|
| W. B. Blake, milk samples, and burying animals .....            | \$3.46 |                           |
| Joseph X. Duval, milk samples, and burying animal .....         | 6.50   |                           |
| Michal Jasinski, burial outfit.....                             | 10.00  |                           |
| J. F. Looney, cream and milk samples, and burying animals ..... | 36.42  |                           |
| F. M. Ray, removing and burying dead horses .....               | 9.00   |                           |
|   |        | <u>\$65.38</u>            |
| Total expenditures .....  |        | \$16,044.24               |
| Transferred to unappropriated money.....                        |        | 3,955.76                  |
|   |        | <u><u>\$20,000.00</u></u> |

## City Library.

|                     |                          |
|---------------------|--------------------------|
| Appropriation ..... | <u><u>\$9,000.00</u></u> |
|---------------------|--------------------------|

## EXPENDITURES.

## LIBRARIAN AND ASSISTANTS.

|                                   |          |                   |
|-----------------------------------|----------|-------------------|
| F. Mabel Winchell, librarian..... | \$833.34 |                   |
| Sarah C. Aiken.....               | 102.00   |                   |
| Ruth Bartlett .....               | 371.25   |                   |
| Florence Butterick .....          | 35.00    |                   |
| Eugene S. Clark.....              | 136.48   |                   |
| Caroline B. Clement.....          | 385.00   |                   |
| Edith O. Emery .....              | 514.50   |                   |
| Margaret I. Grant.....            | 132.75   |                   |
| Carlton Hamer .....               | 168.50   |                   |
| Arthur R. Leavitt.....            | 80.35    |                   |
| Charles S. Morgan.....            | 77.50    |                   |
| Louise E. Newell.....             | 550.00   |                   |
| Albro P. Reed.....                | 80.00    |                   |
| Una Vincent .....                 | 272.75   |                   |
|                                   |          | <u>\$3,739.42</u> |

## SUPPLIES.

|  |        |
|--|--------|
| F. A. Burnham, bookcase.....                 | \$8.00 |
| John B. Clarke Co., printing reports.....    | 16.10  |
| John B. Clarke Co., advertising.....         | .25    |
| Gaylord Bros., binders, etc.....             | 9.65   |
| Charles A. Hoitt Co., linoleum and desk..... | 76.46  |

|  |         |          |
|--|---------|----------|
| Library Bureau, binders, book, guides, etc..                   | \$36.60 |          |
| Manchester Coal & Ice Co., ice.....                            | 5.25    |          |
| Melvin & Fitts, stationery.....                                | 2.37    |          |
| Temple & Farrington Co., cards.....                            | 4.25    |          |
| Temple & Farrington Co., binding and re-<br>binding books..... | 550.34  |          |
| John B. Varick Co., supplies.....                              | 32.25   |          |
| F. M. Winchell, paid for cards.....                            | 20.00   |          |
| J. A. Williams, printing and paper.....                        | 33.70   |          |
|  |         | \$795.22 |

## FUEL, INSURANCE, LIGHTS, TELEPHONE, WATER.

|  |          |            |
|--|----------|------------|
| Clarence M. Edgerly, insurance premium....                       | \$125.00 |            |
| Manchester Traction, Light & Power Co.,<br>electric lights ..... | 381.92   |            |
| Maxwell Ice Co., wood.....                                       | 14.00    |            |
| Moore & Preston Coal Co.....                                     | 538.24   |            |
| New England Telephone & Telegraph Co.,<br>use of telephone.....  | 54.00    |            |
| People's Gas-light Co., gas.....                                 | 21.23    |            |
| Water commissioners, use of water.....                           | 13.63    |            |
|  |          | \$1,148.02 |

## NEW BOOKS, PAPERS, MAGAZINES.

|  |          |            |
|--|----------|------------|
| Chivers Book Binding Co., Inc.....     | \$23.10  |            |
| Committee on Andover Town History..... | 3.00     |            |
| Thomas J. Donlan .....                 | 20.31    |            |
| Herman Goldberger .....                | 372.31   |            |
| Caroline L. Himebaugh.....             | 16.35    |            |
| H. R. Huntting Co., Inc.....           | 40.81    |            |
| A. J. Huston.....                      | 1.28     |            |
| The King-Richardson Co.....            | 20.00    |            |
| C. F. Libbie & Co.....                 | 26.23    |            |
| Robert W. Lull.....                    | 17.00    |            |
| The Schoenhof Book Co.....             | 6.99     |            |
| Sampson & Murdock Co.....              | 3.00     |            |
| G. E. Stechert & Co.....               | 63.33    |            |
| T. P. W. Rogers.....                   | 15.20    |            |
| Trustees of library.....               | 2,000.00 |            |
| H. C. White Co.....                    | 33.34    |            |
| H. W. Wilson Co.....                   | 24.80    |            |
|  |          | \$2,687.05 |

## SUNDRIES.

|  |        |
|--|--------|
| G. B. Cressey, paint and labor.....    | \$6.17 |
| S. P. Dodge Co., repairing chairs..... | 14.70  |

FIRE DEPARTMENT.

91

|  |        |                          |
|--|--------|--------------------------|
| Farrell Bros., electric supplies and labor...        | \$3.92 |                          |
| Mrs. Kate Hussey, cleaning.....                      | 54.20  |                          |
| Gustave Hecker, janitor.....                         | 480.00 |                          |
| J. H. Mendell Co., painting counter and tables ..... | 4.71   |                          |
| John J. McAllister, Jr., weighing coal.....          | 5.78   |                          |
| James W. Robinson, janitor.....                      | 60.50  |                          |
|  |        | <u>\$629.98</u>          |
| Total expenditures .....                             |        | \$8,999.69               |
| Transferred to unappropriated money.....             |        | .31                      |
|  |        | <u><u>\$9,000.00</u></u> |

Fire Department.

|   |              |                     |
|---|--------------|---------------------|
| Appropriation .....                         | \$102,475.00 |                     |
| Appropriation by resolution, August 29..... | 1,600.00     |                     |
|   |              | <u>\$104,075.00</u> |

EXPENDITURES.

SERVICES.

|  |            |                   |
|--|------------|-------------------|
| Thomas W. Lane, chief engineer.....                  | \$1,625.00 |                   |
| George H. Hammond, assistant engineer....            | 256.21     |                   |
| Thomas F. Fitzsimmons, assistant engineer,           | 256.21     |                   |
| Edwin W. Merrill, clerk and assistant engineer ..... | 331.28     |                   |
| Arthur Provost, assistant engineer.....              | 256.21     |                   |
|  |            | <u>\$2,724.91</u> |

TEAMSTERS' AND ENGINEERS' PAY-ROLL.

|                 |            |                    |
|-----------------|------------|--------------------|
| January .....   | \$3,438.50 |                    |
| February .....  | 3,510.25   |                    |
| March .....     | 3,512.50   |                    |
| April .....     | 3,524.25   |                    |
| May .....       | 3,524.25   |                    |
| June .....      | 3,522.50   |                    |
| July .....      | 3,524.25   |                    |
| August .....    | 3,433.25   |                    |
| September ..... | 3,480.75   |                    |
| October .....   | 4,263.69   |                    |
| November .....  | 4,232.42   |                    |
| December .....  | 4,183.18   |                    |
|                 |            | <u>\$44,149.79</u> |

## CALL MEMBERS.

|                                    |            |
|------------------------------------|------------|
| Engine Company No. 1.....          | \$1,496.75 |
| Engine Company No. 2.....          | 1,463.00   |
| Engine & Ladder Company No. 3..... | 2,385.50   |
| Engine Company No. 4.....          | 1,623.00   |
| Engine & Ladder Company No. 5..... | 2,385.50   |
| Engine & Ladder Company No. 6..... | 2,385.50   |
| Engine Company No. 7.....          | 1,460.50   |
| Chemical Engine Company No. 1..... | 326.50     |
| Combination Company No. 2.....     | 1,121.75   |
| Aerial Truck Company No. 1.....    | 1,769.25   |
| Hose Company No. 1.....            | 1,429.25   |
| Hose Company No. 2.....            | 1,415.50   |
| Hose Company No. 3.....            | 965.50     |

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 \$20,227.50

## OTHER LABOR.

|                          |          |
|--------------------------|----------|
| J. N. Brown.....         | \$264.83 |
| C. U. Bean.....          | 14.88    |
| Clarence J. Dolloff..... | 75.25    |
| James Filleul .....      | 37.45    |
| W. G. Fraser.....        | 37.45    |
| Alonzo Goodrich .....    | 77.00    |
| Wilbur M. Gilman.....    | 47.25    |
| Percy L. Nute.....       | 373.63   |
| Archie Miller .....      | 49.00    |
| Louis Ross .....         | 133.75   |
| Celon D. Stevens.....    | 185.51   |
| Raymond Taylor .....     | 281.75   |

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 \$1,577.75

## LAUNDRY.

|                               |         |
|-------------------------------|---------|
| Gould & Laraba.....           | \$21.85 |
| Henry Lang .....              | 20.58   |
| Mrs. Marion Laird.....        | 47.50   |
| N. H. Towel Supply Co.....    | 39.00   |
| New Method Steam Laundry..... | 4.60    |
| Oneeda Laundry .....          | 122.43  |
| Margaret Power .....          | 9.00    |
| Emma Z. Smith.....            | 1.80    |
| H. L. Tebbetts.....           | 14.80   |

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 \$281.56

## FURNITURE AND BEDDING.

|  |          |
|--|----------|
| C. DeMoulpied & Co., furniture and bedding,  | \$496.03 |
| Joseph H. Gould, bedstead and bedding....    | 12.00    |
| James W. Hill Co., sheets, slips, puffs..... | 65.94    |
| James A. Scully, furniture and bedding....   | 49.48    |

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 \$623.45



FIRE DEPARTMENT.

92

PRINTING AND STATIONERY.

|  |          |          |
|--|----------|----------|
| John B. Clarke Co., printing envelopes, note-heads, etc..... | \$111.50 |          |
| John B. Clarke Co., department reports....                   | 45.26    |          |
| W. P. Goodman, stationery.....                               | 21.04    |          |
| Ideal Stamp Co., stamps.....                                 | 1.75     |          |
| Temple & Farrington Co., books, stationery, and cabinet..... | 10.00    |          |
| Melvin & Fitts, stationery.....                              | .62      |          |
|  | <hr/>    | \$190.17 |

FUEL, LIGHTS, TELEPHONE, WATER.

|   |          |            |
|---|----------|------------|
| L. B. Bodwell & Co., coal and wood.....                       | \$599.52 |            |
| Fletcher Brown, wood.....                                     | 16.50    |            |
| C. A. & A. W. Flint, wood.....                                | 42.00    |            |
| Manchester Traction, Light & Power Co., electric lights ..... | 254.53   |            |
| Maxwell Ice Co., wood.....                                    | 8.00     |            |
| Moore & Preston Coal Co., coal and wood..                     | 2,186.31 |            |
| New England Telephone & Telegraph Co., use of telephone ..... | 70.25    |            |
| People's Gas-light Co., gas.....                              | 595.43   |            |
| Water commissioners, use of water.....                        | 325.01   |            |
|   | <hr/>    | \$4,097.55 |

SUPPLIES.

|  |          |
|--|----------|
| American Locomotive Co., suction hose....                                    | \$50.00  |
| Amoskeag Manufacturing Co., castings.....                                    | 18.76    |
| C. G. Braxmar Co., 2 badges.....   | 1.00     |
| Boston Belting Co., valves, hose washers....                                 | 9.93     |
| Cornelius Callahan Co., soda, sponge, coats, ladders, hose relined, etc..... | 2,163.27 |
| Joel Daniels, lettering sign.....  | .75      |
| Diamond Rubber Co., wheels and wire.....                                     | 15.00    |
| D. W. Diggs, service bottles.....  | 2.50     |
| Fellows & Son, sawdust.....  | 2.10     |
| Fitz-Dillingham Co., gasoline.....   | 15.98    |
| Frank E. Fitts Manufacturing & Supply Co., waste .....                       | 31.30    |
| Globe Manufacturing Co., coats.....  | 75.00    |
| Granite State Rubber Co., tubing.....  | 1.50     |
| Hadlock's Garage, gasoline, batteries, etc...                                | 9.95     |
| John D. Healy, castings.....   | 26.55    |
| J. Hodge, lumber.....  | 8.69     |
| Knox Automobile Co., casing tube and rim,                                    | 100.00   |
| Knox Automobile Co., 1 No. 3938 fire-wagon,                                  | 5,500.00 |

|   |          |
|---|----------|
| Knox Automobile Co., supplies.....                                | \$5.95   |
| F. T. Lord Polish Co., polish.....                                | 30.00    |
| Manchester Independent Oil Co., gasoline<br>and kerosene oil..... | 2.95     |
| Manchester Traction, Light & Power Co.,<br>switches and base..... | 1.95     |
| Andrew J. Morse & Son, nozzles.....                               | 172.67   |
| F. F. Osgood, leather.....  | 1.00     |
| Parnell Bros., soap.....  | 22.80    |
| C. N. Perkins Co., extinguisher head and bot-<br>tles .....       | 13.50    |
| Pike & Heald Co., iron, washers, brush.....                       | 6.44     |
| Stewart & Pownall, automatic switch.....                          | 20.00    |
| Somerville Brush Co., dusters.....                                | 10.00    |
| John H. Stevens, flue cleaners, etc.....                          | 3.75     |
| C. D. Steele & Co.....  | 6.05     |
| Swift & Co., cleanser.....  | 6.00     |
| Talbot Dyewood & Chemical Co., oil vitriol,                       | 35.75    |
| John B. Varick Co., hardware.....                                 | 740.62   |
| John B. Varick Co., hose.....                                     | 5,330.00 |
| A. A. Warren, oil.....  | 61.54    |
| Western Electric Co., supplies.....                               | 198.05   |
| West Side Lumber Co., lumber and sawdust,                         | 17.42    |

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 \$14,718.72

## REPAIRS, ETC.

|   |        |
|---|--------|
| W. L. Aller & Co., caning chairs.....                           | \$3.00 |
| Barton Company, repairing awning.....                           | 3.75   |
| E. M. Bryant & Co., 10 taplets.....                             | 2.50   |
| Connor Bros., plumbing repairs.....                             | 35.12  |
| The Fisk Rubber Co., repairing case.....                        | 3.00   |
| A. L. Franks & Co., electric supplies and la-<br>bor .....      | 52.16  |
| John T. Gallagher, steam piping.....                            | 20.00  |
| Head & Dowst Co., lumber and labor.....                         | 21.23  |
| J. Hodge, lumber and labor.....                                 | 28.22  |
| H. J. Lawson, repairs.....                                      | 4.00   |
| Manchester Supply Co., nickel-plating and<br>pipe covering..... | 4.44   |
| Gardiner E. Marston, pipe.....                                  | 3.11   |
| Newton & Way, labor on cellar pipes.....                        | 6.75   |
| Edward Sargent, repairing lock.....                             | 1.50   |
| Stevens & Bradley, labor on cellar pipe.....                    | 3.80   |
| C. A. Trefethen, repairing clock.....                           | 1.75   |
| Tubeless Iron Co., plating pole tip.....                        | .60    |

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 \$194.93

## FIRE DEPARTMENT.

95

### HORSES, VETERINARY SERVICES AND MEDICINE.

|   |          |            |
|---|----------|------------|
| F. T. Arbuckle, V. S., services and medicine,     | \$191.30 |            |
| Cavanaugh Bros., horses.....                      | 2,061.68 |            |
| Cavanaugh Bros., use of horse.....                | 16.50    |            |
| F. J. Clark, V. S., fixing teeth, medicine, etc., | 30.75    |            |
| Mrs. A. L. Dodge, disinfectant.....               | 5.00     |            |
| Dyer & Chipman, medicine, etc.....                | 19.75    |            |
| J. J. Holland, medicine.....                      | 46.90    |            |
| Manchester Tea Co., flour.....                    | .20      |            |
| Sabin Noury, hoof ointment.....                   | 1.00     |            |
| A. J. Precourt, bottles.....                      | .25      |            |
| Sanitas Co., disinfectant.....                    | 24.50    |            |
| A. D. Smith, medicine.....                        | 5.70     |            |
| Walsh & Cummings, supplies.....                   | 8.47     |            |
|   |          | \$2,412.00 |

### CARRIAGE AND ENGINE REPAIRS.

|                               |          |            |
|-------------------------------|----------|------------|
| American Locomotive Co.....   | \$118.30 |            |
| International Power Co.....   | 9.53     |            |
| Manchester Machine Works..... | 30.45    |            |
| J. B. McCrillis & Son.....    | 1,217.75 |            |
| James Murphy .....            | 4.00     |            |
| James C. Newton.....          | 1.25     |            |
| Sanborn Carriage Co.....      | 83.20    |            |
|                               |          | \$1,464.48 |

### BLACKSMITHING.

|                             |         |            |
|-----------------------------|---------|------------|
| Connor & Grossman.....      | \$84.90 |            |
| H. J. Dexter .....          | 113.05  |            |
| Edward Dupont .....         | 137.75  |            |
| J. F. McDonald & Co.....    | 486.80  |            |
| McDonald Brothers .....     | 480.93  |            |
| John Stack .....            | 74.75   |            |
| J. O. & L. P. Tremblay..... | 254.75  |            |
| G. F. Wenzel.....           | 100.30  |            |
|                             |         | \$1,733.23 |

### HAY, GRAIN, ETC.

|                         |            |            |
|-------------------------|------------|------------|
| Adams Bros.....         | \$1,978.29 |            |
| Arthur S. Brown.....    | 4,624.68   |            |
| F. H. Masse & Co.....   | 1,195.87   |            |
| C. R. Merrill.....      | 83.88      |            |
| Charles S. Fifield..... | 797.58     |            |
|                         |            | \$8,680.30 |

## HARNESS SUPPLIES AND REPAIRS.

|                        |         |          |
|------------------------|---------|----------|
| Charles E. Berry ..... | \$22.50 |          |
| Frank Casavant .....   | 130.50  |          |
| W. L. Comire .....     | 4.00    |          |
| G. W. Spaulding.....   | 3.00    |          |
| Ranno Saddlery Co..... | 17.25   |          |
| J. Vogel & Co.....     | 25.45   |          |
| N. J. Whalen.....      | 50.45   |          |
|                        |         | <hr/>    |
|                        |         | \$253.15 |

## SUNDRIES.

|   |        |              |
|---|--------|--------------|
| Boston & Maine Railroad, freight on hose..  | \$4.56 |              |
| Henry Burns, labor.....   | 2.50   |              |
| R. J. Barry, expenses to Canton, Mass., inspecting hose .....   | 5.00   |              |
| C. B. Clarkson, weighing coal.....  | 20.00  |              |
| Paul A. Claus, fare and board, Springfield, Mass., account automobile fire apparatus..  | 26.46  |              |
| Mary D. Eldridge, typewriting rules and regulations .....   | 24.05  |              |
| A. M. Finney, renovating pillows.....   | 1.30   |              |
| Hadlock's Garage, use of automobile.....  | 25.00  |              |
| E. H. Holmes; freight and cartage.....  | 9.19   |              |
| S. J. LaFlamme, lunch, brush fire.....  | 3.50   |              |
| S. J. LaFlamme, dinners, I. O. O. F. block fire .....   | 15.00  |              |
| T. W. Lane, expenses, Canton, Mass., to inspect .....   | 3.96   |              |
| T. W. Lane, expenses, Syracuse, N. Y., International Association Chief Engineers.....   | 43.96  |              |
| T. W. Lane, express, cartage, postage.....  | 35.03  |              |
| John J. McAllister, Jr., weighing coal.....   | 5.78   |              |
| Henry Stein, hay and grain for horses and lunch for men at forest fire.....   | 1.50   |              |
| Edward C. Smith, expenses of-mayor, Chief Lane, committee on fire department, and city clerk to Lowell and Boston, inspecting chemical automobile ..... | 34.40  |              |
| Edward C. Smith, telephone charges.....   | .45    |              |
|   |        | <hr/>        |
|   |        | \$261.64     |
|   |        | <hr/>        |
| Total expenditures .....  |        | \$103,591.13 |
| Transferred to unappropriated money.....  |        | 483.87       |
|   |        | <hr/>        |
|   |        | \$104,075.00 |
|   |        | <hr/> <hr/>  |

Fire-Alarm Telegraph.

Appropriation ..... \$4,000.00

EXPENDITURES.

LABOR.

|                      |          |            |
|----------------------|----------|------------|
| January .....        | \$165.00 |            |
| February .....       | 165.00   |            |
| March .....          | 165.00   |            |
| April .....          | 165.00   |            |
| May .....            | 165.00   |            |
| June .....           | 165.00   |            |
| July .....           | 165.00   |            |
| August .....         | 165.00   |            |
| September .....      | 165.00   |            |
| October .....        | 165.00   |            |
| November .....       | 165.00   |            |
| December .....       | 165.00   |            |
|                      |          | \$1,980.00 |
| Louis Loiselle ..... |          | \$402.50   |

SUPPLIES, ETC.

|  |          |            |
|--|----------|------------|
| American Electrical Works, wire.....                   | \$412.39 |            |
| John B. Clarke Co., printing.....                      | 24.00    |            |
| Gamewell Fire-alarm Telegraph Co., sup-<br>plies ..... | 304.26   |            |
| F. S. Hardy & Co., electric supplies.....              | 14.07    |            |
| J. Hodge, arms.....                                    | 250.08   |            |
| Manchester Supply Co., nickel-plating.....             | 4.40     |            |
| Pike & Heald Co., solder, acid, tube.....              | .30      |            |
| Powell & Clarkson, lumber and labor.....               | 5.55     |            |
| Sanborn Carriage Co., irons.....                       | .40      |            |
| Stevens & Bradley, gasoline.....                       | .25      |            |
| John H. Stevens, pipe, valves, etc., and labor,        | 46.82    |            |
| Stuart-Howland Co., supplies.....                      | 42.61    |            |
| John B. Varick Co., hardware, etc.....                 | 64.07    |            |
| Western Electric Co., supplies.....                    | 82.83    |            |
| C. L. Wolf, pipe.....                                  | 1.31     |            |
|  |          | \$1,253.34 |

SUNDRIES.

|  |        |
|--|--------|
| E. H. Holmes, freight and cartage.....                       | \$6.77 |
| Manchester Traction, Light & Power Co.,<br>electricity ..... | 61.22  |

|   |         |                          |
|---|---------|--------------------------|
| New England Telephone & Telegraph Co.,<br>use of telephone..... | \$22.92 |                          |
|   |         | <u>\$91.91</u>           |
| Total expenditures .....  |         | \$3,727.75               |
| Transferred to unappropriated money.....                        |         | 272.25                   |
|   |         | <u><u>\$4,000.00</u></u> |

### Hydrant Service.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$22,025.00 |
|---------------------|-------------|

#### EXPENDITURES.

|   |             |
|---|-------------|
| Water commissioners, hydrant rentals..... | \$22,025.00 |
|---|-------------|

### Police Department.—Commission.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$68,000.00 |
|---------------------|-------------|

#### EXPENDITURES.

##### SERVICES.

|   |            |                    |
|---|------------|--------------------|
| Michael J. Healy, chief of police.....                        | \$3,000.00 |                    |
| John F. Cassidy, deputy chief.....                            | 1,800.00   |                    |
| John F. Griffin.....  | 999.10     |                    |
| Edward B. Woodbury, chairman of commis-<br>sion, salary ..... | 150.00     |                    |
| Peter A. Farrell, commissioner.....                           | 100.00     |                    |
| Thomas R. Varick, commissioner.....                           | 100.00     |                    |
| A. B. Brown, police matron.....                               | 425.00     |                    |
| Regular and special police.....                               | 53,536.85  |                    |
|   |            | <u>\$60,110.95</u> |

##### FEEDING PRISONERS.

|                           |         |                 |
|---------------------------|---------|-----------------|
| Jordan Restaurant Co..... | \$57.45 |                 |
| E. R. LaFlamme.....       | 118.72  |                 |
| National Biscuit Co.....  | 62.89   |                 |
|                           |         | <u>\$239.06</u> |



## PRINTING AND STATIONERY.

|  |          |
|--|----------|
| John B. Clarke Co., printing.....        | \$153.95 |
| John B. Clarke Co., binding.....         | 2.50     |
| W. P. Goodman, books and stationery..... | 80.20    |
| Melvin & Fitts, stationery.....          | 9.55     |
| Temple & Farrington Co., books.....      | 7.75     |

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 \$253.95

## PATROL SYSTEM EXPENSES.

|   |         |
|---|---------|
| Ame & Co., "Standard Food".....                                 | \$16.25 |
| Automatic Time Stamp Co., dial and ribbons .....                | 6.50    |
| American Steel & Wire Co., wire.....                            | 20.78   |
| Adams Bros., hay, grain and straw.....                          | 240.58  |
| Boston & Maine Railroad, freight.....                           | 10.96   |
| Boyd Bros., clipping horse.....                                 | 2.00    |
| Arthur S. Brown, hay and grain.....                             | 247.61  |
| E. M. Bryant & Co., batteries.....                              | 3.00    |
| Geo. H. Buckminster Co., wire and batteries                     | 43.25   |
| James Baldwin Co., pins.....                                    | 3.00    |
| E. L. Bohan, horsehire.....                                     | 9.00    |
| Couch & Seeley Co., telephone supplies.....                     | 15.75   |
| Columbia Refining Co., "Amberzo".....                           | 14.38   |
| S. P. Dodge Co., carriage repairs.....                          | 31.00   |
| H. B. Dunton, V. S., fixing teeth.....                          | 6.00    |
| Electric Specialty Manufacturing Co., 1 Bish-ton howler .....   | 5.00    |
| Wm. Freeman, horsehire.....                                     | 3.00    |
| Granite State Rubber Co., tubing.....                           | 1.08    |
| Henry Goudreault, 6 rods.....                                   | 1.00    |
| Abraham Green, rent of shed.....                                | 60.00   |
| Hadlock's Garage, 3 motorcycles.....                            | 755.90  |
| Hadlock's Garage, supplies and repairs.....                     | 190.81  |
| James Harlan, labor on wires.....                               | 65.00   |
| Head & Dowst Co., lumber and labor.....                         | 5.25    |
| Hendee Manufacturing Co., motorcycle sup-plies .....            | 178.42  |
| W. S. Holt & Son, waste.....                                    | 9.78    |
| C. A. Hoitt Co., basket.....                                    | 4.50    |
| J. Hodge, lumber .....  | 8.16    |
| Martin Joyce, labor on wires.....                               | 26.00   |
| Charles Kean, labor on wires.....                               | 30.00   |
| Kimball Carriage Co., repairing and painting patrol wagon ..... | 75.00   |
| Kimball Carriage Co., hooks, etc.....                           | 1.50    |

|   |            |
|---|------------|
| E. J. Letendre, V. S., services.....                      | \$2.00     |
| Manchester Traction, Light & Power Co.,<br>poles .....    | 18.00      |
| Patrick Martin, labor on wires.....                       | 18.00      |
| Maxwell Ice Co., ice.....                                 | 14.00      |
| C. R. Merrill, hay and grain.....                         | 23.20      |
| Mitchell Manufacturing Co., plating badges,               | 15.50      |
| Thomas Mooney, labor on wires.....                        | 7.50       |
| Mountain State Electrical Co., brackets....               | 9.66       |
| Neostyle Co., paper and ink.....                          | 80.80      |
| Frederick Pearce Co., signal supplies.....                | 759.73     |
| Charles E. Perry Co., register paper.....                 | 43.29      |
| Sanborn Carriage Co., repairing wagon....                 | 21.70      |
| Stromberg-Carlson Telephone Mfg. Co., sup-<br>plies ..... | 1.66       |
| J. O. & L. P. Tremblay, horseshoeing.....                 | 109.25     |
| Universal Specialty Co., insulators.....                  | 16.80      |
| United Electric & Apparatus Co., supplies...              | 531.60     |
| Warner Instrument Co., clamps.....                        | 5.00       |
| Arthur A. Warren, gasoline.....                           | 69.70      |
| Western Electric Co., supplies.....                       | 206.35     |
| N. J. Whalen, harness and repairs.....                    | 40.70      |
| E. C. Wheeler, carrots.....                               | 24.82      |
|   | <hr/>      |
|   | \$4,109.72 |

## HARDWARE AND REPAIRS.

|  |          |
|--|----------|
| Joel Daniels, varnish and labor.....                                   | \$11.25  |
| J. S. Dyer, repairing motorcycles.....                                 | 7.75     |
| Peter Harris & Son, repairing locks and<br>handcuffs .....             | 12.00    |
| Head & Dowst Co., lumber.....  | 2.90     |
| J. Hodge, lumber.....  | 8.59     |
| Manchester Hardware Co.....  | 6.95     |
| Metropolitan Air Goods Co., repairing mat-<br>tress .....              | 1.50     |
| John H. Stevens, soldering motorcycle<br>tanks .....                   | 1.40     |
| John B. Varick Co., handcuffs, billies, revol-<br>vers, hardware ..... | 388.07   |
|  | <hr/>    |
|  | \$440.41 |

## TELEPHONE AND TELEGRAPH.

|  |          |
|--|----------|
| New England Telephone & Telegraph Co.,<br>use of telephones..... | \$151.19 |
| Western Union Telegraph Co., telegrams....                       | 3.36     |
| Western Union Telegraph Co., clock rental..                      | 12.00    |
|  | <hr/>    |
|  | \$166.55 |

## SUNDRIES.

|   |        |             |
|---|--------|-------------|
| W. J. Freeman, horsehire.....                         | \$4.00 |             |
| Abraham Green, services as interpreter.....           | 10.00  |             |
| Nellie Hardy, caring for lost children.....           | 25.00  |             |
| John B. Hall Co., medical and surgical supplies ..... | 30.30  |             |
| W. S. Holt & Son, waste.....                          | 2.50   |             |
| J. J. Holland, medicine, etc.....                     | 18.95  |             |
| Edgar S. Leslie, photographing criminals...           | 18.00  |             |
| John F. Parker, detective services.....               | 112.50 |             |
| Walsh & Cummings, cotton.....                         | .35    |             |
| Worrell Manufacturing Co., insect exterminator .....  | 19.05  |             |
|   |        | \$240.65    |
| Total expenditures .....                              |        | \$65,561.29 |
| Transferred to unappropriated money.....              |        | 2,438.71    |
|   |        | \$68,000.00 |

## Police Department.—Station.

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$3,000.00 |
|---------------------|------------|

## EXPENDITURES.

## SERVICES.

|                               |          |
|-------------------------------|----------|
| Frank P. Wiggin, janitor..... | \$821.25 |
|-------------------------------|----------|

## \* FUEL, LIGHTS, WATER.

|   |          |            |
|---|----------|------------|
| Manchester Traction, Light & Power Co., electric lights ..... | \$382.81 |            |
| Maxwell Ice Co., wood.....                                    | 52.75    |            |
| Moore & Preston Coal Co., coal.....                           | 836.55   |            |
| People's Gas-light Co., gas.....                              | 86.57    |            |
| Water commissioners, use of water.....                        | 272.78   |            |
|   |          | \$1,631.46 |

## LAUNDRY, ETC.

|  |        |         |
|--|--------|---------|
| Daniels-Cornell Co., soap.....           | \$2.85 |         |
| F. W. Leeman, crash, sheets, towels..... | 20.46  |         |
| Mrs. J. F. Wiggin, laundry work.....     | 43.98  |         |
|  |        | \$67.29 |

## REPAIRS, ETC.

|   |        |         |
|---|--------|---------|
| J. J. Abbott, glass.....                                | \$4.91 |         |
| C. W. Anderson & Co., repairing clocks.....             | 8.50   |         |
| E. M. Bryant & Co., electric supplies and repairs ..... | 10.18  |         |
| Napoleon Daigle, oil.....                               | .60    |         |
| A. M. Finney, reseating chairs.....                     | 3.00   |         |
| A. L. Franks & Co., 1 lamp.....                         | 3.00   |         |
| Peter Harris & Son, repairing oiler, etc.....           | 1.75   |         |
| C. A. Hoitt Co., repairing chair.....                   | .50    |         |
| Manchester Traction, Light & Power Co., lamps .....     | 2.85   |         |
| J. J. Moreau & Son, material and labor.....             | 4.05   |         |
| People's Gas-light Co., supplies.....                   | 1.00   |         |
| Stevens & Bradley, repairing gas fixture....            | .50    |         |
| John H. Stevens, 1 plunger.....                         | 1.00   |         |
| John B. Varick Co., paper, paint, hardware,             | 15.69  |         |
|   |        | <hr/>   |
|   |        | \$57.53 |

## SUNDRIES.

|  |            |             |
|--|------------|-------------|
| C. B. Clarkson, weighing coal.....       | \$7.50     |             |
| J. J. Holland, supplies.....             | 43.61      |             |
| Maxwell Ice Co., ice.....                | 8.26       |             |
|  |            | <hr/>       |
|  |            | \$59.37     |
|  |            | <hr/>       |
| Total expenditures.....                  | \$2,636.90 |             |
| Transferred to unappropriated money..... | 363.10     |             |
|  |            | <hr/>       |
|  |            | \$3,000.00  |
|  |            | <hr/> <hr/> |

## Police Department.—Court.

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$2,900.00  |
|                     | <hr/> <hr/> |

## EXPENDITURES.

## SERVICES.

|   |          |            |
|---|----------|------------|
| Isaac L. Heath, police justice.....         | \$966.66 |            |
| Harry E. Loveren, police justice.....       | 533.34   |            |
| Harry E. Loveren, associate justice.....    | 193.33   |            |
| Frank C. Livingston, associate justice..... | 75.00    |            |
| John C. Bickford, clerk.....                | 600.00   |            |
|   |          | <hr/>      |
|   |          | \$2,368.33 |

SUNDRIES.

|   |        |                          |
|---|--------|--------------------------|
| John B. Clarke Co., printing docket.....    | \$9.00 |                          |
| M. J. Healy, paid witness fees.....         | 329.73 |                          |
| The Globe-Wernicke Co., cabinet and guides, | 8.46   |                          |
| New England Telephone & Telegraph Co.,      |        |                          |
| use of telephone.....                       | 54.00  |                          |
| E. A. Stratton Co., printing docket.....    | 74.50  |                          |
| Temple & Farrington Co., stationery.....    | 1.15   |                          |
| J. A. Williams, printing.....               | 20.75  |                          |
|   |        | <u>\$497.59</u>          |
| Total expenditures .....                    |        | <u>\$2,865.92</u>        |
| Transferred to unappropriated money.....    |        | 34.08                    |
|   |        | <u><u>\$2,900.00</u></u> |

Repairs of Buildings.

|   |            |                    |
|---|------------|--------------------|
| Appropriation .....                         | \$9,500.00 |                    |
| Appropriation by resolution, August 29..... | 1,500.00   |                    |
|   |            | <u>\$11,000.00</u> |

EXPENDITURES.

CITY LIBRARY.

|   |         |                   |
|---|---------|-------------------|
| E. M. Bryant & Co., electric supplies and la- |         |                   |
| bor .....                                     | \$82.65 |                   |
| Fischer & Co., roofing material and labor...  | 366.36  |                   |
| Herman Fischer, lumber and labor.....         | 45.36   |                   |
| W. E. Goodwin, plumbing repairs.....          | 29.93   |                   |
| James H. Griffin, labor and team.....         | 74.25   |                   |
| G. H. Hammond, door and labor.....            | 7.10    |                   |
| Elmer E. Reed, mason work.....                | 34.50   |                   |
| Robie Consolidated Concrete Co., cement       |         |                   |
| coating basement .....                        | 65.00   |                   |
| Savage Bros., paint and labor.....            | 880.58  |                   |
| John H. Stevens, installing temporary         |         |                   |
| boiler, etc. ....                             | 91.05   |                   |
|   |         | <u>\$1,676.78</u> |

POLICE STATION.

|   |         |
|---|---------|
| Bisson & Jodoin, plumbing.....                | \$18.04 |
| E. M. Bryant & Co., electric supplies and la- |         |
| bor .....                                     | 104.88  |
| John J. Connor & Bro., plumbing repairs..     | 6.80    |

|  |          |
|--|----------|
| Herman Fischer, lumber and labor.....                          | \$294.70 |
| Fischer & Co., steel ceiling, shields, plumbing and labor..... | 525.46   |
| Manchester Hardware Co., paint, shellac, etc. ....             | 2.40     |
| J. J. Moreau & Son, roofing tar.....                           | 4.74     |
| Robie Consolidated Concrete Co., concrete..                    | 40.22    |
| Elmer E. Reed, mason work.....                                 | 19.59    |
| Savage Bros., paint and labor.....                             | 735.14   |
| Edward Sargent, repairing locks.....                           | 2.15     |
| C. L. Wolf, storm lantern, grate and labor...                  | 17.90    |

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 \$1,772.02

## ENGINE HOUSES.

|   |          |
|---|----------|
| Alfred Bourque, lumber and labor.....                 | \$93.26  |
| T. J. Briggs, repairing boilers, etc.....             | 261.68   |
| E. M. Bryant & Co., 3 brackets.....                   | 1.25     |
| Bunton & Bernard, labor and material.....             | 183.01   |
| Connor Bros., plumbing repairs.....                   | 50.05    |
| G. B. Cressey, paint and labor.....                   | 14.80    |
| Derryfield Co., windows.....                          | 23.00    |
| Herman Fischer, material and labor.....               | 485.86   |
| Fischer & Co., material and labor.....                | 85.38    |
| A. L. Franks & Co., electric material and labor ..... | 123.01   |
| I. Gagne Co., labor and material.....                 | 26.00    |
| W. E. Goodwin, plumbing and heating repairs .....     | 23.10    |
| John T. Gott, cleaning stone.....                     | 50.00    |
| G. H. Hammond, labor and material.....                | 24.02    |
| Horsfall & Campbell, plumbing.....                    | 11.27    |
| Hubbard Sash & Blind Factory, lumber.....             | 8.58     |
| Karl Katchner Estate, putting up flagpole..           | 16.00    |
| F. D. Leighton, plumbing and gas repairs...           | 377.03   |
| C. F. McDonald, plumbing repairs.....                 | 13.30    |
| Manchester Hardware Co., screen and tacks             | 2.39     |
| F. L. Noyes, repairing roof.....                      | 2.60     |
| M. J. O'Connor, paint and labor.....                  | 686.34   |
| People's Gas-light Co., 2 water heaters.....          | 185.00   |
| C. O. Polson, paint and labor.....                    | 60.75    |
| Elmer E. Reed, mason work.....                        | 29.95    |
| Godard Rouleau, labor.....                            | 10.50    |
| Robie Consolidated Concrete Co., concrete...          | 450.65   |
| Savage Bros., glass, paper, and hanging same .....    | 173.85   |
| R. O. Schmidt, carpenter work and material,           | 1,033.90 |



|  |        |            |
|--|--------|------------|
| John H. Stevens, packing, etc.....         | \$2.50 |            |
| John B. Varick Co., paint and hardware.... | 11.40  |            |
| West Side Lumber Co., lumber and labor...  | 11.14  |            |
| L. B. Wilson, erecting metal ceiling.....  | 55.00  |            |
| G. F. Wenzel, blacksmithing.....           | 16.25  |            |
|  |        | <hr/>      |
|  |        | \$4,612.82 |

## CITY HALL.

|   |         |          |
|---|---------|----------|
| Bunton & Bernard, lumber and labor.....   | \$18.50 |          |
| Connor Bros., plumbing repairs.....       | 3.35    |          |
| G. B. Cressey, glass, putty, labor.....   | 4.33    |          |
| H. E. Curtis, paint and labor.....        | 347.59  |          |
| Fischer & Co., labor.....                 | 8.00    |          |
| Herman Fischer, material and labor.....   | 48.50   |          |
| W. E. Goodwin, plumbing repairs.....      | 13.99   |          |
| G. H. Hammond, lumber and labor.....      | 35.75   |          |
| Head & Dowst Co., lumber and labor.....   | 8.88    |          |
| Elmer E. Reed, masonwork.....             | 6.36    |          |
| Savage Bros., glass, paint and labor..... | 25.90   |          |
|   |         | <hr/>    |
|   |         | \$521.15 |

## COURT HOUSE.

|                                       |         |         |
|---------------------------------------|---------|---------|
| Herman Fischer, lumber and labor..... | \$37.40 |         |
| Fischer & Co., lumber and labor.....  | 1.40    |         |
| W. E. Goodwin, plumbing repairs.....  | 7.20    |         |
| Savage Bros., glass, etc.....         | 4.51    |         |
|                                       |         | <hr/>   |
|                                       |         | \$50.51 |

## WARD TWO WARDROOM.

|  |         |            |
|--|---------|------------|
| E. M. Bryant & Co., supplies and labor.....  | \$15.67 |            |
| Fischer & Co., roofing material and labor... | 19.11   |            |
| W. E. Goodwin, plumbing.....                 | 61.34   |            |
| John T. Gott, cleaning stone.....            | 20.00   |            |
| James H. Griffin, loam, turf, seed, etc..... | 304.25  |            |
| G. H. Hammond, lumber and labor.....         | 332.96  |            |
| Robie Consolidated Concrete Co., concrete..  | 51.33   |            |
| Savage Bros., paint and labor.....           | 420.64  |            |
| John H. Stevens, cement and labor.....       | 8.40    |            |
|  |         | <hr/>      |
|  |         | \$1,233.70 |

## CITY SCALES.

|  |         |          |
|--|---------|----------|
| Boyer & Moreau, paint and glass.....         | \$86.73 |          |
| Herman Fischer, lumber and labor.....        | 148.23  |          |
| Fischer & Co., roofing material and labor... | 90.18   |          |
|  |         | <hr/>    |
|  |         | \$325.14 |

## WARD FIVE WARDROOM.

|  |         |          |
|--|---------|----------|
| Boyer & Moreau, paint.....             | \$99.05 |          |
| Connor Bros., plumbing.....            | 16.55   |          |
| Fischer & Co., tar and labor.....      | 6.30    |          |
| G. H. Hammond, material and labor..... | 6.86    |          |
|  |         | \$128.76 |

## SUNDRIES.

|   |         |             |
|---|---------|-------------|
| T. J. Briggs, grate bars and labor, Battery building .....  | \$30.51 |             |
| Albert Boyer & Co., paint and glass, Battery building ..... | 37.35   |             |
| W. D. Hebert, care of city clocks.....                      | 258.35  |             |
| Herman Fischer, raising bathhouse.....                      | 320.46  |             |
| H. H. Lamoureux, use of hack.....                           | 5.00    |             |
| Manchester Hardware Co., hardware.....                      | 4.79    |             |
| John McIntyre, masonwork, Battery building .....            | 6.70    |             |
| John B. Varick Co., hardware.....                           | 4.73    |             |
|   |         | \$667.89    |
| Total expenditures .....                                    |         | \$10,988.77 |
| Transferred to unappropriated money.....                    |         | 11.23       |
|   |         | \$11,000.00 |

## Water-Works.

|  |             |              |
|--|-------------|--------------|
| Balance from last year unexpended..... | \$63,385.92 |              |
| Cash received for water rents.....     | 159,900.80  |              |
|  |             | \$223,286.72 |

## EXPENDITURES.

## LABOR.

|                 |            |             |
|-----------------|------------|-------------|
| January .....   | \$1,972.49 |             |
| February .....  | 2,261.84   |             |
| March .....     | 1,997.91   |             |
| April .....     | 2,204.57   |             |
| May .....       | 2,577.32   |             |
| June .....      | 3,319.42   |             |
| July .....      | 2,773.85   |             |
| August .....    | 3,440.37   |             |
| September ..... | 2,893.27   |             |
| October .....   | 2,828.43   |             |
| November .....  | 3,507.90   |             |
| December .....  | 3,271.26   |             |
|                 |            | \$33,048.63 |

WATER-WORKS.

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GENERAL EXPENSES.

C. K. Walker, superintendent:

|  |            |
|--|------------|
| Salary .....   | \$2,400.00 |
| Lights .....   | 186.36     |
| Postage, express, etc.....                             | 94.34      |
| Dudley & Sawyer, surveying .....                       | 34.75      |
| J. E. Holmes, dinners, water board and<br>guests ..... | 149.00     |
| Wm. Corey, 17 meetings of board.....                   | 85.00      |
| Perry H. Dow, 3 meetings of board.....                 | 15.00      |
| Charles M. Floyd, 16 meetings of board....             | 80.00      |
| Edgar J. Knowlton, 19 meetings of board...             | 95.00      |
| Charles H. Manning, 30 meetings of board..             | 150.00     |
| Robert E. McKean, 19 meetings of board..               | 95.00      |

\$3,384.45

ADVERTISING, PRINTING AND STATIONERY.

|  |         |
|--|---------|
| John B. Clarke Co., printing bills, postals,<br>etc. ....      | \$81.75 |
| John B. Clarke Co., department reports....                     | 34.85   |
| John B. Clarke Co., advertising.....                           | 6.25    |
| W. P. Goodman, stationery.....                                 | 10.20   |
| Manchester Union Co., advertising.....                         | 4.50    |
| F. H. McArdle, rubber bands, etc.....                          | 8.25    |
| E. A. Stratton Co., printing notices.....                      | 18.00   |
| Temple & Farrington Co., books, stationery<br>and binding..... | 14.89   |

\$178.69

FUEL, TEAMS, TELEPHONE.

|   |         |
|---|---------|
| F. E. Bean, wood.....   | \$29.25 |
| L. B. Bodwell & Co., coal.....                                  | 381.79  |
| Lester W. Brooks, teams.....                                    | 101.50  |
| P. Campbell, use of team.....                                   | 5.00    |
| J. H. Cram, hauling wood.....                                   | 6.25    |
| W. E. Dunbar & Sons, coal.....                                  | 32.50   |
| W. A. Jepson, coal.....   | 841.13  |
| Manchester Auto Garage, use of automobiles                      | 57.00   |
| New England Telephone & Telegraph Co.,<br>use of telephone..... | 39.48   |

\$1,493.90

LAND AND BUILDINGS.

|  |            |
|--|------------|
| Joseph Quirin, land.....               | \$3,500.00 |
| Sebastian Rau, land and buildings..... | 1,800.00   |
| George E. Seavey, land.....            | 150.00     |

\$5,450.00

## LEGAL SERVICES.

|                                     |          |          |
|-------------------------------------|----------|----------|
| Burnham, Brown, Jones & Warren..... | \$534.60 |          |
| A. D. Emery.....                    | 9.17     |          |
| M. Hall .....                       | 24.70    |          |
|                                     |          | \$568.47 |

## BLACKSMITHING, FREIGHT, HARDWARE.

|   |          |            |
|---|----------|------------|
| C. H. Allyson, blacksmithing.....                 | \$685.46 |            |
| Boston & Maine Railroad, freight.....             | 4,220.54 |            |
| Manchester Hardware Co., tools and hardware ..... | 46.84    |            |
| John B. Varick Co., tools and hardware....        | 436.01   |            |
|   |          | \$5,388.85 |

## SUPPLIES.

|   |          |  |
|---|----------|--|
| Adams Bros., cement and salt.....                                 | \$22.45  |  |
| Amoskeag Manufacturing Co., waste, bolts, labor .....             | 724.82   |  |
| American Locomotive Co., castings.....                            | 339.52   |  |
| J. J. Abbott, glass and gasoline.....                             | 7.70     |  |
| Bachelor & Quirin, lumber.....                                    | 22.00    |  |
| Harold L. Bond Co., couplings, bushings, etc.                     | 171.43   |  |
| H. A. Boone, steel ladder.....                                    | 30.30    |  |
| Brodie Electric & Automobile Co., material, etc. ....             | 1.25     |  |
| Builders' Iron Foundry, reducers and branches .....               | 258.30   |  |
| Chapman Valve Manufacturing Co., gates, hydrants and spindle..... | 219.72   |  |
| Cornelius Callahan Co., hose, pipe, etc.....                      | 45.99    |  |
| D. M. Dillon Steam Boiler Works, 2 boilers..                      | 3,382.84 |  |
| Granite State Rubber Co., packing, gaskets, etc. ....             | 11.85    |  |
| Hays Manufacturing Co., curb cocks, boxes, etc. ....              | 611.46   |  |
| Hart Packing Co., pump valves.....                                | 46.05    |  |
| Head & Dowst Co., lumber.....                                     | 19.64    |  |
| Ingersoll-Sergeant Drill Co., supplies.....                       | 12.15    |  |
| Kennedy Valve Manufacturing Co., gates...                         | 135.00   |  |
| Lead Lined Iron Pipe Co., pipe.....                               | 1,805.76 |  |
| Lowell Wrench Co., gears.....                                     | 1.28     |  |
| Locke Regulator Co., 1 regulator.....                             | 150.00   |  |
| Ludlow Valve Manufacturing Co., gates....                         | 320.40   |  |
| J. H. Mendell Co., material and labor.....                        | 761.83   |  |
| National Meter Co., meters, etc.....                              | 663.55   |  |
| Neptune Meter Co., meters and coupling....                        | 276.00   |  |

WATER-WORKS.

|  |           |
|--|-----------|
| Newark Brass Works, rubber gaskets.....              | \$7.99    |
| Norwood Engineering Co., hydrants and heads .....    | 675.80    |
| F. F. Osgood, packing.....                           | 15.00     |
| Perry Oil Co., oil.....                              | 151.79    |
| Pike & Heald Co., pipe, etc.....                     | 471.51    |
| Pittsburg Meter Co., meters.....                     | 464.00    |
| Rensselaer Manufacturing Co., gates and valves ..... | 469.20    |
| Richards & Co., lead and solder.....                 | 695.04    |
| Smith Box & Lumber Co., boxes.....                   | 84.00     |
| C. D. Steele & Co., soap.....                        | 4.91      |
| John H. Stevens, hose, couplings, etc.....           | 19.41     |
| Snow Steam Pump Works, supplies.....                 | 416.64    |
| Thomas Manufacturing Co., paint.....                 | 13.80     |
| Thomson Meter Co., meters.....                       | 491.70    |
| Tragle Cordage Co., packing.....                     | 36.08     |
| Union Grocery Co., gasoline.....                     | 33.30     |
| Union Water Meter Co., supplies.....                 | 348.95    |
| Valvoline Oil Co., oil.....                          | 177.59    |
| Walworth Manufacturing Co., head and bolt,           | 2.66      |
| West Side Lumber Co., lumber.....                    | 20.20     |
| Westinghouse Air Brake Co., rod, gasket, etc. ....   | 25.65     |
| J. H. Wiggin Co., soap.....                          | 2.64      |
| R. D. Wood & Co., pipe.....                          | 15,254.51 |
| Henry R. Worthington, meters.....                    | 172.00    |

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\$30,095.66

REPAIRS.

|  |         |
|--|---------|
| J. J. Abbott, paint, paper and labor.....            | \$66.72 |
| Amoskeag Manufacturing Co., material and labor ..... | 521.97  |
| American Locomotive Co., drilling hydrant shoe ..... | 3.00    |
| E. M. Bryant & Co., material and labor....           | 245.41  |
| Forrest E. Bean, lumber and screws.....              | 2.25    |
| E. P. Cornish, labor on bolts.....                   | 1.26    |
| M. T. Davidson Co., repairing pump.....              | 715.21  |
| Ira W. Dickey, labor with team.....                  | 8.00    |
| Herman Fischer, lumber and labor.....                | 44.47   |
| Hersey Manufacturing Co., repairing meters           | 4.93    |
| J. Hodge, lumber and labor.....                      | 6.87    |
| Manchester Machine Works, repairs.....               | 40.35   |
| J. H. Mendell Co., plank.....                        | 4.22    |
| National Meter Co., repairing meters.....            | 199.47  |
| Neptune Meter Co., repairing meters.....             | 38.77   |

|  |            |
|--|------------|
| N. H. Chimney Sweep Co., rebuilding chimneys, sweeping, etc..... | \$13.50    |
| Powell & Clarkson, lumber and labor.....                         | 859.30     |
| Robie Consolidated Concrete Co., repairs....                     | 5.32       |
| W. L. Roper, kalsomining.....                                    | 18.00      |
| John H. Stevens, material and labor.....                         | 410.47     |
| Thomson Meter Co., repairing meters.....                         | 75.41      |
| Union Water Meter Co., repairing meters...                       | 145.31     |
| H. R. Worthington, repairing meters.....                         | 2.90       |
|  | <hr/>      |
|  | \$3,429.11 |

## SUNDRIES.

|   |              |
|---|--------------|
| Town of Auburn, taxes.....                                  | \$786.71     |
| H. A. Boone, labor, moth nests from trees..                 | 17.25        |
| Dudley & Sawyer, work on gates.....                         | 157.50       |
| Sarah Pennock, rent of house.....                           | 100.00       |
| Harrison Preston, lease of land.....                        | 75.00        |
| James Ried, carting 2 boilers to high service station ..... | 100.00       |
| Alfred Roberge & Co., removing moth nests,                  | 496.83       |
| Street & park commission, cleaning off moth nests .....     | 3.73         |
| Sinking fund commissioners:                                 |              |
| Payment of water bonds.....                                 | 5,000.00     |
| Hydrant rentals .....                                       | 22,025.00    |
| J. G. Taggart, advertising and services as auctioneer ..... | 122.00       |
|   | <hr/>        |
|   | \$28,884.02  |
| Total expenditures .....                                    | \$111,921.78 |
| Transferred to interest account.....                        | 29,500.00    |
| Transferred to new account.....                             | 81,864.94    |
|   | <hr/>        |
|   | \$223,286.72 |
|   | <hr/> <hr/>  |

## Pine Grove Cemetery.

|                                  |             |
|----------------------------------|-------------|
| Appropriation .....              | \$19,500.00 |
| Received from sale of bonds..... | 21,000.00   |
|                                  | <hr/>       |
|                                  | \$40,500.00 |
|                                  | <hr/> <hr/> |

## EXPENDITURES.

## LABOR.

|                |          |
|----------------|----------|
| January .....  | \$396.73 |
| February ..... | 473.09   |
| March .....    | 522.17   |



PINE GROVE CEMETERY.

|                 |          |
|-----------------|----------|
| April .....     | \$936.86 |
| May .....       | 1,163.07 |
| June .....      | 1,305.42 |
| July .....      | 1,091.42 |
| August .....    | 1,500.66 |
| September ..... | 1,003.68 |
| October .....   | 863.91   |
| November .....  | 1,128.69 |
| December .....  | 503.65   |

\$10,889.35

FUEL, INSURANCE, TELEPHONE, WATER.

|   |          |
|---|----------|
| C. M. Ederly, insurance premium.....                            | \$112.24 |
| New England Telephone & Telegraph Co.,<br>use of telephone..... | 27.10    |
| Union Coal Co., coal.....                                       | 245.88   |
| Water commissioners, use of water.....                          | 684.00   |

\$1,069.22

PRINTING AND STATIONERY.

|   |         |
|---|---------|
| E. H. Chadbourne, envelopes.....              | \$21.24 |
| John B. Clarke Co., printing receipts, etc... | 14.00   |
| E. A. Stratton Co., printing blanks.....      | 3.50    |
| J. A. Williams, printing cards.....           | 2.50    |

\$41.24

REPAIRS AND IMPROVEMENTS.

|  |           |
|--|-----------|
| Boston & Maine Railroad, freight.....                                    | \$2.47    |
| F. J. Bixby, plants.....   | 24.50     |
| E. M. Bryant & Co., lamps.....   | 2.42      |
| Chelmsford Foundry Co., grave markers....                                | 62.50     |
| W. P. Farmer, assignee, 87 3-10 acres land,<br>addition to cemetery..... | 19,602.00 |
| R. & J. Farquhar & Co., hotbed mats.....                                 | 22.28     |
| Granite State Mowing Machine Co., machine<br>parts .....                 | 24.50     |
| J. Hodge, sash, blinds, hubs.....  | 10.41     |
| A. P. Horne & Co., shrubs, etc.....                                      | 116.80    |
| C. A. Hoitt Co., paper.....  | 4.02      |
| Manchester Awning Co., repairing tent....                                | 10.00     |
| Manchester Hardware Co., tools and hard-<br>ware .....                   | 7.23      |
| Manchester Rendering Co., ground tankage,                                | 30.00     |
| Manchester Supply Co., pipe.....   | 250.77    |
| Manchester Traction, Light & Power Co.,<br>lights in chapel.....         | 13.11     |

|  |          |             |
|--|----------|-------------|
| The J. L. Mott Iron Works, 1 drinking fountain .....     | \$33.45  |             |
| H. W. Parker, cement.....                                | 6.00     |             |
| Palmer & Garmon, slate bounds, and figures,              | 155.28   |             |
| Pike & Heald Co., material and labor.....                | 94.74    |             |
| C. O. Polson, paint and labor.....                       | 551.32   |             |
| E. W. Poore, paper and labor.....                        | 17.75    |             |
| Sarah A. Ray and Electa M. Priest, 6.27 acres land ..... | 4,500.00 |             |
| Reade Manufacturing Co., herbicide.....                  | 40.00    |             |
| John H. Stevens, labor on plumbing.....                  | 16.36    |             |
| James Thompson, loam.....                                | 393.00   |             |
| John B. Varick Co., tools and hardware....               | 275.65   |             |
| West Side Lumber Co., lumber and labor....               | 94.10    |             |
|  |          | \$26,360.66 |

## TEAM EXPENSES.

|   |          |          |
|---|----------|----------|
| Adams Bros., grain.....                   | \$403.10 |          |
| Arthur S. Brown, hay.....                 | 50.38    |          |
| Frank Casavant, harness repairs, etc..... | 13.40    |          |
| S. P. Dodge Co., blacksmithing.....       | 17.40    |          |
| J. Louis Poor, hay.....                   | 51.00    |          |
| J. O. & L. P. Tremblay, horseshoeing..... | 39.00    |          |
|   |          | \$574.28 |

## SUNDRIES.

|   |         |             |
|---|---------|-------------|
| W. G. Berry, insurance premium.....   | \$15.00 |             |
| Everett & Bunton, insurance premium.....  | 12.00   |             |
| J. H. Erskine, expenses attending convention of American Cemetery Superintendents' association, Chattanooga, Tenn.... | 95.00   |             |
| Edwin F. Jones, annual report of subtrustees .....  | 25.00   |             |
|   |         | \$147.00    |
| Total expenditures .....  |         | \$39,081.75 |
| Transferred to new account.....   |         | 1,398.00    |
| Transferred to unappropriated money.....  |         | 20.25       |
|   |         | \$40,500.00 |
|   |         | \$40,500.00 |

## Valley Cemetery.

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$5,300.00 |
|---------------------|------------|

## EXPENDITURES.

## LABOR.

|                 |          |
|-----------------|----------|
| January .....   | \$208.50 |
| February .....  | 261.45   |
| March .....     | 208.50   |
| April .....     | 335.56   |
| May .....       | 376.12   |
| June .....      | 549.49   |
| July .....      | 405.11   |
| August .....    | 441.87   |
| September ..... | 355.25   |
| October .....   | 363.74   |
| November .....  | 380.62   |
| December .....  | 309.00   |

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 \$4,195.21

## FUEL, STATIONERY, TELEPHONE, WATER.

|   |         |
|---|---------|
| New England Telephone & Telegraph Co.,<br>use of telephone..... | \$25.80 |
| E. Park Stevens, typewriting.....                               | 2.00    |
| Temple & Farrington Co., blankbook.....                         | 3.00    |
| J. F. Wyman, coal.....  | 45.00   |
| Water commissioners, use of water.....                          | 165.50  |

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 \$241.30

## PLANTS, LOAM, ETC.

|   |         |
|---|---------|
| Bridget Clune, dressing.....            | \$16.50 |
| W. E. Dunbar & Sons, turf and loam..... | 272.48  |
| Charles R. Fish & Co., plants.....      | 27.50   |
| A. P. Horne & Co., shrubs.....          | 70.00   |
| Pine Grove cemetery, plants.....        | 68.80   |

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 \$455.28

## REPAIRS AND IMPROVEMENTS.

|   |        |
|---|--------|
| F. L. Allen, 1 grindstone.....                | \$3.00 |
| C. H. Allyson, blacksmithing.....             | 3.70   |
| Boston & Maine Railroad, freight.....         | .98    |
| Head & Dowst Co., lumber.....                 | 29.76  |
| C. A. Hoitt Co., repairing chairs.....        | 2.00   |
| H. W. Parker, cement.....                     | 7.60   |
| Palmer & Garmon, material and labor.....      | 13.55  |
| Pike & Heald Co., pipe.....                   | 2.16   |
| E. C. Smith, overalls and rubbers.....        | 10.40  |
| John B. Varick Co., tools, hardware, etc..... | 84.62  |
| C. L. Wolf, plumbing repairs.....             | 1.25   |

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 \$159.02

## TEAM EXPENSES.

|  |         |                 |
|--|---------|-----------------|
| H. J. Dexter, horseshoeing.....                                  | \$15.85 |                 |
| F. H. Masse & Co., grain.....                                    | 83.20   |                 |
| J. B. McCrillis & Son, painting and lettering<br>wagon, etc..... | 21.15   |                 |
| Joseph Vogel & Co., harness repairs.....                         | 9.15    |                 |
|  |         | <u>\$129.35</u> |

## SUNDRIES.

|  |         |                 |
|--|---------|-----------------|
| F. C. Livingston, clerk for trustees.....  | \$10.00 |                 |
| E. C. Smith, expenses attending convention<br>of American Cemetery Superintendents'<br>association, Chattanooga, Tenn..... | 100.00  |                 |
|  |         | <u>\$110.00</u> |

|  |                   |
|--|-------------------|
| Total expenditures .....                 | \$5,290.16        |
| Transferred to unappropriated money..... | 9.84              |
|  | <u>\$5,300.00</u> |

**Amoskeag Cemetery.**

|                     |                 |
|---------------------|-----------------|
| Appropriation ..... | <u>\$700.00</u> |
|---------------------|-----------------|

## EXPENDITURES.

## LABOR.

|                        |         |                 |
|------------------------|---------|-----------------|
| John Crabtree.....     | \$63.01 |                 |
| George C. Harwood..... | 213.00  |                 |
|                        |         | <u>\$276.01</u> |

## SUNDRIES.

|  |        |                 |
|--|--------|-----------------|
| D. J. Adams Co., use of team.....                      | \$2.00 |                 |
| John Francis, plants.....                              | 5.00   |                 |
| Manchester Hardware Co., rake, seed, etc....           | 28.34  |                 |
| Maxwell Ice Co., loam.....                             | 43.75  |                 |
| Palmer & Garmon, setting posts, hanging<br>gates ..... | 200.00 |                 |
| John B. Varick Co., 2 gates, etc.....                  | 103.32 |                 |
| Water commissioners, use of water.....                 | 12.00  |                 |
|  |        | <u>\$394.41</u> |

|  |                 |
|--|-----------------|
| Total expenditures .....                 | \$670.42        |
| Transferred to unappropriated money..... | 29.58           |
|  | <u>\$700.00</u> |

**Merrill Yard.**

Appropriation ..... \$100.00

EXPENDITURES.

LABOR.

|                 |         |         |
|-----------------|---------|---------|
| April .....     | \$16.40 |         |
| May .....       | 6.50    |         |
| June .....      | 8.25    |         |
| July .....      | 8.25    |         |
| September ..... | 9.75    |         |
| November .....  | 29.99   |         |
| December .....  | 17.85   |         |
|                 |         | \$96.99 |

|  |          |
|--|----------|
| Total expenditures .....                 | \$96.99  |
| Transferred to unappropriated money..... | 3.01     |
|  | \$100 00 |

**Repairs of Schoolhouses.**

Appropriation ..... \$10,000.00

EXPENDITURES.

MASONWORK.

Elmer E. Reed..... \$190.25

PAINTING AND GLAZING.

|                      |          |            |
|----------------------|----------|------------|
| J. J. Abbott .....   | \$864.00 |            |
| John Bryson .....    | 453.73   |            |
| G. B. Cressey.....   | 670.88   |            |
| Joel S. Daniels..... | 876.93   |            |
| W. J. Powers.....    | 2.85     |            |
| E. W. Poore.....     | 398.77   |            |
| W. H. Tebbitts.....  | 34.23    |            |
|                      |          | \$3,301.39 |

PLUMBING, MATERIAL AND REPAIRS.

|   |        |
|---|--------|
| D. J. Adams & Co., repairing locks.....                             | \$0.50 |
| Amoskeag Manufacturing Co., repairing boiler, boards and labor..... | 83.56  |
| O. F. Bartlett & Co., steamfitting.....                             | 31.03  |

|  |          |
|--|----------|
| Barton & Co., shades.....  | \$14.79  |
| Bisson & Jodoin, repairing and cleaning furnaces .....               | 44.44    |
| Burlington Venetian Blind Co., tape.....                             | 17.28    |
| O. D. Case Co., blackboards.....                                     | 104.22   |
| Chamberlin Metal Weather Strip Co., weather-stripping 7 windows..... | 54.92    |
| G. W. Darrah, roofing material and labor...                          | 29.80    |
| Farrell Bros., electric supplies and repairs..                       | 87.46    |
| A. L. Franks & Co., electric supplies and repairs .....              | 268.97   |
| Fischer & Co., repairing finial and new conductor, etc.....          | 591.54   |
| N. J. Fontaine, reseating chairs.....                                | 3.30     |
| F. L. Geiger & Co., castings and labor.....                          | 8.55     |
| Head & Dowst Co., material and labor.....                            | 985.65   |
| G. H. Hammond, material and labor.....                               | 1,390.14 |
| Peter Harris & Son, keys.....  | .50      |
| C. A. Hoitt Co., shades and repairs.....                             | 20.30    |
| J. Hodge, 1 window.....  | 10.40    |
| Hubbard Sash & Blind Factory, 1 door.....                            | 6.00     |
| H. J. Lawson, material and labor.....                                | 14.76    |
| Leighton Machine Co., making bolts.....                              | 2.14     |
| F. D. Leighton, steamfitting, repairs.....                           | 191.54   |
| Albert M. Lewis, plumbing repairs.....                               | 115.34   |
| C. F. McDonald, plumbing repairs.....                                | 18.35    |
| Manchester Supply Co., seats, etc.....                               | 7.15     |
| F. L. Noyes, cement and labor.....                                   | 2.80     |
| People's Gas-light Co., mantles, globes, chimneys .....              | 30.90    |
| H. A. Piper, material and labor.....                                 | 38.88    |
| Pike & Heald Co., plumbing, steam and gas fitting .....              | 346.39   |
| Robie Consolidated Concrete Co., concrete..                          | 109.84   |
| John H. Rice, freight on blackboards.....                            | 3.00     |
| Raiche & Prince, refinishing inside Amoskeag school .....            | 325.00   |
| Stevens & Bradley, plumbing.....                                     | 24.02    |
| John H. Stevens, gas, plumbing and steamfitting .....                | 1,224.32 |
| Frank Sargent, chair springs.....                                    | 7.60     |
| E. F. Tuson, keys.....   | 1.15     |
| John B. Varick Co., hardware.....                                    | 144.98   |
| C. L. Wolf, plumbing.....  | 13.38    |
| Frank E. Woodward & Co., dampers.....                                | 36.00    |
| West Side Lumber Co., lumber, etc.....                               | 98.59    |

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 \$6,309.48



SUNDRIES.

|  |        |                    |
|--|--------|--------------------|
| Forrest Bean, cleaning vaults.....                                       | \$4.00 |                    |
| J. A. Colby, cleaning vaults.....  | 57.00  |                    |
| Manchester Typewriter Exchange, 12 sets<br>specifications and paper..... | 6.50   |                    |
| Byron E. Moore, labor, men and team.....                                 | 6.25   |                    |
| J. H. Rice, paid freight.....  | 6.58   |                    |
| James Ried, cartage.....   | 5.00   |                    |
| Travelers' Insurance Co., boiler insurance..                             | 80.00  |                    |
|  |        | <u>\$165.33</u>    |
| Total expenditures .....   |        | <u>\$9,966.45</u>  |
| Transferred to unappropriated money.....                                 |        | 33.55              |
|  |        | <u>\$10,000.00</u> |

**Books and Stationery.**

|                     |         |
|---------------------|---------|
| Appropriation ..... | \$50.00 |
|---------------------|---------|

EXPENDITURES.

SUNDRIES.

|  |        |                |
|--|--------|----------------|
| J. E. Bernier, printing cards.....       | \$6.25 |                |
| H. L. Davis, stamped envelopes.....      | 10.62  |                |
| Temple & Farrington Co., blank book..... | 1.25   |                |
|  |        | <u>\$18.12</u> |
| Total expenditures .....                 |        | <u>\$18.12</u> |
| Transferred to unappropriated money..... |        | 31.88          |
|  |        | <u>\$50.00</u> |

**Printing and Advertising.**

|   |          |                 |
|---|----------|-----------------|
| Appropriation .....                       | \$500.00 |                 |
| Transferred from unappropriated money.... | 17.33    |                 |
|   |          | <u>\$517.33</u> |

EXPENDITURES.

|   |          |                 |
|---|----------|-----------------|
| John B. Clarke Co., printing examination<br>papers, cards, blanks, etc..... | \$479.06 |                 |
| John B. Clarke Co., advertising.....  | 9.50     |                 |
| Manchester Union Co., advertising.....                                      | 28.77    |                 |
|   |          | <u>\$517.33</u> |
| Total expenditures .....  |          | <u>\$517.33</u> |

## Furniture and Supplies.

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,500.00 |
|---------------------|------------|

## EXPENDITURES.

## SUPPLIES.

|  |        |
|--|--------|
| Atkinson, Mentzer & Grover, paper.....                 | \$4.10 |
| C. W. Bickford, postage.....                           | 30.30  |
| Milton Bradley Co., tables.....                        | 12.30  |
| John B. Clarke Co., printing cards.....                | 25.00  |
| W. P. Goodman, stationery.....                         | .65    |
| Granite State Rubber Co., matting.....                 | 8.80   |
| James W. Hill Co., flags.....                          | 36.90  |
| Head & Dowst Co., sand tables, etc.....                | 27.72  |
| G. H. Libbey, postage.....                             | 12.53  |
| Manchester Traction, Light & Power Co.,<br>lamps ..... | .95    |
| F. E. Nelson, cups.....                                | .60    |
| Novelty Co., stamp and pad.....                        | .80    |
| F. F. Osgood, enamel cloth.....                        | .75    |
| Stanley Liquid Soap Co., soap.....                     | 15.80  |
| Temple & Farrington Co., pencil sharpener,             | 1.00   |

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\$178.20

## FURNITURE, ETC.

|   |         |
|---|---------|
| C. W. Anderson & Co., clocks.....                     | \$10.50 |
| J. L. Hammett Co., blackboard.....                    | 14.85   |
| C. A. Hoitt Co., glassware, furniture.....            | 138.85  |
| Kenney Bros. & Wolkins, desks and ink-<br>wells ..... | 267.05  |
| People's Gas-light Co., gascooker and tubing          | 18.50   |
| C. A. Trefethen, clocks.....                          | 7.00    |
| John B. Varick Co., baskets, twine, etc.....          | 10.86   |

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\$467.61

## SUNDRIES.

|   |        |
|---|--------|
| Archie Coldwell, use of chairs.....         | \$1.50 |
| W. F. Henderson, moving furniture, etc..... | .75    |
| J. G. Jones, cartage.....                   | 13.83  |
| A. A. Jenkins, tuning pianos.....           | 30.50  |
| C. A. Hoitt Co., use of chairs.....         | 47.17  |
| J. S. Mills, repairing typewriters.....     | 35.00  |
| H. A. Piper, labor.....                     | 19.20  |
| Smith Bros. Piano Co., rent of pianos.....  | 135.00 |
| James Ried, moving piano.....               | 2.00   |

FUEL.

119

|   |        |                   |
|---|--------|-------------------|
| F. L. Wallace, use of chairs.....                     | \$2.50 |                   |
| Williams Manufacturing Co., rent of typewriters ..... | 35.00  |                   |
|   |        | <u>\$322.45</u>   |
| Total expenditures .....                              |        | \$968.26          |
| Transferred to unappropriated money.....              |        | 531.74            |
|   |        | <u>\$1,500.00</u> |

Fuel.

|                     |                    |
|---------------------|--------------------|
| Appropriation ..... | <u>\$12,000.00</u> |
|---------------------|--------------------|

EXPENDITURES.

COAL.

|                              |          |                    |
|------------------------------|----------|--------------------|
| L. B. Bodwell & Co.....      | \$902.52 |                    |
| Moore & Preston Coal Co..... | 8,705.85 |                    |
| Union Coal Co.....           | 713.88   |                    |
|                              |          | <u>\$10,322.25</u> |

WOOD.

|                          |          |                 |
|--------------------------|----------|-----------------|
| S. A. Blood .....        | \$212.50 |                 |
| W. E. Dunbar & Sons..... | 504.00   |                 |
| Maxwell Ice Co.....      | 142.01   |                 |
|                          |          | <u>\$858.51</u> |

SUNDRIES.

|  |        |                 |
|--|--------|-----------------|
| Amoskeag Manufacturing Co., 1 tank.....                      | \$5.00 |                 |
| C. B. Clarkson, weighing coal.....                           | 164.00 |                 |
| F. D. Leighton, pipe and labor.....                          | 7.28   |                 |
| E. G. Libbey, use of teams.....                              | 29.00  |                 |
| J. J. McAllister, weighing coal.....                         | 5.78   |                 |
| W. H. Newry, extra services.....                             | 19.25  |                 |
| Stevens & Bradley, flue brushes.....                         | .70    |                 |
| John H. Stevens, repairing oil pump.....                     | 6.21   |                 |
| John B. Varick Co., ash cans, rakes, pails, brooms, etc..... | 37.69  |                 |
|  |        | <u>\$274.91</u> |

|  |  |                    |
|--|--|--------------------|
| Total expenditures .....                 |  | \$11,455.67        |
| Transferred to unappropriated money..... |  | 544.33             |
|  |  | <u>\$12,000.00</u> |

## Contingent Expenses.

|   |            |                   |
|---|------------|-------------------|
| Appropriation .....                     | \$3,500.00 |                   |
| Transferred from unappropriated money.. | 776.10     |                   |
|   |            | <u>\$4,276.10</u> |

## EXPENDITURES.

## ELECTRIC LIGHTS, GAS, WATER.

|  |          |                   |
|--|----------|-------------------|
| Manchester Traction, Light & Power Co.,<br>electric lights ..... | \$613.74 |                   |
| People's Gas-light Co., gas.....                                 | 405.79   |                   |
| Water commissioners, use of water.....                           | 1,518.02 |                   |
|  |          | <u>\$2,537.55</u> |

## CARRYING WATER.

|                   |         |                |
|-------------------|---------|----------------|
| Eva M. Bean ..... | \$17.00 |                |
| Emma J. Ela.....  | 19.00   |                |
| G. M. Morse.....  | 19.00   |                |
|                   |         | <u>\$55.00</u> |

## USE OF TEAMS.

|                          |         |                   |
|--------------------------|---------|-------------------|
| Ethel M. Bartlett.....   | \$76.00 |                   |
| C. W. Bickford .....     | 150.00  |                   |
| Maude E. Brown.....      | 55.50   |                   |
| C. W. Davis .....        | 150.00  |                   |
| Emma J. Ela .....        | 35.00   |                   |
| Chas. I. Hardy.....      | 410.00  |                   |
| Rena P. Kneel.....       | 1.00    |                   |
| Elizabeth McKelvie ..... | 3.00    |                   |
| Mildred Morey .....      | 76.00   |                   |
| Marion F. Partridge..... | 76.00   |                   |
|                          |         | <u>\$1,032.50</u> |

## SUNDRIES.

|   |        |                          |
|---|--------|--------------------------|
| C. W. Bickford, expenses securing teacher..                       | \$3.85 |                          |
| Boston Bank Note Co., diplomas.....                               | 213.50 |                          |
| L. M. Folsom, ribbon.....   | 32.16  |                          |
| J. H. Hesser, engrossing diplomas.....                            | 41.85  |                          |
| New England Telephone & Telegraph Co.,<br>telephone tolls .....   | 5.59   |                          |
| Pay-roll, extra grading Youngsville school<br>lot .....           | 149.70 |                          |
| Park Theater lessees, rent of theater and<br>special tickets..... | 127.00 |                          |
| Smith Bros.' Piano Co., rent of pianos.....                       | 45.00  |                          |
| Victor E. Stevens, engrossing diplomas.....                       | 32.40  |                          |
|   |        | <u>\$651.05</u>          |
| Total expenditures .....  |        | <u><u>\$4,276.10</u></u> |

## Care of Schoolrooms.

|   |             |                    |
|---|-------------|--------------------|
| Appropriation .....                       | \$10,500.00 |                    |
| Transferred from unappropriated money.... | 88.42       |                    |
|   |             | <u>\$10,588.42</u> |

## EXPENDITURES.

## JANITORS.

|                          |          |                   |
|--------------------------|----------|-------------------|
| John S. Avery .....      | \$529.11 |                   |
| Edwin N. Baker .....     | 370.77   |                   |
| Marshall N. Badger ..... | 235.40   |                   |
| Eva M. Bean .....        | 36.00    |                   |
| James H. Buffum .....    | 658.31   |                   |
| John Cedar .....         | 541.62   |                   |
| Joseph Chalifoux .....   | 187.50   |                   |
| Charles H. Corey .....   | 235.40   |                   |
| Irving W. Corning .....  | 208.30   |                   |
| Emma J. Ela .....        | 38.00    |                   |
| Wm. F. Henderson .....   | 538.36   |                   |
| Louis Hueber .....       | 235.40   |                   |
| Edward J. Ivers .....    | 225.72   |                   |
| Charles F. Jack .....    | 809.56   |                   |
| George H. Jack .....     | 670.77   |                   |
| Harvey H. Johnson .....  | 166.65   |                   |
| John J. Kelley .....     | 608.27   |                   |
| Edward Linehan .....     | 166.65   |                   |
| Hugh McVicker .....      | 638.27   |                   |
| Wm. H. Newry .....       | 570.81   |                   |
| Wm. J. Powers .....      | 608.27   |                   |
| E. A. Powers .....       | 208.30   |                   |
| Arabella Rickaby .....   | 43.50    |                   |
| Philip Rogler .....      | 208.30   |                   |
| Dennis Sullivan .....    | 457.05   |                   |
| John I. Thompson .....   | 19.00    |                   |
| William Tufts .....      | 208.30   |                   |
| Inez M. Warren .....     | 42.50    |                   |
|                          |          | <u>\$9,466.09</u> |

## SUNDRIES.

|   |        |
|---|--------|
| Amoskeag Manufacturing Co., soap .....                      | \$7.22 |
| C. N. Baker, cleaning .....                                 | 8.00   |
| E. L. Bohan, horsehire .....                                | 13.50  |
| J. Cadott, making poker .....                               | 1.25   |
| C. L. Chase & Son, floor dressing, oilers....               | 12.75  |
| John B. Clarke Co., printing circulars, cards,<br>etc. .... | 23.50  |

|   |             |
|---|-------------|
| Joel S. Daniels, floor dressing.....          | \$55.65     |
| Daniels-Cornell Co., soap.....                | 13.00       |
| Farrell Bros., desk light .....               | 5.25        |
| S. A. Felton & Son Co., brushes and handles,  | 138.90      |
| C. F. Jack, cleaning, moving supplies, car-   |             |
| fares, etc. ....                              | 68.65       |
| J. G. Jones, cartage.....                     | 2.65        |
| W. P. Goodman, stationery.....                | 4.03        |
| W. E. Goodwin, plungers.....                  | 12.60       |
| Henry Goudreault, blacksmithing.....          | 1.75        |
| W. S. Holt & Son, cloth remnants.....         | 13.25       |
| Howard Dustless Duster Co., brushes, and      |             |
| dusters .....                                 | 65.00       |
| J. J. Kelley, oiling floors.....              | 35.00       |
| Paul Lavalley, cleaning.....                  | 3.00        |
| F. D. Leighton, fluebrush.....                | 1.50        |
| Manchester Hardware Co., pails, dusters, etc. | 15.40       |
| Mrs. W. A. Marshall, cleaning.....            | 3.50        |
| J. B. McCrillis & Son, making fire irons....  | 6.65        |
| McDonald Bros., new shovel and rake.....      | 1.50        |
| J. J. Moreau & Son, mops.....                 | 7.20        |
| New England Telephone & Telegraph Co.,        |             |
| tolls .....                                   | 5.13        |
| F. E. Nelson, basins and pans.....            | 6.10        |
| F. F. Osgood, hose reel, etc.....             | 51.50       |
| Pike & Heald Co., packing and shovels.....    | .75         |
| Eugene Quirin, boiler and oil.....            | 1.45        |
| E. F. Tuson, making keys.....                 | 6.67        |
| John B. Varick Co., hose, shovels, brooms,    |             |
| wheelbarrow, etc.....                         | 410.38      |
| Irene Wallis, typewriting rules.....          | 2.00        |
| West Disinfecting Co., disinfectant.....      | 116.55      |
| G. F. Wenzel, blacksmithing.....              | .50         |
| Wiggin-Young Co., oil.....                    | .60         |
|   | <hr/>       |
|   | \$1,122.33  |
|   | <hr/>       |
| Total expenditures .....                      | \$10,588.42 |
|   | <hr/> <hr/> |

### Evening Schools.

|  |             |
|--|-------------|
| Appropriation .....                      | \$1,800.00  |
| Transferred from unappropriated money... | 14.69       |
|  | <hr/>       |
|  | \$1,814.69  |
|  | <hr/> <hr/> |



## EXPENDITURES.

## SALARIES.

|                             |         |            |
|-----------------------------|---------|------------|
| Arthur D. Benton .....      | \$58.00 |            |
| Arthur B. Blaine.....       | 58.00   |            |
| Minnie R. Bryant .....      | 16.00   |            |
| Harold C. Caine.....        | 47.00   |            |
| Honorie J. Crough.....      | 116.00  |            |
| Joseph F. Doyle .....       | 28.00   |            |
| John J. Donnelly .....      | 37.00   |            |
| Ferdinand Farley .....      | 110.00  |            |
| Carroll S. King.....        | 116.00  |            |
| Frank J. Kearns.....        | 58.00   |            |
| Margaret G. Linen.....      | 58.00   |            |
| Sarah T. Lyons.....         | 22.00   |            |
| John J. McAllister, Jr..... | 112.00  |            |
| Thomas A. McCabe, Jr.....   | 30.00   |            |
| K. F. McDonald.....         | 58.00   |            |
| Arthur P. Morrill.....      | 58.00   |            |
| Myra V. Moore.....          | 58.00   |            |
| Adelia Murphy .....         | 58.00   |            |
| Lawrence A. O'Connor.....   | 54.00   |            |
| Harry E. Pillsbury.....     | 32.00   |            |
| Florence A. Prescott.....   | 43.00   |            |
| Edwin M. Rogers.....        | 58.00   |            |
| C. A. Savory.....           | 58.00   |            |
| Jessie P. Stevens.....      | 58.00   |            |
| John W. Sullivan.....       | 46.00   |            |
| Minnie Sullivan .....       | 54.00   |            |
| Nora Sullivan .....         | 54.00   |            |
| Arthur J. Tonery.....       | 58.00   |            |
| Genieve B. Wilson.....      | 58.00   |            |
| Mary D. Young.....          | 58.00   |            |
|                             |         | \$1,729.00 |

## SUNDRIES.

|   |         |            |
|---|---------|------------|
| John B. Clarke Co., printing cards.....     | \$19.50 |            |
| Farrell Bros., mantles, chimneys, labor.... | 27.60   |            |
| D. C. Heath & Co., books.....               | 38.59   |            |
|   |         | \$85.69    |
| Total expenditures .....                    |         | \$1,814.69 |

## Evening School.--Mechanical Drawing.

|  |          |                          |
|--|----------|--------------------------|
| Appropriation .....                      |          | \$300.00                 |
|  |          | <u><u>          </u></u> |
| EXPENDITURES.                            |          |                          |
| SALARIES.                                |          |                          |
| Henry W. Allen, teacher.....             | \$120.00 |                          |
| John M. Kendall, teacher.....            | 120.00   |                          |
|  |          | <u>          </u>        |
|  |          | \$240.00                 |
| SUNDRIES.                                |          |                          |
| John Cedar, janitor.....                 | \$3.50   |                          |
| Frost & Adams, paper.....                | 24.50    |                          |
|  |          | <u>          </u>        |
|  |          | \$28.00                  |
| Total expenditures .....                 |          | \$268.00                 |
| Transferred to unappropriated money..... |          | 32.00                    |
|  |          | <u>          </u>        |
|  |          | \$300.00                 |
|  |          | <u><u>          </u></u> |

## Teachers' Salaries.

|  |             |                          |
|--|-------------|--------------------------|
| Appropriation .....                      |             | \$120,000.00             |
|  |             | <u><u>          </u></u> |
| EXPENDITURES.                            |             |                          |
| SALARIES.                                |             |                          |
| January .....                            | \$12,050.08 |                          |
| February .....                           | 12,543.85   |                          |
| March .....                              | 12,290.79   |                          |
| April .....                              | 9,300.79    |                          |
| May .....                                | 12,422.68   |                          |
| June .....                               | 12,459.71   |                          |
| September .....                          | 9,285.34    |                          |
| October .....                            | 12,428.48   |                          |
| November .....                           | 12,632.26   |                          |
| December .....                           | 12,840.62   |                          |
|  |             | <u>          </u>        |
|  |             | \$118,254.60             |
| Total expenditures .....                 |             | \$118,254.60             |
| Transferred to unappropriated money..... |             | 1,745.40                 |
|  |             | <u>          </u>        |
|  |             | \$120,000.00             |
|  |             | <u><u>          </u></u> |

## Free Text-books.

|  |            |                   |
|--|------------|-------------------|
| Appropriation .....                      | \$7,000.00 |                   |
| Transferred from unappropriated money... | 185.99     |                   |
|  |            | <u>\$7,185.99</u> |

## EXPENDITURES.

## FREE TEXT-BOOKS AND SUPPLIES.

|                                   |          |
|-----------------------------------|----------|
| Allyn & Bacon.....                | \$60.13  |
| American Book Co.....             | 1,800.74 |
| Amoskeag Manufacturing Co.....    | 44.92    |
| Atkinson, Mentzer & Grover.....   | 97.25    |
| D. Appleton & Co.....             | 4.61     |
| Bausch & Lomb Optical Co.....     | 84.05    |
| E. E. Babb & Co.....              | 1,228.33 |
| The Barton Co.....                | 24.21    |
| Milton Bradley Co.....            | 398.89   |
| E. M. Bryant & Co.....            | 10.10    |
| T. H. Castor & Co.....            | 40.25    |
| Oliver Ditson Co.....             | 7.21     |
| Joseph Dixon Crucible Co.....     | 87.50    |
| B. F. Elwell Glue Co.....         | 4.60     |
| Frederick A. Fernald.....         | 1.45     |
| Frost & Adams Co.....             | 3.22     |
| J. R. Foster.....                 | 3.20     |
| Charles S. Frost.....             | 9.50     |
| Ginn & Co.....                    | 637.49   |
| Gregg Publishing Co.....          | 24.60    |
| W. P. Goodman.....                | 8.35     |
| M. M. Gingles.....                | .65      |
| J. L. Hammett Co.....             | 366.68   |
| D. C. Heath & Co.....             | 344.37   |
| C. Howard Hunt Pen Co.....        | 40.50    |
| Houghton, Mifflin & Co.....       | 56.45    |
| James W. Hill Co.....             | 43.71    |
| Hardy Printing Co.....            | 7.50     |
| Kenney Bros. & Wolkins.....       | 87.78    |
| W. E. King.....                   | 15.50    |
| Marine Biological Laboratory..... | 35.75    |
| Manchester Tea Co.....            | 2.13     |
| Charles E. Merrill Co.....        | 39.60    |
| Melvin & Fitts.....               | 176.05   |
| Novelty Co. ....                  | 12.10    |
| H. N. Pratt.....                  | 6.75     |
| Rand, McNally & Co.....           | 10.90    |

|  |          |            |
|--|----------|------------|
| Sibley & Co.....                             | \$26.51  |            |
| Silver, Burdett & Co.....                    | 355.96   |            |
| Smith Premier Typewriter Co.....             | 7.00     |            |
| B. H. Sanborn & Co.....                      | 28.32    |            |
| E. A. Stratton Co.....                       | 9.25     |            |
| Charles Scribner's Sons.....                 | 21.19    |            |
| Thompson-Brown Co. ....                      | 35.37    |            |
| Underwood Typewriter Co.....                 | 12.00    |            |
| John B. Varick Co.....                       | 28.20    |            |
| Walsh & Cummings.....                        | 44.08    |            |
| J. A. Williams.....                          | 4.80     |            |
| Wadsworth, Howland & Co.....                 | 80.45    |            |
|  |          | \$6,480.15 |
| SUNDRIES.                                    |          |            |
| J. G. Jones' Transfer, freight and cartage.. | \$105.84 |            |
| Fannie L. Sanborn, superintendent's clerk..  | 600.00   |            |
|  |          | \$705.84   |
| Total expenditures .....                     |          | \$7,185.99 |

### Manual Training.

|  |          |          |
|--|----------|----------|
| Appropriation .....                      | \$600.00 |          |
| Transferred from unappropriated money... | 5.28     |          |
|  |          | \$605.28 |

#### EXPENDITURES.

##### SUNDRIES.

|   |          |
|---|----------|
| Amoskeag Manufacturing Co., lumber and labor .....                              | \$155.10 |
| F. E. Browne, expenses, looking up teacher, visiting schools, Albany, N. Y..... | 20.55    |
| John B. Clarke Co., cardboard.....  | 3.25     |
| Mrs. N. J. Davis, laundering and repairing aprons .....                         | 2.50     |
| Eugene Dietzgen Co., supplies.....  | 26.33    |
| B. F. Elwell Glue Co., glue.....  | 3.80     |
| Favor, Ruhl & Co., jupiter wheels resharpened .....                             | 5.20     |
| L. M. Folsom, cloth.....  | 1.80     |
| J. L. Hammett Co., heavy paper.....   | 11.75    |
| Head & Dowst Co., sundry woods.....   | 10.68    |
| Hubbard Sash & Blind Factory, basswood and labor .....                          | 35.00    |

REPAIRS TO RIMMON SCHOOL.

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|  |        |                 |
|--|--------|-----------------|
| J. G. Jones, freight and cartage.....                        | \$1.04 |                 |
| Manual Arts Press, books.....                                | 5.95   |                 |
| Machinery, jig sheets.....                                   | 3.00   |                 |
| Manchester Traction, Light & Power Co.,<br>fuse plugs .....  | .60    |                 |
| Manning, Maxwell & Moore, 1 machine.....                     | 41.00  |                 |
| N. E. Box Co., sundry woods.....                             | 34.78  |                 |
| Oliver Machinery Co., 1 wood-trimmer.....                    | 25.80  |                 |
| Popular Mechanics Co., 2 copies "Amateur<br>Mechanics" ..... | .50    |                 |
| John B. Varick Co., hardware and tools.....                  | 191.40 |                 |
| John M. Wood & Co., wood.....                                | 25.25  |                 |
|  |        | \$605.28        |
| <br>Total expenditures .....                                 |        | <u>\$605.28</u> |

Repairs to Bakersville School.

|  |            |                   |
|--|------------|-------------------|
| Appropriation .....                      | \$7,500.00 |                   |
| Transferred from unappropriated money... | 92.00      |                   |
|  |            | <u>\$7,592.00</u> |
| EXPENDITURES.                            |            |                   |
| Bunton & Bernard, contract.....          | \$7,297.00 |                   |
| McFarland & Colby, architects.....       | 295.00     |                   |
|  |            | <u>\$7,592.00</u> |
| <br>Total expenditures .....             |            | <u>\$7,592.00</u> |

Repairs to Rimmon School.

|  |            |                   |
|--|------------|-------------------|
| Appropriation .....                      | \$7,500.00 |                   |
| EXPENDITURES.                            |            |                   |
| Bunton & Bernard, contract.....          | \$6,691.00 |                   |
| McFarland & Colby, architects.....       | 704.16     |                   |
|  |            | <u>\$7,395.16</u> |
| <br>Total expenditures .....             |            | <u>\$7,395.16</u> |
| Transferred to unappropriated money..... |            | 104.84            |
|  |            | <u>\$7,500.00</u> |

### Curbing and Walk Around Varney School.

|   |                      |                 |
|---|----------------------|-----------------|
| Appropriation .....                         |                      | \$750.00        |
|   | <u>EXPENDITURES.</u> |                 |
| Palmer & Garmon, curbing and steps.....     | \$694.00             |                 |
| Robie Consolidated Concrete Co., concrete.. | 55.33                |                 |
|   |                      | <u>\$749.33</u> |
| Total expenditures .....                    |                      | \$749.33        |
| Transferred to unappropriated money.....    |                      | .67             |
|   |                      | <u>\$750.00</u> |

### Grading Youngsville School Lot.

|  |                      |                 |
|--|----------------------|-----------------|
| Appropriation .....                      |                      | \$700.00        |
|  | <u>EXPENDITURES.</u> |                 |
|  | <u>LABOR.</u>        |                 |
| August .....                             |                      | \$593.49        |
|  | <u>SUNDRIES.</u>     |                 |
| Allen Chisholm Co., steps.....           | \$50.00              |                 |
| Robie Concrete Co., concrete.....        | 51.55                |                 |
|  |                      | <u>\$101.55</u> |
| Total expenditures .....                 |                      | \$695.04        |
| Transferred to unappropriated money..... |                      | 4.96            |
|  |                      | <u>\$700.00</u> |

### Highland School Grading.

|  |                      |          |
|--|----------------------|----------|
| Balance from last year unexpended..... |                      | \$200.00 |
|  | <u>EXPENDITURES.</u> |          |
| Hub Construction Co., grading.....     |                      | \$200.00 |

### Typewriters, High School.

|                     |  |          |
|---------------------|--|----------|
| Appropriation ..... |  | \$300.00 |
|---------------------|--|----------|



EXPENDITURES.

|   |         |                        |
|---|---------|------------------------|
| Novelty Co., 1 Fox machine.....           | \$50.00 |                        |
| Remington Typewriter Co., 2 machines..... | 100.00  |                        |
| Underwood Typewriter Co., 3 machines..... | 150.00  |                        |
|   |         | <u>\$300.00</u>        |
| Total expenditures .....                  |         | <u><u>\$300.00</u></u> |

Paupers off Farm.

|   |             |                    |
|---|-------------|--------------------|
| Appropriation .....                           | \$14,000.00 |                    |
| Appropriation, resolution, October 10, 1910.. | 2,500.00    |                    |
| Appropriation, resolution, December, 1910..   | 2,000.00    |                    |
|   |             | <u>\$18,500.00</u> |

EXPENDITURES.

GROCERIES AND MEATS.

|                           |          |
|---------------------------|----------|
| George Boisvert .....     | \$285.00 |
| Joseph Bureau .....       | 40.00    |
| Bourgeois & Co.....       | 26.00    |
| J. B. Bouchard.....       | 10.00    |
| P. J. Charron.....        | 13.00    |
| N. Daigle .....           | 140.00   |
| Dancose Bros. ....        | 189.00   |
| Dumas & Prince.....       | 10.00    |
| L. F. Dusseault & Co..... | 418.00   |
| E. G. Dubois.....         | 5.00     |
| O. F. Dubois.....         | 180.00   |
| Ducharme Bros. ....       | 83.50    |
| Duhaime & St. Cyr.....    | 40.00    |
| A. L. Duhaime.....        | 18.00    |
| Carl Friborg .....        | 14.00    |
| A. J. Gagne .....         | 322.00   |
| Ernest Gelinas .....      | 282.00   |
| J. J. Griffin.....        | 253.00   |
| Gorman Bros. ....         | 91.00    |
| Felix Harbour .....       | 58.00    |
| John Healy .....          | 1,104.43 |
| J. F. Healy.....          | 47.97    |
| A. P. Hermsdorf.....      | 1,129.64 |
| E. Holmes .....           | 46.44    |
| John A. Kane.....         | 1,290.00 |
| T. J. Labrecque.....      | 17.95    |

|                               |             |
|-------------------------------|-------------|
| E. W. Lewis.....              | \$43.00     |
| Martel & Valliere.....        | 15.00       |
| Oscar McDuffee .....          | 708.00      |
| McLaughlin & Day.....         | 290.00      |
| M. J. McNulty .....           | 110.00      |
| E. F. Murray .....            | 34.00       |
| Charles Normand .....         | 48.00       |
| Hertel Pariseau .....         | 107.00      |
| Edmond Pinard .....           | 131.00      |
| Pulpit Farm Dairy.....        | 8.41        |
| Eugene Quirin .....           | 524.00      |
| E. Ringenwald .....           | 13.46       |
| Roy & Cloutier .....          | 2.10        |
| C. L. Ruitter .....           | 16.00       |
| A. L. Robitaille.....         | 18.00       |
| C. D. Steele & Co.....        | 202.00      |
| M. A. Sheehan .....           | 1,242.50    |
| Peter Tennant .....           | 8.00        |
| Twentieth Century Market..... | 8.00        |
| Euclide Voisard .....         | 510.00      |
| H. H. Williams.....           | 24.00       |
| Wiggin-Young Co. ....         | 7.00        |
|                               | <hr/>       |
|                               | \$10,183.40 |

## FUEL.

|                               |            |
|-------------------------------|------------|
| Charles Boisclair .....       | \$139.00   |
| L. B. Bodwell & Co.....       | 8.00       |
| J. H. DeCourcy Co.....        | 151.63     |
| W. E. Dunbar & Sons.....      | 129.00     |
| A. Ferland .....              | 55.00      |
| C. A. & A. W. Flint.....      | .50        |
| Wm. Forrest .....             | 49.50      |
| Joseph Legasse .....          | 4.00       |
| Manchester Coal & Ice Co..... | 35.75      |
| B. J. Mack .....              | 21.00      |
| Joseph Masse .....            | 120.75     |
| Maxwell Ice Co.....           | 141.50     |
| Moore & Preston Coal Co.....  | 126.25     |
| Mystic Pond Ice Co.....       | 35.89      |
| Napoleon Normand .....        | 58.25      |
| Raiche & Laforce.....         | 11.50      |
| Raiche & Prince.....          | 30.00      |
| John P. Russell.....          | 193.75     |
| E. V. Turcotte Co.....        | 4.00       |
| Albert Warren .....           | 13.50      |
| John R. Willis & Co.....      | 84.25      |
| Henry Weber .....             | 110.26     |
|                               | <hr/>      |
|                               | \$1,523.28 |

BOARD AND CARE AND RENT.

|                                  |         |
|----------------------------------|---------|
| Blodgett & Young heirs.....      | \$20.00 |
| Henry A. Berger .....            | 24.00   |
| Joseph Charpentier .....         | 89.00   |
| Victoria Chaput .....            | 115.00  |
| Mrs. James Coakley.....          | 106.00  |
| Abraham Cote .....               | 120.00  |
| Ann O. Connor.....               | 82.25   |
| Mary Dillon .....                | 216.00  |
| George A. Davis .....            | 41.00   |
| John Donnelly .....              | 108.00  |
| Kate Fitzpatrick .....           | 18.00   |
| Mrs. Rose Fitzgerald .....       | 24.00   |
| Charles George .....             | 76.77   |
| Margaret Healy .....             | 134.00  |
| Mrs. Charles Heathcote .....     | 36.00   |
| Thomas Herbert .....             | 122.50  |
| Hillsborough County Farm.....    | 781.22  |
| Louise Houlne .....              | 76.70   |
| Hospice St. Vincent de Paul..... | 5.00    |
| Melvin A. Lewis.....             | 120.00  |
| Mrs. Michael Mahoney.....        | 120.00  |
| Eliza Mayo .....                 | 24.00   |
| David Mayo .....                 | 4.00    |
| Mary Monroe .....                | 20.00   |
| John E. Morse .....              | 52.00   |
| Wm. Moore .....                  | 4.00    |
| Mrs. Julia Mitcheson.....        | 12.00   |
| Notre Dame Orphanage.....        | 349.50  |
| Notre Dame Hospital.....         | 132.80  |
| Edward O'Hara .....              | 31.00   |
| Old Ladies' Home.....            | 304.00  |
| Philip Pellerin .....            | 10.00   |
| Pembroke Sanatorium .....        | 75.72   |
| Kate Quinn .....                 | 24.00   |
| Margaret Reagan .....            | 120.00  |
| Patrick Rooney .....             | 8.00    |
| Gilman Randall .....             | 17.00   |
| St. Joseph's Orphanage .....     | 537.50  |
| St. Patrick's Orphanage .....    | 240.00  |
| St. Pierre Orphanage .....       | 437.02  |
| Mrs. Annie Sullivan .....        | 56.00   |
| Mrs. Ida Sheid .....             | 117.00  |
| Lillian C. Waite.....            | 57.00   |
| West Side Lumber Co.....         | 48.00   |

|                          |         |
|--------------------------|---------|
| Whittier & Foster.....   | \$87.00 |
| Lyman B. Whittemore..... | 122.00  |
| Jane Wolfe .....         | 181.00  |

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 \$5,505.98

## BOOTS AND SHOES.

|                          |        |
|--------------------------|--------|
| W. F. Beauchemin .....   | \$5.20 |
| A. T. Beaumier.....      | 6.75   |
| Eugene C. Brigham.....   | 17.70  |
| E. C. Chagnon & Co.....  | 9.65   |
| M. A. Currier.....       | 8.60   |
| J. W. Campbell .....     | 2.00   |
| G. W. Dodge Shoe Co..... | 23.65  |
| Duke & Whitney.....      | 6.00   |
| John Francis .....       | 7.05   |
| T. Gelinas .....         | 5.50   |
| Gedeon Gosselin .....    | 1.50   |
| Heath's Shoe store.....  | 16.25  |
| T. J. McDonough.....     | 13.90  |
| C. Pariseau & Co.....    | 2.75   |
| Pellerin & Simard.....   | 14.90  |
| D. F. Shea .....         | 68.15  |

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 \$209.55

## CLOTHING.

|                           |         |
|---------------------------|---------|
| Amoskeag Clothing Co..... | \$22.75 |
| Geoffrion & Cullerot..... | 23.25   |
| A. M. Koehler.....        | 3.50    |
| Lane & Dozois.....        | 5.00    |
| M. A. McDonough.....      | 4.36    |
| Mansur B. Niven.....      | 6.75    |
| Max Saidel & Bro.....     | 8.94    |

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 \$74.55

## MEDICINES, MEDICAL SERVICES, FUNERAL EXPENSES.

|   |         |
|---|---------|
| Chas. Boisclair, funeral outfit.....                            | \$17.00 |
| Albert Folsom, M. D., professional services..                   | 6.00    |
| Elmer D. Goodwin, burial outfit.....                            | 25.00   |
| John B. Hall Co., medicine, etc.....                            | 146.35  |
| Kerwin & Sheehan, medicine.....                                 | 12.20   |
| Andrew Leckie, medicine.....                                    | 1.75    |
| LeBlanc & Provencher.....                                       | 7.70    |
| A. S. Mangurian, M. D., professional services                   | 6.00    |
| McDonough & Co., burial outfit.....                             | 25.00   |
| D. L. Robinson, burial outfit .....                             | 25.00   |
| Roy & Gadbois, burial outfit.....                               | 25.00   |
| E. V. Turcotte Undertaking Establishment,<br>burial outfit..... | 33.00   |

INDIGENT SOLDIERS.

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|                                   |         |                 |
|-----------------------------------|---------|-----------------|
| F. L. Wallace, burial outfit..... | \$25.00 |                 |
| Walsh & Cummings, medicine.....   | 38.55   |                 |
|                                   |         | <u>\$393.55</u> |

SUNDRIES.

|   |         |                |
|---|---------|----------------|
| Boston & Maine Railroad, transportation..                   | \$14.55 |                |
| John B. Clarke Co., printing billheads.....                 | 13.50   |                |
| John B. Clarke Co., advertising.....                        | 5.40    |                |
| John J. Connor, conveying pauper to insane<br>asylum .....  | 1.83    |                |
| W. J. Freeman, teams.....                                   | 16.50   |                |
| Kean, Sheehan & Sullivan, ambulance to<br>county farm ..... | 5.00    |                |
| W. P. Goodman, stationery.....                              | 1.90    |                |
| Union Publishing Co., advertising.....                      | 3.20    |                |
| Fred Watts, 1 invalid chair.....                            | 3.00    |                |
|   |         | <u>\$64.88</u> |

|  |  |                    |
|--|--|--------------------|
| Total expenditures .....                 |  | \$17,955.19        |
| Transferred to unappropriated money..... |  | 544.81             |
|  |  | <u>\$18,500.00</u> |

Indigent Soldiers.

|                     |  |                 |
|---------------------|--|-----------------|
| Appropriation ..... |  | <u>\$300.00</u> |
|---------------------|--|-----------------|

EXPENDITURES.

GROCERIES.

|                           |         |                |
|---------------------------|---------|----------------|
| L. F. Dusseault & Co..... | \$50.00 |                |
| F. H. Poore .....         | 21.00   |                |
|                           |         | <u>\$71.00</u> |

FUEL.

|                          |         |                |
|--------------------------|---------|----------------|
| W. E. Dunbar & Sons..... | \$32.00 |                |
| Fred Langley .....       | 3.62    |                |
| Maxwell Ice Co.....      | 52.00   |                |
|                          |         | <u>\$87.62</u> |

SUNDRIES.

|                                     |          |                 |
|-------------------------------------|----------|-----------------|
| Matthew Malloy, board and care..... | \$120.00 |                 |
| D. F. Shea, shoes.....              | 2.00     |                 |
|                                     |          | <u>\$122.00</u> |

|  |  |                 |
|--|--|-----------------|
| Total expenditures .....                 |  | \$280.62        |
| Transferred to unappropriated money..... |  | 19.38           |
|  |  | <u>\$300.00</u> |

**Board of Examiners of Plumbers.**

|  |        |             |
|--|--------|-------------|
| Appropriation .....                        |        | \$50.00     |
| EXPENDITURES.                              |        |             |
| John B. Clarke Co., printing reports.....  | \$3.25 |             |
| Pike & Heald Co., supplies.....            | 25.44  |             |
| Temple & Farrington Co., binding records.. | .85    |             |
| John B. Varick Co., 1 firepot.....         | 4.00   |             |
|  | <hr/>  | \$33.54     |
| Total expenditures .....                   |        | \$33.54     |
| Transferred to unappropriated money.....   |        | 16.46       |
|  |        | <hr/>       |
|  |        | \$50.00     |
|  |        | <hr/> <hr/> |

**Band Concerts.**

|                           |          |             |
|---------------------------|----------|-------------|
| Appropriation .....       |          | \$400.00    |
| EXPENDITURES.             |          |             |
| Cadet band .....          | \$100.00 |             |
| Lafayette band.....       | 100.00   |             |
| Manchester City band..... | 100.00   |             |
| Turner band .....         | 100.00   |             |
|                           | <hr/>    | \$400.00    |
| Total expenditures .....  |          | \$400.00    |
|                           |          | <hr/> <hr/> |

**Militia.**

|   |         |            |
|---|---------|------------|
| Appropriation .....                         |         | \$1,050.00 |
| EXPENDITURES.                               |         |            |
| Band, First Regiment, N. H. N. G.....       | \$50.00 |            |
| Battery A, First Regiment, N. H. N. G.....  | 100.00  |            |
| Company A, First Regiment, N. H. N. G....   | 100.00  |            |
| Company B, First Regiment, N. H. N. G....   | 100.00  |            |
| Company F, First Regiment, N. H. N. G....   | 100.00  |            |
| Company K, First Regiment, N. H. N. G....   | 100.00  |            |
| Joseph Freschl Post, G. A. R.....           | 100.00  |            |
| Louis Bell Post, G. A. R.....               | 100.00  |            |
| Headquarters, First Regiment, N. H. N. G... | 50.00   |            |
| Hospital Corps .....                        | 50.00   |            |



|                              |          |                          |
|------------------------------|----------|--------------------------|
| Manchester War Veterans..... | \$100.00 |                          |
| Spanish War Veterans.....    | 100.00   |                          |
|                              |          | <u>\$1,050.00</u>        |
| Total expenditures .....     |          | <u><u>\$1,050.00</u></u> |

**Decoration of Soldiers' Graves.**

|                     |  |                 |
|---------------------|--|-----------------|
| Appropriation ..... |  | <u>\$500.00</u> |
|---------------------|--|-----------------|

EXPENDITURES.

|  |          |                 |
|--|----------|-----------------|
| Joseph Freschl Post, G. A. R.....        | \$100.00 |                 |
| Louis Bell Post, G. A. R.....            | 399.90   |                 |
|  |          | <u>\$499.90</u> |
| Total expenditures .....                 |          | \$499.90        |
| Transferred to unappropriated money..... |          | .10             |
|  |          | <u>\$500.00</u> |

**Purchase of Land Sold for Taxes.**

|                     |  |                   |
|---------------------|--|-------------------|
| Appropriation ..... |  | <u>\$4,500.00</u> |
|---------------------|--|-------------------|

EXPENDITURES.

|  |  |                   |
|--|--|-------------------|
| George E. Morrill .....                  |  | <u>\$4,292.52</u> |
| Total expenditures .....                 |  | \$4,292.52        |
| Transferred to unappropriated money..... |  | 207.48            |
|  |  | <u>\$4,500.00</u> |

**Abatement of Taxes.**

|                     |  |                   |
|---------------------|--|-------------------|
| Appropriation ..... |  | <u>\$2,000.00</u> |
|---------------------|--|-------------------|

EXPENDITURES.

|                          |            |                          |
|--------------------------|------------|--------------------------|
| George E. Morrill.....   | \$1,997.11 |                          |
| Charles Rowell .....     | 1.86       |                          |
| Cyprien Soucie, 2d.....  | 1.03       |                          |
|                          |            | <u>\$2,000.00</u>        |
| Total expenditures ..... |            | <u><u>\$2,000.00</u></u> |

**Granite Base for Lincoln Statue.**

|                     |                          |
|---------------------|--------------------------|
| Appropriation ..... | <u><u>\$2,500.00</u></u> |
|---------------------|--------------------------|

## EXPENDITURES.

## SUNDRIES.

|   |          |                          |
|---|----------|--------------------------|
| Lincoln Memorial association, bill for design and services on stone pedestal..... | \$109.00 |                          |
| Lincoln Memorial association, expenses of committee .....                         | 25.00    |                          |
| J. H. Mendell Co., lumber and labor.....  | 44.87    |                          |
| J. A. Rogers, moving fountain, etc.....   | 130.52   |                          |
| Robie Consolidated Concrete Co., concrete..                                       | 43.50    |                          |
| R. P. Stevens Co., stonework.....   | 1,498.00 |                          |
| Street & park commissioners, preparing foundation .....                           | 312.90   |                          |
|   |          | <u>\$2,163.79</u>        |
| Total expenditures .....  |          | <u>\$2,163.79</u>        |
| Transferred to unappropriated money.....  |          | 336.21                   |
|   |          | <u><u>\$2,500.00</u></u> |

**Printing Proceedings of Centennial of Name of Manchester.**

|   |                        |
|---|------------------------|
| Appropriation, resolution, August 29, 1910..... | <u><u>\$150.00</u></u> |
|---|------------------------|

## EXPENDITURES.

|                                 |                        |
|---------------------------------|------------------------|
| Transferred to new account..... | <u><u>\$150.00</u></u> |
|---------------------------------|------------------------|

**Centennial of the Name of Manchester.**

|                     |                          |
|---------------------|--------------------------|
| Appropriation ..... | <u><u>\$2,000.00</u></u> |
|---------------------|--------------------------|

## EXPENDITURES.

|  |                          |
|--|--------------------------|
| Transferred to unappropriated money..... | <u><u>\$2,000.00</u></u> |
|--|--------------------------|

**State Tax.**

|                     |                           |
|---------------------|---------------------------|
| Appropriation ..... | <u><u>\$93,720.00</u></u> |
|---------------------|---------------------------|

EXPENDITURES.

State of New Hampshire..... \$93,720.00

County Tax.

Appropriation ..... \$52,924.30

EXPENDITURES.

County of Hillsborough..... \$52,924.30

Animal Rescue League.

Appropriation ..... \$300.00

EXPENDITURES.

Animal Rescue League, amount appropriated..... \$300.00

Elliot Hospital.

Appropriation ..... \$300.00

EXPENDITURES.

Elliot Hospital, amount appropriated..... \$300.00

Hospice St. Vincent de Paul.

Appropriation ..... \$300.00

EXPENDITURES.

Hospice St. Vincent de Paul, amount appropriated..... \$300.00

Infant Asylum, Our Lady of Perpetual Help.

Appropriation ..... \$300.00

EXPENDITURES.

Infant Asylum, Our Lady of Perpetual Help, amount  
appropriated ..... \$300.00

**Notre Dame de Lourdes Hospital.**

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300.00 |
|---------------------|----------|

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EXPENDITURES.

|  |          |
|--|----------|
| Notre Dame de Lourdes Hospital, amount appropriated, | \$300.00 |
|--|----------|

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**Orphelinat St. Pierre.**

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300.00 |
|---------------------|----------|

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EXPENDITURES.

|   |          |
|---|----------|
| Orphelinat St. Pierre, amount appropriated..... | \$300.00 |
|---|----------|

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**Sacred Heart Hospital.**

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300.00 |
|---------------------|----------|

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EXPENDITURES.

|   |          |
|---|----------|
| Sacred Heart Hospital, amount appropriated..... | \$300.00 |
|---|----------|

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**St. John's Home.**

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300.00 |
|---------------------|----------|

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EXPENDITURES.

|   |          |
|---|----------|
| St. John's Home, amount appropriated..... | \$300.00 |
|---|----------|

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**St. Joseph's Boys' Orphanage.**

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300.00 |
|---------------------|----------|

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EXPENDITURES.

|   |          |
|---|----------|
| St. Joseph's Boys' Orphanage, amount appropriated.... | \$300.00 |
|---|----------|

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**St. Patrick's Girls' Orphanage.**

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300.00 |
|---------------------|----------|

MANCHESTER BOYS' CLUB.

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EXPENDITURES.

St. Patrick's Girls' Orphanage, amount appropriated.... \$300.00

W. C. T. U. Mercy Home.

Appropriation ..... \$300.00

EXPENDITURES.

W. C. T. U. Mercy Home, amount appropriated..... \$300.00

Women's Aid Home.

Appropriation ..... \$300.00

EXPENDITURES.

Women's Aid Home, amount appropriated..... \$300.00

Young Men's Christian Association.

Appropriation ..... \$300.00

EXPENDITURES.

Young Men's Christian Association, amount appropriated ..... \$300.00

West Side Reading Room.

Appropriation ..... \$100.00

EXPENDITURES.

West Side Reading Room, amount appropriated..... \$100.00

Manchester Boys' Club.

Appropriation ..... \$200.00

## EXPENDITURES.

Manchester Boys' Club, amount appropriated..... \$200.00

**Resolution Raising Money and Making Appropriations  
for the Year 1910.**

*Resolved*, by the Board of Common Council of the City of Manchester, as follows:

That the sum of one hundred thousand dollars (\$100,000) be borrowed for the use of the city, under authority of Chapter 264 of the Session Laws of 1893 of the State of New Hampshire, for the following permanent municipal improvements, to wit: fifty-two thousand dollars (\$52,000) for new highways; forty thousand dollars (\$40,000) for new sewers; seven thousand dollars (\$7,000) for the development and improvement of Lafayette Park, and one thousand dollars (\$1,000) for the development and improvement of Stark Park; and that the standing committee on finance is hereby authorized to issue the bonds of the city for said amount of one hundred thousand dollars (\$100,000), the same to be dated April 1, 1910, and payable April 1, 1930, with interest coupons attached for the payment of interest semiannually at three and one half (3½) percent; said bond to be signed by the city treasurer and countersigned by the mayor, and said coupons to bear the facsimile signature of the mayor; said bonds to be sold to the highest responsible bidder upon a call issued by said standing committee on finance for bids. And be it further

*Resolved*, That the sum of seven hundred and ninety-eight thousand, two hundred and forty-four dollars and thirty cents (\$798,244.30) be raised for the use of said city for the year 1910 by tax on the polls and estates liable to be taxed thereon in said city, which sum, together with the one hundred thousand dollars (\$100,000) to be borrowed, as above provided, and with such unappropriated money as may be now in the city treasury, or may hereafter come into it, shall be appropriated as follows, to wit:

## CENTRAL DEPARTMENT.

|                              |             |
|------------------------------|-------------|
| Interest .....               | \$45,500.00 |
| Sinking fund .....           | 26,000.00   |
| City hall .....              | 4,200.00    |
| Printing and stationery..... | 2,800.00    |
| Incidental expenses .....    | 8,000.00    |
| Land sold for taxes.....     | 4,500.00    |
| Mayor's incidentals .....    | 300.00      |
| City officers' salaries..... | 30,000.00   |



|                                  |              |
|----------------------------------|--------------|
| Payment on funded debt.....      | \$10,000.00  |
| Land taken for new highways..... | 2,000.00     |
|                                  | <hr/>        |
|                                  | \$133,300.00 |
|                                  | <hr/> <hr/>  |

AUDITOR'S DEPARTMENT.

|                             |            |
|-----------------------------|------------|
| Salaries and expenses ..... | \$2,400.00 |
|-----------------------------|------------|

DEPARTMENT OF TAXES.

|                  |              |
|------------------|--------------|
| State tax .....  | \$93,720.00  |
| County tax ..... | 52,924.30    |
|                  | <hr/>        |
|                  | \$146,644.30 |
|                  | <hr/> <hr/>  |

ASSESSORS' DEPARTMENT.

|                            |             |
|----------------------------|-------------|
| Salaries and expenses..... | \$9,500.00  |
| Abatement of taxes.....    | 2,000.00    |
|                            | <hr/>       |
|                            | \$11,500.00 |
|                            | <hr/> <hr/> |

ENGINEER'S DEPARTMENT.

|                             |             |
|-----------------------------|-------------|
| Salaries and expenses ..... | \$9,000.00  |
|                             | <hr/> <hr/> |

STREET AND SEWER DEPARTMENT.

|  |              |
|--|--------------|
| Street & Park commission, salaries and expenses..... | \$10,000.00  |
| Snow and ice, and cleaning streets.....              | 18,000.00    |
| Repairs of highways.....                             | 30,000.00    |
| New highways .....                                   | 52,000.00    |
| Watering streets .....                               | 10,000.00    |
| Paving streets .....                                 | 10,000.00    |
| Macadamizing streets .....                           | 10,000.00    |
| Grading for concrete.....                            | 2,000.00     |
| Scavenger service .....                              | 30,000.00    |
| Sweeping streets .....                               | 10,000.00    |
| Bridges .....  | 8,000.00     |
| City teams .....                                     | 12,000.00    |
| Repairs of sewers .....                              | 5,000.00     |
| New sewers .....                                     | 40,000.00    |
| Brown-tail and gypsy moths.....                      | 6,000.00     |
| City yard .....                                      | 6,000.00     |
| Cutting and trimming trees.....                      | 1,000.00     |
|  | <hr/>        |
|  | \$260,000.00 |
|  | <hr/> <hr/>  |

## SCHOOL DEPARTMENT.

|   |              |
|---|--------------|
| Books and stationery.....                             | \$50.00      |
| Care of rooms.....                                    | 10,500.00    |
| Contingent expenses .....                             | 3,500.00     |
| Evening schools .....                                 | 1,800.00     |
| Evening schools, drawing .....                        | 300.00       |
| Free text-books and apparatus.....                    | 7,000.00     |
| Fuel .....  | 12,000.00    |
| Furniture and supplies .....                          | 1,500.00     |
| Manual training .....                                 | 600.00       |
| Printing and advertising.....                         | 500.00       |
| Repairs of schoolhouses.....                          | 10,000.00    |
| Teachers' salaries .....                              | 120,000.00   |
| Typewriters, High school.....                         | 300.00       |
| Repairs to Bakersville school .....                   | 7,500.00     |
| Curbing and walk around Varney school.....            | 750.00       |
| Grading Youngsville school lot.....                   | 700.00       |
| Relief for overcrowded condition at Rimmon school.... | 7,500.00     |
|   | <hr/>        |
|   | \$184,500.00 |
|   | <hr/> <hr/>  |

## FIRE DEPARTMENT AND HYDRANT SERVICE.

|  |              |
|--|--------------|
| Salaries and maintenance of fire department..... | \$102,475.00 |
| Fire-alarm telegraph .....                       | 4,000.00     |
| Hydrant service .....                            | 22,025.00    |
|  | <hr/>        |
|  | \$128,500.00 |
|  | <hr/> <hr/>  |

## PUBLIC BUILDINGS AND PLACES.

|                                   |             |
|-----------------------------------|-------------|
| Repairs on public buildings.....  | \$9,500.00  |
| Pine Grove cemetery .....         | 19,500.00   |
| Valley cemetery .....             | 5,300.00    |
| Ameskeag cemetery, with gate..... | 700.00      |
| Merrill yard .....                | 100.00      |
| Care of commons.....              | 4,500.00    |
| Stark park .....                  | 2,000.00    |
| Derryfield park .....             | 1,000.00    |
| Lafayette park .....              | 7,000.00    |
| Miscellaneous playgrounds .....   | 300.00      |
| Playground in ward 8.....         | 100.00      |
|                                   | <hr/>       |
|                                   | \$50,000.00 |
|                                   | <hr/> <hr/> |

## HEALTH DEPARTMENT.

|   |             |
|---|-------------|
| Salaries, expenses and maintenance..... | \$20,000.00 |
|---|-------------|

## POLICE DEPARTMENT.

|                         |                    |
|-------------------------|--------------------|
| Police station .....    | \$3,000.00         |
| Police court .....      | 2,900.00           |
| Police commission ..... | 68,000.00          |
|                         | <u>\$73,900.00</u> |

## CITY LIBRARY.

|                            |                   |
|----------------------------|-------------------|
| Salaries and expenses..... | \$7,000.00        |
| Purchase of books.....     | 2,000.00          |
|                            | <u>\$9,000.00</u> |

## PATRIOTIC, CHARITABLE AND PHILANTHROPIC DEPARTMENT.

|  |             |
|--|-------------|
| Support of paupers.....  | \$14,000.00 |
| Indigent soldiers and sailors.....   | 300.00      |
| Women's Aid Home.....  | 300.00      |
| Elliot hospital .....  | 300.00      |
| Sacred Heart hospital .....  | 300.00      |
| Notre Dame hospital .....  | 300.00      |
| Mercy home .....   | 300.00      |
| Infant asylum .....  | 300.00      |
| Decoration of soldiers' graves, Joseph Freschl Post, G.<br>A. R. ....                                | 100.00      |
| Decoration of soldiers' graves, Louis Bell Post, G. A. R.,<br>Co. A, First Regiment, N. H. N. G..... | 100.00      |
| Co. B, First Regiment, N. H. N. G.....   | 100.00      |
| Co. F, First Regiment, N. H. N. G.....   | 100.00      |
| Co. K, First Regiment, N. H. N. G.....   | 100.00      |
| Battery, N. H. N. G.....   | 100.00      |
| Headquarters and band, First Regiment.....   | 100.00      |
| Joseph Freschl Post, G. A. R.....  | 100.00      |
| Louis Bell Post, G. A. R.....  | 100.00      |
| Manchester War Veterans .....  | 100.00      |
| Spanish War Veterans.....  | 100.00      |
| Hospital corps .....   | 50.00       |
| Band concerts .....  | 400.00      |
| Boys' club .....   | 200.00      |
| Orphelinat St. Pierre.....   | 300.00      |
| West Side reading room.....  | 100.00      |

|   |                    |
|---|--------------------|
| St. Joseph's Boys' orphanage.....         | \$300.00           |
| Animal Rescue league.....                 | 300.00             |
| Hospice St. Vincent de Paul.....          | 300.00             |
| Examiners of plumbers .....               | 50.00              |
| St. John's home.....                      | 300.00             |
| Young Men's Christian association.....    | 300.00             |
| St. Patrick's Girls' orphanage.....       | 300.00             |
| Centennial of the name of Manchester..... | 2,000.00           |
| Granite base for Lincoln statue.....      | 2,500.00           |
|   | <hr/>              |
|   | <b>\$25,000.00</b> |
|   | <hr/> <hr/>        |

## LIGHTING STREETS DEPARTMENT.

|                        |             |
|------------------------|-------------|
| Lighting streets ..... | \$64,500.00 |
|                        | <hr/> <hr/> |

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.

TABULATED STATEMENT OF TAXATION.

| Resident and nonresident. | Polls. |             | Real estate, value. | Stock in trade. | Money on hand, at interest, or on deposit, value. | Horses, asses, and mules, over 18 months old. |              | Carriages, value. | Cows, oxen, and other neat stock over 18 months old. |             |
|---------------------------|--------|-------------|---------------------|-----------------|---|---|--------------|-------------------|--|-------------|
|                           | No.    | Value.      |                     |                 |   | No.   | Value.       |                   | No.  | Value.      |
| 1893                      | 11,835 | \$1,183,500 | \$16,003,370.00     | \$2,554,818.00  | \$425,334.00                                      | 2,777   | \$210,082.00 | \$59,516.00       | 551  | \$11,656.00 |
| 1894                      | 12,103 | 1,210,300   | 16,956,070.00       | 2,421,964.00    | 519,500.00  | 2,608   | 200,376.00   | 57,526.00         | 452  | 9,618.00    |
| 1895                      | 11,244 | 1,224,400   | 17,688,234.00       | 2,435,546.00    | 149,592.00  | 2,639   | 196,264.00   | 59,128.00         | 431  | 9,710.00    |
| 1896                      | 12,583 | 1,258,300   | 18,358,266.00       | 2,431,862.00    | 147,148.00  | 2,644   | 184,790.00   | 57,440.00         | 410  | 9,308.00    |
| 1897                      | 12,921 | 1,292,100   | 18,763,182.00       | 2,772,400.00    | 113,288.00  | 2,617   | 174,746.00   | 57,810.00         | 507  | 10,920.00   |
| 1898                      | 12,808 | 1,280,800   | 19,175,434.00       | 2,782,386.00    | 167,160.00  | 2,640   | 171,242.00   | 56,698.00         | 551  | 12,400.00   |
| 1899                      | 13,137 | 1,313,700   | 19,301,762.00       | 3,939,419.00    | 176,388.00  | 2,648   | 169,977.00   | 58,129.00         | 619  | 14,570.00   |
| 1900                      | 13,759 | 1,375,900   | 19,569,249.00       | 3,509,072.00    | 1,294,585.00                                      | 2,755   | 174,593.00   | 88,500.00         | 704  | 16,690.00   |
| 1901                      | 13,976 | 1,397,600   | 19,922,261.00       | 3,888,517.00    | 394,438.00  | 2,669   | 174,242.00   | 99,975.00         | 551  | 14,076.00   |
| 1902                      | 14,079 | 1,407,900   | 19,983,327.00       | 3,536,583.00    | 1,173,222.00                                      | 2,621   | 180,157.00   | 120,369.00        | 519  | 13,414.00   |
| 1903                      | 14,334 | 1,438,400   | 20,137,200.00       | 3,303,445.00    | 1,210,597.00                                      | 2,577   | 179,065.00   | 129,404.00        | 554  | 16,089.00   |
| 1904                      | 14,451 | 1,445,100   | 20,465,749.00       | 3,400,749.00    | 1,258,931.00                                      | 2,453   | 177,580.00   | 126,762.00        | 586  | 15,564.00   |
| 1905                      | 14,650 | 1,465,000   | 20,966,778.00       | 3,858,690.00    | 1,125,565.00                                      | 2,384   | 196,597.00   | 150,365.00        | 696  | 20,989.00   |
| 1906                      | 15,481 | 1,548,100   | 22,133,160.00       | 4,800,392.00    | 195,024.00  | 2,288   | 189,238.00   | 159,026.00        | 698  | 19,786.00   |
| 1907                      | 15,800 | 1,580,000   | 23,401,086.00       | 4,940,178.00    | 162,330.00  | 2,406   | 207,395.00   | 170,351.00        | 695  | 19,978.00   |
| 1908                      | 16,296 | 1,626,600   | 24,034,758.00       | 4,714,079.00    | 374,506.00  | 2,262   | 201,191.00   | 187,240.00        | 721  | 20,316.00   |
| 1909                      | 16,093 | 1,609,300   | 24,347,963.00       | 4,968,343.00    | 119,972.00  | 2,220   | 200,821.00   | 221,902.00        | 681  | 19,503.00   |
| 1910                      | 17,281 | 1,726,100   | 25,247,605.00       | 5,345,478.00    | 260,692.00  | 2,545   | 210,484.00   | 281,507.00        | 627  | 18,515.00   |

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.—Continued.

| No. | Hogs. |          | Sheep over six months old. |         | Boats. |          | Fowls. |          | Stock in banks and other corporations, value. | Stock in public funds and bonds, value. | Factories and their machinery, value. | Total value.    | Rate of tax per hundred. | Tax levied.  |
|-----|-------|----------|----------------------------|---------|--------|----------|--------|----------|---|---|---------------------------------------|-----------------|--------------------------|--------------|
|     | No.   | Value.   | No.                        | Value.  | No.    | Value.   | No.    | Value.   |   |   |                                       |                 |                          |              |
| 12  |       | \$120.00 | 13                         | \$38.00 |        |          |        | \$52.00  | \$317,600.00                                  | \$5,600.00                              | \$6,667,906.00                        | \$27,439,742.00 | \$1.85                   | \$507,640.68 |
| 73  |       | 820.00   | 40                         | 80.00   |        |          |        | 316.00   | 230,000.00                                    | 22,100.00                               | 6,763,050.00                          | 28,391,710.00   | 1.78                     | 505,372.44   |
| 52  |       | 524.00   | 29                         | 62.00   |        |          |        | 174.00   | 263,166.00                                    | 1,400.00                                | 6,774,950.00                          | 28,861,122.00   | 1.74                     | 502,183.02   |
| 26  |       | 260.00   | 43                         | 90.00   |        |          |        |          | 249,104.00                                    | 2,000.00                                | 6,755,100.00                          | 29,443,668.00   | 1.86                     | 547,651.50   |
| 45  |       | 470.00   | 33                         | 56.00   |        |          |        |          | 233,264.00                                    |   | 7,068,650.00                          | 30,486,946.00   | 2.08                     | 634,127.80   |
| 69  |       | 490.00   | 43                         | 64.00   |        |          |        | 610.00   | 250,934.00                                    |   | 7,090,300.00                          | 30,988,488.00   | 1.95                     | 604,280.57   |
| 45  |       | 418.00   | 11                         | 24.00   |        |          |        | 756.00   | 222,460.00                                    |   | 6,294,181.00                          | 31,491,784.00   | 1.95                     | 614,096.93   |
| 35  |       | 354.00   | 7                          | 14.00   |        |          |        | 904.00   | 213,314.00                                    |   | 6,464,589.00                          | 32,706,794.00   | 1.90                     | 621,428.47   |
| 12  |       | 92.00    | 6                          | 18.00   |        |          |        | 1,200.00 | 223,780.00                                    |   | 6,924,319.00                          | 33,041,112.00   | 1.98                     | 654,214.00   |
|     |       |          | 8                          | 24.00   |        |          |        | 1,400.00 | 227,982.00                                    |   | 6,399,956.00                          | 33,044,334.00   | 2.25                     | 743,497.53   |
| 7   |       | 100.00   |                            |         |        |          |        | 832.00   | 210,272.00                                    |   | 6,194,496.00                          | 32,819,850.00   | 2.10                     | 689,217.79   |
| 2   |       | 20.00    |                            | 220.00  |        |          |        | 410.00   | 185,950.00                                    |   | 6,102,524.00                          | 33,179,294.00   | 1.95                     | 647,003.29   |
| 27  |       | 190.00   |                            | .16     |        |          |        | 1,337.00 | 287,220.00                                    |   | 6,103,731.00                          | 34,176,466.00   | 2.08                     | 710,870.13   |
| 18  |       | 224.00   |                            |         |        |          |        | 1,314.00 | 239,002.00                                    |   | 6,128,294.00                          | 35,413,510.00   | 1.91                     | 676,402.89   |
| 23  |       | 272.00   |                            |         |        |          |        | 871.00   | 233,746.00                                    | 4,700.00                                | 6,247,487.00                          | 36,968,394.00   | 1.85                     | 683,915.28   |
| 22  |       | 274.00   |                            |         |        | \$700.00 |        | 810.00   | 250,818.00                                    | 2,200.00                                | 6,333,222.00                          | 37,746,708.00   | 1.86                     | 702,088.28   |
| 18  |       | 195.00   |                            |         |        |          |        | 902.00   | 228,348.00                                    | 34,900.00                               | 6,350,795.00                          | 38,102,044.00   | 2.05                     | 781,118.54   |
| 54  |       | 770.00   |                            |         |        |          |        | 972.00   | 256,153.00                                    | 57,730.00                               | 6,475,896.00                          | 39,881,852.00   | 2.01                     | 801,628.21   |



## Assessors' Oath.

We, the Assessors of the city of Manchester, do solemnly swear, that in making the invoice for the purpose of assessing the foregoing taxes, we appraise all taxable property at its full value, and as we would appraise the same in payment of a just debt due from a solvent debtor. *So help us God.*

## Valuation and Taxes.

The amount of taxes assessed on the polls and on the real and personal estate, within the city of Manchester, N. H., for the year 1910 was as follows:

|   | Valuation.   | Rate. | Tax.         |
|---|--------------|-------|--------------|
| Real estate .....                       | \$31,723,501 | 2.01  | \$637,642.37 |
| Personal property .....                 | 6,432,251    | 2.01  | 129,288.24   |
|   | <hr/>        |       | <hr/>        |
|   | \$38,155,752 |       | \$766,930.61 |
| Number of polls, 17,261.....            | 1,726,100    |       | 34,694.61    |
|   | <hr/>        |       | <hr/>        |
|   | \$39,881,852 |       | \$801,625.22 |
| Fractional gain .....                   |              |       | 2.99         |
|   |              |       | <hr/>        |
|   |              |       | \$801,628.21 |
| School tax .....                        |              |       | 221.10       |
| Brown-tail moth tax .....               |              |       | 1,025.01     |
| Property exempt from city tax only..... |              |       | 73.86        |
|   |              |       | <hr/>        |
| Total tax levied .....                  |              |       | \$802,948.18 |

The share distributed to Manchester of the amount of tax assessed, as per returns made by the corporations to state treasurer:

|                              |              |
|------------------------------|--------------|
| On railroads .....           | \$50,424.27  |
| On savings banks .....       | 84,600.05    |
| On insurance companies ..... | 3,819.38     |
| On literary fund .....       | 3,921.12     |
|                              | <hr/>        |
| Grand tax total.....         | \$945,713.00 |

For further information in relation to taxes collected by the state, see State Treasurer's report.

## TAX VALUATIONS, ETC., FROM 1890 TO 1910, INCLUSIVE.

| YEAR.     | Valuation.   | Taxes.       | No. polls. | Poll tax. | Valuation of poll. |
|-----------|--------------|--------------|------------|-----------|--------------------|
| 1890..... | \$24,207,740 | \$462,809.17 | 9,723      | \$1.91    | \$100              |
| 1891..... | 24,872,492   | 443,541.76   | 10,367     | 1.78      | 100                |
| 1892..... | 25,932,044   | 506,465.17   | 10,673     | 1.95      | 100                |
| 1893..... | 27,439,742   | 507,640.68   | 11,835     | 1.85      | 100                |
| 1894..... | 29,391,710   | 505,372.44   | 12,103     | 1.78      | 100                |
| 1895..... | 28,861,122   | 502,183.02   | 12,244     | 1.74      | 100                |
| 1896..... | 29,443,668   | 547,651.50   | 12,583     | 1.86      | 100                |
| 1897..... | 30,486,946   | 634,127.80   | 12,921     | 2.08      | 100                |
| 1898..... | 30,988,488   | 604,280.57   | 12,808     | 1.95      | 100                |
| 1899..... | 31,491,784   | 614,096.93   | 13,137     | 1.95      | 100                |
| 1900..... | 32,706,794   | 621,428.47   | 13,759     | 1.90      | 100                |
| 1901..... | 33,041,112   | 654,214.00   | 13,976     | 1.98      | 100                |
| 1902..... | 33,034,334   | 743,497.53   | 14,079     | 2.25      | 100                |
| 1903..... | 32,819,850   | 689,217.79   | 14,384     | 2.10      | 100                |
| 1904..... | 33,179,294   | 647,003.29   | 14,451     | 1.95      | 100                |
| 1905..... | 34,176,466   | 710,870.13   | 14,650     | 2.08      | 100                |
| 1906..... | 35,413,510   | 676,402.89   | 15,481     | 1.91      | 100                |
| 1907..... | 36,968,394   | 683,915.28   | 15,800     | 1.85      | 100                |
| 1908..... | 37,746,708   | 702,088.28   | 16,266     | 1.86      | 100                |
| 1909..... | 38,102,944   | 781,118.54   | 16,093     | 2.05      | 100                |
| 1910..... | 39,881,852   | 801,628.21   | 17,261     | 2.01      | 100                |

## Statement of Account of George E. Morrill, Tax Collector for the City of Manchester, N. H., June 1, 1910.

|  | Amount<br>outstanding<br>June 1, 1909. | Collected  | Balance<br>outstanding<br>June 1, 1910 |
|--|--|------------|--|
| Tax list, 1885 .....   | \$1,205.71                             |            | \$1,205.71                             |
| 1886 .....   | 1,264.85                               |            | 1,264.85                               |
| 1887 .....   | 1,163.94                               |            | 1,163.94                               |
| 1888 .....   | 1,580.13                               |            | 1,580.13                               |
| 1889 .....   | 1,395.13                               |            | 1,395.13                               |
| 1890 .....   | 1,687.08                               |            | 1,687.08                               |
| 1891 .....   | 1,966.63                               |            | 1,966.63                               |
| 1892 .....   | 2,582.12                               |            | 2,582.12                               |
| 1893 .....   | 4,095.13                               |            | 4,095.13                               |
| 1894 .....   | 3,514.05                               |            | 3,514.05                               |
| 1895 .....   | 5,004.92                               |            | 5,004.92                               |
| 1896 .....   | 4,992.00                               |            | 4,992.00                               |
| 1897 .....   | 5,296.91                               |            | 5,296.91                               |
| 1898 .....   | 5,629.21                               |            | 5,629.21                               |
| 1899 .....   | 5,675.09                               |            | 5,675.09                               |
| 1900 .....   | 5,150.11                               |            | 5,150.11                               |
| 1901 .....   | 6,068.01                               |            | 6,068.01                               |
| 1902 .....   | 6,501.97                               |            | 6,501.97                               |
| 1903 .....   | 7,156.57                               | \$2.10     | 7,154.47                               |
| 1904 .....   | 6,640.28                               | 1.95       | 6,638.33                               |
| 1905 .....   | 8,331.19                               | 12.03      | 8,319.16                               |
| 1906 .....   | 8,796.12                               | 27.31      | 8,768.81                               |
| 1907 .....   | 7,483.20                               | 48.85      | 7,434.35                               |
| 1908 .....   | 8,532.46                               | 183.76     | 8,348.70                               |
| Amount collected .....   |  | \$276.00   |  |
| Credit by cash, as per treasurer's receipt,<br>No. 253 in 1909; and Nos. 84, 105 in 1910..             |  | \$276.00   |  |
| Interest collected .....   |  | \$1,767.26 |  |
| Credit by cash, as per treasurer's receipt,<br>No. 83 in year 1910.....                                |  | \$1,767.26 |  |
| Costs collected .....  |  | \$2,002.80 |  |
| Credit by cash, as per treasurer's receipts,<br>No. 257 in year 1909, and No. 82 in year<br>1910 ..... |  | \$2,002.80 |  |

## DR.

|         |                                |              |              |
|---------|--------------------------------|--------------|--------------|
| 1909.   |                                |              |              |
| June 1. | To warrant resident list ..... | \$779,314.16 |              |
|         | warrant nonresident list.....  | 1,804.38     |              |
|         | voluntary list .....           | 952.64       |              |
|         | warrant school tax .....       | 162.80       |              |
|         | moth tax .....                 | 1,210.21     |              |
|         |                                | <hr/>        | \$783,444.19 |
|         |                                |              | <hr/> <hr/>  |

## CR.

|  |              |  |              |
|--|--------------|--|--------------|
| 1909, 1910.                                      |              |  |              |
| By cash paid treasurer, per vouchers Nos.        |              |  |              |
| 95, 107, 143, 145, 159, 165, 189, 200, 212, 216, |              |  |              |
| 220, 233, 258, 288 in year 1909, and 26, 30,     |              |  |              |
| 49, 103, 104, 119 in year 1910.....              | \$774,339.77 |  |              |
| By abatements, vouchers Nos. 207, 278 in         |              |  |              |
| year 1909, and 106 in 1910.....                  | 1,589.66     |  |              |
| By unpaid taxes July 1, 1910.....                | 7,514.76     |  |              |
|  | <hr/>        |  | \$783,444.19 |
|  |              |  | <hr/> <hr/>  |

MANCHESTER, N. H., August 6, 1910.

I hereby certify that I have examined the account of George E. Morrill, tax collector of said Manchester, and find the same correct, as above stated.

JAMES E. DODGE,  
*City Auditor.*

TABLE OF TAXES DUE AND UNCOLLECTED.

| YEAR.                  | Due January 1,<br>1910, assessed<br>in 1910. | Discounts and<br>abatements,<br>1910. | Collected in 1910. | Due December<br>31, 1910. |
|------------------------|--|---------------------------------------|--------------------|---------------------------|
| Taxes of 1885. . . . . | \$1,205.71                                   |                                       |                    | \$1,205.71                |
| " of 1886. . . . .     | 1,264.85                                     |                                       |                    | 1,264.85                  |
| " of 1887. . . . .     | 1,163.94                                     |                                       |                    | 1,163.94                  |
| " of 1888. . . . .     | 1,580.13                                     |                                       |                    | 1,580.13                  |
| " of 1889. . . . .     | 1,395.13                                     |                                       |                    | 1,395.13                  |
| " of 1890. . . . .     | 1,687.08                                     |                                       |                    | 1,687.08                  |
| " of 1891. . . . .     | 1,966.63                                     |                                       |                    | 1,966.63                  |
| " of 1892. . . . .     | 2,582.12                                     |                                       |                    | 2,582.12                  |
| " of 1893. . . . .     | 4,095.13                                     |                                       |                    | 4,095.13                  |
| " of 1894. . . . .     | 3,514.05                                     |                                       |                    | 3,514.05                  |
| " of 1895. . . . .     | 5,004.92                                     |                                       |                    | 5,004.92                  |
| " of 1896. . . . .     | 4,992.00                                     |                                       |                    | 4,992.00                  |
| " of 1897. . . . .     | 5,296.91                                     |                                       |                    | 5,296.91                  |
| " of 1898. . . . .     | 5,629.21                                     |                                       |                    | 5,629.21                  |
| " of 1899. . . . .     | 5,675.09                                     |                                       |                    | 5,675.09                  |
| " of 1900. . . . .     | 5,150.11                                     |                                       |                    | 5,150.11                  |
| " of 1901. . . . .     | 6,068.01                                     |                                       |                    | 6,068.01                  |
| " of 1902. . . . .     | 6,501.97                                     |                                       |                    | 6,501.97                  |
| " of 1903. . . . .     | 7,156.57                                     |                                       | \$2.10             | 7,154.47                  |
| " of 1904. . . . .     | 6,640.28                                     |                                       | 1.95               | 6,638.33                  |
| " of 1905. . . . .     | 8,331.19                                     |                                       | 12.03              | 8,319.16                  |
| " of 1906. . . . .     | 8,796.12                                     |                                       | 27.31              | 8,768.81                  |
| " of 1907. . . . .     | 7,483.20                                     |                                       | 48.85              | 7,434.35                  |
| " of 1908. . . . .     | 8,528.74                                     | 1.85                                  | 178.19             | 8,348.70                  |
| " of 1909. . . . .     | { 952.64 }                                   | 446.09                                | 66,114.61          | 7,439.00                  |
| " of 1910. . . . .     | { 73,047.06 }                                | 1,549.17                              | 729,181.63         | 72,217.38                 |
|                        | \$02,948.18                                  |                                       |                    |                           |

## Some Laws and Decisions Relating to Exemptions from Taxation.

CONSTITUTION OF NEW HAMPSHIRE, ARTICLE 82, PAGE 38, PUBLIC STATUTES.

### ENCOURAGEMENT OF LITERATURE, ETC.

ART. 82. "Knowledge and learning generally diffused through a community being essential to the preservation of a free government and spreading the opportunities and advantages of education, through the various parts of the country, being highly conducive to promote this end, it shall be the duty of legislators and magistrates, in all future periods of this government, to cherish the interests of literature and the sciences, and all seminaries and public schools; to encourage private and public institutions, rewards, and immunities for the promotion of agriculture, arts, sciences, commerce, trades, manufactures, and natural history of the country; to countenance and inculcate the principles of humanity and general benevolence, public and private charity, industry and economy, honesty and punctuality, sincerity, sobriety, and all social affections and generous sentiments among the people; *provided, nevertheless*, that no money raised by taxation shall ever be granted or applied for the use of schools or institutions of any religious sect or denomination."

### PUBLIC STATUTES, CHAPTER 55.

"SECT. 2. Real estate, whether improved or unimproved, and whether owned by residents or others, is liable to be taxed, except houses of public worship, twenty-five hundred dollars of the value of parsonages owned by religious societies and occupied by their pastors, schoolhouses, seminaries of learning, real estate of the United States, state or town used for public purposes, and almshouses on county farm."

"SECT. 11. Towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town;" *provided, however*, that the assessors shall annually appraise such property and the valuation determined upon for the same shall be added to the valuation of all other property in the town to determine the total valuation for the purposes of state and county taxes.

### OPINION OF THE SUPREME COURT.

58 N. H. Rep., page 623. "The exemption in each case is limited to ten years. A perpetual alienation of the whole power of taxation



would be the destruction of government; and the dangerous tendency of legislation suspending any part of that power, for any period, is manifest. *P. Bank v. Billings*, 4 Pet. 514, 561. So long as the existing laws remain unrepealed, and the constitutional construction heretofore adopted remains unchanged, contracts hereafter made under these laws and that construction will be valid. If the legislature for any reason wish to prevent the making of any more such contracts, their object can be accomplished by a repeal of the laws authorizing them."

Hospitals, etc., are exempt from taxation in their respective charters as "being of the nature of a public charity," as follows:

Gale Home for Aged and Destitute Women, N. H. Laws of 1899, chapter 199.

Elliot Hospital, N. H., Laws of 1881, chapter 178.

Manchester Woman's Aid and Relief Society, organized in January, 1875, N. H. Laws, 1891, chapter 283.

Orphanage and Home for Old Ladies (Catholic) on Hanover street, N. H. Laws, 1883, chapter 56.

**Schedule of Property used for Religious, Charitable and Educational Purposes, and Exempt from Taxation by Law, not including that owned by the City of Manchester.**

|   |             |             |
|---|-------------|-------------|
| Convent, Sisters Jesus-Mary, French Catholic; East Spruce street, near Beech:       |             |             |
| Building .....  | \$10,000.00 |             |
| 13,000 square feet of land.....   | 2,600.00    |             |
|   |             | \$12,600.00 |
| Convent, Sisters of Mercy, Catholic; 415 Union street, corner Laurel:               |             |             |
| Building .....  | \$30,000.00 |             |
| 12,600 square feet of land.....   | 6,300.00    |             |
|   |             | \$36,300.00 |
| Mount St. Mary's Academy, Catholic; from convent lot east to Beech street:          |             |             |
| Building .....  | \$25,000.00 |             |
| 31,500 square feet of land.....   | 9,450.00    |             |
|   |             | \$34,450.00 |
| Lot south side of Laurel street, corner of Union street, Catholic; McDonald school: |             |             |
| Building .....  | \$35,000.00 |             |
| 10,800 square feet of land.....   | 5,000.00    |             |
|   |             | \$40,000.00 |

|  |             |             |
|--|-------------|-------------|
| Hospital of the Sacred Heart and Old Ladies' Home,<br>Catholic; Amherst and Hanover streets: |             |             |
| Building .....   | \$14,000.00 |             |
| 40,500 square feet of land.....  | 30,375.00   |             |
|  |             | \$44,375.00 |
| St. Patrick's Orphan Asylums, Catholic; 184 Hanover<br>street:                               |             |             |
| Building .....   | \$47,000.00 |             |
| 40,500 square feet of land.....  | 40,500.00   |             |
|  |             | \$87,500.00 |
| St. Joseph's High School, Catholic; Lowell street, corner<br>of Birch:                       |             |             |
| Building .....   | \$12,000.00 |             |
| 8,000 square feet of land.....   | 8,000.00    |             |
|  |             | \$20,000.00 |
| Union-street school, Catholic; corner of Union and<br>Laurel streets:                        |             |             |
| Building .....   | \$4,000.00  |             |
| 5,000 square feet of land.....   | 2,500.00    |             |
|  |             | \$6,500.00  |
| St. Agnes' School, Catholic; corner Cedar and Pine<br>streets:                               |             |             |
| Building .....   | \$12,000.00 |             |
| 20,000 square feet of land.....  | 3,200.00    |             |
|  |             | \$15,200.00 |
| St. Joseph's school for girls, Catholic; corner Pine and<br>Lowell streets:                  |             |             |
| Building .....   | \$10,000.00 |             |
| Land included in cathedral lot.  |             |             |
|  |             | \$10,000.00 |
| Convent of Holy Angels, French Catholic; Beauport<br>street, corner Wayne, West Manchester:  |             |             |
| Building .....   | \$15,000.00 |             |
| 22,500 square feet of land.....  | 4,500.00    |             |
|  |             | \$19,500.00 |
| St. George's school, French Catholic; corner Pine and<br>Orange streets:                     |             |             |
| Building .....   | \$30,000.00 |             |
| 10,000 square feet of land.....  | 5,000.00    |             |
|  |             | \$35,000.00 |
| Monastery of the Precious Blood; 555 Union street:   |             |             |
| Building .....   | \$2,500.00  |             |
| 6,750 square feet of land.....   | 2,025.00    |             |
|  |             | \$4,525.00  |
| Orphanage school, Beauport, Wayne, and Putnam<br>streets; French Catholic:                   |             |             |
| Building .....   | \$25,000.00 |             |
| 20,000 square feet of land.....  | 6,000.00    |             |
|  |             | \$31,000.00 |

|  |             |             |
|--|-------------|-------------|
| St. Augustine's academy, French Catholic; corner Beech and Spruce streets:                 |             |             |
| Building .....   | \$8,000.00  |             |
| 15,000 square feet of land.....  | 4,500.00    |             |
|  | <hr/>       | \$12,500.00 |
| St. Marie's parochial school, French Catholic; corner Wayne and Cartier streets:           |             |             |
| Building .....   | \$12,000.00 |             |
| 25,000 square feet of land.....  | 2,000.00    |             |
|  | <hr/>       | \$14,000.00 |
| Residence priest St. Augustine's church, French Catholic; 383 Beech street:                |             |             |
| Building .....   | \$6,000.00  |             |
| 7,500 square feet of land.....   | 1,875.00    |             |
|  | <hr/>       | \$7,875.00  |
|  |             | \$2,500.00  |
| Orphan Children's school, parish of St. Augustine; 251, 253 Lake avenue:                   |             |             |
| Building .....   | \$12,000.00 |             |
| 10,000 square feet of land.....  | 5,000.00    |             |
|  | <hr/>       | \$17,000.00 |
| Holy Rosary school; 30 Cedar street:   |             |             |
| Building .....   | \$8,750.00  |             |
| 2,500 square feet of land.....   | 1,250.00    |             |
|  | <hr/>       | \$10,000.00 |
| Residence priest St. Anne's church, Catholic; 231 Merrimack street:                        |             |             |
| Building .....   | \$5,000.00  |             |
| 8,820 square feet of land.....   | 2,646.00    |             |
|  | <hr/>       | \$7,646.00  |
|  |             | \$2,500.00  |
| Residence of Catholic bishop; 145 Lowell street:   |             |             |
| Building .....   | \$40,000.00 |             |
| 24,000 square feet of land.....  | 12,000.00   |             |
|  | <hr/>       | \$52,000.00 |
|  |             | \$2,500.00  |
| Residence priest St. George's church, French Catholic; Orange street, corner Pine:         |             |             |
| Building .....   | \$2,500.00  |             |
| 10,000 square feet of land.....  | 4,000.00    |             |
|  | <hr/>       | \$6,500.00  |
|  |             | \$2,500.00  |
| Residence priest St. Mary's church, French Catholic; 376 Beauport street, West Manchester: |             |             |
| Building .....   | \$2,500.00  |             |
| 5,000 square feet of land.....   | 1,000.00    |             |
|  | <hr/>       | \$3,500.00  |
|  |             | \$2,500.00  |

|   |             |  |              |
|---|-------------|--|--------------|
| St. Anne's church, Catholic; Union street, corner Mer-    |             |  |              |
| rimack:   |             |  |              |
| Building .....  | \$30,000.00 |  |              |
| 10,180 square feet of land.....                           | 5,090.00    |  |              |
|   |             |  | \$35,090.00  |
| St. Augustine's church, French Catholic; Beech street,    |             |  |              |
| corner East Spruce:                                       |             |  |              |
| Building .....  | \$28,000.00 |  |              |
| 13,000 square feet of land.....                           | 3,250.00    |  |              |
|   |             |  | \$31,250.00  |
| St. Joseph's cathedral and chapel, Catholic; Pine street, |             |  |              |
| corner Lowell:  |             |  |              |
| Building .....  | \$70,000.00 |  |              |
| 40,000 square feet of land.....                           | 30,375.00   |  |              |
|   |             |  | \$100,375.00 |
| St. Marie's church, French Catholic; Beauport street,     |             |  |              |
| corner Wayne, West Manchester:                            |             |  |              |
| Building .....  | \$25,000.00 |  |              |
| 70,000 square feet of land.....                           | 14,000.00   |  |              |
|   |             |  | \$39,000.00  |
| St. Raphael's church and school, German Catholic; Third   |             |  |              |
| street, corner Ferry, West Manchester:                    |             |  |              |
| Building .....  | \$35,000.00 |  |              |
| 8,000 square feet of land.....                            | 3,400.00    |  |              |
|   |             |  | \$38,400.00  |
| St. George's church, French Catholic; Pine street, corner |             |  |              |
| Orange:   |             |  |              |
| Building .....  | \$75,000.00 |  |              |
| 18,690 square feet of land.....                           | 7,614.00    |  |              |
|   |             |  | \$82,614.00  |
| St. Patrick's church and school, Catholic; Kelley street, |             |  |              |
| Cartier street, and Coolidge avenue:                      |             |  |              |
| School building .....                                     | \$20,000.00 |  |              |
| 56,281 square feet of land.....                           | 4,502.00    |  |              |
|   |             |  | \$24,502.00  |
| St. Antoine de Padoue church, Catholic; 260 Belmont       |             |  |              |
| street:   |             |  |              |
| Building .....  | \$4,000.00  |  |              |
|   |             |  | \$4,000.00   |
| Residence priest St. Antoine de Padoue church, Cath-      |             |  |              |
| -olic; 258 Belmont street:                                |             |  |              |
| Building .....  | \$5,500.00  |  |              |
| Land .....  | 4,000.00    |  |              |
|   |             |  | \$2,500.00   |
|   |             |  | \$9,500.00   |

|  |             |             |
|--|-------------|-------------|
| St. Hedwidge church, Polish Catholic; Merrimack, corner Pine street:             |             |             |
| Building .....   | \$3,000.00  |             |
| Land .....   | 6,000.00    |             |
|  | <hr/>       | \$9,000.00  |
| Residence priest St. Hedwidge church, same lot:                                  |             |             |
| Building .....   | \$4,000.00  |             |
|  | <hr/>       | \$2,500.00  |
| First Baptist church; Union street, corner Concord:                              |             |             |
| Building .....   | \$28,000.00 |             |
| 11,250 square feet of land.....  | 6,750.00    |             |
|  | <hr/>       | \$34,750.00 |
| First Freewill Baptist church; Merrimack street, corner Chestnut:                |             |             |
| Building .....   | \$12,400.00 |             |
| 12,600 square feet of land.....  | 12,600.00   |             |
|  | <hr/>       | \$25,000.00 |
| Second Baptist church, Merrimack street, near Pine:                              |             |             |
| Building .....   | \$9,000.00  |             |
| 9,450 square feet of land.....   | 3,780.00    |             |
|  | <hr/>       | \$12,780.00 |
| People's Baptist church; Chestnut street, corner Concord:                        |             |             |
| Building .....   | \$8,000.00  |             |
| 3,200 square feet of land.....   | 2,000.00    |             |
|  | <hr/>       | \$10,000.00 |
| First Congregational church; Hanover street, corner Union:                       |             |             |
| Building .....   | \$30,000.00 |             |
| 43,200 square feet of land.....  | 34,560.00   |             |
|  | <hr/>       | \$64,560.00 |
| Second Congregational church; Market street, corner Franklin:                    |             |             |
| Building .....   | \$25,000.00 |             |
| 19,000 square feet of land.....  | 19,000.00   |             |
|  | <hr/>       | \$44,000.00 |
| Third Congregational church; South Main street, corner Milford, West Manchester: |             |             |
| Building .....   | \$8,000.00  |             |
| 33,000 square feet of land.....  | 3,000.00    |             |
|  | <hr/>       | \$11,000.00 |
| First M. E. church; Valley street, corner Jewett:                                |             |             |
| Building .....   | \$8,000.00  |             |
| 11,400 square feet of land.....  | 1,000.00    |             |
|  | <hr/>       | \$9,000.00  |

|  |             |             |
|--|-------------|-------------|
| St. Paul's M. E. church; Union street, corner Amherst:                               |             |             |
| Building .....   | \$25,000.00 |             |
| 10,010 square feet of land.....  | 6,000.00    |             |
|  | <hr/>       | \$31,000.00 |
| Trinity M. E. church; School street:   |             |             |
| Building .....   | \$2,000.00  |             |
| 12,176 square feet of land.....  | 3,000.00    |             |
|  | <hr/>       | \$5,000.00  |
| St. James M. E. church; Pennacook street, corner Pine:                               |             |             |
| Building .....   | \$9,000.00  |             |
| 11,000 square feet of land.....  | 2,200.00    |             |
|  | <hr/>       | \$11,200.00 |
| Grace church, Episcopal; Lowell street, corner Pine:                                 |             |             |
| Building .....   | \$20,000.00 |             |
| 9,300 square feet of land.....   | 6,975.00    |             |
|  | <hr/>       | \$26,975.00 |
| First Unitarian church, Concord street, corner Beech:                                |             |             |
| Building .....   | \$24,000.00 |             |
| 13,500 square feet of land.....  | 6,000.00    |             |
|  | <hr/>       | \$30,000.00 |
| First Universalist church; Lowell street, near Elm:                                  |             |             |
| Building .....   | \$17,000.00 |             |
| 10,000 square feet of land.....  | 15,000.00   |             |
|  | <hr/>       | \$32,000.00 |
| Christian church, Protestant; Hall street, corner Merri-<br>mack:                    |             |             |
| Building .....   | \$9,000.00  |             |
| Land .....   | 1,000.00    |             |
|  | <hr/>       | \$10,000.00 |
| First Presbyterian church, German; Second street, cor-<br>ner Bath, West Manchester: |             |             |
| Building .....   | \$3,000.00  |             |
| 10,000 square feet of land.....  | 2,500.00    |             |
|  | <hr/>       | \$5,500.00  |
| Swedish Lutheran church, Protestant; Sagamore, corner<br>Pine:                       |             |             |
| Building .....   | \$7,500.00  |             |
| 10,950 square feet of land.....  | 2,000.00    |             |
|  | <hr/>       | \$9,500.00  |
| Swedish Evangelical Mission; Pine street, corner<br>Orange:                          |             |             |
| Building .....   | \$6,500.00  |             |
| Land .....   | 4,100.00    |             |
|  | <hr/>       | \$10,600.00 |
| Swedish Baptist church; Arlington street, near Maple:                                |             |             |
| Building .....   | \$5,000.00  |             |
| 4,432 square feet of land.....   | 1,100.00    |             |
|  | <hr/>       | \$6,100.00  |



|  |             |             |
|--|-------------|-------------|
| Second Advent church; Amherst street, between Pine and Union:                  |             |             |
| Building .....   | \$5,100.00  |             |
| 4,500 square feet of land.....   | 3,375.00    |             |
|  | <hr/>       | \$8,475.00  |
| City Mission chapel, Protestant; Merrimack street, corner Beech:               |             |             |
| Building .....   | \$7,000.00  |             |
| 12,600 square feet of land.....  | 6,000.00    |             |
|  | <hr/>       | \$13,000.00 |
| Westminster Presbyterian church; Brook street, corner Hazel:                   |             |             |
| Building .....   | \$15,000.00 |             |
| 10,000 square feet of land.....  | 2,500.00    |             |
|  | <hr/>       | \$17,500.00 |
| South Manchester Union chapel, Protestant; Elm street, south:                  |             |             |
| Building .....   | \$2,500.00  |             |
| 10,747 square feet of land.....  | 1,000.00    |             |
|  | <hr/>       | \$3,500.00  |
| First Church of Christ, Scientist; Harrison street, corner Albert:             |             |             |
| Building .....   | \$14,000.00 |             |
| Land .....   | 5,000.00    |             |
|  | <hr/>       | \$19,000.00 |
| Episcopal Mission church; North Main street, corner School, West Manchester:   |             |             |
| Building .....   | \$3,500.00  |             |
| 19,412 square feet of land.....  | 4,000.00    |             |
|  | <hr/>       | \$7,500.00  |
| Residence pastor St. Paul's M. E. church; Union street, near Amherst:          |             |             |
| Building .....   | \$3,000.00  |             |
|  | <hr/>       | \$2,500.00  |
| Residence pastor First Congregational church; 590 Beech street, near Bridge:   |             |             |
| Building .....   | \$5,000.00  |             |
| 8,100 square feet of land.....   | 2,400.00    |             |
|  | <hr/>       | \$2,500.00  |
|  | \$7,400.00  |             |
| Residence pastor Grace Episcopal church; corner of Harrison and Union streets: |             |             |
| Building .....   | \$6,000.00  |             |
| 15,000 square feet of land.....  | 3,750.00    |             |
|  | <hr/>       | \$2,500.00  |
|  | \$9,750.00  |             |

|   |             |             |
|---|-------------|-------------|
| German School Society; Third, Bath, and Ferry streets:                  |             |             |
| Building .....  | \$4,500.00  |             |
| 10,087 square feet of land.....   | 2,500.00    |             |
|   |             | \$7,000.00  |
| Elliot Hospital, Protestant; East Manchester:                           |             |             |
| Building .....  | \$23,000.00 |             |
| Land .....  | 7,000.00    |             |
|   |             | \$30,000.00 |
| Elliot Hospital lot; Hanover street, corner Chestnut:                   |             |             |
| Building .....  | \$3,000.00  |             |
| Land .....  | 13,000.00   |             |
|   |             | \$16,000.00 |
| Elliot Hospital:  |             |             |
| Land and buildings, Main street.....                                    | \$4,000.00  |             |
| Land and buildings, Quincy street.....                                  | 2,500.00    |             |
|   |             | \$6,500.00  |
| Women's Aid Home; Pearl street, corner Beech:                           |             |             |
| Building .....  | \$15,000.00 |             |
| 57,530 square feet of land.....   | 10,000.00   |             |
|   |             | \$25,000.00 |
| Women's Aid Home; Bridge street, corner Chestnut:                       |             |             |
| Buildings .....   | \$9,000.00  |             |
| 6,037.5 square feet of land.....  | 3,000.00    |             |
|   |             | \$12,000.00 |
| Manchester Children's Home; Webster street:                             |             |             |
| Building .....  | \$20,000.00 |             |
| 55,000 square feet of land.....   | 2,500.00    |             |
|   |             | \$22,500.00 |
| Residence pastor Swedish Lutheran church; Sagamore street, corner Pine: |             |             |
| Building .....  | \$3,000.00  |             |
| 10,200 square feet of land.....   | 1,020.00    |             |
|   |             | \$4,020.00  |
| Gale Home:  |             |             |
| One half Martin's block, Elm street....                                 | \$25,000.00 |             |
| Land and building, Pearl street, corner Ash .....                       | 25,000.00   |             |
|   |             | \$50,000.00 |
| Masonic Home, Beech street:   |             |             |
| Building .....  | \$17,000.00 |             |
| 56,700 square feet of land.....   | 7,500.00    |             |
|   |             | \$24,500.00 |
| One half land and buildings, 193 Pearl street .....                     | \$1,750.00  |             |
| One half land and buildings, 266 Pearl street .....                     | 900.00      |             |

PROPERTY EXEMPT FROM TAXATION.

|   |          |            |
|---|----------|------------|
| One half land and buildings, 270 Pearl street .....     | \$900.00 |            |
| One half land and buildings, 274 Pearl street .....     | 900.00   |            |
| One half five acres of land on North Union street ..... | 325.00   |            |
|   | <hr/>    | \$4,775.00 |

EXEMPT FROM TAXATION.

|   |              |                |
|---|--------------|----------------|
| Church property, Catholic.....                | \$364,231.00 |                |
| Convent property, Catholic.....               | 72,925.00    |                |
| Parochial residences, Catholic.....           | 17,500.00    |                |
| Parochial schools, Catholic.....              | 235,650.00   |                |
| Hospitals and other charitable institutions.. | 131,875.00   |                |
|   | <hr/>        | \$822,181.00   |
| Church property, Protestant.....              | \$457,940.00 |                |
| Parochial residences, Protestant.....         | 10,000.00    |                |
| Private school property, Protestant.....      | 7,000.00     |                |
| Hospitals and other charitable institutions.. | 191,275.00   |                |
|   | <hr/>        | \$666,215.00   |
| Total .....                                   |              | \$1,488,396.00 |

TAXABLE.

|                                     |             |                |
|-------------------------------------|-------------|----------------|
| Land and buildings, Catholic.....   | \$73,431.00 |                |
| Land and buildings, Protestant..... | 14,170.00   |                |
|                                     | <hr/>       | \$87,601.00    |
| Total exempt and taxable.....       |             | \$1,575,997.00 |

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.

| Date of issue.             | Description.     | Number. | Denominator. | Amount.  | Total.   | Date when the principal is payable | INTEREST.      |               |  |
|----------------------------|------------------|---------|--------------|----------|----------|------------------------------------|----------------|---------------|--|
|                            |                  |         |              |          |          |                                    | Rate per cent. | When payable. | Where payable.                         |
| Dec. 16, 1895              | Water bonds.     | 50      | \$1,000      | \$50,000 | \$50,000 | December 16, 1915                  | 4              | Semiannual    | At Suffolk Bank, Boston, Mass.         |
| Oct. 1, 1884               | "                | 50      | 1,000        | 50,000   | 50,000   | October 1, 1914                    | 4              | "             | "                                      |
| Nov. 1, 1883               | "                | 100     | 1,000        | 100,000  | 100,000  | November 1, 1913                   | 4 1-2          | "             | "                                      |
| Aug. 1, 1883               | "                | 100     | 1,000        | 100,000  | 100,000  | August 1, 1913                     | 5              | "             | "                                      |
| Jan. 1, 1882               | "                | 100     | 1,000        | 100,000  | 100,000  | January 1, 1912                    | 4              | "             | "                                      |
| Jan. 1, 1897 {<br>Refunded | "                | 100     | 1,000        | 100,000  | 100,000  | " 1, 1917                          | 4              | "             | "                                      |
| July 1, 1890 }<br>Refunded | "                | 100     | 1,000        | 100,000  | 100,000  | " 1, 1915                          | 4              | "             | "                                      |
| July 1, 1881               | Bridge bonds.    | 15      | 100          | 1,500    | .....    | " 1, 1911                          | 4              | "             | "                                      |
| " 1, 1881                  | "                | 39      | 500          | 19,500   | .....    | July 1, 1911                       | 4              | "             | At Treas'r Office, Manchester, [N. H.] |
| " 1, 1881                  | "                | 39      | 1,000        | 39,000   | .....    | " 1, 1911                          | 4              | "             | "                                      |
|                            |                  |         |              | 60,000   |          |                                    |                |               |  |
| April 1, 1905              | City bonds.      | 50      | 1,000        | 50,000   | 50,000   | April 1, 1925                      | 3 1-2          | "             | At Suffolk Bank, Boston, Mass.         |
| " 1, 1907                  | "                | 50      | 1,000        | 50,000   | 50,000   | " 1, 1927                          | 4              | "             | "                                      |
| " 1, 1909                  | "                | 50      | 1,000        | 50,000   | 50,000   | " 1, 1929                          | 3 1-2          | "             | "                                      |
| " 1, 1885                  | "                | 5       | 1,000        | 5,000    | 5,000    | April 1, 1911                      | 4              | "             | "                                      |
| July 1, 1883               | Improv'm't bonds | 100     | 1,000        | 100,000  | 100,000  | January 1 1913                     | 4              | "             | "                                      |
| June 1, 1884               | "                | 100     | 1,000        | 100,000  | 100,000  | April 1, 1914                      | 4              | "             | "                                      |

STATEMENT OF BONDED DEBT.

| April 1, 1885   | Improv'm't bonds | 100 | 1,000 | 100,000 | 100,000     | April  | 1, 1915      | 4     | Semiannual | At Suffolk Bank, Boston, Mass. |  |
|-----------------|------------------|-----|-------|---------|-------------|--|--------------|-------|------------|--------------------------------|--|
| " 1, 1886       | " "              | 100 | 1,000 | 100,000 | 100,000     | "  | 1, 1916      | 4     | "          | "                              |  |
| April 1, 1910   | " "              | 100 | 1,000 | 100,000 | 100,000     | "  | 1, 1930      | 3 1-2 | "          | "                              |  |
| July 1, 1885    | School bonds.    | 50  | 1,000 | 50,000  | 50,000      | { \$10,000 July 1, 1911<br>and \$10,000 annu-<br>ally thereafter } | July 1, 1916 | 4     | "          | "                              |  |
| " 1, 1896       | " "              | 40  | 1,000 | 40,000  | 40,000      | July   | 1, 1916      | 4     | "          | "                              |  |
| April 1, 1899   | City bonds.      | 100 | 1,000 | 100,000 | 100,000     | April  | 1, 1919      | 3 1-2 | "          | "                              |  |
| July 1, 1902    | Municipal bonds. | 80  | 1,000 | 80,000  | 80,000      | July   | 1, 1922      | 3 1-2 | "          | "                              |  |
| October 1, 1910 | Cemetery bonds   | 21  | 1,000 | 21,000  | 21,000      | October  | 1, 1930      | 3 1-2 | "          | "                              |  |
|                 |                  |     |       |         | \$1,606,000 |  |              |       |            |                                |  |

REMARKS.—The city guarantees the perpetual care of lots in the cemeteries of the city to parties who pay \$100 and upward. There are \$50,000 in cemetery bonds, so called, not negotiable, in the hands of the city treasurer, which are not included in the \$1,606,000.

|   |                |
|---|----------------|
| Total amount of bonded debt, including cemetery bonds | \$1,656,000.00 |
| Net indebtedness for water purposes.....              | 600,000.00     |

|   |                |
|---|----------------|
| Net debt after deducting water debt.....                          | \$1,056,000.00 |
| As shown in the assessors' books for the year 1910.               |                |
| The assessed value of personal property, including poll tax ..... | \$8,158,351.00 |
| The assessed value of real estate.....                            | 31,723,501.00  |

|                               |                 |
|-------------------------------|-----------------|
| Total value for taxation..... | \$39,881,852.00 |
|-------------------------------|-----------------|

Tax rate, 2.01 percent on a hundred.

|  |      |
|--|------|
| Percent of net indebtedness (excluding debt for water purposes) to assessed valuation..... | 2.65 |
|--|------|

|  |      |
|--|------|
| Percent of net indebtedness (including debt for water purposes) to assessed valuation..... | 4.15 |
|--|------|

|                                 |        |
|---------------------------------|--------|
| Population, census of 1910..... | 70,063 |
|---------------------------------|--------|

No issue of bonds has ever been contested.

The interest on the debt has always been promptly paid at maturity.

None of the bonds are stated specifically as being payable in gold.

None of the bonds can be called for redemption.

A sinking fund was established in 1893.

Total amount of sinking fund December 31, 1910, \$695,325.42.

The power of the city to borrow money in relation to the water-works is limited to the sum of \$600,000 by section 6, chapter 70, New Hampshire Laws of 1871 entitled, "An act to enable the city of Manchester to establish water-works," except as further extended an amount of \$200,000 by laws of 1891, chapter 26; and \$200,000 by laws of 1895, chapter 172.

#### SUMMARY OF CITY DEBT.

|  |                |
|--|----------------|
| Amount of debt January 1, 1910.....                    | \$1,645,000.00 |
| Bonds issued during year.....                          | 121,000.00     |
| Accrued interest on bonded debt, December 31, 1910.... | 23,978.00      |

|   |                |
|---|----------------|
|   | \$1,789,978.00 |
| Amount of bonded debt paid in 1910..... | 110,000.00     |

|   |                |
|---|----------------|
| Total indebtedness December 31, 1910..... | \$1,679,978.00 |
|---|----------------|



STATEMENT OF INTEREST CHARGE.

165

AVAILABLE ASSETS.

|   |              |
|---|--------------|
| Net cash on hand December 31, 1910.....               | \$126,281.64 |
| Taxes uncollected, list of 1910.....                  | 72,217.38    |
| Stock of Suncook Valley Railroad, estimated value.... | 30,000.00    |
| Sinking fund December 31, 1910.....                   | 695,325.42   |
|   | \$923,824.44 |

STATEMENT OF THE ANNUAL INTEREST CHARGE ON THE BONDED DEBT.

| Year.    | Six percent water bonds. | Four percent water bonds. | Four and a half and five percent water bonds. | Five percent cemetery bonds. | Six percent to fund debt. | Four percent to build McGregor bridge. | Four percent to fund debt. | Four per cent. improvement bonds and 3 1/2 percent city bonds. | Four percent school bonds and Granite bridge. | Total of annual interest. |
|----------|--------------------------|---------------------------|---|------------------------------|---------------------------|--|----------------------------|--|---|---------------------------|
| 1890 ..  | \$27,000                 | \$6,000                   | .....   | \$623.75                     | \$7,000                   | \$2,300                                | \$6,200                    | .....  | .....   | \$49,423.75               |
| 1891.... | 4,000                    | 8,000                     | .....   | 813.92                       | 7,200                     | 2,400                                  | 6,200                      | .....  | .....   | 48,613.92                 |
| 1892.... | 18,000                   | 12,000                    | ....  | 1,000.00                     | 7,200                     | 2,400                                  | 6,200                      | .....  | .....   | 46,800.00                 |
| 1893.... | 18,000                   | 12,000                    | .....   | 1,041.66                     | 7,200                     | 2,400                                  | 6,200                      | .....  | .....   | 46,841.66                 |
| 1894 ..  | 18,000                   | 14,000                    | \$9,500                                       | 1,550.00                     | .....                     | 2,400                                  | 6,200                      | \$8,000  | .....   | 59,650.00                 |
| 1895 ... | 18,000                   | 16,000                    | 9,500   | 1,812.50                     | ...                       | 2,400                                  | 6,200                      | 12,000   | \$4,800                                       | 68,712.50                 |
| 1896 ..  | 12,000                   | 20,000                    | 9,500   | 2,112.50                     | .....                     | 2,400                                  | 6,200                      | 16,000   | 14,400  | 82,612.50                 |
| 1897.... | 9,000                    | 22,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 6,200                      | 16,000   | 13,000  | 80,600.00                 |
| 1898 ... | 6,000                    | 24,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 6,200                      | 16,000   | 13,000  | 79,000.00                 |
| 1899.... | 6,000                    | 24,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 6,200                      | 19,500   | 11,400  | 81,500.00                 |
| 1900 ... | 6,000                    | 24,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 6,200                      | 19,500   | 10,520  | 80,620.00                 |
| 1901 ..  | 6,000                    | 24,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 6,200                      | 19,500   | 8,800   | 78,900.00                 |
| 1902 ... | 3,000                    | 24,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 6,200                      | 20,850   | 8,200   | 76,650.00                 |
| 1903.... | .....                    | 24,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 6,200                      | 22,300   | 6,400   | 73,300.00                 |
| 1904 ... | .....                    | 24,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 6,200                      | 22,300   | 6,000   | 72,900.00                 |
| 1905 ... | .....                    | 24,000                    | 9,500   | 2,500.00                     | ...                       | 2,400                                  | 4,200                      | 24,050   | 5,600   | 72,250.00                 |
| 1906 ... | .....                    | 24,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 4,200                      | 24,050   | 5,200   | 71,850.00                 |
| 1907 ... | .....                    | 20,000                    | 9,500   | 2,500.00                     | ...                       | 2,400                                  | 4,200                      | 24,050   | 4,800   | 67,450.00                 |
| 1908.... | .....                    | 20,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 4,200                      | 24,050   | 4,400   | 67,050.00                 |
| 1909 ... | .....                    | 20,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 4,200                      | 23,050   | 4,000   | 65,650.00                 |
| 1910 ... | .....                    | 20,000                    | 9,500   | 2,500.00                     | .....                     | 2,400                                  | 4,200                      | 22,650   | 4,000   | 65,250.00                 |

## Valuation of Real Estate Owned by the City.

|   |              |              |
|---|--------------|--------------|
| High school, Beech street, corner Lowell:                 |              |              |
| Building .....  | \$170,000.00 |              |
| 59,400 square feet of land.....                           | 17,820.00    |              |
|   | <hr/>        | \$187,820.00 |
| Franklin-street school, Franklin street, corner Pleasant: |              |              |
| Building .....  | \$16,000.00  |              |
| 19,200 square feet of land.....                           | 19,200.00    |              |
|   | <hr/>        | \$35,200.00  |
| Spring-street school, Spring street:                      |              |              |
| Building .....  | \$13,000.00  |              |
| 13,600 square feet of land.....                           | 13,600.00    |              |
|   | <hr/>        | \$26,600.00  |
| Lincoln-street school, Lincoln street, corner Merrimack:  |              |              |
| Building .....  | \$15,000.00  |              |
| 40,000 square feet of land.....                           | 8,000.00     |              |
|   | <hr/>        | \$53,000.00  |
| Ash-street school, Ash street, corner Bridge:             |              |              |
| Building .....  | \$50,000.00  |              |
| 57,537 square feet of land.....                           | 17,262.00    |              |
|   | <hr/>        | \$67,262.00  |
| Main-street school, North Main street, West Manchester:   |              |              |
| Building .....  | \$6,000.00   |              |
| 40,293.4 square feet of land.....                         | 10,073.00    |              |
|   | <hr/>        | \$16,073.00  |
| Webster-street school, Webster street:                    |              |              |
| Building .....  | \$39,000.00  |              |
| 55,714 $\frac{1}{4}$ square feet of land.....             | 13,928.00    |              |
|   | <hr/>        | \$52,928.00  |
| Blodget-street school, Blodget street:                    |              |              |
| Building .....  | \$1,500.00   |              |
| 9,000 square feet of land.....                            | 3,600.00     |              |
|   | <hr/>        | \$5,100.00   |
| Lowell-street school, Lowell street, corner Chestnut:     |              |              |
| Building .....  | \$1,000.00   |              |
| 9,000 square feet of land.....                            | 9,000.00     |              |
|   | <hr/>        | \$10,000.00  |
| Merrimack-street school, Merrimack street, corner Union:  |              |              |
| Building .....  | \$15,000.00  |              |
| 12,600 square feet of land.....                           | 6,300.00     |              |
|   | <hr/>        | \$21,300.00  |
| Parker school, South Main street, West Manchester:        |              |              |
| Building .....  | \$20,000.00  |              |
| 13,650 square feet of land.....                           | 2,047.00     |              |
|   | <hr/>        | \$22,047.00  |

VALUATION OF REAL ESTATE OWNED BY THE CITY. 167

|   |             |             |
|---|-------------|-------------|
| Bakersville school, Elm street, south:                      |             |             |
| Building .....  | \$27,592.00 |             |
| 24,184 square feet of land.....                             | 3,628.00    |             |
|   | <hr/>       | \$31,220.00 |
| Stark District school, River road, north:                   |             |             |
| Building .....  | \$1,000.00  |             |
| 43,560 square feet of land.....                             | 100.00      |             |
|   | <hr/>       | \$1,100.00  |
| Amoskeag school, Front street, Amoskeag:                    |             |             |
| Building .....  | \$8,000.00  |             |
| 6,000 square feet of land.....                              | 1,000.00    |             |
|   | <hr/>       | \$9,000.00  |
| Rimmon school, corner Amory and Dubuque streets:            |             |             |
| Building .....  | \$24,795.00 |             |
| 16,600 square feet of land.....                             | 2,490.00    |             |
|   | <hr/>       | \$27,285.00 |
| Goffe's Falls school, Goffe's Falls:                        |             |             |
| Building .....  | \$11,000.00 |             |
| 47,916 square feet of land.....                             | 250.00      |             |
|   | <hr/>       | \$11,250.00 |
| Harvey District school, Nutt road:                          |             |             |
| Building .....  | \$2,000.00  |             |
| 21,780 square feet of land.....                             | 100.00      |             |
|   | <hr/>       | \$2,100.00  |
| Webster Mills school, Webster Mills:                        |             |             |
| Building .....  | \$400.00    |             |
| 5,445 square feet of land.....                              | 100.00      |             |
|   | <hr/>       | \$500.00    |
| Old Hallsville school, East Manchester:                     |             |             |
| Building .....  | \$500.00    |             |
| 30,075 square feet of land.....                             | 3,008.00    |             |
|   | <hr/>       | \$3,508.00  |
| Youngsville school, Youngsville:                            |             |             |
| Building .....  | \$9,000.00  |             |
| 51,228 square feet of land.....                             | 100.00      |             |
|   | <hr/>       | \$9,100.00  |
| Mosquito Pond school, Mosquito Pond:                        |             |             |
| Building .....  | \$400.00    |             |
| 10,890 square feet of land.....                             | 100.00      |             |
|   | <hr/>       | \$500.00    |
| Pearl-street school:  |             |             |
| Building .....  | \$18,700.00 |             |
| Land .....  | 3,200.00    |             |
|   | <hr/>       | \$21,000.00 |
| Varney school, Bowman street, corner Mast, West Manchester: |             |             |
| Building .....  | \$43,750.00 |             |
| Land .....  | 6,700.00    |             |
|   | <hr/>       | \$50,450.00 |

|  |             |              |
|--|-------------|--------------|
| New Hallsville school, Jewett street, corner Young, East Manchester: |             |              |
| Building .....   | \$47,800.00 |              |
| 44,000 square feet of land.....                                      | 3,300.00    |              |
|  |             | \$51,100.00  |
| Straw school, Chestnut street, corner Harrison:                      |             |              |
| Building .....   | \$30,000.00 |              |
| 32,400 square feet of land.....                                      | 16,200.00   |              |
|  |             | \$46,200.00  |
| New Wilson school, Wilson, Cedar, and Auburn streets:                |             |              |
| Building .....   | \$30,000.00 |              |
| 40,000 square feet of land.....                                      | 5,000.00    |              |
|  |             | \$35,000.00  |
| South Manchester school, Titus avenue:                               |             |              |
| Building .....   | \$12,000.00 |              |
| 48,400 square feet of land.....                                      | 1,000.00    |              |
|  |             | \$13,000.00  |
| Chandler school, Concord street, corner Ashland:                     |             |              |
| Building .....   | \$37,300.00 |              |
| 23,239 square feet of land.....                                      | 4,675.00    |              |
|  |             | \$41,975.00  |
|  |             | \$842,518.00 |

## ENGINE-HOUSES.

|   |             |             |
|---|-------------|-------------|
| Engine-house and stable, Central Station, Vine street:              |             |             |
| Building .....  | \$31,800.00 |             |
| 21,718.86 square feet of land.....                                  | 25,438.00   |             |
|   |             | \$57,238.00 |
| North Main-street engine-house, North Main street, West Manchester: |             |             |
| Building .....  | \$18,000.00 |             |
| 11,819 square feet of land.....                                     | 2,955.00    |             |
|   |             | \$20,955.00 |
| Webster-street engine-house, Webster street, corner Chestnut:       |             |             |
| Building .....  | \$12,000.00 |             |
| 8,510 square feet of land.....                                      | 2,180.00    |             |
|   |             | 14,180.00   |
| Merrimack engine-house, Lake avenue:                                |             |             |
| Building .....  | \$15,000.00 |             |
| 10,000 square feet of land.....                                     | 3,000.00    |             |
|   |             | \$18,000.00 |
| Hosehouse and cottage, Maple street, corner East High:              |             |             |
| Building .....  | \$3,000.00  |             |
| 18,330 square feet of land.....                                     | 3,666.00    |             |
|   |             | \$6,666.00  |

VALUATION OF REAL ESTATE OWNED BY THE CITY. 169

|   |             |              |
|---|-------------|--------------|
| Engine-house and wardroom, ward 9, Rimmon and Amory streets, West Manchester: |             |              |
| Building .....  | \$22,755.00 |              |
| 6,000 square feet of land.....  | 870.00      |              |
|   | <hr/>       | \$23,625.00  |
| South Manchester hosehouse:   |             |              |
| Building .....  | \$4,200.00  |              |
| 4,278 square feet of land.....  | 684.00      |              |
|   | <hr/>       | \$4,884.00   |
| Engine-house, Concord street, corner Weston:                                  |             |              |
| Building .....  | \$6,800.00  |              |
| 15,000 square feet of land.....   | 1,000.00    |              |
|   | <hr/>       | \$7,800.00   |
| Hosehouse and wardroom, Somerville street:                                    |             |              |
| Building .....  | \$15,000.00 |              |
| 10,527.75 square feet of land.....  | 950.00      |              |
|   | <hr/>       | \$15,950.00  |
|   |             | <hr/>        |
|   |             | \$169,298.00 |

OTHER PUBLIC BUILDINGS AND LOTS.

|  |             |              |
|--|-------------|--------------|
| City Library, Dean avenue, corner Franklin street:   |             |              |
| Building .....                                       | \$35,000.00 |              |
| 15,000 square feet of land.....                      | 30,000.00   |              |
|  | <hr/>       | \$65,000.00  |
| City Hall, Elm street, corner Market:                |             |              |
| Building .....                                       | \$20,000.00 |              |
| 100,000 square feet of land.....                     | 150,000.00  |              |
|  | <hr/>       | \$170,000.00 |
| City farm, Mammoth road:                             |             |              |
| Building .....                                       | \$5,000.00  |              |
| 40.27 acres, west Mammoth road.....                  | 40,270.00   |              |
| 81.55 acres, east Mammoth road.....                  | 65,240.00   |              |
|  | <hr/>       | \$110,510.00 |
| Court house, Franklin street, corner West Merrimack: |             |              |
| Building .....                                       | \$20,000.00 |              |
| 19,000 square feet of land.....                      | 57,000.00   |              |
|  | <hr/>       | \$77,000.00  |
| Battery building, Manchester street:                 |             |              |
| Building .....                                       | \$13,000.00 |              |
| 3,400 square feet of land.....                       | 5,100.00    |              |
|  | <hr/>       | \$18,100.00  |
| Police station, Manchester street, corner Chestnut:  |             |              |
| Building .....                                       | \$40,000.00 |              |
| 7,500 square feet of land.....                       | 15,000.00   |              |
|  | <hr/>       | \$55,000.00  |

## Slayton lot, Manchester street:

|                                |            |            |
|--------------------------------|------------|------------|
| Police patrol stable.....      | \$4,000.00 |            |
| Building .....                 | 300.00     |            |
| 2,908 square feet of land..... | 4,700.00   |            |
|                                |            | \$9,000.00 |

## City stable and other buildings, Franklin street:

|                                 |             |              |
|---------------------------------|-------------|--------------|
| Building .....                  | \$15,950.00 |              |
| 44,656 square feet of land..... | 89,312.00   |              |
|                                 |             | \$105,262.00 |

## City yard, Lincoln, Hayward, Maple, and Valley streets:

|                                  |  |             |
|----------------------------------|--|-------------|
| 231,000 square feet of land..... |  | \$15,000.00 |
|----------------------------------|--|-------------|

## Police station, Clinton street, West Manchester:

|                                |            |            |
|--------------------------------|------------|------------|
| Building .....                 | \$3,500.00 |            |
| 3,790 square feet of land..... | 1,000.00   |            |
|                                |            | \$4,500.00 |

## Ward 5 wardroom, Lake avenue:

|                |            |            |
|----------------|------------|------------|
| Building ..... | \$4,500.00 |            |
| Land .....     | 1,000.00   |            |
|                |            | \$5,500.00 |

|                                   |  |            |
|-----------------------------------|--|------------|
| City stable, district No. 10..... |  | \$1,200.00 |
|-----------------------------------|--|------------|

## City scales, Franklin street:

|                |  |          |
|----------------|--|----------|
| Building ..... |  | \$300.00 |
|----------------|--|----------|

## Gravel lots, Goffstown:

|               |  |          |
|---------------|--|----------|
| 2 acres ..... |  | \$400.00 |
|---------------|--|----------|

## Gravel lot, Youngsville:

|              |  |          |
|--------------|--|----------|
| 1 acre ..... |  | \$500.00 |
|--------------|--|----------|

|                                  |  |          |
|----------------------------------|--|----------|
| Gravel lot, East Manchester..... |  | \$800.00 |
|----------------------------------|--|----------|

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\$638,072.00

### Personal Property Owned by the City.

|   |            |              |
|---|------------|--------------|
| Property in care city engineer .....                              | \$1,350.00 |              |
| chief engineer fire department.....                               | 131,780.00 |              |
| street & Park commission (estimated)                              | 32,336.67  |              |
| superintendent of schools.....                                    | 37,049.00  |              |
| city messenger.....   | 3,000.00   |              |
| chief of police and janitor.....                                  | 7,250.00   |              |
| trustees city library.....  | 30,000.00  |              |
| superintendent of Pine Grove cemetery                             | 2,246.87   |              |
| superintendent of Valley cemetery....                             | 437.80     |              |
| Stock in Suncook Valley Railroad, in care of city treasurer ..... |            | 30,000.00    |
| Personal property in care city weigher.....                       |            | 1,000.00     |
|   |            | \$276,450.34 |
| Uncollected taxes in 1910.....                                    |            | 72,217.38    |
| Net cash in treasury, December 31, 1910.....                      |            | 126,281.64   |
|   |            | \$198,499.02 |



Other Real and Personal Estate Owned by the City.

|   |                |
|---|----------------|
| Soldiers' monument .....                              | \$25,000.00    |
| Amoskeag bridge over Merrimack river.....             | 25,000.00      |
| Fountains and water-troughs on streets and commons... | 3,600.00       |
| City tomb .....                                       | 10,000.00      |
| McGregor bridge .....                                 | 90,000.00      |
| Granite bridge .....                                  | 130,000.00     |
| South Main-street bridge, over Piscataquog river..... | 28,450.00      |
| Second-street bridge, over Piscataquog river.....     | 52,036.00      |
| Granite-street bridge, over B. & M. R. R.....         | 6,000.00       |
| Print-Works bridge, on Granite, over lower canal..... | 10,000.00      |
| Two bridges in highway district No. 9.....            | 2,000.00       |
| One bridge at Goffe's Falls.....                      | 3,500.00       |
| Expended on construction of sewers.....               | 905,817.00     |
|   | <hr/>          |
|   | \$1,291,403.00 |

PARKS AND CEMETERIES.

|   |              |
|---|--------------|
| Valley cemetery, 19.7 acres.....              | \$200,000.00 |
| Pine Grove cemetery, Ursula chapel.....       | 16,000.00    |
| Pine Grove cemetery, about 192.316 acres..... | 73,172.00    |
| Amoskeag cemetery, 1.23 acres.....            | 4,340.00     |
| Stark park, 28 acres.....                     | 9,000.00     |
| Derryfield park, 76 acres.....                | 25,000.00    |
| Concord common, 4.48 acres.....               | 200,000.00   |
| Tremont common, 2.25 acres.....               | 40,000.00    |
| Hanover common, 3 acres.....                  | 100,000.00   |
| Park common, 3.49 acres.....                  | 60,000.00    |
| Merrimack common, 5.89 acres.....             | 200,000.00   |
| Wagner's park, 9.85 acres.....                | 12,000.00    |
| Land on Piscataquog river.....                | 3,500.00     |
| Lafayette park, 90,500 square feet.....       | 13,500.00    |
| Prout park, 5.73 acres.....                   | 15,000.00    |
| East Side park, 19,306.46 square feet.....    | 4,000.00     |
|   | <hr/>        |
|   | \$976,512.00 |

WATER-WORKS.

|   |                |
|---|----------------|
| Real estate and personal property of water-works, at cost price ..... | \$2,043,799.02 |
|---|----------------|

RECAPITULATION.

|  |              |
|--|--------------|
| Real estate owned by the city, schoolhouses..... | \$842,518.00 |
| Real estate owned by city.....                   | 638,072.00   |
| Real estate owned by city, engine-houses.....    | 169,298.00   |
| Water-works at cost price.....                   | 2,043,799.02 |

|  |                |
|--|----------------|
| Personal property owned by the city..... | \$276,450.34   |
| Uncollected taxes and cash.....          | 198,499.02     |
| Other real and personal property.....    | 1,291,403.00   |
| Parks and cemeteries.....                | 976,512.00     |
|  | <hr/>          |
|  | \$6,436,551.38 |

## PROPERTY ACCOUNT.

|   |                |
|---|----------------|
| Inventory of assets, December 31, 1910..... | \$6,436,551.38 |
| Inventory of assets, December 31, 1909..... | 6,219,874.91   |
|   | <hr/>          |
| Gain in valuation.....                      | \$216,676.47   |

## Auditor's Office.

City hall building. Open from 9 to 12 A. M., 1.30 to 5 P. M.

In every bill presented to the city auditor for his approval, the following points will be considered and passed upon:

1. Is the subject matter of the bill under examination within the scope of the powers conferred by the legislature on the city government?

2. Is the bill certified by the party legally authorized to make the contract, or cause the expenditure to be made?

3. Has any appropriation been made to meet the expenditure, and is there a balance unexpended sufficient to pay this bill?

4. Are the number of articles in the bill, or the measurements, either of dimensions, quantities or weights, correctly and fully stated, and is the proof of the delivery to the city of the whole amount charged sufficient?

5. Is the price charged a fair market price, or is it so largely in excess as to require the attention of the city councils to be called to the same?

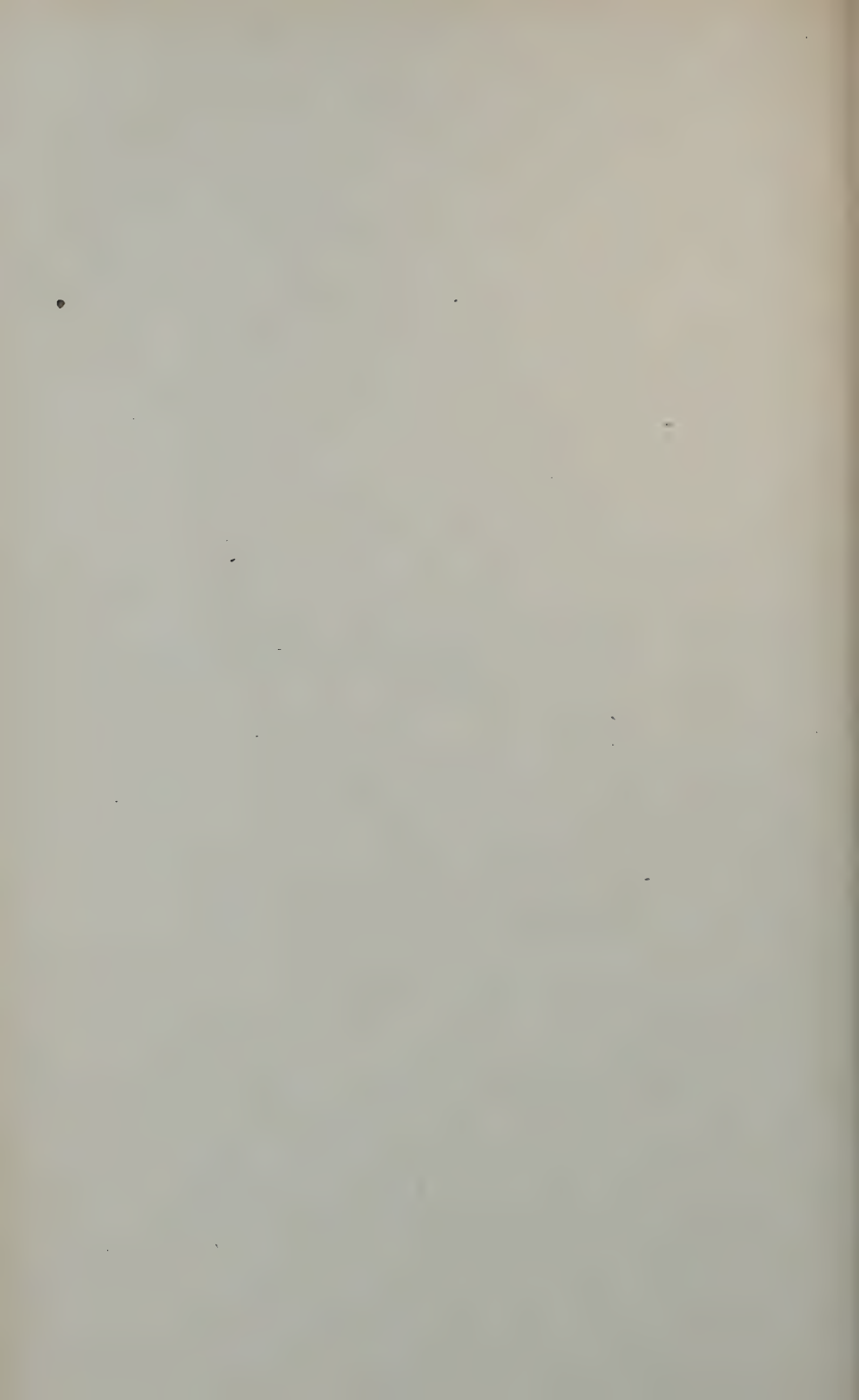
6. Is the bill written in a fair, legible hand, correctly cast, and on paper of sufficient length and width to admit of its proper backing and filing?

7. If the bill is in part payment of a contract, the date and the total amount of the contract, the amount already paid, the amount of the work not yet completed, and the percent retained, if any, should be stated in the bill.

8. Any other inquiries in matters of law and fact which affect the question of indebtedness before the auditor.

9. Approval, rejection or suspension for further information or correction as the circumstances of each case may require.

ARC AND TUNGSTEN ELECTRIC  
LIGHTS.



# ARC AND TUNGSTEN ELECTRIC LIGHTS.

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## List of Arc Lights Used by the City of Manchester.

|     |  |       |
|-----|--|-------|
| No. | 1. A street, opposite No. 73,              | arm.  |
|     | 2. A and South Main,                       | “     |
|     | 3. Adams and Cartier,                      | “     |
|     | 4. Amherst and Elm,                        | “     |
|     | 5. Amherst and Vine,                       | “     |
|     | 6. Amherst and Chestnut,                   | “     |
|     | 7. Amherst and Pine,                       | “     |
|     | 8. Amherst, opposite Y. M. C. A. building, | “     |
|     | 9. Amherst and Union,                      | “     |
|     | 10. Amherst and Beech,                     | “     |
|     | 11. Amherst and Ash,                       | “     |
|     | 12. Amherst and Maple,                     | “     |
|     | 13. Amherst and Dutton,                    | “     |
|     | 14. Amherst and Lincoln,                   | “     |
|     | 15. Amherst and Ashland,                   | “     |
|     | 16. Amherst and Hall,                      | “     |
|     | 17. Amory and Morgan,                      | “     |
|     | 18. Amory and Essex,                       | “     |
|     | 19. Amory and Alsace,                      | “     |
|     | 20. Amory, near Montgomery,                | “     |
|     | 21. Amory and Amory street extension,      | “     |
|     | 22. Amory and Rimmon,                      | pole. |
|     | 23. Amory and Dubuque,                     | “     |
|     | 24. Amory and Beauport,                    | “     |
|     | 25. Amory and Main,                        | arm.  |
|     | 26. Amoskeag bridge, west,                 | pole. |
|     | 27. Amoskeag bridge, east,                 | “     |
|     | 28. Amoskeag and Front,                    | “     |
|     | 29. Appleton and Elm,                      | arm.  |
|     | 30. Appleton and North Adams,              | pole. |
|     | 31. Appleton and Union,                    | arm.  |
|     | 32. Arlington and Russell,                 | “     |
|     | 33. Arlington and Warren,                  | “     |
|     | 34. Arlington and Ashland,                 | “     |
|     | 35. Auburn and Elm,                        | “     |

|         |                                   |       |
|---------|-----------------------------------|-------|
| No. 36. | Auburn and Chestnut,              | arm.  |
| 37.     | Auburn and Pine,                  | "     |
| 38.     | Auburn and Union,                 | pole. |
| 39.     | Auburn and Beech,                 | "     |
| 40.     | Auburn and Maple,                 | "     |
| 41.     | Auburn and Lincoln,               | arm   |
| 42.     | Auburn and Wilson,                | "     |
| 43.     | Auburn and Canton,                | "     |
| 44.     | Auger avenue and Nutt road,       | "     |
| 45.     | Baker and Brown avenue,           | "     |
| 46.     | Baker and Elm,                    | "     |
| 47.     | Baker and Calef road,             | "     |
| 48.     | Bath and Second,                  | pole. |
| 49.     | Beech and Portsmouth Railroad,    | arm.  |
| 50.     | Beech and Lawrence Railroad,      | "     |
| 51.     | Bell and Wentworth,               | "     |
| 52.     | Bismarck and Sylvester,           | pole. |
| 53.     | Blaine and Maine,                 | arm.  |
| 54.     | Blaine and Third,                 | "     |
| 55.     | Blaine and Second,                | "     |
| 56.     | Blodget and Elm east back,        | "     |
| 57.     | Blodget and Pine,                 | "     |
| 58.     | Blodget and Union,                | "     |
| 59.     | Blodget and Walnut,               | "     |
| 60.     | Blodget and Beech,                | "     |
| 61.     | Blodget and Ash,                  | "     |
| 62.     | Blodget and Oak,                  | "     |
| 63.     | Blodget and Russell,              | "     |
| 64.     | Bow and Bartlett,                 | "     |
| 65.     | Boynton street, opposite No. 135, | "     |
| 66.     | Bowman place and Tilton,          | "     |
| 67.     | Bowman street, opposite No. 172,  | "     |
| 68.     | Bremer and Dubuque,               | "     |
| 69.     | Bridge and McGregor,              | "     |
| 70.     | Bridge and Canal,                 | "     |
| 71.     | Bridge and Elm,                   | "     |
| 72.     | Bridge and Birch,                 | "     |
| 73.     | Bridge and Chestnut,              | "     |
| 74.     | Bridge and Pine,                  | "     |
| 75.     | Bridge and Union,                 | "     |
| 76.     | Bridge and Walnut,                | "     |
| 77.     | Bridge and Beech,                 | "     |
| 78.     | Bridge and Ash,                   | "     |
| 79.     | Bridge and Maple,                 | "     |
| 80.     | Bridge and Nashua,                | "     |
| 81.     | Bridge and Malvern,               | "     |



|         |                                   |       |
|---------|-----------------------------------|-------|
| No. 82. | Bridge and Linden,                | arm.  |
| 83.     | Bridge and Hall,                  | "     |
| 84.     | Bridge and Belmont,               | "     |
| 85.     | Bridge and Weston,                | "     |
| 86.     | Bridge and Highland,              | "     |
| 87.     | Bridge and Mammoth road,          | "     |
| 88.     | Brown avenue and Elm,             | "     |
| 89.     | Brown avenue, opposite No. 445,   | "     |
| 90.     | Brook and Elm,                    | "     |
| 91.     | Brook and Chestnut,               | "     |
| 92.     | Brook and Pine,                   | "     |
| 93.     | Brook and Hazel,                  | pole. |
| 94.     | Brook and Union,                  | arm.  |
| 95.     | Brook and Walnut,                 | "     |
| 96.     | Brook and Beech,                  | "     |
| 97.     | Brook and Maple,                  | pole. |
| 98.     | C and B,                          | "     |
| 99.     | Campbell and Union,               | arm.  |
| 100.    | Candia road and Mammoth road,     | "     |
| 101.    | Carpenter and Elm,                | "     |
| 102.    | Carpenter and Chestnut,           | "     |
| 103.    | Carpenter and Union,              | "     |
| 104.    | Cedar and Canal,                  | "     |
| 105.    | Cedar and Franklin,               | pole. |
| 106.    | Cedar and Elm,                    | arm.  |
| 107.    | Cedar and Chestnut,               | "     |
| 108.    | Cedar and Pine,                   | "     |
| 109.    | Cedar and Union,                  | "     |
| 110.    | Cedar and Beech,                  | "     |
| 111.    | Cedar and Maple,                  | "     |
| 112.    | Cedar and Lincoln,                | "     |
| 113.    | Central and Bedford,              | "     |
| 114.    | Central street, opposite No. 74,  | pole. |
| 115.    | Central and Franklin,             | arm.  |
| 116.    | Central and Elm,                  | "     |
| 117.    | Central and Chestnut,             | "     |
| 118.    | Central and Pine,                 | "     |
| 119.    | Central and Union,                | "     |
| 120.    | Central and Beech,                | "     |
| 121.    | Central and Maple,                | "     |
| 122.    | Central and Lincoln,              | "     |
| 123.    | Central and Wilson,               | "     |
| 124.    | Central and Hall,                 | "     |
| 125.    | Central street, opposite No. 536, | "     |
| 126.    | Charles street,                   | "     |
| 127.    | Charleston avenue and Carroll,    | "     |

|          |                                    |       |
|----------|------------------------------------|-------|
| No. 128. | Chestnut street, opposite No. 855, | arm.  |
| 129.     | Clarke and River road,             | "     |
| 130.     | Clarke and Elm,                    | "     |
| 131.     | Clarke and North Adams,            | "     |
| 132.     | Clarke and Union,                  | "     |
| 133.     | Clinton and Dover,                 | "     |
| 134.     | Conant and Montgomery,             | "     |
| 135.     | Conant and Rimmon,                 | pole. |
| 136.     | Conant and Beauport,               | arm.  |
| 137.     | Concord and Vine,                  | "     |
| 138.     | Concord and Chestnut,              | "     |
| 139.     | Concord and Pine,                  | "     |
| 140.     | Concord and Union,                 | "     |
| 141.     | Concord and Walnut,                | "     |
| 142.     | Concord and Beech,                 | "     |
| 143.     | Concord and Ash,                   | "     |
| 144.     | Concord and Maple,                 | "     |
| 145.     | Concord and Dutton,                | "     |
| 146.     | Concord and Derry,                 | "     |
| 147.     | Concord and Ashland,               | "     |
| 148.     | Concord and Hall,                  | "     |
| 149.     | Concord common, west,              | pole. |
| 150.     | Concord common, east,              | "     |
| 151.     | Coolidge avenue and Beauport,      | arm.  |
| 152.     | Coolidge avenue, near Kelley,      | "     |
| 153.     | Coolidge avenue and Cartier,       | "     |
| 154.     | Dean and Canal,                    | "     |
| 155.     | Dean and Elm,                      | "     |
| 156.     | Dean avenue and Hampshire lane,    | pole. |
| 157.     | Dearborn and Taylor,               | arm.  |
| 158.     | Depot and Canal,                   | pole. |
| 159.     | Depot and Franklin,                | arm.  |
| 160.     | Derryfield park,                   | "     |
| 161.     | Donald street, near cemetery,      | "     |
| 162.     | Douglas and Railroad,              | pole. |
| 163.     | Douglas and Barr,                  | arm.  |
| 164.     | Douglas and West,                  | pole. |
| 165.     | Douglas and Main,                  | arm.  |
| 166.     | Dunbarton road and Front,          | "     |
| 167.     | East High and Nashua,              | "     |
| 168.     | East High and South,               | "     |
| 169.     | East High and Malvern,             | "     |
| 170.     | East High and Ashland,             | "     |
| 171.     | East High and Hall,                | "     |
| 172.     | East High and Buzzell,             | "     |
| 173.     | Spruce and Chestnut west back,     | "     |

|          |                                 |       |
|----------|---------------------------------|-------|
| No. 174. | East Spruce and Barry avenue,   | arm.  |
| 175.     | East Spruce and Union,          | "     |
| 176.     | East Spruce and Beech,          | "     |
| 177.     | East Spruce and Maple,          | "     |
| 178.     | East Spruce and Lincoln,        | "     |
| 179.     | East Spruce and Wilson,         | "     |
| 180.     | East Spruce and Hall,           | "     |
| 181.     | East Spruce and Massabesic,     | "     |
| 182.     | East Spruce and Old Falls road, | "     |
| 183.     | East Spruce and Beacon,         | "     |
| 184.     | Elm street, opposite No. 1966,  | "     |
| 185.     | Elm, below railway bridge,      | "     |
| 186.     | Elm and railway bridge,         | pole. |
| 187.     | Elm avenue and Elm,             | arm.  |
| 188.     | Ferry and Main,                 | "     |
| 189.     | Ferry and Third,                | "     |
| 190.     | Ferry and Turner,               | pole. |
| 191.     | Front street, opposite No. 367, | "     |
| 192.     | Gates and Dubuque,              | "     |
| 193.     | Goffstown road and Front,       | "     |
| 194.     | Goffstown road and Omega,       | arm.  |
| 195.     | Grove and Pine,                 | "     |
| 196.     | Grove and Union,                | "     |
| 197.     | Grove and Beech,                | "     |
| 198.     | Grove and Belmont,              | "     |
| 199.     | Granite and Green,              | "     |
| 200.     | Granite and West,               | "     |
| 201.     | Granite and Main,               | "     |
| 202.     | Granite and Second,             | "     |
| 203.     | Granite bridge, west,           | pole. |
| 204.     | Granite bridge, center,         | "     |
| 205.     | Granite bridge, east,           | "     |
| 206.     | Granite and State,              | arm.  |
| 207.     | Granite and Bedford,            | "     |
| 208.     | Granite and Canal,              | pole. |
| 209.     | Granite and Franklin,           | "     |
| 210.     | Green and Elm,                  | "     |
| 211.     | Green and Pine,                 | "     |
| 212.     | Green and Union,                | "     |
| 213.     | Green and Beech,                | "     |
| 214.     | Grant and Boynton,              | "     |
| 215.     | Hancock and Brown avenue,       | "     |
| 216.     | Hanover common,                 | "     |
| 217.     | Hanover and Nutfield lane,      | arm.  |
| 218.     | Hanover and Chestnut,           | "     |
| 219.     | Hanover and Pine,               | "     |

|          |                                    |       |
|----------|------------------------------------|-------|
| No. 220. | Hanover and Union,                 | arm.  |
| 221.     | Hanover and Beech,                 | "     |
| 222.     | Hanover and Maple,                 | "     |
| 223.     | Hanover and Lincoln,               | "     |
| 224.     | Hanover and Ashland,               | "     |
| 225.     | Hanover and Hall,                  | "     |
| 226.     | Hanover and Belmont,               | "     |
| 227.     | Hanover and Beacon,                | "     |
| 228.     | Hanover and Alfred,                | "     |
| 229.     | Hanover and Highland,              | pole. |
| 230.     | Hanover and Grant,                 | arm.  |
| 231.     | Hanover and Lake avenue,           | pole. |
| 232.     | Hanover and Page,                  | arm.  |
| 233.     | Harrison and Elm,                  | "     |
| 234.     | Harrison and Chestnut,             | "     |
| 235.     | Harrison and Pine,                 | "     |
| 236.     | Harrison and Hazel,                | "     |
| 237.     | Harrison and Union,                | "     |
| 238.     | Harrison and Walnut,               | "     |
| 239.     | Harrison and Beech,                | "     |
| 240.     | Harrison and Ash,                  | "     |
| 241.     | Harrison and Maple,                | "     |
| 242.     | Harrison and Oak,                  | "     |
| 243.     | Harrison and Russell,              | "     |
| 244.     | Harrison street, opposite No. 329, | "     |
| 245.     | Harvell and South Main,            | "     |
| 246.     | Hayward and Beech,                 | "     |
| 247.     | Hayward and Cypress,               | pole. |
| 248.     | Hayward and Riley avenue,          | arm.  |
| 249.     | High and Chestnut,                 | "     |
| 250.     | High and Pine,                     | "     |
| 251.     | High and Union,                    | "     |
| 252.     | Hollis and Canal,                  | "     |
| 253.     | Hollis, below Elm west back,       | "     |
| 254.     | Hospital avenue and Massabesic,    | pole. |
| 255.     | Kelley and Rimmon,                 | arm.  |
| 256.     | Kelley and Cartier,                | pole. |
| 257.     | Kelley and Alsace,                 | arm.  |
| 258.     | Kidder and Boyden,                 | pole. |
| 259.     | Kidder and Whitney,                | "     |
| 260.     | Kidder and Elm,                    | "     |
| 261.     | Lake avenue and Elm,               | "     |
| 262.     | Lake avenue and Chestnut,          | "     |
| 263.     | Lake avenue and Pine,              | "     |
| 264.     | Lake avenue and Union,             | "     |
| 265.     | Lake avenue and Beech,             | "     |

|          |                                      |       |
|----------|--------------------------------------|-------|
| No. 266. | Lake avenue and Maple,               | pole. |
| 267.     | Lake avenue and Lincoln,             | "     |
| 268.     | Lake avenue and Wilson,              | "     |
| 269.     | Lake avenue and Massabesic,          | "     |
| 270.     | Lake avenue and Belmont,             | arm.  |
| 271.     | Lake avenue and Beacon,              | "     |
| 272.     | Lake avenue, opposite No. 529,       | "     |
| 273.     | Lake avenue and Cass,                | pole. |
| 274.     | Lake avenue and Canton,              | "     |
| 275.     | Lake avenue and J. Hall road,        | "     |
| 276.     | Langdon and Canal,                   | arm.  |
| 277.     | Langdon and Elm west back,           | pole. |
| 278.     | Laurel and Laurel avenue,            | arm.  |
| 279.     | Laurel and Pine,                     | "     |
| 280.     | Laurel and Union,                    | "     |
| 281.     | Laurel and Beech,                    | "     |
| 282.     | Laurel and Maple,                    | "     |
| 283.     | Laurel and Lincoln,                  | "     |
| 284.     | Laurel and Wilson,                   | "     |
| 285.     | Laurel and Hall,                     | "     |
| 286.     | Laurel and Belmont,                  | "     |
| 287.     | Laurel and Milton,                   | "     |
| 288.     | Laurel and Beacon,                   | "     |
| 289.     | Laurel and Cass,                     | "     |
| 290.     | Liberty street, opposite No. 93,     | "     |
| 291.     | Lowell south back and Nutfield lane, | "     |
| 292.     | Lowell and Elm,                      | "     |
| 293.     | Lowell and Birch,                    | "     |
| 294.     | Lowell and Chestnut,                 | "     |
| 295.     | Lowell and Pine,                     | "     |
| 296.     | Lowell and Union,                    | "     |
| 297.     | Lowell and Walnut,                   | "     |
| 298.     | Lowell and Beech,                    | "     |
| 299.     | Lowell and Ash,                      | "     |
| 300.     | Lowell and Nashua,                   | "     |
| 301.     | Lowell and Malvern,                  | "     |
| 302.     | Lowell and Ashland,                  | "     |
| 303.     | Lowell and Hall,                     | "     |
| 304.     | Lowell and Belmont,                  | "     |
| 305.     | Manchester and Elm,                  | "     |
| 306.     | Manchester and Chestnut,             | "     |
| 307.     | Manchester and Pine,                 | "     |
| 308.     | Manchester and Union,                | "     |
| 309.     | Manchester and Beech,                | "     |
| 310.     | Manchester and Maple,                | "     |
| 311.     | Manchester and Lincoln,              | "     |

|          |                                     |       |
|----------|-------------------------------------|-------|
| No. 312. | Manchester and Wilson,              | arm.  |
| 313.     | Manchester and Hall,                | "     |
| 314.     | Manchester and Milton,              | pole. |
| 315.     | Market and Canal,                   | arm.  |
| 316.     | Market and Franklin,                | "     |
| 317.     | Market and Elm,                     | "     |
| 318.     | Marion and Main,                    | pole. |
| 319.     | Marion and McGregor,                | arm.  |
| 320.     | Massabesic and Belmont,             | pole. |
| 321.     | Massabesic and Old Falls road,      | arm.  |
| 322.     | Massabesic and Cypress,             | "     |
| 323.     | Massabesic, north of Valley,        | "     |
| 324.     | Massabesic and J. Hall road,        | "     |
| 325.     | Mast and Main,                      | pole. |
| 326.     | Mast and Bowman,                    | arm.  |
| 327.     | Mast and Riddle,                    | pole. |
| 328.     | Mast and New Mast road,             | arm.  |
| 329.     | Mast and Forest,                    | "     |
| 330.     | McGregor and Main,                  | "     |
| 331.     | McGregor bridge, west,              | pole. |
| 332.     | McGregor bridge, east,              | "     |
| 333.     | McDuffie and Huntress,              | arm.  |
| 334.     | Meade and Hall,                     | "     |
| 335.     | Mechanic and Canal,                 | "     |
| 336.     | Mechanic and Hampshire lane,        | "     |
| 337.     | Merrimack and Canal,                | "     |
| 338.     | Merrimack and Franklin back street, | "     |
| 339.     | Merrimack and Franklin,             | "     |
| 340.     | Merrimack and Elm,                  | "     |
| 341.     | Merrimack and Chestnut,             | "     |
| 342.     | Merrimack and Pine,                 | "     |
| 343.     | Merrimack and Union,                | "     |
| 344.     | Merrimack and Beech,                | "     |
| 345.     | Merrimack and Maple,                | "     |
| 346.     | Merrimack and Lincoln,              | "     |
| 347.     | Merrimack and Wilson,               | "     |
| 348.     | Merrimack and Hall,                 | "     |
| 349.     | Merrimack and Belmont,              | "     |
| 350.     | Merrimack and Beacon,               | "     |
| 351.     | Merrimack street, opposite No. 532, | "     |
| 352.     | Merrimack common, west,             | pole. |
| 353.     | Merrimack south back and Union,     | arm.  |
| 354.     | Middle and Canal,                   | "     |
| 355.     | Middle and Franklin west back,      | "     |
| 356.     | Milford and Carroll,                | "     |
| 357.     | Milford and Riddle,                 | "     |



|          |   |       |
|----------|---|-------|
| No. 358. | Milford and Main,                         | arm.  |
| 359.     | Mitchell and Beech,                       | "     |
| 360.     | Monmouth and McGregor back street,        | pole. |
| 361.     | Monroe and River road,                    | arm.  |
| 362.     | Myrtle and Elm east back,                 | "     |
| 363.     | Myrtle and Chestnut,                      | "     |
| 364.     | Myrtle and Pine,                          | "     |
| 365.     | Myrtle and Union,                         | "     |
| 366.     | Myrtle and Walnut,                        | "     |
| 367.     | Myrtle and Beech,                         | "     |
| 368.     | Myrtle and Maple,                         | "     |
| 369.     | Myrtle and Russell,                       | "     |
| 370.     | Myrtle street, opposite No. 350,          | "     |
| 371.     | Nelson and Mammoth road,                  | "     |
| 372.     | New Mast road and D,                      | "     |
| 373.     | New Mast road and Wilkins,                | pole. |
| 374.     | North and River road,                     | arm.  |
| 375.     | North and Elm,                            | "     |
| 376.     | North and Bay,                            | "     |
| 377.     | North and Chestnut,                       | "     |
| 378.     | North and Pine,                           | pole. |
| 379.     | North and Union,                          | arm.  |
| 380.     | North and Walnut,                         | "     |
| 381.     | North and Beech,                          | "     |
| 382.     | North Main street in Eddy,                | pole. |
| 383.     | North Adams street, opposite No. 63,      | arm.  |
| 384.     | Nutfield lane, rear Central Fire Station, | "     |
| 385.     | Nutt road and Beech,                      | "     |
| 386.     | Nutt road and Portsmouth railroad,        | pole. |
| 387.     | Nutt road and Willow,                     | arm.  |
| 388.     | Orange and Elm,                           | "     |
| 389.     | Orange and Pine,                          | "     |
| 390.     | Orange and Union,                         | "     |
| 391.     | Orange and Ash,                           | "     |
| 392.     | Orange and Maple,                         | "     |
| 393.     | Orange and Oak,                           | "     |
| 394.     | Orange and Russell,                       | "     |
| 395.     | Orange and Linden,                        | "     |
| 396.     | Orange and Hall,                          | "     |
| 397.     | Page and Portsmouth railroad,             | "     |
| 398.     | Park common,                              | pole. |
| 399.     | Parker and West,                          | arm.  |
| 400.     | Pearl and Nutfield lane,                  | "     |
| 401.     | Pearl and Chestnut,                       | "     |
| 402.     | Pearl and Pine,                           | "     |
| 403.     | Pearl and Union,                          | "     |

|          |                                     |       |
|----------|-------------------------------------|-------|
| No. 404. | Pearl and Beech,                    | arm.  |
| 405.     | Pearl and Oak,                      | "     |
| 406.     | Pearl and Russell,                  | "     |
| 407.     | Pearl and Linden,                   | "     |
| 408.     | Pearl and Morrison,                 | pole. |
| 409.     | Pearl and Belmont,                  | arm.  |
| 410.     | Pennacook and Canal,                | pole. |
| 411.     | Pennacook and Elm,                  | arm.  |
| 412.     | Pennacook and Chestnut,             | pole. |
| 413.     | Pennacook and Pine,                 | arm.  |
| 414.     | Pennacook and Union,                | "     |
| 415.     | Pleasant and Franklin,              | "     |
| 416.     | Pleasant and Elm,                   | "     |
| 417.     | Prescott and Wilson,                | "     |
| 418.     | Prince and Boynton,                 | "     |
| 419.     | Prince and B,                       | "     |
| 420.     | Prospect and Elm east back,         | "     |
| 421.     | Prospect and Chestnut,              | "     |
| 422.     | Prospect and Pine,                  | "     |
| 423.     | Prospect and Union,                 | "     |
| 424.     | Prospect and Beech,                 | "     |
| 425.     | Prospect and Ash,                   | "     |
| 426.     | Prospect and Oak,                   | "     |
| 427.     | Prospect and Linden,                | "     |
| 428.     | Prospect and Hall,                  | "     |
| 429.     | Putnam and Bartlett,                | pole. |
| 430.     | Putnam and Cartier,                 | arm.  |
| 431.     | Putnam and Main,                    | "     |
| 432.     | Rowell and River road,              | "     |
| 433.     | Rimmon street, opposite No. 322,    | pole. |
| 434.     | River road and Otis,                | arm.  |
| 435.     | River road and Stark park,          | "     |
| 436.     | Rockland avenue and Wilkins,        | "     |
| 437.     | Rockland avenue and Goffstown line, | pole. |
| 438.     | Sagamore and Elm,                   | arm.  |
| 439.     | Sagamore and Pine,                  | "     |
| 440.     | Sagamore and Walnut,                | "     |
| 441.     | Sagamore and Maple,                 | "     |
| 442.     | Sagamore and Russell,               | "     |
| 443.     | Salmon and Canal,                   | "     |
| 444.     | Salmon and Elm,                     | "     |
| 445.     | Salmon and Bay,                     | "     |
| 446.     | Salmon and Chestnut,                | arm.  |
| 447.     | Salmon and Pine,                    | pole. |
| 448.     | Salmon and Union,                   | arm.  |
| 449.     | Salmon and Beech,                   | "     |

|          |  |       |
|----------|--|-------|
| No. 450. | School and Third,                      | arm.  |
| 451.     | School and Turner,                     | "     |
| 452.     | Schiller and Second,                   | pole. |
| 453.     | Schuyler and Main,                     | "     |
| 454.     | Shasta and Elm,                        | arm.  |
| 455.     | Silver and Union,                      | "     |
| 456.     | Silver and Beech,                      | "     |
| 457.     | Silver and Lincoln,                    | "     |
| 458.     | Silver and Wilson,                     | "     |
| 459.     | Silver and Belmont,                    | "     |
| 460.     | Somerville and Hall,                   | "     |
| 461.     | Somerville and Taylor,                 | "     |
| 462.     | Somerville and Cypress,                | "     |
| 463.     | Somerville and Jewett,                 | "     |
| 464.     | South Main street, opposite No. 520,   | "     |
| 465.     | Spruce and Elm,                        | "     |
| 466.     | Spruce south back, and Manhattan lane, | pole. |
| 467.     | Spring and Canal,                      | arm.  |
| 468.     | Spring and Hampshire lane,             | "     |
| 469.     | Stark and Canal,                       | "     |
| 470.     | Stark street, opposite No. 22,         | "     |
| 471.     | State, east back and private way,      | "     |
| 472.     | State, north Granite,                  | "     |
| 473.     | Sullivan and Thornton,                 | "     |
| 474.     | Sullivan and Beauport,                 | pole. |
| 475.     | Sullivan and Main,                     | "     |
| 476.     | Summer and Pine,                       | arm.  |
| 477.     | Summer and Union,                      | "     |
| 478.     | Summer and Hall,                       | "     |
| 479.     | Summer and Dearborn,                   | "     |
| 480.     | Summer and Belmont,                    | "     |
| 481.     | Thayer and Elm,                        | "     |
| 482.     | Titus avenue and Beech,                | "     |
| 483.     | Tremont common,                        | pole. |
| 484.     | Trenton and Union,                     | arm.  |
| 485.     | Valley and Elm,                        | "     |
| 486.     | Valley and Pine,                       | pole. |
| 487.     | Valley and Union,                      | arm.  |
| 488.     | Valley and Wilson,                     | "     |
| 489.     | Valley and Belmont,                    | "     |
| 490.     | Valley and Taylor,                     | "     |
| 491.     | Valley and Cypress,                    | "     |
| 492.     | Valley and Jewett,                     | "     |
| 493.     | Vinton and Taylor,                     | "     |
| 494.     | Walker and Main,                       | "     |

|          |  |       |
|----------|--|-------|
| No. 495. | Walker and Fourth,                     | arm.  |
| 496.     | Walker and Third,                      | "     |
| 497.     | Walker and Second,                     | "     |
| 498.     | Walker and Turner,                     | pole. |
| 499.     | Washington and Church,                 | arm.  |
| 500.     | Water street, opposite No. 22,         | "     |
| 501.     | Water and Elm,                         | "     |
| 502.     | Wayne and Dubuque,                     | pole. |
| 503.     | Wayne and Beauport,                    | arm.  |
| 504.     | Wayne and Main,                        | "     |
| 505.     | Wayne and McGregor,                    | pole. |
| 506.     | Webster and River road,                | "     |
| 507.     | Webster and Elm,                       | arm.  |
| 508.     | Webster and Chestnut,                  | "     |
| 509.     | Webster and Pine,                      | "     |
| 510.     | Webster and Walnut,                    | pole. |
| 511.     | Webster and Beech,                     | arm.  |
| 512.     | Welch avenue and Calef road,           | pole. |
| 513.     | West Hancock and South Main,           | arm.  |
| 514.     | West Hancock and Dartmouth,            | "     |
| 515.     | West Hancock and Second,               | pole. |
| 516.     | West Hancock and Wentworth,            | arm.  |
| 517.     | Whitford and Union,                    | "     |
| 518.     | Wilton and Main,                       | "     |
| 519.     | Winter and Parker,                     | "     |
| 520.     | Winter street, opposite No. 62,        | "     |
| 521.     | Winter place and Elm west back,        | "     |
| 522.     | Young and Taylor,                      | "     |
| 523.     | Young and Ainsworth avenue,            | "     |
| 524.     | Young and Mammoth road,                | "     |
| 525.     | Lake avenue and Kenney,                | "     |
| 526.     | Appleton and Chestnut,                 | "     |
| 527.     | Sagamore and Beech,                    | "     |
| 528.     | Cartier, 50 feet south of Wayne,       | "     |
| 529.     | Opposite 893 Hanover,                  | "     |
| 530.     | Amherst and Milton,                    | "     |
| 531.     | Pearl and Walnut,                      | "     |
| 532.     | Sagamore and Smyth road,               | "     |
| 533.     | Valley and Hall,                       | "     |
| 534.     | East High and Beacon,                  | "     |
| 535.     | Concord and Weston,                    | "     |
| 536.     | South Main and Erie,                   | "     |
| 537.     | Mammoth road, near Isolation hospital, | "     |
| 538.     | Valley and Beech,                      | "     |
| 539.     | Bridge and Arkwright,                  | "     |
| 540.     | Ray, between Clarke and Appleton,      | "     |

|          |  |       |
|----------|--|-------|
| No. 541. | Amoskeag and First,                          | arm.  |
| 542.     | Green and Wilson,                            | "     |
| 543.     | Pearl and Ash,                               | "     |
| 544.     | Trenton and Elm,                             | "     |
| 545.     | Blucher and Montgomery,                      | "     |
| 546.     | Byron and Josselyn,                          | "     |
| 547.     | Front street and Stearns lane,               | "     |
| 548.     | Lincoln and Portsmouth railroad,             | "     |
| 549.     | Spruce and Canton,                           | "     |
| 550.     | Central and Milton,                          | "     |
| 551.     | Brown avenue and Westland avenue,            | "     |
| 552.     | Old Bridge and Mammoth road,                 | "     |
| 553.     | Adams street and Notre Dame avenue,          | "     |
| 554.     | Granite south back, near Canal,              | "     |
| 555.     | Titus avenue, Highland school,               | pole. |
| 556.     | Mystic avenue and Union street,              | "     |
| 557.     | Pine and Silver,                             | arm.  |
| 558.     | Cypress and East Spruce,                     | "     |
| 559.     | Kelley and Hevey,                            | "     |
| 560.     | J. Hall road and Portsmouth railroad,        | "     |
| 561.     | Pleasant and Franklin west back,             | "     |
| 562.     | Elm west back, between Kidder and Hollis,    | "     |
| 563.     | Milford and Donald,                          | "     |
| 564.     | Taylor and Dix,                              | "     |
| 565.     | Candia road and Woodbine avenue,             | "     |
| 566.     | Harvard and Wilson,                          | "     |
| 567.     | Brooklyn avenue, between Jewett and Cypress, | pole. |
| 568.     | Wayne and Thornton,                          | arm.  |
| 569.     | Coolidge avenue and North Bremer street,     | "     |
| 570.     | East Spruce and Kenney,                      | "     |
| 571.     | Park avenue and Crown street,                | "     |
| 572.     | Goffstown road and Taggart street,           | "     |
| 573.     | South Beech, near Gold street,               | "     |
| 574.     | Prospect and Russell,                        | "     |
| 575.     | Myrtle and Linden,                           | "     |
| 576.     | Cilley road and Taylor street,               | "     |
| 577.     | Auburn and Hall,                             | "     |
| 578.     | Amherst and Hubbard,                         | "     |
| 579.     | Putnam, west of Rimmon,                      | pole. |
| 580.     | Lake avenue and Mammoth road,                | arm.  |
| 581.     | Salmon and Walnut,                           | "     |
| 582.     | Middle and Franklin,                         | "     |
| 583.     | Myrtle and Belmont,                          | "     |
| 584.     | Opposite No. 85 Omega,                       | "     |
| 585.     | Hayward and Union,                           | "     |
| 586.     | Massabesic and Jewett,                       | "     |

|  |       |
|--|-------|
| 587. Harvard and Hall,                           | arm.  |
| 588. East High and Belmont,                      | "     |
| 589. Sagamore and Oak,                           | "     |
| 590. Amherst and Alfred,                         | "     |
| 591. Willow road and Maple street,               | "     |
| 592. Dunbarton road, at No. 158                  | "     |
| 593. Jewett street and Cilley road,              | "     |
| 594. Arah street, at lot No. 38,                 | "     |
| 595. Smith road and Webster street,              | "     |
| 596. Front street, north Eddy,                   | "     |
| 597. Brock and Mast,                             | "     |
| 598. Nicolet lane (W. Manchester),               | "     |
| 599. Amory and Cartier,                          | "     |
| 600. Conant and Cartier,                         | "     |
| 601. Central and Canal,                          | pole. |
| 602. Maple and Hayward,                          | arm.  |
| 603. South Elm street, opposite Catholic church, | "     |
| 604. Union street, opposite No. 1038,            | "     |
| 605. Hanover and J. Hall road,                   | "     |
| 606. Kelley and Boutwell,                        | "     |
| 607. West end McGregor bridge,                   | "     |
| 608. Prospect and Maple,                         | "     |
| 609. Somerville and Wilson,                      | "     |

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### Tungsten Lights in Service, February 24, 1911.

Douglas and Douglas north back.  
 Douglas and Dover.  
 Douglas and Quincy.  
 Granite and Quincy.  
 Granite and Dover.  
 Parker, near West.  
 Wheelock, south of West Hancock.  
 Dartmouth and Frederick.  
 Second street, south of Cleveland.  
 Cleveland and Hiram.  
 Alley off School street.  
 Turner, at Turner hall.  
 Douglas and Turner.  
 Bowman and Marlboro.  
 Mast, at 272.  
 Carroll, at 66.  
 George, at 51.



Williams, at 76.  
Milford and Williams.  
Main and Frederick.  
Milford and Bowman.  
A and B.  
Boynton and C.  
Boynton and Allen.  
Kidder court.  
Franklin and Auburn.  
Valley, near Willow.  
Merrill and Willow.  
Hancock and Hamilton.  
Hancock, near brewery.  
Brown avenue and Byron.  
Brown avenue and Shasta.  
Calef road, at 214.  
Calef road and Hillcrest avenue.  
Calef road and Edgemere.  
Calef road and Mitchell.  
Calef road and Titus avenue.  
Pine Grove cemetery.  
Calef road and Brown avenue.  
Brown avenue, at 1744.  
Brown avenue, at 2626.  
Railroad street, Goffe's Falls.  
Goffe's Falls depot.  
Brown avenue and Railroad street.  
Brown avenue, at 2743.  
Brown avenue, at 2849.  
Brown avenue, at 2869.  
Brown avenue, at 2915.  
Brown avenue, at 2956.  
Brown avenue and Mill avenue.  
Mill avenue.  
Mill avenue, at Caldwell.  
Brown avenue and Devonshire mills.  
Londonderry road, off Brown avenue.  
Brown avenue, opposite Londonderry road.  
Brown avenue, at 3100.  
South and Goffe's Falls school.  
Shasta and Maple.  
Willow road and Weston.  
Willow road, at Harvey's.  
Willow road, at Heureux's.  
Willow road, at Marshall's.  
Willow road and Merrill.

Willow road and Harvey.  
Willow road and Mill road.  
Willow road and Woodland avenue.  
Willow road, at Dickey's.  
Spring street.  
Cedar and Wilson east back street.  
Valley and Lincoln.  
Hayward and Lincoln.  
Wilson, near Hayward.  
Harvard and Maple.  
Valley and Maple.  
Somerville and Lincoln.  
Wilson and Clay.  
Belmont and Hayward.  
Market, at 35.  
Barry avenue and Spruce south back.  
Chase avenue and Hayes avenue.  
Massabesic and Taylor.  
Grove, near Taylor.  
Taylor, near Portsmouth railroad.  
Taylor, at 181.  
Springview and Somerville.  
Young, near Cypress.  
Valley, at 869.  
Foster avenue, at 20.  
Jewett and Young.  
Jewett, opposite 223.  
Jewett and Merrill.  
Prout avenue, at 91.  
Oakland avenue and Mammoth road.  
Knowlton and Hayward.  
Mammoth road and Cilley road.  
Mammoth road and Island Pond road.  
Southeast corner reservoir.  
Mammoth road and Cohas.  
Mammoth road, at Lovering's.  
Mammoth road and Mooreville road.  
Mammoth road and Derry road.  
Derry road and Dickey road.  
Derry road and Cross road.  
Derry road, at L. Paige's.  
Derry road and Corning road.  
Corning road, at N. Paige's.  
Revere street and Longwood avenue.  
Oakland avenue and Woodbine avenue.  
Oakland avenue and Woodland avenue.

- Candia road, at 202.
- Candia road and Woodland avenue.
- Candia road, at 331.
- Candia road and Cody.
- Candia road and Platts avenue.
- Candia road, at Paige street.
- Glenwood avenue and Lovering street.
- Candia road, at 725.
- Candia road, at Annis place.
- Candia road, at 937.
- Candia road, at 991.
- Candia road, at 1035.
- Candia road and Proctor road.
- Proctor road.
- Lake Shore road, at Miss Proctor's.
- Lake Shore road and Proctor road.
- Lake Shore road, at J. H. Paige's.
- Lake Shore road, at pumping station.
- Lake Shore road, at W. M. Moulton's.
- Lake Shore road, at F. Gagick's.
- Lake Shore road, at W. S. Paige's.
- Lake shore road, at Portsmouth railroad.
- Hanover street, at 1150.
- Hanover street and Proctor road.
- Hanover street, at 1268.
- Hanover and Broadway avenue.
- Broadway avenue, at Ed. Ivers's.
- Broadway avenue and Sherburne street.
- Smith's corner.
- Sherburne street and Candia road.
- Candia road, at J. H. Cram's.
- Candia road, at Levi Proctor's.
- Candia road, at C. E. Crombie's.
- Candia road and Lake Shore road.
- Candia road, at G. D. Sanborn's.
- Candia road, at Frank Fox's.
- Candia road and Turnpike road.
- Turnpike road, No. 1.
- Turnpike road, No. 2.
- Turnpike road, No. 3.
- Turnpike road and Bald Hill road.
- Canal and Brook.
- Private way, off Hollis street.
- Mechanic street.
- Stark and Elm west back.

Pleasant street, west light.  
Pleasant street, east light.  
State and Grove.  
Central south back and Elm east back.  
Barry avenue and Spruce north back.  
Monadnock and Nutfield lanes.  
Nelson and Jones.  
Benton and Jones.  
Benton and Mammoth road.  
Auburn and J. Hall road.  
Hanover and Gertrude.  
Franklyn Willey place.  
Bridge and Elm east back.  
Derryfield and Nutfield lanes.  
Londonderry and Nutfield lanes.  
Laurel, at 427.  
Central and Belmont.  
Manchester and Belmont.  
Manchester, at 387.  
Merrimack, at 391.  
Merrimack, at 328.  
Merrimack, at 278.  
Merrimack, at 228.  
Manchester at 307.  
Hanover, at 394.  
Chester, at 16.  
Amherst, at 437.  
Amherst and Belmont.  
Amherst and Beacon.  
Hanover, at 304.  
Concord and Beacon.  
Concord and Belmont.  
Lowell and Beacon.  
Lowell and South.  
Maple and East High.  
Bridge and Beacon.  
Bridge and Buzzell.  
Arlington and Morrison.  
Arlington and Maple.  
Pearl and Maple.  
Ash street, at 78.  
Beech, at 593.  
Walnut, at 86.  
Orange and Walnut.  
Orange and Clarke avenue.  
Orange and Chestnut.

Pearl and Ashland.  
Rear Pearl-street school.  
Orange and Beech.  
Albert and Harrison.  
Prospect and Walnut.  
Sagamore and Union.  
Chestnut and Blodget.  
Webster and Liberty.  
Appleton and Ray.  
Webster and Union.  
Elm, near Rowell.  
Trenton and Ray.  
Bay, at 299.  
Webster and Bay.  
Chestnut, at 764.  
Chestnut, at 916.  
Chestnut, at 944.  
Chestnut and Clarke.  
Salmon, west of Elm.  
Bay, near North.  
Appleton, east of Elm.  
Waldo & Everett.  
Thayer and River road.  
Monroe, west of Elm.  
Appleton, west of Elm.  
Total number, 225.





REPORT

OF THE

BOARD OF WATER COMMISSIONERS

## BOARD OF WATER COMMISSIONERS, 1910.

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EUGENE E. REED, *Mayor, ex officio.*

CHARLES H. MANNING, *President*, term expires January, 1913.

PERRY H. DOW, term expires January, 1915.

EDGAR J. KNOWLTON, term expires January, 1916.

CHARLES M. FLOYD, term expires January, 1914.

WILLIAM COREY, term expires January, 1917.

ROBERT E. MCKEAN, term expires January, 1912.

ARTHUR E. STEARNS, *Clerk.*

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## OFFICERS.

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CHARLES H. MANNING, *President.*

CHARLES K. WALKER, *Superintendent.*

ARTHUR E. STEARNS, *Registrar.*

JEROME J. LOVERING, *Engineer at Low Service Pumping Station.*

CHARLES A. WHITNEY, *Engineer at High Service Pumping Station.*

# REPORT OF THE BOARD OF WATER COMMISSIONERS.

*To the Honorable City Councils of the City of Manchester, N. H.:*

GENTLEMEN:—The Manchester Water Commissioners herewith present their thirty-ninth annual report for the year ending December 31, 1910, with the detailed report of the superintendent and registrar during the period.

## FINANCIAL CONDITION.

Receipts and expenditures for the year have been as follows:

|  |              |              |
|--|--------------|--------------|
| Received from water rents, etc.....  | \$137,875.80 |              |
| Received from hydrant rentals .....  | 22,025.00    |              |
|  |              | \$159,900.80 |
| Total receipts for 1910.....   |              | \$159,900.80 |
| Amount paid for current expenses .....   | \$41,372.43  |              |
| Amount paid for construction expenses ....   | 43,524.35    |              |
| Amount paid for interest on water bonds...   | 29,500.00    |              |
| Hydrant rentals set aside for sinking fund..   | 22,025.00    |              |
| Set aside for sinking fund for payment of<br>water bonds, state law, 1897 bonds..... | 5,000.00     |              |
|  |              | 141,421.78   |
| Receipts over expenditures.....  |              | \$18,479.02  |
| Amount on hand December 31, 1909.....  |              | 63,385.92    |
|  |              | \$81,864.94  |
| Amount on hand December 31, 1910.....  |              | \$81,864.94  |

Respectfully submitted,

EUGENE E. REED, *ex officio*,  
 CHARLES H. MANNING, *President*,  
 CHARLES M. FLOYD,  
 EDGAR J. KNOWLTON,  
 WILLIAM COREY,  
 PERRY H. DOW,  
 ROBERT E. MCKEAN,

*Water Board.*

## SUPERINTENDENT'S REPORT.

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*To the Water Commissioners of the City of Manchester:*

GENTLEMEN:—In writing this report we might take the report of last year, which is nearly the same as regards the water at the lake.

We are pumping by steam just the same as last year.

The water has been thirty-five and one fourth inches below the dam at the lowest point this year and was thirty-six inches below last year.

We have had two larger boilers put in, either one of which will do the pumping and save some coal.

We have had low water for three years and while we have not been as badly off as some New England cities it has caused some anxiety for fear of having to curtail some uses of water where it could be spared.

We have bought a piece of land and a small cottage below Deer Neck bridge, and from Joseph Quinn we bought a tract of land that had just been cut over, south of Candia road to Kimball Point.

We have sold all the buildings which we had any claim on that have been bought for the last ten years.

We had a slight accident at the high service station: a valve chamber got cracked, but was repaired so that we have used it every day since.

We sent for another one which is out at the station ready to put in when we have liberty to stop the pumping for one day or more.

### DISTRIBUTION PIPE.

We have laid four and three fourths miles of distribution pipe on fifty-two different streets, from twenty feet to thirty-seven hundred feet, sizes ranging from four to twelve inches. Expenses about \$30,000.

We laid over some four-inches to ten-inches pipe on Calef road, sixteen hundred and nineteen feet.

This makes the pipe from Mitchell street to Goffe's Falls all ten-inches.

There was a connection made from the corner of Candia road and Mammoth road of twelve-inches that supplies the twelve-inches pipe on Somerville street, and west to Lincoln, making this section on the high service.

Three thousand seven hundred and eighty-six feet of eight-inches pipe were laid in Bedford on the River road, from Second street to Bowman's Brook.

## PENSTOCK.

We repaired a leak on the penstock but did not fully stop it.

It was in the first joint as it pitches down the hill to the pumping station. It has not leaked much this summer and may last for five or six years without troubling us, but in the end will have to be replaced with a steel one.

Few repairs have been made at the station. A fire ladder was put on to the north barn.

The pumps here have worked well when we have had water, but when we have been short have not shown such good results.

Eels have stopped the wheels in two cases, but this cannot be helped. We have been troubled more or less for thirty-six years.

The dam and canal have needed no repairs.

There have been set eighteen new hydrants. Last winter we had good luck about their freezing, but this summer the street department has made a practice of leaving the caps off and gravel has been thrown in by the boys, cutting the valves so that they leaked and had to be taken out and new ones put in.

Hydrants are delicate pieces of machinery and great care should be taken in operating them.

The force and supply mains are about the same.

We get more leaks on the Mammoth road when we pump with the old Worthington pump than we do with the Snow pump.

Both reservoirs are in good condition; slight repairs were made on the new one.

The windows at the gatehouse have been shot at; that has become chronic, but we do not see any way to stop it unless we keep a watchman there all the time. Repairing the glass is the cheaper way.

The high service for Amoskeag and McGregorville have been looked over and roughly estimated and will be built next summer if nothing serious prevents. The expense will be from fifteen to twenty thousand dollars.

PUMPING RECORD, LOW SERVICE STATION, 1910.

| MONTHS.   | Time, Davidson | Time, Wood. | No. of strokes, Davidson. | No. of strokes, Wood. | Average strokes per minute, Davidson. | Average strokes per minute, Wood. | No. of gallons pumped by Davidson. | No. of gallons pumped by Wood. | Total gallons pumped. | Daily average. |
|-----------|----------------|-------------|---------------------------|-----------------------|---------------------------------------|-----------------------------------|------------------------------------|--------------------------------|-----------------------|----------------|
| January   | 43 25          | .....       | 50,360                    | .....                 | 16.13                                 | .....                             | 7,651,720                          | .....                          | 7,651,920             | 246,836        |
| February  | 282 40         | .....       | 295,728                   | 5                     | 17.51                                 | 5.0                               | 44,849,556                         | 731,148                        | 45,580,504            | 1,627,870      |
| March     | 431 15         | 6 15        | 502,754                   | 7,497                 | 18.99                                 | 20.40                             | 76,371,128                         | 989,604                        | 77,360,732            | 2,495,507      |
| April     | 371 45         | 54 40       | 432,757                   | 62,908                | 19.39                                 | .....                             | 65,781,064                         | 8,283,856                      | 74,064,920            | 2,468,307      |
| May       | 376 15         | 70 00       | 443,613                   | 84,291                | 19.70                                 | 19.70                             | 67,539,176                         | 11,307,412                     | 78,846,588            | 2,543,438      |
| June      | 458 55         | .....       | 512,602                   | .....                 | 19.70                                 | .....                             | 82,492,464                         | .....                          | 82,492,464            | 2,753,415      |
| July      | 568 10         | .....       | 657,445                   | .....                 | 18.85                                 | .....                             | 99,894,640                         | .....                          | 99,894,640            | 3,222,308      |
| August    | 569 50         | .....       | 618,948                   | .....                 | 18.17                                 | .....                             | 94,094,806                         | .....                          | 94,094,806            | 3,034,003      |
| September | 563 45         | .....       | 554,893                   | .....                 | 16.73                                 | .....                             | 84,334,716                         | .....                          | 84,334,716            | 2,811,155      |
| October   | 373 45         | .....       | 337,950                   | .....                 | 15.10                                 | .....                             | 51,351,430                         | .....                          | 51,351,430            | 1,666,498      |
| November  | 172 30         | 7 15        | 151,724                   | 7,164                 | 14.79                                 | .....                             | 23,963,984                         | 915,648                        | 24,909,632            | 830,321        |
| December  | 2 30           | .....       | 3,161                     | .....                 | 14.34                                 | .....                             | 3,343,000                          | 334,300                        | 334,300               | 10,784         |
| Totals    | 4,215 45       | 137 70      | 4,591,945                 | 161,865               | 17.44                                 | .....                             | 701,627,774                        | 22,591,908                     | 720,876,742           | .....          |



PUMPING RECORD, HIGH SERVICE SNOW ENGINE, 1910.

| MONTHS.        | TOTAL PUMPING TIME PER MONTH. |      | No. days pump-ing. | Total number of strokes. | Average strokes per min. | COAL IN POUNDS.            |           |                     |             | No. of gallons pumped. | Gallons pump'd per pound of coal. | No. days pump'd into Low Ser-vice. | Hours.   |
|----------------|-------------------------------|------|--------------------|--------------------------|--------------------------|----------------------------|-----------|---------------------|-------------|------------------------|-----------------------------------|------------------------------------|----------|
|                | Hours.                        | Min. |                    |                          |                          | Raising steam and banking. | Pump-ing. | Ashes and clinkers. | Total coal. |                        |                                   |                                    |          |
|                |                               |      |                    |                          |                          |                            |           |                     |             |                        |                                   |                                    |          |
| January.....   | 376                           | 10   | 31                 | 816,446                  | 35.0                     | 28,540                     | 160,758   | 18,914              | 189,298     | 97,157,074             | 604                               | 31                                 | 334.0    |
| February.....  | 210                           | 55   | 26                 | 424,904                  | 33.5                     | 25,336                     | 88,036    | 10,919              | 109,272     | 50,503,576             | 602                               | 28                                 | 182.0    |
| March.....     | 95                            | 25   | 17                 | 184,983                  | 32.0                     | 18,669                     | 30,752    | 3,225               | 35,421      | 22,012,377             | 602                               | 2                                  | 12.15    |
| April.....     | 100                           | 05   | 18                 | 193,140                  | 32.0                     | 17,580                     | 37,718    | 5,304               | 53,108      | 22,983,660             | 610                               | 2                                  | 12.15    |
| May.....       | 100                           | 10   | 19                 | 193,482                  | 32.0                     | 18,062                     | 37,268    | 5,223               | 53,330      | 23,024,358             | 619                               | 2                                  | 12.15    |
| June.....      | 107                           | 15   | 22                 | 207,123                  | 32.0                     | 20,200                     | 39,858    | 5,998               | 40,068      | 24,647,687             | 622                               | 2                                  | 12.15    |
| July.....      | 133                           | 50   | 31                 | 259,695                  | 32.4                     | 27,118                     | 47,562    | 7,451               | 74,670      | 30,903,705             | 653                               | 2                                  | 12.15    |
| August.....    | 117                           | 05   | 31                 | 231,578                  | 33.0                     | 24,558                     | 41,256    | 6,573               | 65,814      | 27,537,782             | 669                               | 2                                  | 12.15    |
| September..... | 99                            | 35   | 29                 | 192,764                  | 32.3                     | 21,011                     | 33,596    | 5,450               | 54,607      | 22,938,678             | 683                               | 2                                  | 12.15    |
| October.....   | 247                           | 20   | 30                 | 497,304                  | 33.5                     | 23,554                     | 91,577    | 11,501              | 115,131     | 59,179,176             | 653                               | 27                                 | 180.0    |
| November.....  | 312                           | 55   | 31                 | 643,183                  | 34.2                     | 23,312                     | 119,574   | 14,279              | 142,886     | 76,538,777             | 641                               | 30                                 | 275.55   |
| December.....  | 437                           | 10   | 31                 | 905,168                  | 34.5                     | 24,288                     | 176,004   | 20,018              | 200,292     | 107,714,992            | 612                               | 31                                 | 402.35   |
|                | 2,337                         | 55   | 318                | 4,749,768                | .....                    | 272,038                    | 905,849   | 117,658             | 1,177,887   | 565,222,392            | .....                             | 149                                | 1,395.45 |

525.7 tons of coal were used in pumping; 423 gallons of oil; 460 pounds of waste.

## RAINFALL AT HIGH SERVICE STATION, 1910.

| DAY OF MONTH. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|---------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|
| 1             |          |           | .31    | .05    |      |       |       |         | .37        |          |           |           |
| 2             |          |           | .16    |        | .04  | .05   |       |         |            |          |           | * .03     |
| 3             | * .07    | * .11     |        |        |      |       |       |         | .26        |          | .60       |           |
| 4             |          | * .71     |        |        | .27  |       |       | .88     | .75        |          | .14       |           |
| 5             | * .42    |           |        |        | .16  |       |       | .48     | .08        |          | .35       |           |
| 6             | .26      |           |        |        |      | .81   |       |         | .77        |          |           |           |
| 7             | .79      |           | .52    |        |      | .73   | 1.20  |         | .08        | .27      |           |           |
| 8             |          |           |        | .07    |      |       |       |         |            |          |           |           |
| 9             |          |           |        |        | .19  |       |       |         | .10        | .02      |           |           |
| 10            |          | * .38     |        | .02    |      | .36   |       |         |            | .02      | .50       |           |
| 11            |          |           |        |        |      | .60   |       | .57     |            |          |           |           |
| 12            |          | * .89     |        |        |      | .24   |       |         |            |          |           |           |
| 13            |          |           |        |        |      |       |       |         |            |          |           |           |
| 14            |          |           | * .08  |        |      |       |       |         | .30        |          |           |           |
| 15            | * .50    |           |        |        |      |       | .22   |         |            | * .04    |           |           |
| 16            |          |           |        |        |      |       |       |         |            |          |           |           |
| 17            |          | * .41     |        |        |      | .57   |       |         |            |          |           |           |
| 18            | * .21    | * .93     |        | .13    | .45  | .09   |       |         |            |          |           |           |
| 19            |          |           |        | .62    |      |       |       | .43     |            |          |           | .26       |
| 20            |          |           |        |        |      |       |       |         | .03        |          |           |           |
| 21            | .06      | .44       | .01    |        | .26  |       |       |         |            |          |           | .43       |
| 22            | .65      | * .38     |        | .48    |      |       | .14   |         |            | .04      | * .15     |           |
| 23            |          |           |        | .05    |      |       |       |         |            | .35      |           |           |
| 24            |          |           |        |        | .02  | .09   | .78   |         |            |          |           | 1.16      |
| 25            |          |           |        |        | .12  | .06   | .02   |         | .31        |          |           |           |
| 26            | * .06    |           |        | .65    |      |       |       |         | .06        | .28      |           |           |
| 27            | * .08    |           |        | .71    |      |       |       |         |            | .02      |           |           |
| 28            |          | .17       |        |        | .02  | .18   | .52   |         | .03        | .08      |           |           |
| 29            | * .71    |           |        |        |      |       |       |         |            |          | .47       | * .15     |
| 30            |          |           |        | .15    | .01  |       | .09   |         |            |          | .31       | * .08     |
| 31            | * .14    |           |        |        | .24  |       |       |         |            |          |           |           |
|               | 3.95     | 4.42      | 1.08   | 2.93   | 1.78 | 3.78  | 2.77  | 2.36    | 3.14       | 1.12     | 2.52      | 2.11      |

1895. Total rainfall, 42.06 inches.

1896. Total rainfall, 38.41 inches.

1897. Total rainfall, 49.76 inches.

1898. Total rainfall, 47.15 inches.

1899. Total rainfall, 36.27 inches.

1900. Total rainfall, 47.89 inches.

1901. Total rainfall, 47.47 inches.

1902. Total rainfall, 47.58 inches.

1903. Total rainfall, 40.39 inches.

1904. Total rainfall, 34.54 inches.

1905. Total rainfall, 39.13 inches.

1906. Total rainfall, 41.85 inches.

1907. Total rainfall, 42.54 inches.

1908. Total rainfall, 33.88 inches.

1909. Total rainfall, 36.54 inches.

1910. Total rainfall, 31.96 inches.

\* Snow.

## Income from the Sale of Water, 1910.

|  |             |              |
|--|-------------|--------------|
| Received for water by rate.....              | \$19,435.90 |              |
| for water by meter.....                      | 116,166.00  |              |
| for water, building purposes.....            | 322.60      |              |
| from fines .....                             | 398.60      |              |
|  | <hr/>       | \$136,323.10 |
| Received for pipe, etc.....                  | \$106.00    |              |
| American Locomotive Co., old iron            | 38.28       |              |
| F. D. Leighton, 6-inch pipe and off-         |             |              |
| set .....                                    | 23.75       |              |
| J. H. Stevens, Varick building....           | 53.25       |              |
| Leighton Machine Co.....                     | 292.92      |              |
|  | <hr/>       | 514.20       |
| Received from F. Brown, lease.....           | \$1.00      |              |
| from G. G. Griffin, lease.....               | 1.00        |              |
| from H. A. Boone, rent of land....           | 10.00       |              |
| from H. A. Salls, rent of land....           | 10.00       |              |
| from Burke Bros., rent of land....           | 300.00      |              |
| from W. M. Moulton, rent.....                | 72.00       |              |
| from C. M. Nutting, rent of land..           | 12.00       |              |
| from George Blackman, for grass,             | 12.00       |              |
|  | <hr/>       | 418.00       |
| Received from Maxwell & Ray, Rau house..     | \$60.00     |              |
| from Joseph Quirin, Sarsfield....            | 285.00      |              |
| from Louis Gelinas, icehouse (Le-            |             |              |
| vasseur) .....                               | 55.00       |              |
| from James H. Hall, stable and               |             |              |
| carriage (Levasseur) .....                   | 32.00       |              |
| from T. L. Shine, two houses (Le-            |             |              |
| vasseur) .....                               | 147.50      |              |
| from J. O. Turcotte (Shamrock)...            | 41.00       |              |
|  | <hr/>       | 620.50       |
|  |             | \$137,875.80 |
| Hydrant rentals .....                        |             | 22,025.00    |
|  |             | <hr/>        |
| Total .....                                  |             | \$159,900.80 |
| Amount paid for current expenses.....        | \$41,372.43 |              |
| Amount paid for construction expenses....    | 43,524.35   |              |
| Amount paid for interest on bonds.....       | 29,500.00   |              |
| Hydrant rental set aside for sinking fund..  | 22,025.00   |              |
| State law (1897 bonds) set aside for sinking |             |              |
| fund .....                                   | 5,000.00    |              |
|  | <hr/>       | \$141,421.78 |
| Receipts over expenditures .....             |             | \$18,479.02  |
| Amount on hand December 31, 1909.....        |             | 63,385.92    |
|  |             | <hr/>        |
| Amount on hand December 31, 1910.....        |             | \$81,864.94  |

## CLASSIFICATION OF ACCOUNTS, 1910.

|  |             |              |
|--|-------------|--------------|
| Superintendence, repairs, etc.....           | \$18,817.36 |              |
| Stationery and printing.....                 | 201.89      |              |
| Office and incidental expenses.....          | 2,063.77    |              |
| Pumping expenses (low service).....          | 4,159.45    |              |
| Pumping expenses (high service).....         | 13,750.93   |              |
| Repairs to buildings.....                    | 1,531.39    |              |
| Repairs to canal, reservoir, etc.....        | 847.64      |              |
|  | <hr/>       |              |
| Total current expenses.....                  |             | \$41,372.43  |
| Service pipes .....                          | \$3,529.03  |              |
| Distribution pipes .....                     | 30,490.17   |              |
| Fire hydrants and valves.....                | 1,818.19    |              |
| Meters .....                                 | 2,061.96    |              |
| Land and water rights.....                   | 5,625.00    |              |
|  | <hr/>       |              |
| Total construction expenses.....             |             | 43,524.35    |
| Sinking fund for water bonds, issue 1897.... | \$5,000.00  |              |
| Sinking fund for fire hydrants.....          | 22,025.00   |              |
|  | <hr/>       |              |
|  |             | 27,025.00    |
|  |             | <hr/>        |
|  |             | \$111,921.78 |

*Total Construction Expenses.*

|                                      |              |                |
|--------------------------------------|--------------|----------------|
| Land and water rights.....           | \$422,806.28 |                |
| Dam, canal, penstock, etc.....       | 101,399.16   |                |
| Pumping machinery and buildings..... | 246,508.69   |                |
| Distribution reservoirs .....        | 117,697.90   |                |
| Force and supply main.....           | 89,769.02    |                |
| Distribution pipes .....             | 754,471.54   |                |
| Fire hydrants and valves.....        | 73,372.69    |                |
| Meters and fixtures.....             | 76,302.34    |                |
| Service pipes .....                  | 101,880.09   |                |
| Grading and fencing.....             | 17,470.39    |                |
| Tools and fixtures .....             | 10,649.35    |                |
| Boarding and storehouses.....        | 919.36       |                |
| Roads and culverts.....              | 4,405.20     |                |
| Supplies .....                       | 550.39       |                |
| Engineering .....                    | 22,176.19    |                |
| Livery and traveling expenses.....   | 2,856.64     |                |
| Legal expenses .....                 | 563.79       |                |
|                                      | <hr/>        |                |
|                                      |              | \$2,043,799.02 |

*Total Current Expenses.*

|                                  |              |
|----------------------------------|--------------|
| Superintendence and repairs..... | \$551,248.30 |
| Stationery and printing.....     | 9,672.55     |

|  |                |                |
|--|----------------|----------------|
| Office and incidental expenses.....  | \$48,637.81    |                |
| Pumping expenses (low service).....  | 89,341.74      |                |
| Pumping expenses (high service).....   | 91,095.40      |                |
| Repair to buildings.....   | 13,487.49      |                |
| Repairs to dam, canal and reservoir.....   | 19,335.42      |                |
|  |                | <hr/>          |
|  |                | \$822,818.71   |
| Interest .....   | \$40,678.51    |                |
| Highway expenses .....   | 14,000.53      |                |
|  |                | <hr/>          |
|  |                | 54,679.04      |
|  |                | <hr/>          |
|  |                | \$2,921,296.77 |
| Interest, discount and labor performed on<br>highway transferred, and tool and materi-<br>als sold ..... | \$94,307.83    |                |
| Current expenditures to December 31, 1910..  | 822,818.71     |                |
|  |                | <hr/>          |
|  |                | 917,126.54     |
|  |                | <hr/>          |
| Total cost exclusive of interest and current expenses  |                | \$2,004,170.23 |
| Interest and discount to December 31, 1910..   | \$1,302,499.51 |                |
| Interest for 1910 .....  | 29,500.00      |                |
|  |                | <hr/>          |
|  |                | \$1,331,999.51 |

## AMOUNT OF WATER BONDS ISSUED TO DECEMBER 31, 1910.

|  |              |
|--|--------------|
| Issued January 1, 1892, rate 4%, due January 1, 1912.....  | \$100,000.00 |
| August 1, 1893, rate 5%, due August 1, 1913.....           | 100,000.00   |
| November 1, 1893, rate 4½%, due November 1,<br>1913 .....  | 100,000.00   |
| October 1, 1894, rate 4%, due October 1, 1914.....         | 50,000.00    |
| July 1, 1895, rate 4%, due July 1, 1915.....               | 100,000.00   |
| December 16, 1895, rate 4%, due December 16,<br>1915 ..... | 50,000.00    |
| January 1, 1897, rate 4%, due January 1, 1917.....         | 100,000.00   |
|  | <hr/>        |
|  | \$600,000.00 |

## SINKING FUND.

|            |             |
|------------|-------------|
| 1893 ..... | \$12,750.00 |
| 1894 ..... | 13,925.00   |
| 1895 ..... | 15,800.00   |
| 1896 ..... | 16,800.00   |
| 1897 ..... | 17,175.00   |
| 1898 ..... | 17,675.00   |
| 1898 ..... | 5,000.00    |
| 1899 ..... | 5,000.00    |
| 1899 ..... | 18,100.00   |
| 1900 ..... | 18,425.00   |
| 1900 ..... | 5,000.00    |

|  |              |              |
|--|--------------|--------------|
| 1901 .....                                   |              | \$5,000.00   |
| 1901 .....                                   |              | 18,575.00    |
| 1902 .....                                   |              | 18,800.00    |
| 1902 .....                                   |              | 5,000.00     |
| 1903 .....                                   |              | 5,000.00     |
| 1903 .....                                   |              | 19,200.00    |
| 1904 .....                                   |              | 19,450.00    |
| 1904 .....                                   |              | 5,000.00     |
| 1905 .....                                   |              | 5,000.00     |
| 1905 .....                                   |              | 19,550.00    |
| 1906 .....                                   |              | 5,000.00     |
| 1906 .....                                   |              | 20,075.00    |
| 1907 .....                                   |              | 20,625.00    |
| 1907 .....                                   |              | 5,000.00     |
| 1908 .....                                   |              | 5,000.00     |
| 1908 .....                                   |              | 20,925.00    |
| 1909 .....                                   |              | 21,275.00    |
| 1909 .....                                   |              | 5,000.00     |
| 1910 .....                                   |              | 5,000.00     |
| 1910 .....                                   |              | 22,025.00    |
|  |              | <hr/>        |
|  |              | \$396,150.00 |
| Interest, etc., to December 31, 1909.....    |              | 66,184.91    |
| Interest, etc., for 1910.....                |              | 8,272.29     |
|  |              | <hr/>        |
|  |              | \$470,607.20 |
| Paid for retiring bonds January 1, 1902..... | \$100,000.00 |              |
| Paid for retiring bonds January 1, 1907..... | 100,000.00   |              |
| Paid for retiring bonds July 1, 1910.....    | 100,000.00   |              |
|  |              | <hr/>        |
|  |              | 300,000.00   |
|  |              | <hr/>        |
|  |              | \$170,607.20 |



STATEMENT OF RECEIPTS.

| Year. | Total.     | Hydrant rent. | Water by rate. | Water by meter. | Received for building purposes. | Fines.  | Labor, pipe, and materials sold. | Rentals and buildings sold. | No. of meters. |
|-------|------------|---------------|----------------|-----------------|---------------------------------|---------|----------------------------------|-----------------------------|----------------|
| 1872  | \$573.61   |               |                |                 |                                 |         |                                  |                             |                |
| 1873  | 2,097.60   |               |                |                 |                                 |         |                                  |                             |                |
| 1874  | 32,154.07  | \$22,425.00   | \$1,692.69     | \$190.84        | \$119.10                        | \$14.00 | \$200.67                         |                             | 8              |
| 1875  | 29,223.60  | 13,095.00     | 7,987.27       | 1,436.56        |                                 | 104.13  | 699.85                           |                             | 98             |
| 1876  | 39,028.47  | 16,320.00     | 10,292.13      | 3,348.11        | 122.13                          | 120.59  | 2,245.64                         |                             | 160            |
| 1877  | 43,823.30  | 17,475.00     | 10,004.51      | 6,305.81        | 72.32                           | 180.16  | 249.55                           |                             | 166            |
| 1878  | 48,874.26  | 17,970.00     | 20,265.97      | 10,090.25       | 83.60                           | 232.82  | 241.62                           |                             | 202            |
| 1879  | 53,143.17  | 18,165.00     | 21,610.13      | 12,732.93       | 81.60                           | 240.64  | 303.87                           |                             | 251            |
| 1880  | 57,655.25  | 18,300.00     | 23,795.96      | 14,794.34       | 79.50                           | 210.39  | 465.06                           | \$10.00                     | 280            |
| 1881  | 60,215.62  | 18,780.00     | 25,336.18      | 15,554.98       | 105.60                          | 223.99  | 203.87                           | 11.00                       | 310            |
| 1882  | 67,630.13  | 20,130.00     | 26,803.06      | 19,898.69       | 146.65                          | 197.49  | 443.24                           | 11.00                       | 371            |
| 1883  | 73,458.20  | 20,520.00     | 28,838.24      | 23,431.20       | 314.65                          | 208.04  | 125.07                           | 21.00                       | 404            |
| 1884  | 75,580.08  | 21,350.00     | 31,724.07      | 21,329.75       | 195.10                          | 231.96  | 738.20                           | 11.00                       | 446            |
| 1885  | 80,404.12  | 18,900.00     | 33,597.02      | 27,425.35       | 102.50                          | 186.80  | 181.45                           | 11.00                       | 486            |
| 1886  | 75,129.99  | 19,750.00     | 33,062.11      | 21,573.45       | 287.40                          | 130.80  | 320.23                           | 6.00                        | 613            |
| 1887  | 80,518.17  | 20,437.50     | 33,497.21      | 25,277.09       | 351.70                          | 119.20  | 819.47                           | 16.00                       | 739            |
| 1888  | 85,643.82  | 21,000.00     | 33,864.78      | 29,838.82       | 543.80                          | 149.80  | 243.62                           | 3.00                        | 842            |
| 1889  | 86,700.46  | 18,240.00     | 34,140.99      | 33,596.05       | 361.95                          | 153.20  | 155.27                           | 53.00                       | 951            |
| 1890  | 90,463.37  | 19,880.00     | 32,431.10      | 37,009.80       | 649.90                          | 151.80  | 298.77                           | 42.00                       | 1,135          |
| 1891  | 76,605.23  | 4,590.00      | 30,588.79      | 40,479.25       | 494.80                          | 160.40  | 200.99                           | 91.00                       | 1,313          |
| 1892  | 83,474.79  | 5,000.00      | 31,344.24      | 46,139.35       | 416.00                          | 168.40  | 139.80                           | 267.00                      | 1,608          |
| 1893  | 104,170.08 | 12,750.00     | 32,603.59      | 58,103.20       | 1,033.75                        | 159.60  | 339.38                           | 180.56                      | 1,895          |
| 1894  | 110,210.29 | 13,925.00     | 32,176.28      | 62,501.35       | 697.80                          | 227.40  | 334.82                           | 347.64                      | 2,182          |
| 1895  | 118,374.50 | 15,800.00     | 32,903.99      | 67,465.90       | 808.20                          | 300.40  | 768.17                           | 327.84                      | 2,520          |
| 1896  | 128,907.03 | 16,800.00     | 32,540.03      | 77,610.10       | 638.48                          | 302.80  | 440.12                           | 575.50                      | 2,865          |
| 1897  | 125,749.17 | 17,175.00     | 30,647.17      | 76,148.60       | 331.85                          | 321.80  | 627.08                           | 467.67                      | 3,134          |
| 1898  | 131,184.08 | 17,675.00     | 29,409.58      | 80,643.30       | 187.00                          | 359.80  | 441.90                           | 2,467.50                    | 3,340          |
| 1899  | 133,436.41 | 18,100.00     | 28,063.34      | 85,764.80       | 246.80                          | 363.80  | 400.59                           | 497.08                      | 3,502          |
| 1900  | 138,241.94 | 18,425.00     | 27,868.85      | 91,079.30       | 95.80                           | 397.80  | 232.59                           | 142.60                      | 3,667          |
| 1901  | 138,206.14 | 18,575.00     | 26,954.99      | 91,382.60       | 220.30                          | 437.60  | 410.90                           | 224.75                      | 3,804          |
| 1902  | 134,331.48 | 18,800.00     | 23,785.49      | 90,479.10       | 233.34                          | 434.00  | 358.25                           | 241.25                      | 3,983          |
| 1903  | 128,416.23 | 19,200.00     | 21,539.64      | 85,954.05       | 253.90                          | 407.00  | 137.64                           | 924.00                      | 4,101          |
| 1904  | 133,057.47 | 19,450.00     | 20,486.64      | 88,639.41       | 161.28                          | 369.20  | 808.12                           | 3,142.82                    | 4,220          |
| 1905  | 136,353.07 | 19,550.00     | 20,230.99      | 92,438.70       | 250.66                          | 366.00  | 1,437.09                         | 1,779.63                    | 4,356          |
| 1906  | 139,820.76 | 20,075.00     | 20,154.51      | 94,345.90       | 277.86                          | 354.40  | 368.88                           | 4,244.21                    | 4,525          |
| 1907  | 144,433.45 | 20,625.00     | 19,727.23      | 101,758.05      | 250.20                          | 398.80  | 991.17                           | 683.00                      | 4,668          |
| 1908  | 147,561.52 | 20,925.00     | 19,555.20      | 104,431.90      | 340.26                          | 361.80  | 567.86                           | 1,379.50                    | 4,777          |
| 1909  | 153,761.50 | 21,275.00     | 19,870.47      | 110,520.95      | 260.20                          | 372.00  | 350.68                           | 1,112.20                    | 4,915          |
| 1910  | 159,900.80 | 22,025.00     | 19,435.90      | 116,166.00      | 322.60                          | 398.00  | 514.20                           | 1,038.50                    | 5,127          |

1878, meter rate was changed. 1884, hydrant rates reduced. 1886, meter and other rates reduced. 1889, hydrant rates reduced. 1891 and 1892, received only part of hydrant rent, and nothing from water-troughs or street sprinklers. 1893, hydrant rent and water-closets rate reduced. July 1, 1902, rates reduced. Meter rate reduced October 1, 1904.

The following amounts have been paid over to the city treasurer, and credited to the water-works:

|   |           |
|---|-----------|
| 1872, supplies and materials sold.....                              | \$573.61  |
| 1873, supplies and materials sold.....                              | 177.07    |
| accrued interest on water-bonds sold.....                           | 193.26    |
| accrued interest on state bonds sold.....                           | 146.00    |
| water rents .....   | 1,920.53  |
| 1874, supplies and materials sold.....                              | 607.89    |
| March 12, highway expenditures transferred from water account ..... | 14,000.53 |

|   |             |
|---|-------------|
| March 17, interest and discount transferred from<br>water account .....         | \$12,347.25 |
| 1874, September 1, interest and discount transferred<br>from water account..... | 22,361.74   |
| water and hydrant rent.....   | 30,233.54   |
| December 29, interest transferred.....  | 4,566.25    |
| 1875, water and hydrant rent.....   | 27,119.15   |
| sundry items .....  | 2,104.45    |
| 1876, water and hydrant rent.....   | 38,879.47   |
| sundry items .....  | 149.00      |
| 1877, water and hydrant rent.....   | 43,691.74   |
| sundry items .....  | 131.56      |
| 1878, water and hydrant rent.....   | 48,632.64   |
| sundry items .....  | 241.62      |
| 1879, water and hydrant rent.....   | 52,839.30   |
| sundry items .....  | 303.87      |
| 1880, water and hydrant rent.....   | 57,180.19   |
| sundry items .....  | 475.06      |
| 1881, water and hydrant rent.....   | 60,000.75   |
| sundry items .....  | 214.87      |
| 1882, water and hydrant rent.....   | 67,175.89   |
| sundry items .....  | 454.24      |
| 1883, water and hydrant rent.....   | 73,312.13   |
| sundry items .....  | 146.07      |
| 1884, water and hydrant rent.....   | 74,830.88   |
| sundry items .....  | 749.20      |
| 1885, water and hydrant rent.....   | 80,211.67   |
| sundry items .....  | 192.45      |
| 1886, water and hydrant rent.....   | 74,803.76   |
| sundry items .....  | 326.23      |
| 1887, water and hydrant rent.....   | 79,682.70   |
| sundry items .....  | 835.47      |
| 1888, water and hydrant rent.....   | 85,397.20   |
| sundry items .....  | 246.62      |
| 1889, water and hydrant rent.....   | 86,492.19   |
| sundry items .....  | 208.27      |
| 1890, water and hydrant rent.....   | 90,122.60   |
| sundry items .....  | 340.77      |
| 1891, water and hydrant rent.....   | 76,213.24   |
| sundry items .....  | 291.99      |
| 1892, water and hydrant rent.....   | 83,067.99   |
| sundry items .....  | 406.80      |
| 1893, water rents .....   | 90,900.14   |
| sundry items .....  | 519.94      |

## BOARD OF WATER COMMISSIONERS.

209

|                         |                |
|-------------------------|----------------|
| 1894, water rents ..... | \$95,602.83    |
| sundry items .....      | 682.46         |
| 1895, water rents ..... | 101,478.49     |
| sundry items .....      | 1,096.01       |
| 1896, water rents ..... | 111,091.41     |
| sundry items .....      | 1,015.62       |
| 1897, water rents ..... | 107,449.42     |
| sundry items .....      | 1,094.75       |
| premiums on bonds ..... | 6,248.00       |
| 1898, water rents ..... | 110,599.68     |
| sundry items .....      | 2,909.40       |
| 1899, water rents ..... | 114,438.74     |
| sundry items .....      | 897.67         |
| 1900, water rents ..... | 119,441.75     |
| sundry items .....      | 375.19         |
| 1901, water rents ..... | 118,995.49     |
| sundry items .....      | 635.65         |
| 1902, water rents ..... | 114,931.93     |
| sundry items .....      | 599.55         |
| 1903, water rents ..... | 108,154.59     |
| sundry items .....      | 1,061.64       |
| 1904, water rents ..... | 109,656.53     |
| sundry items .....      | 3,950.94       |
| 1905, water rents ..... | 113,386.35     |
| sundry items .....      | 3,416.72       |
| 1906, water rents ..... | 115,132.67     |
| sundry items .....      | 4,613.09       |
| 1907, water rents ..... | 122,134.28     |
| sundry items .....      | 1,674.17       |
| 1908, water rents ..... | 124,689.16     |
| sundry items .....      | 1,947.36       |
| 1909, water rents ..... | 131,023.62     |
| sundry items .....      | 1,462.88       |
| 1910, water rents ..... | 136,323.10     |
| sundry items .....      | 1,552.70       |
|                         | <hr/>          |
|                         | \$3,375,883.62 |



|                   |       |        |       |       |       |   |    |   |                                   |   |    |                           |
|-------------------|-------|--------|-------|-------|-------|---|----|---|-----------------------------------|---|----|---------------------------|
| Mystic avenue     | 172   |        |       |       |       | 1 |    | 1 | North of Longwood.                |   |    |                           |
| North             |       |        |       | 456   |       |   |    |   | West of Beech.                    |   |    |                           |
| North River road  |       | 357    |       |       |       |   |    | 1 | North of Park avenue.             |   |    |                           |
| Oakland           | 119   |        |       |       |       | 1 |    |   | East of Mammoth.                  |   |    |                           |
| Omeida            | 738   |        |       |       |       | 1 |    |   | West of Mammoth.                  |   |    |                           |
| Platts            | 200   |        |       | 1,220 |       | 2 |    | 1 | East of South Main.               |   |    |                           |
| Porter            | 8     |        |       |       |       | 1 |    |   | To 150 feet south of Candia road. |   |    |                           |
| Putnam            | 520   |        |       |       |       | 2 |    |   | Hayward to Somerville.            |   |    |                           |
| Quincy            | 264   |        |       |       |       | 1 |    |   | Beauport to Dubuque.              |   |    |                           |
| Revere            | 447   |        |       |       |       | 1 |    |   | Douglas to Conant.                |   |    |                           |
| River road (West) |       |        |       |       |       |   |    |   | North of Oakland.                 |   |    |                           |
| Rosedale          | 435   |        |       |       |       | 1 |    | 1 | See Main street, South.           |   |    |                           |
| Second            | 24    |        |       |       |       |   |    |   | East of Calet Road.               |   |    |                           |
| Shasta            | 469   |        |       |       |       | 2 |    |   | Connect with South Main.          |   |    |                           |
| Somerville        | 16    |        |       | 925   |       | 1 |    | 2 | East of No. 455.                  |   |    |                           |
| Taylor            | 7     |        |       |       |       |   |    | 1 | West of Porter.                   |   |    |                           |
| Wellington        | 1,228 |        |       |       |       | 2 |    | 1 | Hydrant corner Somerville.        |   |    |                           |
| Winter            | 67    |        |       |       |       |   |    | 1 | East of Mammoth.                  |   |    |                           |
| Young             | 206   |        |       |       |       |   |    |   | East of Granite.                  |   |    |                           |
| Youville          | 121   |        |       |       |       | 1 |    |   | North of Somerville.              |   |    |                           |
|                   | 177   | 14,968 | 4,158 | 2,462 | 3,278 | 1 | 47 | 2 | 3                                 | 4 | 19 | 25,033 feet.—4.741 miles. |

\* On Calet Road 1 619 feet were taken out, and relaid with 8 and 10 inches pipe.

Hydrant on Vinton corner Cypress was moved to Cypress, corner Vinton.

Pipe was lowered on Boutwell 75 feet; Putnam, 100 feet; Thornton, 175 feet; Second, 520 feet; Gilford, 260 feet.



## LOCATION OF HYDRANTS SET, 1910.

Beauport street, 165 feet south of Wayne.  
 Boutwell street, southwest corner Bremer.  
 Boutwell street, 425 feet north of Bremer.  
 Calef road, 25 feet north of Mystic avenue.  
 Cypress street, southwest corner Vinton.  
 Delaware street, northwest corner Hanover road.  
 Jolliet street, southwest corner Bremer.  
 Laval street, southwest corner Bremer.  
 Laval street, 505 feet north of Bremer.  
 Longwood avenue, northeast corner Mammoth road.  
 South Main street,\* north side Bowman brook.  
 Oakland avenue, northeast corner Mammoth road.  
 Oneida street, northwest corner South Main.  
 Porter street, 569 feet south of Hayward.  
 Rosedale street, northeast corner Calef road.  
 Somerville street, northeast corner Young.  
 Somerville street, northwest corner Porter.  
 Taylor street, northwest corner Somerville.  
 Wellington avenue, 900 feet east of Mammoth road.

## LOCATION OF GATES SET, 1910.

Barr street, north line of Douglas, 6-inch.  
 Beacon street, south line of Lowell, 6-inch.  
 Bell street, east side Second street, 6-inch.  
 Bell street, west side Wentworth, 6-inch.  
 Boutwell street, south line of Bremer, 6-inch.  
 Boutwell street, north line of Kelley, 6-inch.  
 Boutwell street, north line of Amory street, 6-inch.  
 Bremer street, west line of Alsace street, 6-inch.  
 Bremer street, west line of Laval, 6-inch.  
 Calef road, north line of Titus avenue, 10-inch.  
 Calef road, south line of Mitchell street, 10-inch.  
 Calef road, on hydrant branch 25 feet north of Mystic avenue, 6-inch.  
 Cypress street, north line of Vinton, 6-inch.  
 Delaware street, north side of Hanover road, 6-inch.  
 Elmhurst avenue, east line of Calef road, 6-inch.  
 Edgemere avenue, east line of Calef road, 6-inch.  
 Granite street, north side of Winter, 4-inch.  
 Green street, north side of Douglas, 6-inch.  
 Harrington street, west line of Calef road, 6-inch.  
 Hayward street, west line of Mammoth road, 12-inch.

\* Or South River road. Hydrant on Vinton, corner Cypress, taken out.  
 Hydrant on McGregor street, corner Amory street, moved 10 feet south.



- Highland street, south line of Bridge, 6-inch.
- Highland street, north line of Lowell, 6-inch.
- Hillcrest avenue, east of Brown avenue, 6-inch.
- Howe street, east line of Wilson, 6-inch.
- Jolliet street, south line of Bremer, 6-inch.
- Lafayette street, south line of Kelley, 6-inch.
- Lafayette street, north line of Amory, 6-inch.
- Laval street, north line of Kelley, 6-inch.
- Laval street, south line of Bremer, 6-inch.
- Lincoln street, north line of Merrimack, 6-inch.
- Longwood avenue, 41 feet west from east side of Mammoth road, 6-inch.
- Maple street, north line of Concord, 6-inch.
- Main street (south), corner Second street, 10-inch, west line.
- Main street (south), corner west line of Second, 8-inch.
- Main street (south), 62 feet north of Currier House, 8-inch.
- Main street (south), on hydrant branch near Bowman brook, 6-inch.
- Mystic avenue, north line of Longwood avenue, 6-inch.
- North street, west line of Beech, 12-inch.
- Oakland avenue, 40 feet west from east side of Mammoth road, 6-inch.
- Oneida street, west line of South Main, 6-inch.
- Platts avenue, north line of Candia road, 6-inch.
- Platts avenue, south line of Candia road, 6-inch.
- Porter street, south line of Hayward, 12-inch.
- Porter street, on hydrant branch, 6-inch.
- Putnam street, 10 feet west from West line of Beauport, 6-inch.
- Putnam street, east line of Dubuque, 6-inch.
- Quincy street, north side of Douglas street, 6-inch.
- Revere avenue, north side of Oakland avenue, 6-inch.
- Rosedale street, east line of Calef road, 6-inch.
- Shasta street, east line of Lincoln, 6-inch.
- Somerville street, west line of Porter, 12-inch.
- Somerville street, 6-inch gate on hydrant branch, corner Porter.
- Somerville street, 6-inch gate on hydrant branch, corner Young.
- Wellington avenue, east side of Mammoth road, 6-inch.
- Wellington avenue, 13 feet west of hydrant, 6-inch.
- Young street, north line of Somerville, 6-inch.
- Youville street, north line of Kelley, 6-inch.

SERVICE PIPES LAID, 1910.

|                           |              |
|---------------------------|--------------|
| 194 1-inch diameter ..... | 4,966.7 feet |
| 2 4-inch diameter .....   | 59.5 "       |
| 1 6-inch diameter .....   | .....        |
| 197                       | 5,026.2 feet |

## SERVICE PIPES RELAID.

|       |                 |                                   |              |
|-------|-----------------|-----------------------------------|--------------|
| 58    | ¾-inch diameter | 1,390.0 feet to 1-inch diameter.. | 1,364.0 feet |
| 83    | 1-inch diameter | 2,214.5 feet to 1-inch diameter.. | 2,170.1 "    |
| 1     | 1-inch diameter | 21.0 feet to 6-inch diameter..    | .....        |
| 1     | 2-inch diameter | 17.0 feet to 1-inch diameter..    | 17.0 "       |
| <hr/> |                 |                                   |              |
| 143   |                 | 3,642.5 feet                      | 3,551.1 feet |
| 6421  | 1-inch diameter | 67.5 " should be 2-inch diam.     | 67.5 "       |

## SERVICE PIPES LAID TO DATE.

|       |                  |       |                |
|-------|------------------|-------|----------------|
| 10    | ½-inch diameter  | ..... | 207.7 feet     |
| 337   | ¾-inch diameter  | ..... | 8,916.8 "      |
| 6,240 | 1-inch diameter  | ..... | 157,649.3 "    |
| 17    | 1¼-inch diameter | ..... | 748.9 "        |
| 39    | 1½-inch diameter | ..... | 1,058.8 "      |
| 103   | 2-inch diameter  | ..... | 2,670.6 "      |
| 2     | 2½-inch diameter | ..... | 63.0 "         |
| 7     | 3-inch diameter  | ..... | 142.8 "        |
| 20    | 4-inch diameter  | ..... | 438.7 "        |
| 29    | 6-inch diameter  | ..... | .....          |
| <hr/> |                  |       |                |
| 6,804 |                  |       | 171,896.6 feet |

METERS.

The number of meters set during the year has been one hundred and eighty-five (185).

Taken out, three (3).

Total number of meters in use is fifty-one hundred and twenty-seven (5127).

Number applications for water, 1910, was two hundred (200).

Total number of applications to date, sixty-nine hundred and thirty-seven (6937).

### Uses for which Water is Supplied.

## WATER FIXTURES, ETC.

14,667 families, 105 boarding-houses, 19,211 faucets, 8,099 wash-bowls, 7,658 bathtubs, 16,722 water-closets, 1,668 set tubs, 310 urinals, 5,788 silcocks, 2,898 horses, 355 cattle, 899 hydrants, 32 watering troughs, 11 drinking fountains, 74 standpipes, 2 public urinals.

## PUBLIC BUILDINGS.

1 jail, 36 churches, 1 courthouse, 13 hose companies, 7 fire engines, 2 hook-and-ladder, 5 opera houses, 4 convents, 7 hospitals, 7 ceme-

teries. 1 orphanage, 1 postoffice, 1 city library, 6 banks, 10 hotels, 1 Masonic hall, 3 Odd Fellows' halls, 3 halls, Children's Home, Masonic Home, state armory, 38 schoolhouses.

## SHOPS.

58 barber, 11 wheelwright, 16 blacksmith, 10 carpenter, 2 tinsmith, 1 copper, 3 currying, 22 plumber and gas and water pipe, 18 paint, 3 gunsmith.

## STORES.

5 auction, 38 drug, 16 jewelry, 2 fur, 3 house-furnishing goods, 20 fancy goods, 1 wholesale paper, 5 wholesale produce, 21 dry goods, 12 candy, 1 cloak, 16 millinery, 3 tea, 9 furniture, 3 wholesale grocer, 134 grocery, 6 meal, 4 hardware, 34 boot and shoe, 11 stove, 35 gents' furnishing goods, 7 book, 1 leather and shoe finders, 3 music, 6 upholstery, 9 undertaker, 5 sewing-machine, 1 feather-cleaner, 1 rubber, 3 electric, 23 fruit.

## SALOONS.

41 dining, 21 billiard, 75 liquor.

## MISCELLANEOUS.

8 clubrooms, 3 bleacheries, 34 laundries, 4 icehouses, 12 photographers, 1 Mercy Home, 2 old ladies' homes, 1 soldiers' monument, 1 Turner hall, 4 fountains, 2 trust companies, 1 city farm, 3 depots, 9 greenhouses, 2 bandrooms, 33 bakeries, 2 waste, 2 business colleges, 1 battery building, 1 kitchen, 3 wardrooms, 1 gymnasium, 2 police stations, 8 garages, 1 driving park, 1 cement block.

## MANUFACTURING ESTABLISHMENTS. |

3 hosiery mills, 1 silver-plating, 1 iron foundry, 2 dye-houses, 4 machine shops, 6 clothing manufactories, 9 harness shops, 1 cornice works, 1 brush shop, 9 carriage shops, 13 cigar factories, 1 brass and copper foundry, 1 locomotive works, 1 grist-mill, 1 silk mill, 3 granite works, 1 electric light station, 4 sash and blind shops, 1 brewery, 11 shoe shops, 1 gas works, 4 slaughter-houses, 2 needle manufactories, 6 beer-bottling, 3 book-binderies, 6 box-makers, 1 paper-box manufactory, 1 hat manufactory, 1 broom manufactory.

## MARKETS.

5 fish, 14 meat and fish, 5 meat, wholesale.

## STABLES.

8 livery, 1,315 private.

## OFFICES.

30 dentists, 1 telephone, 2 telegraph, 31 coal, 1 gas, 1 electric, 2 express, 16 printing.



















SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.—Continued.

| STREETS.         | Length and size of cement-lined pipe laid. |       | Length and size of cast-iron pipe laid. |        |        |        |       |       | Gates set. |        |        |        |        |       | Air valves. | Hydrants. |       |       |
|------------------|--|-------|---|--------|--------|--------|-------|-------|------------|--------|--------|--------|--------|-------|-------------|-----------|-------|-------|
|                  | 20 in.                                     | 6 in. | 20 in.                                  | 14 in. | 12 in. | 10 in. | 8 in. | 6 in. | 4 in.      | 20 in. | 14 in. | 12 in. | 10 in. | 8 in. |             |           | 6 in. | 4 in. |
|                  |  |       |   |        |        |        |       |       |            |        |        |        |        |       |             |           |       |       |
| Salmon .....     |  |       |   |        |        |        |       | 275   |            |        |        |        |        |       |             |           | 1     |       |
| Shasta .....     |  |       |   |        |        |        |       | 2348  |            |        |        |        |        |       |             | 6         | 4     |       |
| Silver .....     |  |       |   |        |        |        |       | 3543  |            |        |        |        |        |       |             | 5         | 5     |       |
| Semerville ..... |  |       | 5185                                    |        |        |        |       | 1026  |            |        |        |        |        |       |             | 5         | 9     |       |
| South .....      |  |       |   |        |        |        |       | 97    | 476        |        |        |        |        |       |             | 1         | 3     |       |
| Spring .....     |  |       |   |        |        |        |       | 762   |            |        |        |        |        |       |             | 2         | 14    |       |
| Spruce .....     |  |       |   |        |        |        | 650   | 6165  |            |        |        |        |        | 1     |             | 8         | 3     |       |
| Stark .....      |  |       |   |        |        |        |       | 874   |            |        |        |        |        |       |             | 2         | 3     |       |
| State .....      |  |       |   |        |        |        |       | 1029  |            |        |        |        |        |       |             | 4         | 3     |       |
| Stevens .....    |  |       |   |        |        |        |       | 325   |            |        |        |        |        |       |             | 1         | 4     |       |
| Summer .....     |  |       |   |        |        |        |       | 1702  |            |        |        |        |        |       |             | 5         | 5     |       |
| Taylor .....     |  |       |   |        |        |        |       | 4762  |            |        |        |        |        |       |             | 7         | ..... |       |
| Thayer .....     |  |       |   |        |        |        |       | 805   |            |        |        |        |        |       |             | 1         | ..... |       |
| Titus .....      |  |       |   |        |        |        | 1493  | 76    |            |        |        |        |        |       | 2           | 1         | 3     |       |
| Trenton .....    |  |       |   |        |        |        | 1192  | 18    |            |        |        |        |        |       | 2           | .....     | 2     |       |
| Union .....      |  |       |   |        |        |        | 2335  | 675E  | 319        |        |        |        |        |       | 2           | 13        | 7     |       |
| Valley .....     |  |       | 3641                                    | 1923   | 2096   |        |       | 246   |            |        |        |        |        | 1     | 1           | 2         | 11    |       |
| Victoria .....   |  |       |   |        |        |        |       | 256   |            |        |        |        |        |       |             | 1         | ..... |       |







|                         |      |       |       |       |
|-------------------------|------|-------|-------|-------|
| Brook.....              | 242  | 1     | 1     | ..... |
| C .....                 | 637  | 2     | 2     | ..... |
| Carroll.....            | 882  | 1     | 1     | ..... |
| Cartier .....           | 3288 | 4     | 2     | ..... |
| Charlestown avenue..... | 790  | 2     | 1     | ..... |
| Clement.....            | 304  | 1     | 1     | ..... |
| Cleveland .....         | 1482 | 2     | 1     | ..... |
| Clinton .....           | 563  | 2     | 2     | ..... |
| Colby .....             | 253  | 1     | ..... | ..... |
| Columbus.....           | 283  | 1     | ..... | ..... |
| Coolidge avenue .....   | 1176 | 2     | ..... | ..... |
| Conant .....            | 1791 | 2     | 5     | ..... |
| Cumberland.....         | 663  | 1     | 1     | ..... |
| D .....                 | 304  | 1     | ..... | ..... |
| Dartmouth .....         | 769  | 1     | 1     | ..... |
| Davignon.....           | 235  | 1     | ..... | ..... |
| Diekey.....             | 929  | 1     | 2     | ..... |
| Donahue .....           | 451  | 1     | 1     | ..... |
| Donald.....             | 552  | 1     | 2     | ..... |
| Douglas.....            | 2089 | 4     | 7     | ..... |
| Dover.....              | 622  | ..... | 2     | ..... |
| Dubuque.....            | 3076 | 5     | 1     | ..... |
| Dumbarton .....         | 1210 | 1     | 1     | ..... |
| Erie.....               | 435  | 1     | ..... | ..... |









BOARD OF WATER COMMISSIONERS.

|                         |       |       |       |      |       |        |        |       |    |    |    |    |      |     |    |    |     |
|-------------------------|-------|-------|-------|------|-------|--------|--------|-------|----|----|----|----|------|-----|----|----|-----|
| Schiller .....          | 566   |       |       |      |       |        |        |       |    |    |    |    | 1    |     |    |    |     |
| Schuyler .....          | 215   |       |       |      |       |        |        |       |    |    |    |    | 1    |     |    |    |     |
| Sheridan .....          | 758   |       |       |      |       |        |        |       |    |    |    |    | 1    |     |    |    |     |
| Sherman .....           | 429   |       |       |      |       |        |        |       |    |    |    |    | 1    |     |    |    |     |
| Shirley Hill road ..... | 654   |       |       |      |       |        |        |       |    |    |    |    | 3    |     |    |    |     |
| Sullivan .....          | 361   | 399   |       |      |       |        |        |       |    |    |    | 2  | 1    |     |    |    |     |
| Thrd. ....              | 442   | 357   |       |      |       |        |        |       |    |    |    | 2  | 1    |     |    |    |     |
| Thornton .....          | 1776  |       |       |      |       |        |        |       |    |    |    | 2  | 3    |     |    |    |     |
| Tilton .....            | 110   | 387   |       |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| Turner .....            | 12    | 240   |       |      |       |        | 3      |       |    |    |    | 1  | .... |     |    |    |     |
| Varnum .....            | 80    |       | 1217  |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| Walker .....            | 1308  |       |       |      |       |        |        |       |    |    |    | 2  | .... |     |    |    |     |
| Ward .....              | 606   |       |       |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| Warner .....            | 1265  |       |       |      |       |        |        |       |    |    |    | 2  | .... |     |    |    |     |
| Wayne .....             | 923   |       |       |      |       |        |        |       |    |    |    | 2  | .... |     |    |    |     |
| Wentworth .....         | 837   |       |       |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| West .....              | 517   | 536   |       |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| Wilkins .....           | 1850  |       |       |      |       |        |        |       |    |    |    | 2  | .... |     |    |    |     |
| Williams .....          | 250   | 208   |       |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| Wilton .....            | 283   |       |       |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| Winter .....            | 1398  | 20    |       |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| Woodbury .....          | 44    |       |       |      |       |        |        |       |    |    |    | 1  | .... |     |    |    |     |
| Youville .....          | 626   |       |       |      |       |        |        |       |    |    |    | 3  | .... |     |    |    |     |
| Supply main* .....      | 24    |       |       |      |       |        | 4      |       |    |    |    | 2  | .... |     |    |    |     |
| Total .....             | 20367 | 24719 | 16245 | 3300 | 49851 | 105986 | 367304 | 20095 | 19 | 21 | 46 | 56 | 143  | 822 | 63 | 12 | 899 |

Length of force main from low service pumping station to reservoir, 7,130 feet.  
 " " " " " " " " high " " to Oak Hill reservoir, 19,156 feet.  
 " " " " " " " " " " " " to low service reservoir, 16,400 feet.

\* Elm to S. Main, by Cove street.

DISTRIBUTION PIPES AND GATES LAID TO DECEMBER 31, 1910.

| Size of pipe.         | Cement-lined pipe. | Cast-iron pipe. | Gates. |
|-----------------------|--------------------|-----------------|--------|
| 20-inch diameter..... | 20,367 feet.       | 24,719 feet.    | 19     |
| 14-inch " .....       |                    | 16,245 "        | 21     |
| 12-inch " .....       |                    | 38,318 "        | 46     |
| 10-inch " .....       |                    | 49,851 "        | 56     |
| 8-inch " .....        |                    | 105,986 "       | 143    |
| 6-inch " .....        | 234 feet.          | 367,304 "       | 822    |
| 4-inch " .....        |                    | 20,095 "        | 63     |
|                       | 20,601 feet.       | 622,518 feet.   | 1,170  |

Cement-lined pipe ..... 3.90 miles

Cast-iron pipe ..... 117.90 "

Total pipe ..... 121.80 miles

899 hydrants.

1,170 gates.

12 air valves.

Respectfully submitted,

CHARLES K. WALKER,

*Superintendent.*

Materials on Hand.

QUARTER TURNS.

PLUGS.

5 12-inch.

1 14-inch.

1 8 "

12 10 "

5 10 "

19 12 "

1 6 "

6 8 "

4 14 "

8 6 "

2 4 "

17 4 "

PIPE.

BENDS.

24 feet 24-inch pipe.

1 20-inch 1-8 bend.

8,288 " 20 " "

1 8 " 1-8.

720 " 14 " "

4 10 " 1-8.

2,000 " 12 " "

2 20 " Y.

3,550 " 10 " "

1 20 " 1-16.

## PIPE.—Continued.

|          |                      |
|----------|----------------------|
| 440 feet | 8-inch pipe.         |
| 4,620    | " 6 " "              |
| 1,370    | " 4 " "              |
| 2,065    | " 1 " "              |
| 171      | " $\frac{3}{4}$ " "  |
| 100      | " 2 " "              |
| 132      | " $1\frac{1}{2}$ " " |
| 182      | " $1\frac{1}{4}$ " " |

## BRANCHES.

|    |        |    |    |     |
|----|--------|----|----|-----|
| 2  | single | 12 | on | 12. |
| 2  | "      | 10 | "  | 20. |
| 1  | "      | 6  | "  | 20. |
| 1  | "      | 14 | "  | 14. |
| 1  | "      | 12 | "  | 14. |
| 1  | "      | 10 | "  | 14. |
| 2  | "      | 6  | "  | 14. |
| 5  | "      | 6  | "  | 12. |
| 1  | "      | 4  | "  | 12. |
| 5  | "      | 10 | "  | 10. |
| 3  | "      | 6  | "  | 10. |
| 2  | "      | 4  | "  | 10. |
| 3  | "      | 8  | "  | 8.  |
| 4  | "      | 6  | "  | 8.  |
| 39 | "      | 6  | "  | 6.  |
| 1  | "      | 8  | "  | 10. |
| 4  | "      | 4  | "  | 8.  |
| 5  | "      | 8  | "  | 12. |

## WHOLE SLEEVES.

|   |          |
|---|----------|
| 2 | 20-inch. |
| 6 | 14 "     |
| 3 | 12 "     |
| 6 | 10 "     |
| 7 | 6 "      |
| 4 | 4 "      |

## GATES.

|   |                |
|---|----------------|
| 4 | 6-inch spigot. |
| 5 | 8 " bells.     |
| 5 | 10 " "         |
| 3 | 4 " "          |
| 2 | 6 " "          |
| 1 | 14 " spigot.   |
| 2 | 14 " bells.    |
| 3 | 12 " "         |

## BENDS.—Continued.

|    |         |     |          |
|----|---------|-----|----------|
| 1  | 14-inch | 1-8 | bend.    |
| 1  | 12      | "   | 1-8.     |
| 5  | 8       | "   | offsets. |
| 4  | 12      | "   | "        |
| 12 | 6       | "   | "        |
| 3  | 10      | "   | "        |

## BRANCHES.

|    |        |    |    |          |
|----|--------|----|----|----------|
| 1  | double | 4  | on | 8.       |
| 2  | "      | 6  | "  | 20.      |
| 1  | "      | 8  | "  | 14.      |
| 2  | "      | 6  | "  | 14.      |
| 15 | "      | 6  | "  | 12.      |
| 13 | "      | 6  | "  | 10.      |
| 4  | "      | 8  | "  | 8.       |
| 11 | "      | 6  | "  | 8.       |
| 10 | "      | 6  | "  | 6.       |
| 3  | "      | 4  | "  | 4.       |
| 1  | "      | 6  | "  | 8 on 14. |
| 1  | "      | 6  | "  | 10 " 10. |
| 1  | "      | 4  | "  | 6.       |
| 1  | "      | 14 | "  | 14.      |
| 9  | "      | 8  | "  | 12.      |

## REDUCERS.

|    |         |    |          |
|----|---------|----|----------|
| 1  | 14-inch | to | 10-inch. |
| 1  | 20      | "  | " 14 "   |
| 2  | 14      | "  | " 12 "   |
| 1  | 12      | "  | " 8 "    |
| 5  | 12      | "  | " 6 "    |
| 7  | 10      | "  | " 8 "    |
| 1  | 10      | "  | " 6 "    |
| 11 | 8       | "  | " 6 "    |
| 1  | 6       | "  | " 4 "    |

|    |                     |
|----|---------------------|
| 21 | hydrants.           |
| 22 | pigs of lead.       |
| 59 | stop boxes.         |
| 14 | curb cocks.         |
| 15 | gate domes.         |
| 22 | 1-inch corp cocks.  |
| 5  | $\frac{5}{8}$ " " " |
| 79 | $\frac{3}{4}$ " " " |



REPORT OF THE BOARD OF HEALTH.





# REPORT OF THE BOARD OF HEALTH.

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*To His Honor the Mayor:*

The Board of Health submits the following report for the year 1910:

William K. Robbins was reappointed to succeed himself, and at the annual meeting held February 7, William J. Starr was elected president, and William K. Robbins clerk of the board.

The appropriation made by the city council for carrying on the work of the department during the year was \$20,000.

The expenditures have been as follows:

## OFFICE EXPENSES.

|                                       |            |
|---------------------------------------|------------|
| Salaries .....                        | \$600.00   |
| Labor .....                           | 4,302.03   |
| Office furniture .....                | 182.45     |
| Printing, postage and stationery..... | 255.90     |
| Telephone service .....               | 85.67      |
| Express .....                         | 15.88      |
| Disinfectants .....                   | 182.70     |
| Antitoxin .....                       | 1,475.18   |
| Diphtheria examinations .....         | 22.50      |
| Quarantined families .....            | 48.85      |
| Carriage hire and carfares.....       | 94.05      |
| Supplies for laboratory.....          | 422.96     |
| Milk samples .....                    | 40.17      |
| Lighting .....                        | 11.51      |
| Incidentals .....                     | 50.56      |
|                                       | <hr/>      |
|                                       | \$7,790.41 |

## ISOLATION HOSPITAL.

|                         |          |
|-------------------------|----------|
| Salary of matron .....  | \$300.00 |
| Fuel .....              | 479.94   |
| Electric lighting ..... | 91.30    |
| Board of patients.....  | 1,118.26 |
| Nursing .....           | 1,974.00 |
| Telephone service ..... | 73.55    |
| Water .....             | 53.25    |
| Hacks to hospital ..... | 148.00   |

|                               |          |
|-------------------------------|----------|
| Repairs and improvements..... | \$417.21 |
| Furniture and supplies.....   | 450.43   |

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\$5,105.94

## SMALLPOX HOSPITAL.

|                            |          |
|----------------------------|----------|
| Salary of matron .....     | \$360.00 |
| Fuel .....                 | 12.25    |
| Telephone service .....    | 25.00    |
| Water .....                | 7.52     |
| Electric lighting .....    | 12.00    |
| Medical attendance .....   | 3.00     |
| Vaccination .....          | 1,309.35 |
| Repairs and supplies ..... | 356.46   |

---

\$2,085.58

|                                    |            |
|------------------------------------|------------|
| Office expenses .....              | \$7,790.41 |
| Isolation hospital .....           | 5,105.94   |
| Smallpox hospital .....            | 2,085.58   |
| Medical inspection of schools..... | 1,062.31   |

---

\$16,044.24

|  |          |
|--|----------|
| Amount turned in from milk license fees..... | \$401.00 |
| Amount turned in from board of patients..... | 242.22   |

It will be noticed that the regular office expenses are increased for labor owing to increase in salaries of former inspectors and the employment of an additional inspector, and by increased laboratory supplies in the form of new apparatus. They are less for antitoxin, quarantined families and carriage hire.

The expenses of the Isolation hospital show a decided decrease for nursing, board of patients and hacks to hospital, due directly to the decrease in number of patients treated.

The Smallpox hospital expenses are decidedly larger than usual, owing to repairs, or, rather, improvements, by installing apparatus for heating the building by steam, also by an increase for vaccination expense, occasioned by medical inspection of schools, which revealed many unvaccinated children.

The new account is for medical inspection of schools. Seven hundred and twenty dollars was required to pay the medical inspectors, and three hundred and forty dollars for printing, filing cases and supplies.

This made the grand total expended during the year \$16,044.24, leaving \$3,955.76 of the appropriation unused which was transferred to other accounts.

There was turned in to the city treasurer during the year from milk license fees \$401, and from board of private patients at Isolation hospital \$242.22, leaving the actual net expense of the department during the year \$15,401.02.

#### MEETINGS.

The regular weekly meetings have been held as usual on Tuesday evenings. This gives the public an opportunity to meet the full board and bring before them any complaint or business which they wish to have adjusted, and is often taken advantage of.

Forty-one regular meetings and seven special meetings for trips of inspection and such business as required immediate attention, were held.

#### BACTERIOLOGICAL LABORATORY.

One hundred and eighty examinations for diphtheria have been made during the year, thirty-one being positive or true diphtheria, and one hundred and forty-four negative.

Forty-eight of the negative results were for the discharge of patients.

As in previous years these cultures have usually been sent to the state laboratory in Concord, but the examinations are made by Dr. A. G. Straw in our own laboratory, when occasion demands.

Complaints of the delay in obtaining results when cultures are sent to Concord have been more frequent than ever before, and many physicians have expressed themselves in regard to the need of a bacteriological branch of the state laboratory in this city.

#### PLUMBING INSPECTION.

The plumbing work during the year has been greatly increased, owing to the large number of tenement and apartment houses, which have been built to accommodate the increased population.

Very little trouble is experienced in enforcing the plumbing rules, as they have become too well known, and the necessity for them too well understood, to be questioned.

#### MILK INSPECTION.

The additional inspector employed this year was used for house-to-house sanitary inspection and was thus unable to be of as material assistance toward milk inspection as he doubtless will be the coming year. Besides the taking and testing of samples the board desires to extend the work to the improvement of conditions surrounding the production of milk at the farms, and for next year will ask the coun-

cil to provide a combination motor ambulance and runabout, which would allow fully three times as much to be accomplished in a given time in inspecting dairies.

During the year the evils of selling loose milk in the stores was much more evident than ever before, and the board sought to amend the regulations for handling milk by requiring all milk to be retailed in original packages filled at the dairy or milk depot, under conditions approved by this board.

These proposed amendments were referred by the board of aldermen to the subcommittee on public health. This committee held several hearings on the subject and made a majority report, favoring approval, but objection was raised in the full board.

The board of health appeared and explained the situation but the subject was finally laid on the table for further hearing and no further action was ever taken.

During the hearings the only serious objection ever raised against the original package system was the inconvenience it might occasion among milkmen in exchanging "overs," to adjust their supplies to demands.

This process is discouraged by the board because after that exchange the identity of the milk is lost and the responsibility for its condition is mixed and practically lost.

The position of the board is that the selling of loose milk on the streets and in stores is an insanitary, dangerous and unjust proceeding.

It is insanitary because the measure and the stirrer for mixing are not scalded nor even washed between sales, and the milk left adhering to them sours and catches particles of street and store dust, liable to contain all sorts of infectious material, which is washed off in mixing and measuring the next sale, and thus is liable to contaminate the milk with dangerous disease.

It is also unjust because in making many sales from the same can, the last sold is not so rich nor so clean as the first.

The aim of the board is to guarantee to the person who feels he cannot afford to maintain a refrigerator to keep milk cool at home, the same quality of milk bought at a store that his neighbor receives from his regular milkman, also to fix the identity of and responsibility for the purity of the milk.

The tests of many samples of milk from the stores show that it is left open to flies and dust about the store, is often found as warm as 70° F., and very often below the legal standard of quality.

The board has refrained from prosecuting the grocers because of the lost identity and mixed responsibility for its condition, which seems due more to the system than to the careless or wilful negligence of the grocer.

Therefore, those dealers whose product was found wrong, were invited to attend the meetings of the Board of Health, and explain the conditions, and forty-five milkmen and dealers responded to such invitations.

Their excuses were thoughtlessness of clerks, rush of business, and impossibility to avoid the results under the system.

They agreed unanimously that it is impossible for any person to retail an eight-quart can of milk in pints or quarts and have the quality as good in the last sale as the first.

Only one or two who happened to have hot water for other purposes claimed to scald the measure or stirrer once, the rest rinse once a day with cold water or not so often, and only a very few kept these utensils under cover or protected from dust.

The agreement was unanimous that the proper way to retail milk is in original packages.

Other cities where the original package system has been in use, report the system very satisfactory. It saves the dealers clerk hire, annoyance and responsibility, and they have no desire to return to the old system.

These amended regulations will be presented to the new board of aldermen for approval which we hope will be readily granted when all conditions are well understood.

The detail of work done will be found in the report of the milk inspector.

#### DISPOSAL OF REFUSE.

No change has been made in regard to the disposal of the city's refuse.

There have been, and probably always will be, complaints about the dumps. We believe that the Street and Park Commissioners have done all that could be done with the means at their disposal, but it can only be a question of time when some more sanitary method must be devised for the disposal of the city's refuse.

We most sincerely urge the council to supply the commissioners with funds to install some system of refuse destruction, which will be more sanitary and less expensive than the present expensive and dangerous method.

#### ISOLATION HOSPITAL.

As noted above, the expense for maintaining this institution was much less than during 1908 and 1909.

This is due entirely to the decrease of diphtheria and scarlet fever in the city.

The same efficient and painstaking matron, Mrs. Selma Flodin, has been in charge, and the system of previous years has been followed.

Seventy-five cases of diphtheria and nine cases of scarlet fever



were cared for, and as usual many of these patients came from homes where proper surroundings and care could not be provided, and thus in a sense, the institution can be credited with saving their lives, and at the same time it shielded many others from almost certain infection, sickness, and possibly death.

The board has always been compelled to hire hacks from livery stables to transport patients to and from the hospital.

These hacks have always been promptly disinfected and no case of infection is known to have occurred from them; at the same time the board has done this under protest, as it is not good sanitary practice and is quite expensive.

This year the city council will be asked for an appropriation for a motor vehicle, a combination ambulance and runabout, so that patients may be handled promptly, and with absolute safety.

This same vehicle can also be used by the members and inspectors for trips of inspection and especially for dairy inspection, as many of the dairy farms are so far away that reaching them all by horse-drawn vehicles, would scarcely be possible in a season.

No expense for chauffeur would be required, as any of the health inspectors could readily drive such a machine.

#### SMALLPOX HOSPITAL.

This is maintained in condition ready for immediate occupancy if required.

During the year the boiler which was taken out of the Isolation hospital, as being too small, was installed and piped up ready for use, so that now the building may be heated by steam, which will greatly increase its usefulness and especially its safety.

The maintenance of this institution with its continuously paid matron, is the continuance of a precedent of long standing, and the feeling of security given by it has pleased the community so that no complaint has been made about the expense of it.

However, in the present state of civilization, many people are questioning the wisdom or use of maintaining smallpox hospitals or even quarantining the disease.

Certainly, in a community properly vaccinated both hospital and quarantine are of no benefit whatever, since nobody could contract the disease, even though a person in the worst stage of it should travel in our cars, shop in the stores or even attend our schools.

Therefore the maintenance of hospital or quarantine is only for the convenience or protection of those who voluntarily deny themselves protection by vaccination.

Japan is probably the best vaccinated country in the world. They have no hospitals nor quarantine.



Germany is quite equally well protected. The Germans treat smallpox in general hospitals in wards with other patients.\*

The efficiency of vaccination as a preventive of smallpox has been so overwhelmingly demonstrated that no fair-minded person of even ordinary educational and scientific attainments, can be quoted against it at the present time.\*

If any evidence were needed it can be amply supplied by local experience.

During the epidemic of smallpox here, from 1900 to 1905, five hundred and fifty cases of all degrees of severity were handled by the Board of Health.

Dr. Parsons in treating was exposed to every one of them. The health inspectors and members of the board were exposed a great many times.

Physicians' offices and even the Board of Health office were visited by patients in the most contagious stage of the disease. Only one of the eight connected with the department had had smallpox, the rest were protected by vaccination, yet no one had the slightest sign of the disease.

Two vaccinated children lived in the house and played in the room with their mother while going through the most serious case that recovered, yet neither of them ever had a pimple.

This case was photographed and a picture of the woman is published on another page of this report.

The dangers of vaccination have been greatly magnified and overstated. It is one thing to show that a person suffers seriously after vaccination (and they are very few), and it is quite another to demonstrate that the trouble was actually caused by vaccination.

No intelligent person should question it for a minute, when it is remembered that the United States authorities vaccinated 3,500,000 persons in the Philippine Islands without a single death or even a case of serious illness resulting from it.\*

Really a person who fears vaccination should be afraid to eat, because probably more people are choked to death in this country in a year than have suffered serious results from vaccination in half a century.

It must be remembered that the nonvaccinated person is the only one who can possibly have smallpox, and it may be contracted at any time because it has existed within two or three hours' train ride of this city during most of the year and as it closes.

The unvaccinated is liable to get the contagion from parlor car, passenger car or trolley, and should be afraid of it.

The rest of the people do not need to give it a moment's thought.

\* From "Florida Health Notes," an exceedingly bright and valuable publication of the Florida State Board.

## MEDICAL INSPECTION OF SCHOOLS.

Late in the season an appropriation of \$1,500 became available for medical inspection of schools.

In order to do the work with full legal authority the board requested the board of mayor and aldermen to pass a suitable ordinance for this purpose. It was considered, and the Board of Health attended the meeting and explained matters fully, but the subject was finally laid upon the table and no further consideration given it.

It did not seem right that the schools should lose the benefit of inspection thus provided for, so the Board of Health established regulations of its own and proceeded under authority of the law relating to the enforcement of vaccination of school children by the Board of Health, doing the rest of the inspection in a purely advisory capacity.

## REGULATIONS FOR THE MEDICAL INSPECTION OF SCHOOLS.

1. All the schools of the city shall be divided into districts and a school physician assigned to each district, with the title of Medical Inspector.

2. Each medical inspector, within the first two weeks of each school term, shall inspect each school building in his district relative to the sanitary condition of heating, lighting, ventilation and drainage; and shall examine every teacher, janitor and pupil in each school to which he is assigned for evidences of vaccination, contagious disease, and other bodily or mental defects which may endanger the health of others, and make a special report thereof.

He shall also during the month of June, at least one week before the annual election of public schoolteachers, furnish each such teacher with a health certificate upon a blank provided by the school board.

3. The medical inspector shall visit each of the schools in his district at least once each week, and in case of contagious disease or other emergency, shall make such other visits as are in his opinion necessary.

He shall also visit the school whenever the principal notifies him that his presence is desired.

4. Pupils affected with the following diseases shall be excluded from the schools without delay and the patients sent to their homes; viz.: measles, diphtheria, scarlet fever, whooping cough, mumps, smallpox, chickenpox, tuberculosis; any acute catarrhal affections of the eyes, ears, nose or throat, and when so excluded such pupil shall be furnished with a card stating the reason for the same, made out by the inspector, sealed in an envelope and directed to the pupil's parent or guardian.

5. For defects of vision or hearing, adenoids, pediculosis, eczema,

herpes, scabies, decayed teeth or tonsilitis, the medical inspector shall notify parents or guardian by card in sealed envelope taken by the pupil, and recommend that treatment be procured.

6. At the request of the superintendent of schools or of a truant officer the medical inspector shall visit at home a pupil alleged to be sick, to determine whether the pupil be really ill, and if so, whether the disease is one requiring action on the part of the school committee or Board of Health.

7. Teachers shall refer to the medical inspector every child showing evidence of ill health, and as far as practicable every child returning to school after an absence on account of sickness or from unknown cause, unless such child returns by permission of the Board of Health.

8. The medical inspector shall not prescribe for pupils except for pediculosis, nor shall he advise as to the choice of a physician except to suggest that the family physician be consulted.

9. Each medical inspector shall make a report to the Board of Health on the Saturday before the last Tuesday of each month, on blanks furnished for the purpose, of the number of pupils examined; the number of negatives, the number excluded, the number recommended for treatment or special adjustment of work; with diagnosis of excluded or recommended cases, copies of which shall be filed with the superintendent of schools or other person in authority.

The city was divided into six districts and a medical inspector assigned to each.

The actual work was thus delayed by many things and was not begun until the fall term, but met with the most hearty coöperation from both parochial and public school authorities and proceeded without friction.

The resistance encountered was so exceedingly small that it served only to remind the board that there is still an occasional person who prefers to be "different" rather than reasonable.

The results are most gratifying, especially when it is remembered that this, like any other new work, cannot be done to best advantage in the beginning.

The most important results are those relating to vaccination.

In all there were found over 4,000 children in the schools unvaccinated, and all but twenty-one of these complied with the law and were vaccinated.

About half of this number had reasonable excuses for temporary delay, and the other half, the board has good right to believe, are healthy and normal children, and the legal technicality resorted to to evade the required vaccination, is shame upon their parents as well as a reflection upon the sincerity of the physician signing the certificate.

Happily, there are now only these twenty-one who need have any fear if a person sick with smallpox should join in the schools plays or even recitations.

Probably the most surprising result is the number of children afflicted with pediculosis (head lice); since these vermin pass from one to another and may readily carry dangerous diseases with them, it is a serious consideration, and is the more so because in many families lice are so common that little or no effort is made to eradicate them.

A surprisingly large number of cases of tonsilitis were found.

As some physicians class slight enlargement of the tonsils by this name, it is believed that comparatively few cases of acute tonsilitis, or real sore throat, were found.

However, the observations show that the condition of children's throats should be watched with greater care.

The table of results will show that a number of other dangerous diseases were found and children excluded from school until cured.

Some cases of overcrowding were found in the public schools and many in the parochial schools; some of the latter being on the third floor of the building, with but a single wooden stairway as means of egress, which makes a serious risk in case of fire.

Now that a start has been made it is easy to see the benefits to result from regular inspection of the schools, both as to safety of the public health and efficiency of school work.

Some results of the inspection are given in the following tables:

|  |       |
|--|-------|
| Not vaccinated .....                         | 4,098 |
| Whooping cough .....                         | 13    |
| Tuberculosis .....                           | 5     |
| Scabies .....                                | 9     |
| Herpes .....                                 | 52    |
| Ringworm .....                               | 10    |
| Pediculosis (5th district not reported)..... | 774   |
| Eczema .....                                 | 12    |
| Nose, catarrhal .....                        | 59    |
| Eyes, " .....                                | 21    |
| Ears, " .....                                | 13    |
| Adenoids .....                               | 620   |
| Tonsils, chronic .....                       | 1,360 |
| Vision, defective .....                      | 314   |
| Hearing, " .....                             | 248   |
| Decayed teeth .....                          | 1,219 |
| Epilepsy .....                               | 5     |
| Ulcer of leg .....                           | 1     |



## THE TREATMENT OF VARIOUS FOOD-PRODUCTS IN COMMERCE.

The request of the Board of Health that the city ordinances provide for better care in handling milk, including its sale in original packages, does not represent all of the reforms that the board would like to inaugurate.

It would have all food products exposed for sale on sidewalks or in stores, placed beyond the possibility of defilement by dogs.

All food which is to be consumed without peeling or cooking should be protected from flies and dust of store or street; such as candy, pickles, vegetables, berries, fruits, and products of bakeries like bread, crackers, cookies, etc.

Bread especially should be covered with clean, unused paper at the bakery.

The filthiness of handling bread, observed by, and reported to this board, is often nauseating.

All these reforms can be carried out without serious inconvenience or expense, and are already being observed by some of the candy stores, groceries and bakeshops.

If customers will insist upon buying only food that is properly cared for most dealers will do it voluntarily and others should be compelled to.

## CONTAGIOUS DISEASES.

The total number of contagious diseases during the year was three hundred and twenty-six, a much smaller number than for several years past, and of this number one hundred and ten were measles.

There were one hundred and seventy-one cases of diphtheria and membranous croup with twenty-five deaths, fifteen cases of scarlet fever, from which no deaths resulted, and thirty cases of typhoid fever with eight deaths.

Pneumonia, which is usually the most fatal of all diseases, was less so during last year, causing one hundred and twenty-seven deaths.

Tuberculosis and cholera infantum were also less fatal, as will be shown in the table of comparisons.

The tables of statistics and the reports of the inspectors shown on the following pages give some interesting information.

In concluding this report we would extend our thanks to the public in general, and to the mayor and city government in particular, for the assistance and encouragement received from them in discharging the duties of this department.

Respectfully submitted,

WILLIAM J. STARR.

WILLIAM K. ROBBINS.

GUSTAVE LAFONTAINE.





TABLE No. 2.

| MONTHS.    | Membranous croup. |         | Diphtheria. |         | Typhoid fever. |         | Measles. |         | Scarlet fever. |         | Varioloid. |         | Small-pox. |         | Totals |         |
|------------|-------------------|---------|-------------|---------|----------------|---------|----------|---------|----------------|---------|------------|---------|------------|---------|--------|---------|
|            | Cases.            | Deaths. | Cases.      | Deaths. | Cases.         | Deaths. | Cases.   | Deaths. | Cases.         | Deaths. | Cases.     | Deaths. | Cases.     | Deaths. | Cases. | Deaths. |
| January..  | 2                 | 1       | 26          | 5       | 2              | 1       | 55       | .....   | 3              | .....   | .....      | .....   | .....      | .....   | 88     | 7       |
| February.. | 1                 | 1       | 16          | .....   | 2              | .....   | 19       | .....   | .....          | .....   | .....      | .....   | .....      | .....   | 58     | 1       |
| March..... | 1                 | 1       | 16          | 2       | .....          | 1       | 11       | .....   | 2              | .....   | .....      | .....   | .....      | .....   | 30     | 4       |
| April..... | 2                 | .....   | 10          | 2       | 2              | 1       | 1        | .....   | 2              | .....   | .....      | .....   | .....      | .....   | 17     | 3       |
| May.....   | 1                 | .....   | 8           | 3       | 1              | .....   | 14       | .....   | 2              | .....   | .....      | .....   | .....      | .....   | 26     | 3       |
| June.....  | .....             | .....   | 12          | 1       | 3              | 2       | 6        | .....   | 1              | .....   | .....      | .....   | .....      | .....   | 22     | 3       |
| July.....  | .....             | .....   | 4           | .....   | 5              | 1       | .....    | .....   | 1              | .....   | .....      | .....   | .....      | .....   | 10     | 1       |
| August.... | .....             | .....   | 7           | 1       | 5              | 1       | .....    | .....   | .....          | .....   | .....      | .....   | .....      | .....   | 12     | 2       |
| Septemb'r  | .....             | .....   | 17          | .....   | 4              | .....   | 1        | .....   | .....          | .....   | .....      | .....   | .....      | .....   | 22     | .....   |
| October... | 1                 | .....   | 18          | 2       | 1              | .....   | 1        | .....   | 2              | .....   | .....      | .....   | .....      | .....   | 23     | 2       |
| November   | 3                 | .....   | 10          | 2       | 2              | .....   | 2        | .....   | 2              | .....   | .....      | .....   | .....      | .....   | 19     | 2       |
| December   | 2                 | 2       | 14          | 2       | 3              | 1       | .....    | .....   | .....          | .....   | .....      | .....   | .....      | .....   | 19     | 5       |
| Totals...  | 13                | 5       | 158         | 20      | 30             | 8       | 110      | .....   | 15             | .....   | .....      | .....   | .....      | .....   | 326    | 33      |



REPORT OF THE BOARD OF HEALTH.

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No. 3.

FOR THE LAST TWENTY YEARS.

| 1899.      | 1900.       | 1901.       | 1902.      | 1903.      | 1904.      | 1905.      | 1906.      | 1907.      | 1908.      | 1909       | 1910.      |
|------------|-------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 60,000     | 56,987      | 56,987      | 56,987     | 60,000     | 62,000     | 62,000     | 64,000     | 65,000     | 67,000     | 68,000     | 70,000     |
| 1,068      | 1,167       | 1,131       | 1,092      | 1,106      | 1,006      | 1,327      | 1,243      | 1,220      | 1,113      | 1,349      | 1,146      |
| 17.80      | 20.47       | 19.84       | 19.12      | 18.43      | 16.22      | 21.40      | 19.40      | 18.76      | 16.60      | 19.82      | 16.37      |
| 541        | 561         | 554         | 622        | 556        | 477        | 677        | 575        | 594        | 550        | 656        | 557        |
| 50.65      | 48.07       | 43.99       | 56.95      | 50.27      | 47.41      | 58.55      | 46.21      | 48.68      | 40.43      | 48.59      | 48.60      |
| 9.01       | 9.84        | 9.71        | 10.91      | 9.26       | 7.69       | 10.91      | 8.98       | 9.13       | 8.20       | 9.63       | 7.95       |
| 203        | 244         | 283         | 238        | 225        | 201        | 267        | 264        | 231        | 279        | 318        | 251        |
| 3.38<br>78 | 4.28<br>119 | 4.96<br>121 | 4.17<br>98 | 3.75<br>92 | 3.24<br>72 | 4.30<br>79 | 4.12<br>69 | 3.55<br>67 | 4.16<br>70 | 4.52<br>91 | 3.53<br>62 |
| 91         | 100         | 81          | 78         | 87         | 87         | 109        | 95         | 80         | 90         | 101        | 84         |
| 10         | 6           | 5           | 12         | 17         | 6          | 12         | 15         | 10         | 9          | 5          | 5          |
| 6          | 8           | 3           | 22         | 17         | 10         | 22         | 30         | 20         | 32         | 29         | 20         |
| 65         | 40          | 38          | 55         | 40         | 31         | 23         | 34         | 53         | 26         | 45         | 38         |
| 113        | 118         | 105         | 120        | 112        | 101        | 132        | 120        | 130        | 79         | 155        | 127        |
| 57         | 77          | 75          | 54         | 73         | 55         | 74         | 79         | 91         | 82         | 80         | 67         |
| 3          | 6           | 9           | 2          | 2          | 1          | 1          | 1          |            |            |            |            |
| 12         | 12          | 11          | 8          | 10         | 13         | 9          | 5          | 8          | 18         | 11         | 8          |
| 5          | 1           |             |            | 1          |            | 4          |            | 3          |            | 4          |            |
| 15         | 3           | 8           | 5          | 5          | 4          | 4          | 17         | 9          | 9          | 11         | 4          |
|            |             |             |            |            | 1          |            |            |            |            |            |            |

TABLE No. 4.

TABLE SHOWING THE MORTALITY OF THE CITY BY DISEASES  
AND BY MONTHS FOR THE YEAR 1910.

| CAUSES OF DEATH.               | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|--------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| Abscess of brain.....          | 1        |           |        |        | 1    | 1     | 1     |         |            |          |           |           | 4      |
| Accident, asphyxiation.....    |          |           | 1      |        |      |       |       |         |            | 2        | 2         |           | 5      |
| "    burned.....               |          |           |        | 2      | 1    |       |       |         |            |          |           |           | 3      |
| "    drowned.....              |          |           | 1      |        |      | 2     | 1     | 1       |            |          |           |           | 5      |
| "    fall.....                 |          |           |        | 2      | 1    |       |       | 1       | 1          | 3        |           | 1         | 9      |
| "    gunshot wound.....        |          |           |        |        |      |       |       |         | 1          |          |           |           | 1      |
| "    railroad.....             |          |           |        |        | 1    | 1     |       |         |            |          |           |           | 2      |
| "    run over by team.....     |          |           |        |        |      |       | 1     |         |            |          |           |           | 1      |
| Addison's disease.....         |          |           |        |        |      |       |       |         | 1          |          |           |           | 1      |
| Alcoholism.....                |          |           |        |        | 1    |       |       |         |            |          |           | 1         | 2      |
| Anæmia.....                    |          |           | 1      |        |      | 1     | 1     |         | 1          |          |           | 1         | 5      |
| Aneurism, aortic.....          |          |           |        | 1      |      |       |       |         |            |          |           |           | 1      |
| Angina pectoris.....           |          |           |        | 2      |      |       |       |         | 4          |          | 1         |           | 9      |
| Apoplexy.....                  | 5        | 6         | 1      | 9      | 5    | 5     | 2     | 3       | 5          | 4        | 4         | 4         | 53     |
| Appendicitis.....              |          |           | 1      |        | 1    |       | 2     |         | 5          | 2        |           |           | 6      |
| Arthritis, chr. rheumatic..... |          |           |        |        |      |       |       |         |            |          | 1         |           | 1      |
| Asthenia.....                  |          |           | 1      |        |      |       |       |         |            |          |           |           | 1      |
| At-hma.....                    |          |           |        |        |      |       |       |         | 1          |          |           |           | 1      |
| Ataxia, locomotor.....         |          |           |        |        |      |       |       |         | 1          |          | 1         |           | 2      |
| Atelectasis, pulmonary.....    |          | 1         |        |        |      |       |       |         |            |          |           |           | 1      |
| Brain, congestion of.....      |          |           |        |        |      | 2     | 1     |         |            |          |           |           | 3      |
| "    softening of.....         |          | 1         |        |        |      |       | 1     |         |            |          |           |           | 2      |
| Bronchitis.....                | 5        | 2         | 4      | 1      | 4    | 2     | 2     |         | 2          | 1        | 1         | 8         | 32     |
| "    capillary.....            | 2        | 2         |        |        |      |       |       |         |            | 1        |           | 1         | 6      |
| Cancer of bladder.....         |          |           |        |        |      |       |       |         |            |          | 2         |           | 2      |
| "    breast.....               | 1        |           |        | 1      |      | 1     | 1     |         | 1          | 1        | 1         | 2         | 9      |
| "    face.....                 |          |           |        |        |      |       |       | 1       |            |          |           |           | 1      |
| "    intestines.....           |          |           |        |        |      | 1     |       | 1       |            | 1        | 1         |           | 4      |
| "    lip.....                  |          |           |        |        |      |       |       |         |            |          | 1         |           | 1      |
| "    liver.....                |          |           | 1      |        |      |       |       | 1       |            | 2        |           |           | 4      |
| "    optic nerve.....          |          |           |        |        |      | 1     |       |         |            |          |           |           | 1      |
| "    rectum.....               |          |           |        |        | 1    |       |       |         |            |          |           |           | 1      |
| "    stomach.....              |          |           | 2      | 1      | 1    | 3     |       |         | 2          | 1        |           | 1         | 11     |
| "    throat.....               |          |           |        |        |      |       |       | 1       |            |          |           |           | 1      |
| "    uterus.....               | 1        | 1         | 1      |        | 1    |       | 1     |         | 1          |          | 1         |           | 7      |
| Carbuncle.....                 |          |           |        |        |      | 1     |       |         |            |          |           |           | 1      |
| Cellulitis, diffus. d.....     |          |           |        |        |      | 1     |       |         |            |          |           |           | 1      |
| Cholangitis, suppurative.....  |          |           |        | 1      |      |       |       |         |            |          |           |           | 1      |
| Cholecystitis.....             |          | 1         |        |        |      |       |       |         |            |          |           |           | 1      |
| Cholera infantum.....          |          | 1         |        |        | 1    | 2     | 16    | 16      | 17         | 5        | 2         | 2         | 62     |
| Colitis, entero.....           | 1        |           |        |        |      |       |       | 1       | 1          |          |           |           | 3      |
| "    ileo.....                 | 1        | 1         |        |        |      |       |       | 2       |            |          |           |           | 4      |
| Compression of funis.....      |          |           |        | 1      |      |       |       |         |            |          |           |           | 1      |
| Convulsions.....               | 3        | 4         | 1      | 3      | 1    | 1     |       |         | 3          |          | 1         | 3         | 20     |
| Croup, membranous.....         | 1        | 1         | 1      |        |      |       |       |         |            |          |           | 2         | 5      |
| Cyanosis.....                  |          |           | 2      |        | 1    |       |       |         | 1          |          |           |           | 4      |
| Cystitis.....                  |          |           | 1      | 1      | 1    |       | 1     |         | 1          |          |           |           | 5      |
| Dementia, senile.....          |          | 1         |        |        |      |       |       |         |            |          |           |           | 1      |
| Diabetes.....                  | 2        | 1         | 2      |        | 2    | 1     | 1     |         |            | 1        | 1         |           | 11     |
| Diphtheria.....                | 5        |           | 2      | 2      | 3    | 1     |       | 1       |            | 2        | 2         | 2         | 20     |
| Dropsy.....                    | 2        |           | 1      |        |      |       |       |         |            |          |           | 1         | 4      |
| Dysentery.....                 |          |           |        | 1      |      |       |       |         |            |          | 1         |           | 2      |
| Embolism, cardiac.....         |          |           |        |        |      | 1     |       |         |            |          |           |           | 1      |
| Empyema.....                   | 1        | 1         |        |        | 1    |       |       |         |            |          |           |           | 3      |
| Endocarditis.....              | 2        | 2         | 1      | 2      |      | 1     | 1     |         | 2          |          | 1         |           | 12     |
| Enteritis.....                 |          |           | 1      |        |      |       |       |         |            | 1        | 1         |           | 3      |
| "    gastro.....               |          |           | 2      |        | 2    |       | 1     | 3       | 7          | 3        | 2         | 4         | 26     |
| "    tubercular.....           |          |           |        |        |      |       |       |         |            |          | 1         |           | 1      |
| Epilepsy.....                  |          |           |        |        |      |       |       | 1       |            | 1        |           |           | 2      |
| Erysipelas.....                | 2        |           | 1      |        |      |       |       |         |            |          |           |           | 3      |
| Fever, typhoid.....            | 1        |           | 1      | 1      |      | 2     | 1     | 1       |            |          |           | 1         | 8      |
| Foreign body in larynx.....    |          |           |        |        |      |       |       |         |            |          | 1         |           | 1      |
| Gangrene, senile.....          |          | 1         |        |        |      |       |       |         |            |          |           |           | 1      |
| "    of lower limbs.....       |          |           |        |        |      |       |       |         |            | 1        | 1         |           | 2      |
| Gastritis.....                 | 1        | 2         |        | 1      |      | 1     |       | 3       | 1          |          |           | 1         | 10     |

TABLE No. 4.—Continued.

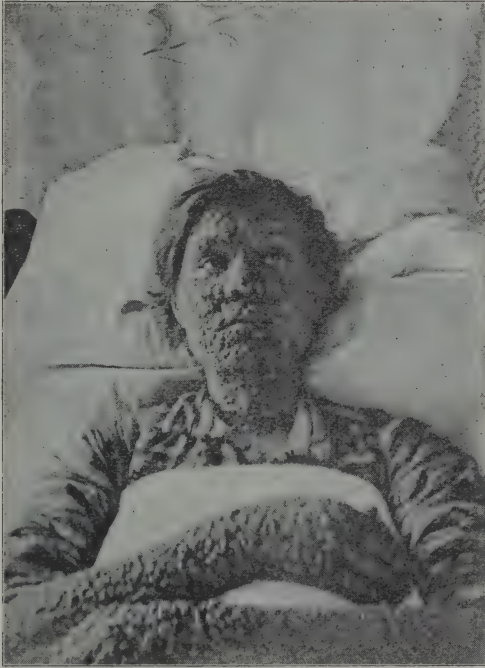
| CAUSES OF DEATH.                   | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|------------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| Goitre, exophthalmic.....          |          |           |        | 1      |      |       |       |         |            | 1        |           |           | 2      |
| Haematemesis.....                  |          |           |        |        |      |       |       |         |            |          | 1         |           | 1      |
| Hear., dilatation of.....          |          | 1         | 1      |        |      |       |       |         |            | 3        |           |           | 5      |
| “ disease of.....                  | 6        | 1         | 3      | 3      | 3    | 3     | 1     | 2       |            | 5        |           | 2         | 29     |
| “ hypertrophy of.....              |          |           | 2      |        |      |       |       |         |            |          | 1         |           | 3      |
| “ mitral insufficiency of.....     |          | 2         |        | 1      | 1    |       |       |         | 1          |          |           |           | 1      |
| “ mitral regurgitat'n of.....      |          |           |        |        |      |       |       |         |            |          | 2         |           | 6      |
| “ paralysis of.....                | 1        |           |        |        |      |       |       |         |            |          |           |           | 1      |
| “ valvular disease of.....         | 2        | 2         | 4      | 1      | 3    | 1     | 1     |         | 1          | 2        | 3         | 2         | 22     |
| Hemiplegia.....                    | 1        |           |        |        |      |       |       |         | 1          |          |           |           | 2      |
| Hemorrhage from kidney.....        |          |           |        | 1      |      |       |       |         |            |          |           |           | 1      |
| “ post partum.....                 |          |           | 1      |        |      |       |       |         |            |          |           |           | 1      |
| “ pulmonary.....                   |          |           |        |        |      | 1     |       |         |            |          |           |           | 1      |
| “ umbilical.....                   | 1        |           |        |        |      |       | 1     |         |            | 1        |           |           | 3      |
| Hepatitis.....                     | 1        |           |        |        |      |       |       |         |            |          |           |           | 1      |
| Hernia, strangulated.....          |          |           |        |        |      |       |       | 1       |            |          |           |           | 1      |
| Hydrocephalus.....                 |          |           |        |        |      | 1     |       |         |            |          |           |           | 1      |
| Indigestion, acute.....            | 1        | 1         | 1      |        | 2    | 2     |       | 2       | 2          |          |           | 2         | 13     |
| Influenza.....                     |          |           |        | 1      |      |       |       |         |            |          |           | 2         | 3      |
| Injuries at birth.....             |          | 1         |        |        |      |       | 1     |         |            |          |           |           | 2      |
| Intestinal obstruction.....        |          | 2         | 2      | 1      |      |       |       | 2       |            | 1        |           |           | 8      |
| Intoxication, auto.....            |          |           |        |        | 1    |       |       |         |            |          |           |           | 1      |
| Liver, cirrhosis of.....           |          |           |        | 1      |      |       |       | 1       |            |          |           |           | 2      |
| “ hypertrophy of.....              |          |           |        |        |      |       |       |         | 1          |          |           |           | 1      |
| Leucocythemia.....                 |          |           |        |        |      |       |       |         |            |          | 1         |           | 1      |
| Lungs, congestion of.....          |          |           |        |        |      |       |       |         |            |          |           | 1         | 1      |
| Lymphaticus, status.....           |          |           |        |        |      | 1     | 1     |         |            |          |           |           | 2      |
| Malnutrition.....                  |          | 1         | 1      |        |      | 1     | 2     | 1       | 4          | 1        | 2         | 1         | 14     |
| Marasmus.....                      | 5        | 8         | 9      | 5      | 3    | 6     | 8     | 9       | 12         | 11       | 9         | 4         | 89     |
| Mastoiditis.....                   |          |           |        |        |      |       |       |         | 1          |          |           |           | 1      |
| Meningitis.....                    | 7        | 8         | 2      | 5      | 4    | 5     | 4     | 1       | 2          | 2        | 3         | 4         | 47     |
| “ cerebro-spinal.....              |          |           |        |        | 2    |       |       | 2       |            | 2        |           |           | 6      |
| “ tubercular.....                  |          | 2         | 5      | 1      | 2    | 3     | 1     | 3       | 1          | 1        | 2         | 2         | 23     |
| Myelitis, anterior polio.....      | 1        |           |        |        |      |       |       |         |            |          |           |           | 4      |
| “ lumbar.....                      |          |           |        |        |      |       |       |         |            |          | 1         |           | 1      |
| Myocarditis.....                   |          |           | 2      |        |      | 2     |       |         |            |          |           | 2         | 6      |
| Nephritis.....                     | 4        | 3         | 3      | 4      | 4    | 4     | 1     | 2       | 2          | 2        | 6         | 2         | 37     |
| “ chronic interstitial.....        |          |           | 1      |        | 2    | 2     |       | 2       |            |          | 1         |           | 8      |
| Œdema of brain.....                |          |           |        |        |      | 1     |       |         |            |          |           |           | 2      |
| “ pulmonary.....                   |          |           |        |        |      |       |       | 2       |            |          | 1         |           | 3      |
| Old age.....                       | 4        | 2         | 3      | 6      | 2    | 1     |       |         | 1          | 2        | 4         | 3         | 28     |
| Paralysis.....                     | 2        |           | 2      | 2      |      |       |       | 1       | 2          | 1        |           | 2         | 12     |
| Paresis.....                       |          |           |        |        | 1    |       |       |         |            |          |           |           | 1      |
| Pericarditis.....                  |          |           |        |        |      |       |       |         | 1          |          |           |           | 2      |
| Peritonitis.....                   | 1        | 1         | 3      | 1      | 1    | 2     | 1     | 1       | 1          | 2        | 1         | 1         | 16     |
| “ tubercular.....                  |          |           |        |        |      | 2     |       |         |            |          |           |           | 2      |
| Pertussis.....                     |          |           |        |        |      |       |       | 1       |            | 2        |           | 1         | 4      |
| Phlegmosia, albadolous.....        | 1        |           |        |        |      |       |       |         |            |          |           |           | 1      |
| Pleurisy.....                      |          |           |        |        |      |       |       | 1       |            |          |           |           | 1      |
| Pneumonia.....                     | 17       | 13        | 11     | 8      | 8    | 3     | 2     | 4       | 1          | 4        | 6         | 7         | 84     |
| “ broncho.....                     | 6        | 8         | 2      | 6      | 2    | 2     |       |         | 1          | 2        | 3         | 3         | 39     |
| “ pleuro.....                      | 2        | 1         |        |        |      |       |       |         |            |          |           |           | 3      |
| “ typhoid.....                     |          |           |        | 1      |      |       |       |         |            |          |           |           | 1      |
| Premature birth.....               | 1        | 3         |        | 2      | 4    | 2     | 4     | 2       | 5          | 4        | 1         | 3         | 34     |
| Purpura, hemorrhagic.....          |          |           |        |        |      |       | 1     |         |            |          |           |           | 1      |
| Pyemia.....                        |          | 1         | 3      |        |      |       |       |         |            |          |           |           | 1      |
| Rheumatism, chronic.....           |          |           |        |        |      |       |       |         |            |          |           |           | 1      |
| Sclerosis, arterio.....            | 3        |           | 2      | 1      | 4    | 1     |       | 1       | 1          |          | 1         |           | 14     |
| Scrofula.....                      |          |           |        |        |      |       | 1     |         |            |          |           |           | 1      |
| Septicæmia.....                    | 1        |           |        | 1      | 1    |       | 1     |         | 1          |          | 1         |           | 6      |
| Septic inflammation of pleura..... | 1        |           |        |        |      |       |       |         |            |          |           |           | 1      |
| Spina bifida.....                  |          |           | 1      | 1      |      |       |       |         |            | 1        |           |           | 3      |
| Stenosis, pyloric.....             |          |           |        |        | 1    |       |       |         |            |          |           |           | 1      |
| Stillborn.....                     | 15       | 10        | 11     | 7      | 9    | 6     | 4     | 7       | 13         | 15       | 11        | 10        | 118    |
| Suicide by hanging.....            |          |           |        |        |      |       | 1     |         |            |          | 1         |           | 2      |

TABLE No. 4.—*Concluded.*

| CAUSES OF DEATH.               | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|--------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| Suicide by illuminating gas .. |          |           |        |        |      |       |       | 1       |            |          |           |           | 1      |
| Surgical shock ..              |          |           |        | 1      |      | 1     |       | 1       |            |          |           |           | 3      |
| Tonsillitis ..                 |          |           |        |        |      |       |       |         |            |          |           | 1         | 1      |
| Tuberculosis ..                | 6        | 2         | 2      | 1      |      |       |       | 1       |            | 2        |           |           | 14     |
| “ of bladder ..                |          |           | 1      |        |      |       |       |         |            |          |           |           | 1      |
| “ of glands ..                 |          |           |        |        |      |       |       | 1       |            |          |           |           | 1      |
| “ of intestines ..             |          |           |        |        |      | 1     |       | 1       | 1          |          |           |           | 3      |
| “ pulmonary ..                 | 8        | 6         | 2      | 7      | 9    | 5     | 5     | 6       | 2          | 5        | 2         | 8         | 65     |
| Tumor, abdominal ..            |          |           |        |        |      | 1     |       |         |            |          |           |           | 1      |
| “ of brain ..                  |          |           |        |        |      |       |       | 1       |            |          |           |           | 1      |
| “ malignant ..                 |          |           |        |        |      |       | 1     |         |            |          |           |           | 1      |
| Ulcer, duodenal ..             | 1        |           |        |        |      |       |       |         |            |          |           |           | 1      |
| “ gastric ..                   | 1        |           |        |        | 1    |       |       | 1       |            |          |           |           | 3      |
| Unknown ..                     |          |           | 1      |        |      |       |       |         | 1          |          |           |           | 2      |
| Uræmia ..                      |          | 4         | 1      |        | 3    | 2     |       | 2       | 1          | 2        | 1         | 1         | 17     |
| Vomiting of pregnancy ..       |          |           |        | 1      |      |       |       |         |            |          |           |           | 1      |
| Totals ..                      | 139      | 115       | 110    | 105    | 102  | 95    | 79    | 106     | 108        | 108      | 97        | 100       | 1264   |



PHOTOGRAPHS OF PATIENTS TAKEN DURING THE EPIDEMIC  
OF SMALLPOX IN THIS CITY.



A picture of the woman whose two vaccinated children played in the room with her while she was sick, without contracting the disease.



This picture shows what may happen to a child who is not protected by vaccination.

## REPORT OF THE INSPECTOR OF PLUMBING AND MILK.

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*Gentlemen of the Board of Health:*

I beg leave to submit the following report of the inspection of milk during the year 1910:

|   |        |
|---|--------|
| Number of samples milk, skim milk, and cream tested...  | 1,329  |
| brought in by milk dealers and<br>citizens .....  | 140    |
| collected by inspectors.....  | 1,189  |
| below standard, April 1 to Sep-<br>tember 30 .....  | 24     |
| below standard, January 1 to<br>March 31 and October 1 to<br>December 31 .....                          | 57     |
| letters written to dealers and others.....  | 120    |
| dealers found selling without a license.....  | 9      |
| wagons improperly marked.....   | 24     |
| Average butter fat from January 1 to March 31 and Oc-<br>tober 1 to December 31.....                    | 3.96%  |
| Average butter fat from April 1 to September 30.....  | 3.68%  |
| Average acidity from January 1 to March 31 and Octo-<br>ber 1 to December 31.....                       | .151%  |
| Average acidity from April 1 to September 30.....   | .144%  |
| Average specific gravity at 60° F. from January 1 to<br>March 31 and from October 1 to December 31..... | 1.0306 |
| Average specific gravity at 60° F. from April 1 to Sep-<br>tember 30 .....                              | 1.0304 |
| Average butter fat in 39 samples cream.....   | 30.36% |

Thirteen percent of the milk samples collected from grocery stores were found to be below standard.

Four percent of the samples collected from milkmen were below standard.

Every sample was tested for formaldehyde and many additional tests were made for colostrum cells, coloring matter, carbonates, salicylic acid, boric acid, cream thickeners and other adulterations.

During the year I have notified fifty milk dealers to appear before the board for violating the milk laws, and this has proved effective in stopping minor violations.

The number of licenses granted during the year was 276; 75 of these were granted to milkmen, 163 to proprietors of stores, and 41 to people keeping cows and selling milk from their own premises.

The sum of four hundred and one dollars was collected for license fees.

The collectors of milk samples made a record during the summer months of all store dealers found violating the sanitary milk rules, and these dealers were notified to appear before the board at a regular meeting.

The results of this investigation show that seventy-five cans of milk were found outside of the refrigerator and thirty-seven of these had the stoppers removed.

Seventeen cans were found open in the refrigerator.

The temperature of the milk found outside of the refrigerator was also taken and in nearly every instance was found to be too high, some of it being as high as 70° F.

Although the collectors have taken very many more samples of milk from the milkmen than from the storemen, we find that the majority of samples below standard are from the stores retailing milk from cans.

This should be proof enough that the milk is handled carelessly, and that the consumer is getting a poor quality of milk.

Several new pieces of apparatus have been added to the laboratory this year, among which is a Zeiss Immersion Refractometer, a Stewart Apparatus for Milk Analysis, a Gerber Dirt Filter, and an Electric Babcock Machine.

The immersion refractometer facilitates the measurement of the refractive indices of fluids.

In ordinary practical work the divisions of the scale, as read off in the ocular, give immediately the desired result of measurement.

The process of measurement applies to the examination of various products as to their purity, the analysis of standard solutions, and the rapid and very exact determination of the concentration of solutions.

The addition of water to milk perceptibly affects the degree of refraction of its serum, to such an extent that added water can almost always be detected by the immersion refractometer.

The Stewart apparatus for milk analysis was devised by Dr. A. H. Stewart, of the Bacteriological laboratory, Philadelphia Health department, to facilitate the examination of milk.

Its use renders it easily possible to estimate the percentage of puss cells, bacteria and insoluble matter contained in milk and to reject with little delay unclean and disease producing milk.

The sample of milk is subjected to a powerful centrifugal process and is made to yield practically all such solid impurities in a concen-

trated slime, the examination of which is equivalent to the examination of the total volume of milk from which it is thrown out.

By a microscopical examination of this milk sediment it is possible for us to make a direct count of the leucocytes and bacteria of the sample.

We can test very quickly many samples of milk, determining the general condition of these with respect to sediment and pus, with sufficient accuracy to enable us to approve positively those samples which contain a very small number of bacteria, and to condemn positively those samples which contain an abnormal number of bacteria.

The Gerber Dirt Filter consists essentially of a tapering bottle with the bottom cut off, with a special cap covered with netting that fits over the neck to hold cotton disks or pads.

This is used inverted, the milk poured into the funnel thus formed is filtered through the cotton disks, and in passing through the filter all of the dirt, hair, etc., is retained on the cotton disks so that the amount of dirt and foreign solids may be readily seen.

These disks are then mounted upon cards and numbered so that they may be identified.

A pint of milk is used for each test, therefore one disk may be compared with another and graded as clean milk, slightly dirty, dirty, very dirty and extremely dirty milk.

These results will be very useful in making inspections of the farms where milk is raised and prepared for sale.

The inspector can take with him evidence showing that the milk is not as clean as it should be, look for the cause, and make suggestions as to how it may be remedied.

With our increased facilities for doing laboratory work we hope that much more may be accomplished during the coming year.

Respectfully submitted,

CARL O. SEAMAN,

*Milk Inspector.*

PLUMBING FIXTURES SET.

|   |       |
|---|-------|
| Number of tank water closets.....         | 1,187 |
| sinks .....                               | 738   |
| bathtubs .....                            | 815   |
| washbowls .....                           | 651   |
| washtrays .....                           | 417   |
| urinals .....                             | 15    |
| refrigerators .....                       | 20    |
| slophoppers .....                         | 8     |
| showerbaths .....                         | 30    |
| rain leaders .....                        | 96    |
| Other fixtures not classified above ..... | 31    |
| Total number of fixtures put in.....      | 3,978 |



|  |     |
|--|-----|
| Number of plumbing notices filed.....                        | 465 |
| water tests of soil pipe made.....                           | 772 |
| stacks of soil pipe made.....                                | 807 |
| smoke tests of soil pipe.....                                | 46  |
| defects and leaks found.....                                 | 303 |
| complaints investigated .....                                | 41  |
| fixtures and pipes found unserviceable and<br>repaired ..... | 36  |
| letters written .....  | 26  |

One hundred and fifty-five consultations with owners, tenants, agents, plumbers, etc., were held.

A total of 2,110 inspections were made of the work during its progress and after its completion.

The plumbers of the city have been unusually busy during the year, and it is safe to say that the grade of work done and of materials used, improves each year.

Among the large jobs completed last year was the Coolidge mill of the Amoskeag Manufacturing Co., which contains over one hundred plumbing fixtures.

This job was planned and executed by the engineers and mechanics of the corporation in a very workmanlike and sanitary manner, and the company has reason to be proud of it.

Another large job was the new Hillsborough county jail, with nearly one hundred and fifty plumbing fixtures, making the building as sanitary as any in this part of the country.

The county commissioners should be given credit for providing such a safe and sanitary building for the unfortunates committed to their care.

The Board of Health has ruled that no direct pressure flushing valve shall be used on water closets unless the main water pipe, from the street main to the water closet supplied, is at least one and one quarter inches in diameter throughout its whole length.

This is the only recent change which has been made in the plumbing rules.

Respectfully submitted,

CARL O. SEAMAN,

*Plumbing Inspector.*



## SANITARY INSPECTORS' REPORT.

*Gentlemen of the Board of Health:*

We beg to submit the following as the report of the work of the sanitary inspectors for the year 1910:

|  |       |
|--|-------|
| Vaults and privies inspected.....  | 40    |
| Vaults inspected after cleaning.....   | 16    |
| Waterclosets inspected .....   | 4,129 |
| Urinals inspected .....  | 105   |
| Sinks inspected .....  | 2,636 |
| Yards and alleys inspected.....  | 1,109 |
| Cellars inspected .....  | 2,371 |
| Barns and outbuildings inspected .....                                       | 180   |
| Tenements inspected .....  | 3,143 |
| Barn cellars inspected .....   | 207   |
| Teams and riggings of excavators inspected.....                              | 10    |
| Soaperies and slaughterhouses inspected.....                                 | 29    |
| Vaults and privies ordered cleaned or repaired.....                          | 24    |
| Urinals cleaned or repaired.....   | 36    |
| Yards and alleys cleaned.....  | 377   |
| Cellars cleaned .....  | 526   |
| Barn cellars cleaned .....   | 45    |
| Sheds, etc., cleaned and inspected.....                                      | 100   |
| Tenements cleaned .....  | 68    |
| Waterclosets cleaned or repaired.....  | 1,291 |
| Sinks trapped or repaired.....   | 317   |
| Leaky drainpipes repaired.....   | 82    |
| 15 cesspools were inspected and 11 ordered cleaned.                          |       |
| 101 swill boxes and chutes were inspected and 63 ordered cleaned.            |       |
| Houses within 100 feet of the public sewer and not connected therewith ..... | 18    |
| Filthy hallways and roofs ordered cleaned.....                               | 54    |

Openings other than leaks in the drainage system were found in 33 places and same were ordered closed by the department.

Three hundred and sixty-four bathtubs and washtubs were inspected.

Sewage was found running upon the surface of the ground in 23 places, and such nuisances were abated either by entering the sewer or carrying away in some manner not offensive.

In doing the work of the department it has been necessary to make 6,208 calls and to write 698 letters.

Four hundred and seventy-eight complaints have been investigated.

In 412 cases the inspectors have been able to give relief, and in 66 cases it was found that no cause existed or that same was beyond the control of the department.

Twenty-one complaints were made against the scavenger service; in each case the proper parties were notified and relief afforded.

Eighty-six persons were found throwing garbage in the back streets and were warned against the practice.

Private swill collectors have been warned 70 times to be neater in their work.

Fifty-three dead animals have been properly disposed of.

Eighty-nine hens and small animals have been removed from cellars.

Eighty-one swine and cows have been discovered being kept within the sanitary limits of the city without licenses. The same were ordered removed or licenses procured.

Ten notices have been prepared and served and proper returns made.

Fifty-two catch basins or street cesspools have been inspected, and 25 have been flushed or repaired by order of this department.

A sanitary inspection has been made of 46 bakeshops and 63 stores, and 20 bakeshops have been ordered cleaned. Theaters have been inspected 16 times, circuses 2, and sausage factories 16 times.

Fifteen laundries, 19 factories, 12 restaurants, 26 hotels and boarding-houses, 6 creameries and 2 cemeteries were inspected. Twenty-eight junk dealers were found storing rags and junk without a license, and 4 were arrested.

The dumps have been inspected 32 times; found insanitary 10 times. One hundred and twenty nuisances not otherwise classified have been abated through the efforts of this department.

Permits to the number of 1,527 have been granted for the burial and removal of dead bodies, and the returns forwarded to the city registrar.

A statement of mortality has been prepared each month and copies sent to about 300 other towns and cities, to local physicians, etc.

Weekly reports of contagious diseases have been sent to the State Board of Health at Concord, the Marine Hospital service at Washington, D. C., and to the superintendent of schools, and the city librarian. Samples of water, oysters, and ice cream were sent to the state laboratory for analysis. Eleven hundred and eighty samples of milk were collected.

Contagious and infectious diseases have been reported as follows: Measles, 110; diphtheria, 158; typhoid fever, 30; scarlet fever, 15; membranous croup, 13; smallpox, 0; total, 326.

The inspectors were unable to trace the cause in 161 cases; in 51 cases the connection with some previous case was clearly traceable. Twelve cases were contracted outside of the city, and in two cases it was reasonable to attribute the cause to insanitary surroundings.

In some cases disinfectants were being used and the inspectors ordered their use in other cases. At most of these places instructions were given as to their use, and in many cases the department furnished the disinfectants.

In some cases patients were found well isolated, and in other cases inspectors were obliged to order isolation, and in all cases to give instructions as to the steps to be taken.

Houses were watched to see that the rules of isolation were complied with, and several funerals were attended to prevent a too public observance of the same.

Twelve hundred and forty-five rooms where diseases had existed were fumigated by the inspectors; 317 of these were for tuberculosis.

About 3,000 pamphlets issued by the State Board of Health have been distributed in localities where contagious diseases existed, and 10,000 cards on tuberculosis.

The shores of Lake Massabesic were patrolled by the inspectors on Sundays, holidays, and through the week during the summer season.

Icefields from which ice was being cut were inspected and several picnics and band concerts were attended to prevent the careless disposal of waste and rubbish in the lake or on its shores.

Respectfully submitted,

JOHN F. LOONEY,  
WILLIAM B. BLAKE,  
JOSEPH X. DUVAL,

*Sanitary Inspectors.*



REPORT  
OF THE  
SUPERINTENDENT OF SCHOOLS.

IN BOARD OF SCHOOL COMMITTEE.

DECEMBER 30, 1910.

The Superintendent presented his annual report to the committee, and it was accepted.

*Voted,* That the report by the superintendent be accepted and adopted as the report of the board, and that it be transmitted to the city councils for publication in the annual City Report.

HARRY L. DAVIS,

*Clerk.*



# SCHOOL DEPARTMENT.

## Organization, 1910.

### SCHOOL COMMITTEE.

EUGENE E. REED, 636 Somerville street. *Mayor, ex officio Chairman.*

JAMES B. FITCH, 735 Chestnut street,

*President Common Council, ex officio.*

EDWARD B. WOODBURY,

*Vice-Chairman of the Board.*

HARRY L. DAVIS,

*Clerk of the Board.*

WARD 1. Joseph W. Abbott, 1480 Elm street.

Sumner M. Patten, 3 Canal street.

WARD 2. George M. Davis, 156 Orange street.

Allan M. Wilson, 293 Myrtle street.

WARD 3. Frank L. Downs, 108 Ash street.

Thomas Chalmers, 590 Beech street.

WARD 4. William A. Phinney, 450 Manchester street.

Edward P. Morrill, 296 Laurel street.

WARD 5. John F. Lee, 224 Central street.

Joseph P. Devine, 267 Chestnut street.

WARD 6. Harry L. Davis, 552 East Spruce street.

G. Waldo Browne, 329 Massabesic street.

WARD 7. Edward B. Woodbury, 1 Pleasant street.

Albert W. Thompson, Franklin, corner West Merrimack St.

WARD 8. Walter B. Mitchell, 178 Milford street.

Frank A. Cadwell, 142 Douglas street.

WARD 9. Aime Martel, 350 Bartlett street.

Antoine Menard, 270 Coolidge avenue.

WARD 10. Francis X. Lyons, Goffe's Falls.

John H. Rice, 191 Jewett street.

### SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

Residence, 1077 Union street. Office, City Hall building.

### SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

Residence, 277 Laurel street.

## TRUANT OFFICER.

CURTIS W. DAVIS.

Residence, 849 Chestnut street.

## STANDING COMMITTEES.

*Finance.*—Mayor Reed, Messrs. Fitch, H. L. Davis, Woodbury, and Cadwell.

*Text-Books.*—Messrs. Wilson, Mitchell, and Woodbury.

*Music.*—Messrs. Lyons, Browne, and Abbott.

*Drawing.*—Messrs. Thompson, Patten, and Martel.

*Manual Training.*—Messrs. Rice, Thompson, and Cadwell.

*Examination of Teachers.*—Messrs. Chalmers, Lyons, and G. M. Davis.

*Fuel.*—Mr. Phinney, Mayor Reed, Messrs. Fitch, Lee, and Menard.

*Repairs.*—Messrs. Rice, Downs, and Thompson.

*Attendance.*—Messrs. Morrill, Abbott, and Wilson.

*Health.*—Messrs. G. M. Davis, Mitchell, and Devine.

## SUBCOMMITTEES.

*High.*—Messrs. Wilson, Downs, Mitchell, G. M. Davis, and Chalmers.

*Amoskeag.*—Messrs. Martel, Wilson, and G. M. Davis.

*Ash-street and Webster's Mills.*—Messrs. Downs, Thompson, and Devine.

*Bakersville and Mosquito Pond.*—Messrs. Lyons, Phinney, and Patten.

*Chandler.*—Messrs. Lee, Woodbury, and Cadwell.

*Franklin-street.*—Messrs. Woodbury, H. L. Davis, and Lee.

*Goffe's Falls and Highland.*—Messrs. Devine, Cadwell, and Lyons.

*Hallsville and Harvey.*—Messrs. H. L. Davis, Rice, and Menard.

*Lincoln-street and Youngsville.*—Messrs. G. M. Davis, Lee, and Rice.

*Main-street.*—Messrs. Mitchell, Chalmers, and Browne.

*Merrimack-street.*—Messrs. Abbott, Devine and Phinney.

*Parker.*—Messrs. Chalmers, G. M. Davis, and Martel.

*Pearl-street.*—Messrs. Morrill, Menard, and Downs.

*Rimmon.*—Messrs. Menard, Abbott, and Wilson.

*Spring-street.*—Messrs. Patten, Browne, and Woodbury.

*Straw.*—Messrs. Thompson, Patten, and Chalmers.

*Varney.*—Messrs. Cadwell, Lyons, and Abbott.

*Webster-street and Stark.*—Messrs. Phinney, Mitchell, and Thompson.

*Wilson.*—Messrs. Browne, Martel, and Morrill.

*Kindergartens.*—Messrs. Rice, Downs, and Mitchell.

*Evening Schools.*—Messrs. Lee, Morrill, and H. L. Davis.

# SUPERINTENDENT'S REPORT.

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*To the School Board, the City Councils, and the Citizens of Manchester:*

The following is presented as the sixty-fourth report of the school department of the city. It is the fifty-fifth report of a superintendent, the eleventh of the present officer, and covers the school year from July 15, 1909, to July 15, 1910.

## THE YEAR'S WORK.

The notable achievements of the year have been the inauguration of a system of medical inspection for all of the schools of the city; the creation of a new course of study reducing the years of the elementary course from nine to eight; the creation of a permanently elected, salaried corps of substitute teachers who devote their entire time to teaching in the schools; the increase in the force of janitors, giving a janitor for practically every building; the creation of the office of schoolhouse agent for the purpose of securing efficiency and economy among janitors, the reconstruction of the course of study for the manual training school; two additions to school buildings, the Bakersville and Rimmon, to provide needed sittings for pupils, and the opening of school yards as playgrounds for children of the various districts.

## MEDICAL INSPECTION.

In accordance with a recommendation of the committee upon health, the school board one year ago petitioned the board of health to undertake the medical inspection and supervision of all school children in the city. An appropriation for this purpose was granted to the Board of Health by the city council at the beginning of 1910. The systematic inspection was begun during the term just passed.

The Board of Health selected a corps of six physicians and apportioned the various schools among these in such a manner as to give each physician approximately one sixth of the school children of the city. The work was inaugurated and has continued according to the following rules promulgated by the Board of Health.

## RULES GOVERNING MEDICAL INSPECTION OF SCHOOLS.

1. The medical inspection of all schools in the city of Manchester shall be under the direction of the Board of Health, who shall employ the inspectors, fix the compensation and term of service.

2. All the schools of the city shall be divided into districts and a school physician assigned to each district, with the title of Medical Inspector.

3. Each medical inspector, within the first two weeks of each term, shall inspect each school building in his district relative to the sanitary conditions of heating, lighting, ventilation and drainage; and shall examine every teacher, janitor and pupil in each school to which he is assigned for evidences of vaccination, contagious disease and other bodily or mental defects which may endanger the health of others and make a special report therefor. He shall also during the month of June, at least one week before the annual election of public schoolteachers, furnish each such teacher with a health certificate upon a blank provided by the school board.

4. The medical inspector shall visit each of the schools in his district at least once each week, and in case of contagious disease or other emergency, shall make such other visits as are in his opinion necessary. He shall also visit the school whenever the principal notifies him that his presence is desired.

5. Pupils affected with the following diseases shall be excluded from the schools without delay and the patients sent to their homes; viz.: measles, diphtheria, scarlet fever, whooping cough, mumps, smallpox, chickenpox, tuberculosis; any acute catarrhal affections of the eyes, ears, nose or throat, and when so excluded such pupils shall be furnished with a card stating the reason for the same, made out by the inspector, sealed in an envelope and directed to the pupil's parent or guardian.

6. For defects of vision or hearing, adenoids, pediculosis, eczema, herpes, scabies, decayed teeth or tonsilitis, the medical inspector shall notify parents or guardians by card in sealed envelope taken by the pupil, and recommend that treatment be procured.

7. At the request of the superintendent of schools or of a truant officer, the medical inspector shall visit at home a pupil alleged to be sick, to determine whether the pupil be really ill, and if so whether the disease is one requiring action on the part of the school committee or Board of Health.

8. Teachers shall refer to the medical inspector every child showing evidence of ill health, and as far as practicable every child returning to school after an absence on account of sickness or from unknown cause, unless such child returns by permission of the Board of Health.

9. The medical inspector shall not prescribe for pupils except for pediculosis, nor shall he advise as to the choice of a physician except to suggest that the family physician be consulted.

10. Each medical inspector shall make a report to the Board of Health on the Saturday before the last Tuesday of each month, on

blanks furnished for the purpose, of the number of pupils examined; the number of negatives; the number excluded; the number recommended for treatment or special adjustment of work; the diagnosis of excluded or recommended cases, copies of which shall be filed with the superintendent of schools or other person in authority.

The reports of the medical inspectors have not as yet been tabulated, and no authoritative statement can be made at the present time in regard to the good accomplished by the inspection. Numerous cases of pediculosis, adenoids and skin disease have, however, been found and some operations have been performed in consequence of the inspection.

Medical inspection is productive of great good through the discovery and curing of diseases and physical defects. It may be equally productive of good by fostering more healthful conditions in the schoolroom and by inculcating hygienic habits of life.

#### TEETH.

We are told that ninety percent of adults and sixty percent of children have defective teeth. Professor Osler has said that in his opinion more physical deterioration is produced by defective teeth than by alcohol. The mouth is the gateway to the stomach. In it takes place the first step in the digestion of food, i. e., its reduction to a semifluid, finely separated mass through the action of chewing and mingling with the saliva. The failure of this process throws undue work upon all the other organs of digestion. Malnutrition and a lowered vitality may be the result of defective mastication. With a well-cared for mouth the liability to tuberculosis, pneumonia, diphtheria and certain other diseases is lessened.

It is to be expected that the report of the medical inspectors will show a large proportion of children with defective teeth. These defects will be reported to parents and a certain small percent will be remedied.

The experience of other municipalities at home and abroad has shown that it is profitable to attend to the teeth of pupils at public expense, "That the cost of keeping the teeth in order is more than compensated for by better health, that the child becomes physically stronger, secures a higher average in his studies, is easier to control and is apparently happier, and that time is thereby saved to the school."

I recommend that the school board devise a plan whereby free dental work, or work at a greatly reduced rate, may be provided for such children as need the same and are unable to secure it.

In general: The adequate medical supervision of the schools must include a systematic study of the health of the pupils on the part of the teacher. School efficiency is directly in the ratio of health effi-



ciency. The teacher should observe and record for the medical officer's inspection the condition of sight and hearing of the child, judge of his nutrition, the character of his motions, voice, postures, gait, etc. In short, should make a close physical study and record of each pupil. The placing of this duty upon the teacher's shoulders will be of incalculable advantage to herself as well as to the pupil. It will give complete information about the child and cause the work of teaching to be done in the fullest knowledge of the causes of the mental states so far as these are induced by physical conditions. It is necessary for the teacher to follow up the cases found by the medical inspectors that they may not be lost sight of and that a proper record of the same may be kept.

Principals and teachers have been directed to coöperate with the medical inspectors in every way possible to further the ends of the inspection.

#### COURSE OF STUDY.

A special committee, as provided by the rules of the board, was appointed upon April 2, 1909, to revise the course of study. The committee proceeded with its work and had ready a course of study for the elementary schools to be presented to the board at the beginning of the present calendar year. At the special meeting of December 28 the committee was authorized to print its report upon the basis of eight years. The course was revised and presented to the board at the April meeting for its action. At a special meeting on the evening of April 6, the report with an amendment in regard to the admission of pupils to the high school was adopted.

The new course provides for the admission of pupils to the primary school at the age of six years. An amendment to the rules of the board presented at the September meeting proposing to so change the rules as to conform to the previously adopted course of study was defeated. As a result beginners were received in September last from the age of four years and eleven months up. A large proportion of these pupils, perhaps seventy percent, may be expected to require nine years to complete the elementary course. We may expect that the percentage of retardation in the grades will be materially increased by this action. Should this increase not occur we may expect that the high school will receive an unusually large number of pupils under the age of fourteen years.

The new course of study lays out the work for the grades topically and quite definitely. The change from nine to eight years rendered necessary the elimination of two of the old classes. This provided an opportunity for a reclassification of the pupils upon the ground of ability.

No pupil has been held back by the change. Every pupil entering



previous to the present year was expected, normally, to complete the course in nine years. Pupils continued work from the point where they left off in June with in some cases a brief review and this chiefly in a rereading of some books. In some cases double work has been done and pupils have gained a half year, in a very few cases a year, thereby. The chief burden entailed has been in the third and fourth grades, where during the present year three half years of work in elementary geography will be done instead of two. The placing of a half year of oral work in this study in the second grade has proved a wise measure, materially enriching its work.

The provisional course has fitted conditions better than was to be expected and so far as now known few changes will be necessary to put the course in permanent form.

#### SUBSTITUTE TEACHERS.

The election of a permanent corps of six substitute teachers has enabled overcrowded schools to be at once cared for and has provided additional teachers for non-English-speaking pupils.

The design of the rule creating this corps was, in addition to supplying occasional vacancies among the regular teachers, to provide extra teachers in such buildings as needed the same to work with both backward and ambitious pupils in order that the first might keep up with their work and that the second might gain time in completing the course. This last is, it seems to me, a sufficient reason for the creation of the substitute list.

The demand for additional teachers has been so great that no individual work has been done in any school by these substitutes, and occasional absences among the regular teachers have been filled not by the elected substitutes, all of whom are doing practically permanent work, but by others as provided by the rules.

For the full accomplishment of the purpose of the rules, this substitute list should be increased to nine at least.

#### SCHOOLHOUSE AGENT AND JANITORS.

The school buildings in cleanliness, attractiveness and hygienic condition should be models for every child attending school. The change in the rules providing more janitors and creating the office of schoolhouse agent is a step to bring more nearly to practical realization this state of things.

The presence of janitors during school hours at the school buildings to perform minor duties for the teachers, to make small repairs and to maintain a general oversight of the property is much appreciated by the teachers.

The study of the various heating systems by the schoolhouse agent should result ultimately in a standardized system of heating for all of the school buildings, one that will secure proper ventilation, adequate heat and the consumption of a minimum quantity of fuel. The general criticism upon the temperature of rooms is not that it is too low but that it is too high, and this high temperature coupled with foul air is fatal to the best mental efforts of both pupils and teachers.

The abolition of dusters and the use of cloths in their stead in the schoolrooms will meet the hearty approval of all. The more nearly possible it becomes to have dustless schoolrooms the less is there liability to the spread of contagious and infectious diseases. The ability of the present agent in his line of work is a guarantee of what may be accomplished by the new rule.

#### BAKERSVILLE AND RIMMON ADDITIONS.

The common council of the city appropriated \$7,500 for an addition to the Bakersville school and a like amount for an addition to the Rimmon building. With these sums two-room additions to both buildings have been constructed, giving in the case of the first, sittings for ninety-six pupils, and in that of the second, sittings for eighty-four pupils.

The two rooms on the third floor at Bakersville have been discontinued, but any further increase in the pupils of that district will necessitate the use of one of these.

The rooms are well lighted and well ventilated and their average cost, \$3,750 per room, is considerably less than the cost of similar rooms in new buildings. The seats in both additions are fully occupied.

#### ENROLLMENT AND ATTENDANCE.

The total registration in all the schools of the city, exclusive of duplicates, has been for the year 6,521. These pupils have been classified as follows: 625 of high school grade, 1,627 of grammar school grade, 1,240 of middle school grade, 2,711 of primary school grade, 88 ungraded, and 230 of kindergarten grade.

The registration exceeds that of the preceding year by 130.

The average membership has been 5,541, the average daily attendance 5,100. These figures exceed those for the preceding year by 204 and 164 respectively, and are the largest in the history of the public schools.

The percentage of attendance has been 90.2.

The number of tardinesses has been 9,156, the average per pupil being 1.65. For the preceding year the average was 1.51 per pupil. The number of pupils not absent or tardy has been 244. The following list shows the total number of tardinesses for, together with the average membership of, each building.

TABLE I.

| SCHOOLS.               | Average Membership. | Tardinesses. |
|------------------------|---------------------|--------------|
| High .....             | 589                 | 2,614        |
| Amoskeag .....         | 124                 | 130          |
| Ash-street .....       | 323                 | 302          |
| Bakersville .....      | 241                 | 192          |
| Chandler .....         | 269                 | 114          |
| Franklin-street .....  | 262                 | 488          |
| Goffe's Falls .....    | 66                  | 256          |
| Hallsville .....       | 414                 | 956          |
| Highland .....         | 60                  | 108          |
| Lincoln-street .....   | 332                 | 346          |
| Main-street .....      | 322                 | 229          |
| Merrimack-street ..... | 193                 | 690          |
| Parker .....           | 265                 | 254          |
| Pearl-street .....     | 184                 | 117          |
| Rimmon .....           | 226                 | 525          |
| Spring-street .....    | 237                 | 323          |
| Straw .....            | 254                 | 79           |
| Varney .....           | 325                 | 298          |
| Webster-street .....   | 276                 | 227          |
| Wilson .....           | 345                 | 273          |
| Youngsville .....      | 61                  | 98           |
| Ungraded .....         | 77                  | 532          |
| Kindergartens .....    | 146                 | .....        |
| Totals .....           | 5,541               | 9,156        |

The Ash-street, Bakersville, Chandler, Main-street, Parker, Pearl-street, Straw, Varney, Webster-street, and Wilson schools have averaged less than one tardiness per pupil for the year. The Straw school again stands first in punctuality.

## CHANGES AND TRANSFERS.

The following teachers have severed their connection with the schools during the past year: Miss Bessie Adams of the high school, Miss May Woodcock of the Amoskeag school, Miss Nettie M. Baker of

the Webster-street, Miss Gertrude Pyne of the Goffe's Falls and Highland schools, Miss Elizabeth Robertson and Miss M. Emma Roberts of the Lincoln-street school, Miss Gertrude Brooks of the Straw school, Miss Rebecca Grant of the Rimmon school, Miss Mary Walsh of the Varney school, Miss Bertha Kemp of the Hallsville school, Miss Clydie M. Flanders of the Merrimack-street school, Miss Blanche M. Folsom of the Parker school, and Miss Marion Clough of the Straw kindergarten.

The vacancies created by these resignations have been filled by the election of some new teachers and by the transfer of others already members of the teaching force.

At the high school, Miss Anne G. Towle was elected to the vacancy caused by the death of Miss Annie W. Colby, whose obituary was published in the last report of this body; Miss Mildred Fritz was elected to succeed Miss Adams, and Mr. Norris D. Blake was employed as an additional teacher in the business department.

At the Amoskeag school, Miss Mildred Morey, transferred from the Stark district, was made primary teacher in the school made vacant by the resignation of Miss Woodcock. The vacancy at the Stark was filled by the election of Miss Jennie Bowden.

At the Webster-street school, Miss Lillian Whitney of the Franklin-street was elected to the vacancy caused by the resignation of Miss Baker, Miss Whitney's place being taken by the election of Miss Frances Barndollar.

Miss Elizabeth McKelvie was elected assistant at the Goffe's Falls and Highland schools vice Miss Gertrude Pyne.

At the Lincoln-street school, the vacancies caused by the resignations of Misses Robertson and Roberts were filled by the transfers of Miss Gertrude Adams from the Varney school and Miss Josephine Paige from the Franklin-street school. The vacancy caused by Miss Adams' transfer was filled by the transfer of Miss Bertha Marden of the Amoskeag school, this last vacancy being filled by the election of Miss Annie O'Donoghue. The vacancy caused by Miss Paige's transfer was filled by the promotion of Miss Mary Morrow from the next lower grade and the election of Miss Hattie Read to teach the school formerly taught by Miss Morrow.

At the Straw school, Miss Maude Willand, transferred from the Rimmon, succeeded Miss Gertrude Brooks. Miss Willand's place being taken by Miss Louise Bryson.

At the Rimmon school, Miss Sarah Hodgman was elected to the vacancy created by the resignation of Miss Grant.

At the Varney school, Miss Mary Trinity was elected to the vacancy caused by the resignation of Miss Walsh.

Miss Marion Smith was elected to succeed Miss Bertha Kemp of the Hallsville school, and Miss Hazel Porter to succeed Miss Flanders of



the Merrimack-street school. Miss Ethel Bartlett was transferred from the Webster's Mills school to the vacancy created by the resignation of Miss Folsom, Miss Bartlett's school being taken by Miss Phoebe Riley. Miss Hazel Dustin was elected assistant at the Straw kindergarten to succeed Miss Marion Clough.

#### ACCOMMODATIONS.

Notwithstanding the fact that the capacity of the Rimmon building was increased by seventy-two sittings during the past summer, there would still be twenty pupils without seats were all registered in the school to be present on any one day. The number of seats normally belonging to the building is two hundred and sixty-four. The registration for the month of November was two hundred and eighty-four. The principal conducts his classes in an anteroom on the second floor. Fifty pupils are registered in one non-English-speaking class. The appearance of these pupils at school is the cause of the present congestion. It appears that there is urgent need of more room. The need may be met in three ways: first, by the construction of another two-room addition to the building; second, by the purchase of a portable schoolhouse; third, by hiring a room outside of the present building and transferring thereto the special class of fifty.

The first I believe to be the best solution of the problem and I recommend that this board request of the city council a sum sufficient to add two rooms to the present Rimmon building.

The annual report for 1909 set forth briefly the needs of the district served by the Merrimack-street school. The conditions have grown worse rather than better during the year. There are now in the building two hundred and twenty-seven pupils, fifty-six of whom are in special classes. The number of teachers employed is seven. So far as the number of pupils is concerned the work might be done easily by five teachers. The present waste because of insufficient room is at the rate of \$800 per year. In this district the fluctuation in attendance is greater than in any other and accordingly there is need of flexibility in the matter of rooms.

Judging the future by the past, conditions will become such that it will be impossible to house the pupils to say nothing of the cost involved in hiring separate teachers for the small anterooms of the building.

Six commodious rooms are needed in this district together with baths and an opportunity to provide food for certain pupils. I recommend that the board present the needs of this district to the city council for its action.

The Highland school building was completed and occupied in January, 1903. The building is a four-room structure, the second floor of which is unfinished. For more than two years a teacher has devoted

one half of her time to assisting in this school. The number of classes and the number of pupils at the present time warrant the finishing of the two rooms upon the second floor, and I recommend that an appropriation for that purpose be included in the budget for school purposes soon to be presented to the council.

The Youngville school, opened late in the fall of 1909, has a capacity of ninety-six seats. It covers the work of all the grades. There are two rooms in the building. The lower is of primary grade. Because of the number of classes thus thrown into the grammar room it has become necessary to employ an assistant teacher. This assistant conducts her classes in the hallway.

This section of the city is a growing one. The near future, if the present rate of increase continues, will see a dearth of sittings in this school.

#### HIGH SCHOOL.

This board one year ago voted to ask of the city council an appropriation for the purpose of building an addition to the high school. It was stated at that time that the building was filled to its normal capacity. The present membership is six hundred and thirty-six, twenty-five greater than one year ago. It is the part of wisdom to plan for the future when the needs of the future can be plainly seen. Manchester is a city of seventy thousand population. It should have at least twelve hundred students in its high school. It will have more than it has at present. I recommend that an appropriation be requested for the purpose of securing additional high school accommodations.

In the high school course of study drawing is optional. The course covers two years, the first and second, with one period of work each week. No credit towards a diploma is allowed for the work done. A pupil desiring to enter a technical school must receive outside instruction. I believe that the best interests of the city will be subserved by placing mechanical drawing upon a par with the other subjects and allowing it to count toward a diploma. I recommend that a course in mechanical drawing covering four years with five periods per week be offered in the high school course of study.

I am in receipt of a communication from Mr. Abbott, supervisor of music, in relation to music in the high school course. I am heartily in accord with the ideas expressed and give below the letter.

MANCHESTER, N. H., December 23, 1910.

*Mr. Charles W. Bickford, Superintendent of Schools:*

MY DEAR MR. BICKFORD:—I recommend most earnestly that at the earliest possible date the following courses in music may be made a part of the regular high school curriculum.



## COURSE I.

## MUSIC APPRECIATION.

Through this course students become familiar with the representative works of the master musicians. A love for good music is cultivated and through repeated hearing the student learns to know and to appreciate the best things in music as, in the English classes, he learns to appreciate the best in English literature.

For this course an automatic piano player is a necessity and one of the best Victor talking machines is of the greatest value. Every student should be required to take this course.

## COURSE II.

## APPLIED MUSIC.

For students of singing, pianoforte, organ and instruments of the symphonic orchestra. Students of this course, which is elective and accredited, pursue study with private teachers, at their own expense outside of school hours.

## COURSE III.

## THEORETICAL.

Designed to prepare students for college entrance examinations in music. Elective and accredited. This is also of especial interest and help to those who intend to make music, in some form, a lifework but are not planning to attend college.

Respectfully submitted,

A. J. ABBOTT.

## MANUAL TRAINING SCHOOL.

The time has arrived when the educational value of manual training, with proper courses, is not to be questioned. Our school, established in 1893, has had a steady and uniform growth. Designed originally for pupils of the eighth and ninth years, there have been annually among its students classes of high school pupils varying in number from eleven to thirty-five. The attendance for the fall term in 1900 was two hundred and thirty-seven, the present attendance is three hundred and seventy-six. The corps of instructors has been increased during the past year by one, a special teacher of drawing, and now numbers four. The school is well equipped except as to benches and has reached a point of excellence never before attained by it. The benches at present in the school have been in use seventeen years. It is possible to replace them at a cost of eleven dollars per bench, and I recommend that an appropriation of \$345 be included in the estimate of expenses for the coming year for this purpose.

The course has been remodeled by the principal, retaining the application of principles formerly taught, but placing emphasis not so

much upon the principles themselves as upon their application. The purpose of this revision has been to provide better and stronger incentives. Each piece of work possesses either the quality of utility or that of beauty, or it possesses both. The schedule of problems in the revised course is here given:

1. Sandpaper block.
2. Bench hook.
3. Plant stand.
4. Keyboard.
5. Box (square joints), four compartments.
6. Thread box (lap joints), holds two dozen spools.
7. Small bracket shelf (blank model, pupil to work out design).
8. Photograph frame (mitered joints).
9. Bread board.
10. Match safe (wood back, front, craftsman's copper or brass).
11. Problem in dove-tailing (practice piece).
12. Handkerchief box (dove-tailed corners, hinges and lock.)

*Supplementary.*

Waste basket (hexagonal or octagonal).  
 Boot-blackening set or stand.  
 Towel rack.  
 Sleeve ironing board.  
 Calendar and thermometer pad.  
 Letter box.  
 Diploma frame.  
 Umbrella stand.  
 Necktie box.  
 Plantstand (various forms).  
 Paper rack.  
 Magazine rack.  
 Platerack.  
 Glovebox.  
 Toilet glass.  
 Photoholder.  
 Desk.  
 Small tables.  
 Library and study tables.  
 Clocks.  
 Checker and chess boards.  
 Handglass.  
 Footrest.  
 Medicine and bathroom cabinets (two models).  
 Desk blotters.  
 Watch stands.

Book steps, shelves and cases (three models).  
 Book rack (extension model).  
 Coat and hat racks (two models).  
 Taborets (three models).  
 Shelf bracket and shelf.  
 Photograph frame (oval).  
 Crumb tray.

*Turning.*

Cylinder, square and V grooves.  
 Beads, fillets and hollows.  
 Card plates and receivers, plain and inlaid.  
 Thread box with needle cushion.  
 Boxes of different sizes and for different uses.  
 Napkin rings.  
 Inkwell holders.

The older pupils are urged and encouraged to work out problems of their own and are not necessarily confined to those provided by the school.

The work is individual. Talks are given upon different woods, their uses and habitats, also upon the uses of the various tools and the principles involved in their construction.

The need of a new building to house this school has long been recognized by those familiar with the present structure. The rooms are crowded, those on the lower floor being dark and poorly ventilated. The school report for 1907 stated that money was needed to repair the structure. Question has been raised as to its safety. In view of the large number of pupils attending the school, the importance of the work and the desirability of providing courses in mechanical drawing for the high school pupils, this board should take some action towards replacing the present structure.

The school requires much more room. The needs of the present and of a number of years to come would be met by a plain, two-storied building, of mill construction, covering nearly the entire lot occupied at present. Such a building would give about 12,000 feet of floor space, more than three times that of the present building, provide an ample, well-lighted draughting room, plenty of bench room, and an opportunity for the better placing of the machinery at present in use. The basement would afford an opportunity for forge work. With such a building the present crowded condition of the high school could be somewhat relieved by providing a mechanic arts course, thus placing a portion of the high school pupils in the manual training school for a portion of each day. I have sought advice as to the cost of such a building and am informed that it would approximate \$18,000. I urge this matter upon your attention.

## RESUME OF TEN YEARS.

It has been customary at intervals of a few years to present statistics in regard to the cost of schools and their increase. There is given below a table, No. 2, showing the total amount expended, amount expended for free text-books, the average number of pupils, the cost per pupil for all purposes, the cost per pupil for free text-books, and the rate of taxation for all school purposes for each of the past ten years.

TABLE II.

Showing the total amount expended, the amount expended for free text-books, the average number of pupils, the total cost per pupil for all purposes, the cost per pupil for free text-books and the rate of taxation for school purposes for the years 1900-10 inclusive.

| YEAR.     | Total expended.* | Amount expended for text-books. | Average number of pupils. | Total cost per pupil. | Cost per pupil for text-books. | Rate.† |
|-----------|------------------|---------------------------------|---------------------------|-----------------------|--------------------------------|--------|
| 1900..... | 123,187.08       | 5,016.16                        | 4,388                     | 28.07                 | 1.14                           | .0036  |
| 1901..... | 129,253.87       | 5,000.00                        | 4,552                     | 28.39                 | 1.09                           | .0038  |
| 1902..... | 136,461.16       | 6,160.77                        | 4,876                     | 27.98                 | 1.26                           | .0039  |
| 1903..... | 142,856.40       | 5,822.32                        | 4,774                     | 29.92                 | 1.21                           | .0042  |
| 1904..... | 144,447.39       | 6,489.11                        | 4,889                     | 29.54                 | 1.32                           | .0042  |
| 1905..... | 148,222.00       | 7,168.26                        | 4,817                     | 30.77                 | 1.48                           | .0041  |
| 1906..... | 149,269.96       | 7,135.92                        | 4,907                     | 30.41                 | 1.45                           | .0040  |
| 1907..... | 149,888.60       | 7,180.73                        | 4,995                     | 30.00                 | 1.43                           | .0039  |
| 1908..... | 157,438.67       | 7,147.02                        | 5,163                     | 30.49                 | 1.38                           | .0046  |
| 1909..... | 159,769.54       | 7,125.29                        | 5,337                     | 29.93                 | 1.33                           | .0043  |
| 1910..... | 166,218.91       | 7,185.99                        | 5,541                     | 30.00                 | 1.29                           | .0045  |

Another table, No. 3, is given showing the increase in schools, teachers, pupils, etc., for the same period of time.

\*Exclusive of appropriations for new buildings, additions, and permanent improvements in 1907, 1908, 1909, 1910.

†For all purposes.

TABLE III.

| YEAR.     | Average number of schools. | Average number of teachers. | Graduated from grammar schools. | Entered high schools. | Graduated from High school. | Average membership High school. |
|-----------|----------------------------|-----------------------------|---------------------------------|-----------------------|-----------------------------|---------------------------------|
| 1900..... | 126                        | 135                         | 225                             | 152                   | 72                          | 380                             |
| 1909..... | 146                        | 166                         | 286                             | 198                   | 107                         | 544                             |

From the above two tables it will be seen that the expenditures have increased practically twenty-three percent, the membership twenty-one percent, the cost per pupil six percent, the number of schools fifteen percent, the number of teachers twenty-three percent, the number of grammar school graduates twenty-seven percent, the number entering the high school thirty percent, the number graduating from the high school forty-eight percent, the average membership of the High school forty-three percent.

The average cost per pupil for all schools for the ten years has been \$29.55. The average cost per pupil for textbooks and supplies has been \$1.31. The average for the preceding ten years was \$1.25. These outlays are moderate.

The total expenditures and the number of pupils have increased by the same percentage and this percentage is greater by two than the increase in pupils. The opening of four kindergartens with their assistant teachers will account for the greater percentage of growth in the teaching force.

During the ten years the salaries of women teachers have been advanced by eleven percent. It would then appear that economies have been practiced in items of expenditure other than the salary item.

It costs the city, on the basis of last year's expenditures, to give one pupil schooling for one day in the

|                             |           |
|-----------------------------|-----------|
| High school .....           | 26½ cents |
| Elementary schools .....    | 13½ "     |
| Evening common schools..... | 8¾ "      |
| Evening drawing school..... | 13½ "     |

Additional sittings have been provided for pupils as follows:

|                                 |     |
|---------------------------------|-----|
| 1903, Highland school.....      | 96  |
| 1904, Goffe's Falls school..... | 72  |
| 1906, Chandler school .....     | 392 |
| 1908, Hallsville school .....   | 192 |
| 1909, Youngsville school .....  | 45  |

|                                |            |
|--------------------------------|------------|
| 1910, Bakersville school ..... | 96         |
| 1910, Rimmon school .....      | 72         |
| Total .....                    | <u>965</u> |

The average membership has increased up to the present time by 1,153 pupils. The provision of sittings has not kept pace with the numerical increase in the schools.

In the appendix will be found a table showing the appropriations and expenditures for eleven years. A similar table is to be found in the report for 1900.

#### RETARDATION.

The annual report for 1909 treated the matter of failures in the grades to the extent of publishing two tables showing the number of pupils failing each year, in each school, at the January and June promotions. Similar tables are published in the present report.





TABLE V—

| SCHOOLS                     | No. of beginners<br>January, 1910 | 1st year | Not promoted | 2d year | Not promoted | 3d year | Not promoted | 4th year |
|-----------------------------|-----------------------------------|----------|--------------|---------|--------------|---------|--------------|----------|
| Amoskeag . . . . .          | 6                                 | 30       | 11           | 22      | 2            | 14      | 1            | 10       |
| Ash-street . . . . .        | 4                                 | 23       | 2            | 31      | 1            | 26      |              | 12       |
| Bakersville . . . . .       | 6                                 | 35       | 8            | 40      | 8            | 34      | 3            | 29       |
| Chandler . . . . .          | 7                                 | 84       | 19           | 37      | 2            | 29      |              | 40       |
| Franklin-street . . . . .   | 8                                 | 31       | 9            | 29      | 2            | 23      | 2            | 23       |
| Goffe's Falls . . . . .     | 2                                 | 11       | 2            | 7       |              | 5       | 1            | 8        |
| Hallsville . . . . .        | 9                                 | 67       | 26           | 60      | 4            | 52      |              | 40       |
| Highland . . . . .          | 7                                 | 12       | 6            | 4       |              |         |              | 18       |
| Lincoln-street . . . . .    | 7                                 | 44       | 11           | 27      | 4            | 14      |              | 34       |
| Main-street . . . . .       | 12                                | 59       | 1            | 52      | 3            | 79      | 8            | 45       |
| Merrimack-street* . . . . . | 14                                | 94       | 42           | 26      |              | 25      |              | 22       |
| Parker . . . . .            | 5                                 | 60       | 6            | 43      | 1            | 39      | 3            | 27       |
| Pearl-street . . . . .      | 8                                 | 33       | 5            | 31      | 1            | 22      |              | 25       |
| Rimmon* . . . . .           | 9                                 | 44       | 16           | 21      | 1            | 23      | 1            | 22       |
| Spring-street* . . . . .    | 7                                 | 67       | 16           | 13      |              | 24      |              | 23       |
| Straw . . . . .             | 9                                 | 36       | 8            | 30      |              | 24      | 3            | 32       |
| Varney . . . . .            | 10                                | 51       | 31           | 38      | 6            | 36      |              | 23       |
| Webster-street . . . . .    | 11                                | 33       | 14           | 29      |              | 32      | 2            | 26       |
| Wilson . . . . .            | 10                                | 46       | 5            | 38      | 2            | 38      | 1            | 48       |
| Youngsville . . . . .       | 3                                 | 19       |              | 11      | 2            | 11      |              |          |
| Harvey . . . . .            | 1                                 | 4        | 1            |         |              |         |              | 9        |
| Mosquito Pond . . . . .     | 0                                 | 7        |              | 7       |              |         |              | 7        |
| Stark . . . . .             | 0                                 | 1        | 1            | 8       |              | 1       | 1            | 5        |
| Webster's Mills . . . . .   | 0                                 |          |              | 1       |              | 3       |              |          |
| Total . . . . .             | 155                               | 891      | 240          | 605     | 39           | 559     | 26           | 533      |
| Percentage . . . . .        |                                   |          | 27+          |         | 6+           |         | 5-           |          |

\* Special Classes, Merrimack-street.. 26  
 " " Rimmon . . . . . 19  
 " " Spring-street . . . . . 61 } Not included above.  
 106

June, 1910, promotion.

| Not promoted | 5th year | Not promoted | 6th year | Not promoted | 7th year | Not promoted | 8th year | Not promoted | 9th year | Not promoted | Total, half year | Total failures | Year            |              |
|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|------------------|----------------|-----------------|--------------|
|              |          |              |          |              |          |              |          |              |          |              |                  |                | Doubly promoted | Failed twice |
| 2            | 7        | 1            | 20       | 2            | 6        | 1            | 4        |              | 9        |              | 122              | 20             | 6               | 7            |
| 3            | 31       | 5            | 39       | 7            | 62       | 2            | 54       | 1            | 44       |              | 322              | 21             | 18              | 7            |
| 1            | 25       |              | 25       |              | 13       |              | 22       |              | 10       |              | 233              | 20             |                 | 5            |
|              | 36       |              | 37       | 13           | 15       | 1            |          |              |          |              | 278              | 35             | 49              | 8            |
| 3            | 28       |              | 34       | 3            | 25       | 3            | 18       |              | 19       |              | 230              | 22             | 22              | 2            |
|              | 6        |              | 5        |              | 10       |              | 9        |              | 6        |              | 67               | 3              |                 |              |
| 1            | 53       | 5            | 31       | 2            | 44       | 3            | 20       |              | 42       |              | 409              | 41             | 28              | 6            |
|              | 12       |              | 6        |              | 7        |              | 6        |              | 2        |              | 67               | 6              | 14              |              |
| 1            | 42       | 2            | 42       | 1            | 43       | 2            | 30       | 1            | 42       |              | 318              | 22             | 13              | 7            |
| 6            | 30       |              | 30       |              | 15       |              |          |              |          |              | 310              | 18             | 2               | 14           |
|              |          |              |          |              |          |              |          |              |          |              | 167              | 42             | 8               | 8            |
|              | 32       | 5            | 41       | 5            | 19       | 1            | 8        |              | 6        |              | 275              | 21             | 9               | 11           |
|              | 21       | 1            |          |              |          |              |          |              |          |              | 132              | 7              | 2               |              |
| 3            | 31       | 7            | 18       | 1            | 17       |              | 10       |              | 10       | 2            | 201              | 31             | 10              | 12           |
| 1            | 23       |              |          |              |          |              |          |              |          |              | 155              | 17             | 3               | 1            |
| 2            | 43       | 3            | 28       |              | 28       | 2            | 29       | 1            |          |              | 250              | 19             |                 | 1            |
| 8            | 24       |              | 35       | 3            | 31       | 3            | 39       | 9            | 51       | 1            | 328              | 61             | 103             | 9            |
| 1            | 23       | 4            | 23       |              | 30       |              | 27       |              | 49       | 2            | 272              | 23             | 26              |              |
| 3            | 33       | 1            | 36       | 3            | 33       | 3            | 30       |              | 30       |              | 332              | 18             | 22              | 1            |
|              | 16       |              | 1        |              | 2        |              | 2        |              |          |              | 62               | 2              | 11              | 1            |
| 1            | 3        |              | 3        |              |          |              |          |              |          |              | 21               | 2              | 1               |              |
|              | 4        |              |          |              | 3        |              | 2        |              |          |              | 30               |                |                 |              |
|              |          |              | 3        |              |          |              |          |              |          |              | 19               | 2              |                 |              |
|              | 1        |              | 1        |              | 2        |              |          |              | 1        |              | 8                |                |                 |              |
| 36           | 524      | 34           | 458      | 40           | 405      | 21           | 312      | 12           | 321      | 5            | 4608             | 453            | 347             | 93           |
| 7-           |          | 6+           |          | 9-           |          | 5.0          |          | 4-           |          | 1.5          |                  | 9.8+           |                 |              |

The percentage of failures for the first half year is shown to be 11 for all grades. For the same period one year ago the percentage was  $15\frac{1}{2}$ .

As was the case last year much the largest number of failures, over 70 percent of the total, occurred in the first year. The remaining percentages are all lower than for the same period one year ago with the exception of that of the eighth year, which has increased by one half of one percent. The percentage of failures for the second half year was 9.8, exactly the same as for the corresponding period of the preceding year. Over 70 percent of these also occurred in the first grade. The data given by these tables have not been collected over a long enough period of time to determine in what year other than the first pupils are peculiarly liable to drop behind. The general impression prevailed that this occurred about the fifth year. The data so far secured by this city do not bear out this belief.

Out of a possible 9,357 promotions during the year there were 974 failures, the percentage being 10.4, which is 2.4 lower than for 1909. For the year, 89.6 percent of the pupils advanced regularly in their work. Of the number of pupils failing, 93, as shown by Table No. 5, failed twice, i. e., they were in June just where they started in September.

While 93 failed twice, others gained a half year and the total number so gaining by irregular promotions was 347. The cost per elementary school pupil for the last year was \$24.29. The money cost of these failures may be estimated at 974 times one half of \$24.29, or \$11,829. Obviously the city could not have saved this amount had there been no retardation. It could have saved, however, in increased efficiency and room in the lower grades, had these pupils not been compelled to repeat. The money value of the 347 double promotions may be estimated in the same way and it will be found to be \$4,214.

In dealing with these figures in regard to numbers in the grades and to promotions one is confronted with some discrepancies. For instance, the number of pupils as shown by the promotion lists for January, 1910, was 4,749, the number in the high school was 600, and 137 were in special classes. These numbers total 5,486. The average membership of the schools for the month of January, reports being made up on the day of promotion, was 5,516. There is a discrepancy of 30 between these two sets of numbers. The question naturally arises, what became of these 30 pupils? Does this number represent those leaving school to seek employment? No data are available to answer the question with certainty.

Again the promotion list, high school membership and special classes of pupils in June numbered 5,280. The number of pupils in school at the beginning of June was 5,507. There is a difference of 227 between these sets of figures. What became of the 227? The

question cannot be answered with certainty. It is plausible to think that some withdrew before the close of school to spend the summer in the country, and that others withdrew to seek employment. The fact that 97 employment certificates were granted in June may have some bearing upon this question, although the certificates were given to pupils from both public and parochial schools.

These discrepancies together with the fact that we have no way to account for the differences in membership in the schools in successive months (for instance, October membership 5,581, November membership 5,564, loss 17), indicate the necessity for a more careful registration and a following up of every pupil.

The reasons assigned for the failures in the different grades for the first half year are given below as returned by principals and teachers.

TABLE VI.—JANUARY PROMOTION.

| REASONS FOR NONPROMOTION.                                | 1st year. | 2d year. | 3d year. | 4th year. | 5th year. | 6th year. | 7th year. | 8th year. | 9th year. |
|--|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Absence and illness.....                                 | 114       | 8        | 3        | 4         | 11        | 11        | 5         | .         | 156       |
| Immaturity, slow development.....                        | 89        | ..       | 6        | ..        | ..        | 1         | ..        | .         | 96        |
| Speaking a foreign tongue.....                           | 44        | ..       | 1        | 3         | 2         | ..        | ..        | .         | 50        |
| Slow mental processes.....                               | 32        | 12       | 2        | 2         | 3         | 1         | 8         | .         | 62        |
| Short time in school.....                                | 24        | ..       | ..       | ..        | ..        | ..        | ..        | .         | 24        |
| Abnormal, deficient.....                                 | 14        | 4        | ..       | 4         | 1         | 2         | 4         | .         | 29        |
| Lack of application, lazy, inattentive, indifferent..... | 18        | 3        | 5        | 3         | 3         | 5         | 5         | 4         | 46        |
| Poorly nourished .....                                   | 5         | ..       | ..       | ..        | 1         | ..        | ..        | .         | 6         |
| From outside schools poorly graded                       | ..        | 2        | ..       | ..        | ..        | 2         | 1         | 4         | 9         |
| Deficient in one or more studies...                      | ..        | 3        | 4        | 1         | ..        | ..        | ..        | .         | 8         |
| Paralysis, deafness, etc.....                            | 2         | 2        | ..       | ..        | ..        | ..        | ..        | .         | 4         |
| Required three weeks more time..                         | 11        | ..       | ..       | ..        | 1         | ..        | ..        | .         | 12        |
| Unaccounted for .....                                    | 19        | ..       | ..       | ..        | ..        | ..        | ..        | .         | 19        |
| Totals .....   | 372       | 34       | 21       | 17        | 22        | 22        | 23        | 8         | 521       |

The reasons for the nonpromotion of the 521 pupils were absence and illness, 156; immaturity and slow development, 96; speaking a foreign tongue, 50; slow mental processes, meaning dull, 62; short time in school, 24; abnormal, deficient mentally, 29; lack of applica-



tion, lazy, inattentive, indifferent, 46; poorly nourished, 6; from outside schools, poor grading, 9; deficiency in one or more studies and very good in none, 8; bodily infirmities, paralysis, deafness, weak eyes, 4; and 12 were promoted a short time after the regular promotion date, they having completed the half year's work in that time. Nineteen in the first year are unaccounted for.

The failures because of absence, illness, immaturity and slow development, 252, are practically one half the total number. Every year one, or more, of the primary schools is swept by measles, mumps, whooping cough, chickenpox or diphtheria. Colds are common afflictions. It is obvious that pupils so afflicted as well as those that are immature must have a longer period to do one grade of work.

The school is not responsible for failures of this class except so far as schoolroom conditions are unhealthful, and foul air and drafts from windows contribute to produce the illness. To what degree the school is responsible I am unable to state, undoubtedly to some extent. The remedy will lie in the application of the proper principles of hygiene and the providing of teachers to give extra time and individual attention to these pupils.

The fact that so large a number, 89 and 32, in the first year are reported as being immature, slow of development and slow in mental processes is a strong argument for raising the age of admission to the primary schools to six years.

Children of primary school age who do not speak the English language are generally retarded in progress during the first part of their school life only.

The 108 reported as failing because of slow mental processes, lack of application, laziness, inattention and indifference probably represent the failure of the schools to properly diagnose the separate cases. No healthy child is naturally lazy. The right incentive to action can be found in every case, and in very few will this be found to be the appeal to authority.

The above cases, as well as those of the 29 reported as abnormal, and of the 4 reported as having physical defects are proper subjects for the medical inspectors.

The 9 entering from outside schools and not graded properly may represent failures on the part of the school provided they entered at or near the beginning of the semester. If they entered near the end of the same, no blame can attach to the school because no opportunity had been given to classify them properly. Pupils from country schools when entering the city schools are found to be ahead of a certain grade in one study and behind it in another. An opportunity is always given to make up deficiencies so that a pupil may be graded as high as possible. Five are reported as poorly nourished. Whether this is due to the poverty of the homes or to physical defects, it is



clearly the duty of the school authorities to find a remedy, in the one case through the exercise of a wise charity, in the other through its medical inspection. It would appear that this educational waste may be reduced to a minimum by more individual work by specially hired teachers, by a closer study of each pupil on the part of the teacher with the coöperation of the medical inspectors.

A summary of reasons for the failures during the second half year is given. The same general tendency is to be noted among these as among the former.

TABLE VII.—JUNE PROMOTION.

| REASONS FOR NONPROMOTION.                                | 1st year. | 2d year. | 3d year. | 4th year. | 5th year. | 6th year. | 7th year. | 8th year. | 9th year. |     |
|--|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| Absence and illness.....                                 | 63        | 6        | 13       | 16        | 8         | 8         | 5         | 5         | 124       |     |
| Immature, slow of development....                        | 103       | 8        | 3        | 2         | ..        | ..        | 1         | ..        | 117       |     |
| Speaking a foreign tongue.....                           | 23        | ..       | 3        | ..        | 1         | 1         | 1         | ..        | 29        |     |
| Slow mental processes.....                               | 8         | 13       | 2        | 5         | 8         | 11        | 3         | 2         | 56        |     |
| Abnormal, deficient.....                                 | 5         | 4        | 2        | 6         | 2         | 3         | 3         | ..        | 25        |     |
| Lack of application, lazy, inattentive, indifferent..... | 12        | 2        | 1        | 5         | 14        | 10        | 6         | 3         | 54        |     |
| Poorly nourished.....                                    | 1         | ..       | ..       | ..        | ..        | ..        | ..        | ..        | 1         |     |
| From outside schools poorly graded                       | 1         | 1        | ..       | ..        | ..        | 4         | ..        | 2         | 8         |     |
| Deficient in one or more studies...                      | 2         | 1        | 1        | ..        | ..        | ..        | ..        | ..        | 4         |     |
| Paralysis, deafness, etc., physical disability.....      | 1         | 4        | 1        | 1         | 1         | 3         | ..        | ..        | 11        |     |
| Cigarettes, use of.....                                  | ..        | ..       | ..       | ..        | ..        | ..        | 2         | ..        | 2         |     |
| Late in entering and crowded school                      | 7         | ..       | ..       | ..        | ..        | ..        | ..        | ..        | 7         |     |
| Unaccounted for.....                                     | 14        | ..       | ..       | 1         | ..        | ..        | ..        | ..        | 15        |     |
| Totals.....  | 240       | 39       | 26       | 36        | 34        | 40        | 21        | 12        | 5         | 453 |

I recommend that three experienced teachers be elected to do individual work with backward pupils, with those absent through illness or for other cause and needing assistance, and with those able to do more work than the school provides.

I recommend that a system of registration be adopted whereby every pupil in the public schools may be accounted for and whereby a complete record of the pupil's progress through the schools, his

physical condition, the date of his birth, residence, etc., may be known at any time. The adoption of this will place upon each teacher a certain amount of clerical work, viz., the making out of a card for every pupil under her instruction; it will place upon the principal the burden of keeping the record for the building and upon this office the keeping of a duplicate record for the city. In caring for such a system and the records of the truant officer there is ample work for one individual.

There is given below a record of the progress of pupils through the high school by classes and by subjects.

TABLE VIII.—MOVEMENT OF PUPILS THROUGH HIGH SCHOOL.

| SUBJECTS.                                | Number passed. | Number failed. | Percent failed. | Average for state |
|--|----------------|----------------|-----------------|-------------------|
| English, I .....                         | 111            | ..             | ..              | ..                |
| " II .....                               | 124            | 9              | 7               | ..                |
| " III .....                              | 120            | 17             | 12              | 6                 |
| " IV .....                               | 178            | 9              | 5               | 2                 |
| Latin, I .....                           | 105            | 45             | 43              | 19                |
| " II .....                               | 53             | 17             | 32              | 10                |
| " III .....                              | 47             | 4              | 8               | 4                 |
| " IV .....                               | 26             | 3              | 10              | 2                 |
| Greek, I .....                           | 10             | 1              | 10              | 6                 |
| " II .....                               | 16             | ..             | ..              | ..                |
| " III .....                              | 10             | ..             | ..              | 3                 |
| French, I .....                          | 116            | 28             | 25              | 13                |
| " II .....                               | 73             | 8              | 11              | 6                 |
| " III .....                              | 32             | 1              | 3               | ..                |
| German, I .....                          | 40             | 4              | 10              | 9                 |
| " II .....                               | 10             | ..             | ..              | 3                 |
| " III .....                              | 7              | ..             | ..              | 4                 |
| Algebra, I .....                         | 196            | 30             | 15              | 18                |
| " II .....                               | 123            | 4              | 3               | 10                |
| " III .....                              | 37             | ..             | ..              | 3                 |
| Geometry, I .....                        | 170            | 39             | 20              | 17                |
| " II .....                               | 138            | 8              | 5               | 9                 |
| " Rev. III .....                         | 37             | ..             | ..              | 3                 |
| " Solid .....                            | 24             | ..             | ..              | 5                 |
| Trigonometry .....                       | 24             | ..             | ..              | 2                 |
| Advanced and Commercial Arithmetic ..... | 121            | 6              | 5               | 14                |
| Physics .....                            | 105            | 38             | 36              | 11                |
| Chemistry .....                          | 47             | 3              | 6               | 5                 |
| Botany .....                             | 34             | 5              | 15              | 10                |
| Zoology .....                            | 28             | 4              | 14              | 7                 |
| Astronomy .....                          | 14             | ..             | ..              | 3                 |
| Ancient History .....                    | 39             | 6              | 15              | 60                |
| English History .....                    | 43             | 2              | 4               | 4                 |
| Mediaeval and Modern History .....       | 22             | 1              | 4               | 6                 |
| United States History .....              | 110            | 10             | 9               | 3                 |
| Bookkeeping, I .....                     | 172            | 7              | 4               | 8                 |
| " II .....                               | 31             | ..             | ..              | 6                 |
| Commercial Industrial History .....      | 31             | 1              | 3               | 2                 |
| Commercial Geography .....               | 18             | 1              | 5               | 8                 |
| Stenography, I .....                     | 158            | 3              | 2               | 5                 |
| " II .....                               | 52             | ..             | ..              | 2                 |
| " III .....                              | 210            | ..             | ..              | 3                 |

It will be seen by this that out of 3,367 opportunities for failure there occurred 314, which is 9.3 percent. This is practically 1 percent lower than for the elementary grades. Mathematics, Latin, Physics, French and English were the subjects in which most deficiencies occurred, they accounting for more than 80 percent of the whole. The remedy lies in individual work with the pupils.

#### INDUSTRIAL TRAINING.

The report of this body for 1909 set forth the need of and some reasons for the establishment of industrial training in connection with the public schools. I print herewith a page from the report of the Commissioner of Education, descriptive of the coöperative course introduced in the public schools of Fitchburg, Mass.:

"In this case a coöperative industrial course has been introduced in a public high school. The course is of four years' duration, but the first year is devoted wholly to literary studies. At the beginning of the second year any boy may with the consent of his parents elect the coöperative course. At the Fitchburg school the classroom instruction and the work in a factory alternate with each other, a week at a time being devoted to each. A two months' trial period begins on the first of July preceding the beginning of the course of study in the school. For the session of 1908-09 twenty boys were enrolled.

"The scale of wages paid the apprentice for shop work in each period of about one thousand six hundred fifty hours is as follows: For the first period, ten cents per hour; for the second period, eleven cents; for the third period, twelve and one half cents. No tuition fee is charged the student in school.

"Of the success of this plan thus far Superintendent Joseph G. Edgerly writes: 'The manufacturers have expressed great satisfaction with the plan, some of them having expressed the opinion at this early date that these boys are superior to those formerly employed. They are boys who have their eyes and ears open, who think and ask questions of an intelligent nature. . . . With the course mapped out it is expected that a thinking, progressive mechanic will be secured, one who will be able to reason things out for himself, and thereby derive for himself the greatest advantage that can be attained in his life work.'

"The plan is carried out without any expense to the city of Fitchburg. No special buildings or equipment are required, such as would be necessary in the case of a regular trade school. The boys work in real shops under actual business conditions, and the pay they get enables many to learn a trade and at the same time continue their education up through the high school."

I give this extract because it indicates a way in which industrial training may be secured in our own city.

I know that the plan can be put into operation in connection with the two greatest industries of the city, and I believe it possible to make arrangements for its trial by others. I recommend that a special committee be appointed to confer with manufacturers to the end that a plan of coöperative education between the industries of the city and its public schools may be devised and put into operation.

#### CONCLUSION.

A survey of the educational field reveals the existence of two important trends in education. One may be denominated humanitarian, the other industrial. The humanitarian is indicated by the various movements inaugurated to detect and remedy physical defects, to provide an hygienic environment and produce as a basis for education a healthy, normally functioning child. A phase of this last work is especially worthy of your consideration. I refer to open air schools. Providence, Boston, New York, Chicago, Hartford, Fitchburg and Rochester have established such. These schools require no expensive equipment. The two requisites are good food and sufficient clothing.

The industrial phase has been recommended to your consideration.

#### HONORABLE MENTION.

With the close of the present year the city loses the services of one of its schoolboard members who has ably and efficiently represented his district for a period of ten years. Mr. Walter B. Mitchell was elected to the schoolboard from Ward 8 in November, 1900, and was sworn into office in January following.

Mr. Mitchell has been chairman of the standing committee upon fuel and of the subcommittees upon the Varney and Main-street schools; he has also served as a member of the following committees: repairs, examination of teachers, health, text-books, kindergartens, Straw school, Bakersville and Mosquito pond schools, Parker school, Webster-street and Stark schools, Goffe's Falls and Highland schools, and the high school.

The educational interests of the city have ever been zealously promoted by Mr. Mitchell, and he has given freely of his time and thought for the educational uplift of the municipality.

Respectfully submitted,

CHARLES W. BICKFORD,

*Superintendent.*

## APPENDIX.

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- I. POPULATION, ETC.
- II. SCHOOLHOUSES.
- III. SCHOOLS.
- IV. TEACHERS.
- V. ATTENDANCE TABLES.
- VI. TRUANCY.
- VII. FINANCE.
- VIII. APPROPRIATIONS FOR ELEVEN YEARS.
- IX. EXPENDITURES FOR ELEVEN YEARS.
- X. SCHOOL YEAR, 1909-10.
- XI. HIGH SCHOOL GRADUATES.
- XII. WINNERS OF CLARKE PRIZES.
- XIII. ORGANIZATION OF COMMITTEES, 1911.
- XIV. LIST OF TEACHERS, 1911.
- XV. SCHOOL YEAR, 1910-11.

# APPENDIX.

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## STATISTICS.

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### I. Population.

|  |        |
|--|--------|
| Population of the city by last census, 1910..... | 70,063 |
| Legal school age, 5 to 21.                       |        |

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### II. Schoolhouses.

|  |     |
|--|-----|
| Number of schoolhouses in use .....                  | 26  |
| Number of schoolhouses not in use .....              | 0   |
| Number of schoolrooms used for day schools.....      | 154 |
| Number of rooms used for high school classes .....   | 20  |
| Number of rooms used for grammar schools .....       | 42  |
| Number of rooms used for middle schools .....        | 28  |
| Number of rooms used for primary schools .....       | 53  |
| Number of rooms used for ungraded schools .....      | 4   |
| Number of rooms used for Manual Training school .... | 3   |
| Number of rooms used for kindergartens .....         | 4   |

---

### III. Schools.

(All for both sexes.)

|   |    |
|---|----|
| Number of high school buildings.....  | 1  |
| Number of combined grammar and lower grade (middle<br>and primary) schools..... | 16 |
| Number of combined middle and primary schools.....                              | 3  |
| Number of ungraded schools .....  | 5  |
| Number of manual training schools (for boys).....                               | 1  |



IV. Teachers.

|  |     |
|--|-----|
| Male teachers in the High school.....                | 8   |
| Female teachers in the High school.....              | 11  |
| Male teachers in the grammar schools.....            | 7   |
| Female teachers in the grammar schools .....         | *44 |
| Female teachers in the middle schools .....          | 28  |
| Female teachers in the primary schools .....         | 56  |
| Female teachers in the ungraded schools .....        | 4   |
| Female teachers in the kindergarten .....            | 8   |
| Male teachers in the Manual Training school.....     | 3   |
| Special teachers .....                               | 4   |
| Average number of male teachers .....                | 21  |
| Average number of female teachers .....              | 153 |
| Total average number of teachers in day schools..... | 174 |
| Male teachers in the evening schools.....            | 12  |
| Female teachers in the evening schools.....          | 14  |
| Male teachers in the evening drawing schools.....    | 2   |

\*Seven of the 44 masters' assistants.

V.—TABLE SHOWING THE ATTENDANCE UPON THE VARIOUS DAY SCHOOLS FOR THE YEAR 1909-1910.

| SCHOOLS.                          | Whole number belonging.* |        | Average membership. | Average daily attendance. | Percent of daily attendance. | TEACHERS.   |
|-----------------------------------|--------------------------|--------|---------------------|---------------------------|------------------------------|---|
|                                   | Boys.                    | Girls. |                     |                           |                              |   |
| High School.....                  | 283                      | 342    | 589                 | 564                       | 95.6                         | George H. Libby, Master.<br>G. I. Hopkins, Submaster.<br>Harry N. McLaren.<br>Charles F. Bates.<br>Norris D. Blake, 2 terms.<br>Allan E. Herrick.<br>Fred H. Hodgson.<br>Arthur O. Friel.<br>Mary J. Wellington.<br>Annie W. Colby, 1 term.<br>Mary H. Dowd.<br>Elsie D. Fairbanks.<br>Annie M. Vose.<br>Edith M. Pierce.<br>Helen I. Buck.<br>Bertha A. Blanche†.<br>Cora J. Russell.<br>Edna C. Cullis.<br>Bessie L. Adams.<br>Bertha V. Healey.<br>Anne G. Towle, 2 terms. |
| GRAMMAR SCHOOLS.                  |                          |        |                     |                           |                              |   |
| Amoskeag, Mixed Grammar.....      | 17                       | 22     | 34                  | 33                        | 97.4                         | Blanche L. Bachelder, Principal.<br>Edgar D. Cass, Master.<br>Amelia L. Graupner.<br>Emma L. McLaren.<br>Belle R. Daniels.<br>Emma J. Cooper.<br>Marjorie S. Woodbury } Assistants.   |
| Ash-street, First Division.....   | 15                       | 29     | 43                  | 41                        | 94.2                         |   |
| “ Second “.....                   | 18                       | 22     | 36                  | 33                        | 90.1                         |   |
| “ Second and Third Divisions..... | 24                       | 25     | 44                  | 41                        | 94.8                         |   |
| “ Third Division.....             | 24                       | 19     | 41                  | 39                        | 94.0                         |   |
| “ Fourth “.....                   | 20                       | 13     | 38                  | 33                        | 86.6                         |   |
| Ash-street Totals.....            | 101                      | 108    | 202                 | 187                       | 92.0                         |   |

|  |    |    |     |     |      |   |
|--|----|----|-----|-----|------|---|
| Bakersville, First and Second Divisions..... | 23 | 24 | 41  | 39  | 95.6 | { Lizzie A. Burns, Principal.<br>Lelia A. Brooks.<br>Jennie F. McGrath, Assistant.                            |
| "    Third and Fourth .....                  | 22 | 21 | 28  | 27  | 91.8 |   |
| Bakersville Totals .....                     | 45 | 45 | 69  | 66  | 94.6 |   |
| Chandler, Fourth division.....               | 26 | 16 | 37  | 35  | 93.9 | Hellen Morison, Principal.  |
| Franklin-street, First Division.....         | 12 | 10 | 22  | 21  | 93.3 | { Isaac Huse, Master.<br>Caroline E. Head.  |
| "    Second .....                            | 10 | 11 | 21  | 19  | 92.0 | Lillian Whitney.  |
| "    Third .....                             | 14 | 20 | 30  | 26  | 88.1 | Daisy Flanders.   |
| "    Fourth .....                            | 21 | 27 | 37  | 33  | 88.5 | Josephine E. Page. } Assistants.  |
| Franklin-street Totals .....                 | 57 | 68 | 110 | 89  | 90.0 |   |
| Goffe's Falls, Mixed Grammar.....            | 15 | 14 | 26  | 25  | 95.9 | { Alice C. Taggart, Principal.<br>Gertrude Pyne, Assistant in A. M., 2 terms.<br>Elizabeth McKelvie, 1 term.  |
| Hallsville, First Division.....              | 22 | 28 | 43  | 41  | 94.6 | William H. Huse, Master.  |
| "    Second .....                            | 18 | 26 | 41  | 38  | 93.1 | Millicent S. Morse  |
| "    Third .....                             | 21 | 23 | 42  | 39  | 92.8 | Olyve A. Rowe. } Assistants.<br>Mary L. Moorar. }   |
| Hallsville Totals .....                      | 61 | 77 | 126 | 118 | 93.6 |   |
| Highland, Mixed Grammar .....                | 13 | 14 | 21  | 20  | 93.7 | { Annabel D. Wymann, Principal.<br>Gertrude Pyne, Assistant in P. M., 2 terms.<br>Elizabeth McKelvie, 1 term. |
| Lincoln-street, First Division.....          | 23 | 21 | 43  | 40  | 93.0 | A. H. Curtis, Master.   |
| "    Second .....                            | 26 | 19 | 35  | 33  | 93.4 | Elizabeth Robertson.  |
| "    Third .....                             | 23 | 28 | 45  | 41  | 90.9 | M. Emma Roberts.  |
| "    Fourth .....                            | 26 | 28 | 45  | 41  | 91.9 | Lillian F. Crowther. } Assistants.<br>Lois D. Beek. }   |
| Lincoln-street Totals.....                   | 98 | 96 | 168 | 155 | 92.2 |   |
| Main-street, Fourth Division .....           | 11 | 20 | 28  | 26  | 94.5 | Mary W. Mitchell, Principal.  |
| Parker, Second and Third Divisions.....      | 13 | 12 | 23  | 22  | 98.1 | Mary E. Moulton, Principal.   |
| "    Fourth Division.....                    | 18 | 17 | 31  | 30  | 97.3 | Mary L. Ayer.   |
| Parker Totals .....                          | 31 | 29 | 54  | 52  | 96.3 |   |

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS.—Continued.

| SCHOOLS.                                | Whole number belonging.* |        | Average membership. | Average daily attendance. | Percent of daily attendance. | TEACHERS.  |
|---|--------------------------|--------|---------------------|---------------------------|------------------------------|--|
|   | Boys.                    | Girls. |                     |                           |                              |  |
| Rimmon, First and Second Divisions..... | 4                        | 10     | 19                  | 18                        | 93.9                         | Harrison N. Bowen, Master.<br>Blanche E. Hieken, Assistant.  |
| "    "    Third and Fourth .....        | 18                       | 18     | 30                  | 27                        | 91.8                         |  |
| Rimmon Totals.....                      | 22                       | 28     | 49                  | 45                        | 91.8                         |  |
| Straw, Second Division .....            | 17                       | 13     | 29                  | 28                        | 97.5                         | Alta C. Willand, Principal.<br>Ada B. Morse. } Assistants.<br>Gertrude H. Brooks. }  |
| "    "    Third .....                   | 13                       | 19     | 29                  | 28                        | 96.5                         |  |
| "    "    Fourth .....                  | 18                       | 16     | 30                  | 28                        | 94.3                         |  |
| Straw Totals.....                       | 48                       | 48     | 88                  | 84                        | 95.4                         |  |
| Varney, First Division.....             | 31                       | 30     | 51                  | 50                        | 97.6                         | { George Winch, Master.<br>Jennie V. Williamson. } Assistants.<br>E. Maria Dickey. }<br>Ellen E. McKean. }<br>Gertrude Adams. }  |
| "    "    Second .....                  | 22                       | 29     | 45                  | 43                        | 94.8                         |  |
| "    "    Third .....                   | 24                       | 17     | 36                  | 34                        | 95.9                         |  |
| "    "    Fourth .....                  | 24                       | 17     | 36                  | 35                        | 96.1                         |  |
| Varney Totals.....                      | 101                      | 93     | 168                 | 162                       | 96.4                         |  |
| Webster-street, First Division.....     | 22                       | 35     | 50                  | 46                        | 92.2                         | { John Gault, Master.<br>A. Maude Lamprey. } Assistants.<br>Nettie S. Baker, 2 terms. }<br>Mabel J. Brickett, substitute 1 term. }<br>Jennie Russell. }<br>Eva F. Tuson. } |
| "    "    Second .....                  | 17                       | 14     | 27                  | 25                        | 93.9                         |  |
| "    "    Third .....                   | 16                       | 15     | 31                  | 29                        | 94.7                         |  |
| "    "    Fourth .....                  | 10                       | 16     | 24                  | 23                        | 95.5                         |  |
| Webster-street Totals.....              | 65                       | 80     | 132                 | 123                       | 93.2                         |  |
| Wilson, First and Second Divisions..... | 23                       | 26     | 44                  | 42                        | 95.9                         | Barbara B. Joy, Principal.<br>Mary E. McLaren. } Assistants.<br>Helen Haskell. }<br>Harriet H. Richardson. }   |
| "    "    Third Division .....          | 24                       | 19     | 35                  | 33                        | 95.7                         |  |
| "    "    Fourth .....                  | 25                       | 18     | 41                  | 39                        | 94.7                         |  |
| Wilson Totals.....                      | 72                       | 63     | 120                 | 114                       | 95.0                         |  |
| Youngsville, Mixed Grammar .....        | 12                       | 11     | 24                  | 19                        | 79.1                         | Mary E. Stevens, Principal.  |
| Grammar Schools Totals.....             | 795                      | 832    | 1,456               | 1,363                     | 93.6                         |  |

MIDDLE SCHOOLS

|                              |     |     |      |     |      |                              |
|------------------------------|-----|-----|------|-----|------|------------------------------|
| Amoskeag, Mixed.....         | 11  | 15  | 25   | 23  | 43.1 | Edna L. Merrill.             |
| Ash-street, Mixed.....       | 24  | 25  | 38   | 36  | 94.2 | Alice E. Good.               |
| Bakersville, High.....       | 23  | 20  | 36   | 34  | 94.2 | Mary L. Heath.               |
| "    Lower.....              | 25  | 27  | 46   | 42  | 90.5 | Augusta S. Downs.            |
| Chandler, High.....          | 17  | 25  | 36   | 35  | 96.1 | Hattie S. Tuttle.            |
| "    Lower.....              | 25  | 17  | 38   | 35  | 93.1 | Ede B. Shand.                |
| Franklin-street, High.....   | 21  | 30  | 37   | 33  | 92.7 | Mary T. Morrow.              |
| "    Lower.....              | 21  | 22  | 32   | 33  | 86.4 | Josephine L. Riddle.         |
| Goffe's Falls, Mixed.....    | 14  | 13  | 18   | 16  | 91.1 | Edith A. Murphy.             |
| Hallsville, High.....        | 24  | 26  | 46   | 41  | 89.5 | Mae L. Lovejoy.              |
| "    Lower.....              | 24  | 24  | 47   | 40  | 86.1 | Ina E. Tuttle.               |
| Lincoln-street, High.....    | 25  | 27  | 45   | 41  | 90.3 | J. Elizabeth Gate.           |
| "    Lower.....              | 24  | 32  | 41   | 37  | 89.9 | Katharine A. Frain.          |
| Lincoln-street, High.....    | 20  | 25  | 39   | 36  | 92.3 | Hattie O. Willard.           |
| "    Lower.....              | 23  | 25  | 44   | 41  | 94.3 | M. Minnie Sturtevant.        |
| Merrimack-street, Lower..... | 22  | 27  | 39   | 34  | 85.6 | Nellie F. Dunnington.        |
| Parker, High.....            | 19  | 17  | 35   | 34  | 96.2 | Blanche M. Folsom.           |
| "    Lower.....              | 19  | 26  | 41   | 39  | 95.3 | Gertrude Mitchell.           |
| Pearl-street, Mixed.....     | 15  | 15  | 31   | 29  | 94.9 | Mary G. Tynan.               |
| Rimmon, High.....            | 26  | 17  | 44   | 39  | 88.5 | Mary E. Bulman.              |
| "    Special Class.....      | 50  | 25  | 42   | 37  | 87.7 | M. Eunice Willard.           |
| Spring-street, Mixed.....    | 23  | 22  | 38   | 37  | 96.5 | Annabel Emerson.             |
| Straw, High.....             | 27  | 21  | 44   | 41  | 95.7 | Anna O'Donoghue, substitute. |
| "    Lower.....              | 23  | 21  | 35   | 32  | 92.9 | Laura M. Gould.              |
| Varney, Mixed.....           | 17  | 18  | 33   | 31  | 94.5 | Ida Crowther.                |
| Webster-street, Mixed.....   | 16  | 16  | 31   | 30  | 95.9 | Mary J. Walsh.               |
| Wilson, High.....            | 15  | 25  | 33   | 32  | 95.3 | Jean Gillan.                 |
| "    Lower.....              | 22  | 30  | 42   | 38  | 90.9 | Florence Richardson.         |
| "    Lower.....              | 22  | 30  | 42   | 38  | 90.9 | Elizabeth H. Callaghan.      |
| MIDDLE SCHOOLS TOTALS.....   | 617 | 623 | 1062 | 976 | 91.9 |                              |

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS—Continued.

| SCHOOLS.                                    | Whole number belonging.* |        | Average membership. | Average daily attendance. | Percent of daily attendance. | TEACHERS.                      |
|---|--------------------------|--------|---------------------|---------------------------|------------------------------|--------------------------------|
|   | Boys.                    | Girls. |                     |                           |                              |                                |
| PRIMARY SCHOOLS.                            |                          |        |                     |                           |                              |                                |
| Amoskeag, Higher.....                       | 15                       | 19     | 35                  | 33                        | 92.8                         | Bertha H. Marden               |
| " Lower.....                                | 16                       | 29     | 30                  | 27                        | 91.5                         | May L. Woodcock.               |
| Ash-street, Higher.....                     | 22                       | 28     | 42                  | 39                        | 91.0                         | May F. Nutt.                   |
| " Lower.....                                | 24                       | 27     | 41                  | 36                        | 87.5                         | Hulda C. Grappner.             |
| Bakersville, Higher.....                    | 32                       | 29     | 45                  | 43                        | 92.2                         | Bessie J. Bartlett.            |
| " Lower.....                                | 30                       | 22     | 44                  | 39                        | 88.9                         | Kathryn D. McKeon.             |
| Chandler, Mixed, Middle and Primary.....    | 16                       | 22     | 37                  | 35                        | 95.2                         | Amy K. Northrup.               |
| " Mixed.....                                | 16                       | 18     | 37                  | 35                        | 94.6                         | Delia B. Clark.                |
| " Lower.....                                | 27                       | 18     | 43                  | 40                        | 93.2                         | Jennie R. McLaughlin.          |
| " Lower.....                                | 33                       | 22     | 41                  | 37                        | 89.2                         | Helen N. Bly.                  |
| Franklin-street, Higher.....                | 22                       | 19     | 38                  | 33                        | 87.3                         | Grace M. Whittemore.           |
| " Lower.....                                | 32                       | 20     | 39                  | 34                        | 85.8                         | Lda L. Montgomery.             |
| Goffe's Falls, Mixed.....                   | 12                       | 16     | 22                  | 20                        | 88.3                         | Lauretta B. Sawtell.           |
| Hallsville, Mixed, Middle and Primary.....  | 27                       | 21     | 42                  | 37                        | 87.1                         | Bertha L. Kemp.                |
| " Higher.....                               | 20                       | 18     | 40                  | 34                        | 84.8                         | Martha J. Kennedy.             |
| " Mixed.....                                | 24                       | 17     | 38                  | 33                        | 86.4                         | Vivian Mathews.                |
| " Lower.....                                | 23                       | 16     | 36                  | 30                        | 82.5                         | Alice B. Morrill.              |
| Highland, Mixed.....                        | 29                       | 30     | 39                  | 31                        | 79.2                         | Annie R. Corson.               |
| Lincoln-street, Higher.....                 | 24                       | 23     | 39                  | 36                        | 92.1                         | Mary E. Walker.                |
| " Lower.....                                | 19                       | 25     | 37                  | 35                        | 94.1                         | Theodora Richardson.           |
| Main-street, Mixed, Middle and Primary..... | 27                       | 32     | 41                  | 38                        | 90.8                         | Nettie S. Reunie.              |
| " Higher.....                               | 28                       | 25     | 43                  | 40                        | 92.2                         | Elizabeth F. Walsh.            |
| " Higher.....                               | 20                       | 24     | 39                  | 37                        | 93.4                         | Kate F. Clarke.                |
| " Lower.....                                | 20                       | 24     | 45                  | 42                        | 93.1                         | Mary H. O'Dowd.                |
| " Lower.....                                | 26                       | 14     | 43                  | 40                        | 91.6                         | Myrtle B. Slager.              |
| Merrimack-street, Special Class.....        | 20                       | 35     | 41                  | 39                        | 95.2                         | Clara V. Clement.              |
| " Mixed.....                                | 29                       | 7      | 27                  | 24                        | 83.7                         | Florence Prescott, substitute. |
| " Lower.....                                | 33                       | 20     | 37                  | 33                        | 88.9                         | Ella M. Chapman.               |
| " Lower.....                                | 65                       | 38     | 43                  | 40                        | 92.9                         | Mary A. Brennan.               |
| Parker, Higher.....                         | 38                       | 29     | 45                  | 35                        | 78.9                         | Clydie M. Flanders.            |
| " Lower.....                                | 18                       | 25     | 41                  | 42                        | 96.3                         | Eda M. Barr.                   |



|  |       |       |       |       |      |  |
|--|-------|-------|-------|-------|------|--|
| Parker, Mixed.....                             | 21    | 27    | 45    | 43    | 94.9 | Grace M. Brown.                            |
| "    Lower.....                                | 35    | 32    | 46    | 43    | 93.6 | Maudie L. Winegar.                         |
| Pearl-street, Mixed, Middle and Primary.....   | 20    | 13    | 34    | 32    | 95.0 | Nellie M. Smith.                           |
| "    Higher.....                               | 19    | 13    | 31    | 28    | 91.7 | Florence Abbott.                           |
| "    Lower.....                                | 31    | 27    | 38    | 35    | 90.9 | Alice E. Walsh.                            |
| Rhomon, Higher.....                            | 57    | 40    | 40    | 37    | 91.9 | Mary S. White.                             |
| "    Lower.....                                | 38    | 35    | 51    | 44    | 86.3 | { Rebecca Grant, 2 terms.                  |
| Spring-street, Higher.....                     | 36    | 18    | 42    | 41    | 97.7 | { Sarah Hodgman, 1 term.                   |
| "    Special Class.....                        | 6     | 2     | 32    | 29    | 90.0 | { Helen F. Lyons.                          |
| "    Special Class.....                        | 23    | 15    | 43    | 31    | 88.4 | { Florence Desrocher, 2 terms, substitute. |
| "    Lower.....                                | 21    | 13    | 37    | 34    | 92.3 | { Rena Knee, 1 term, substitute.           |
| "    Lower.....                                | 38    | 29    | 45    | 41    | 91.1 | Sarah B. Dunbar.                           |
| Straw, Higher.....                             | 22    | 25    | 45    | 43    | 95.5 | Florence H. Moore.                         |
| "    Lower.....                                | 39    | 20    | 42    | 40    | 83.2 | Edith M. Stebbins.                         |
| Varney, Higher.....                            | 14    | 23    | 40    | 37    | 92.0 | Jennie M. Landers.                         |
| "    Mixed.....                                | 27    | 16    | 45    | 41    | 92.1 | Laurette McKeendree                        |
| "    Lower.....                                | 32    | 24    | 39    | 35    | 91.0 | Annie E. Walsh.                            |
| Webster-street, Mixed, Middle and Primary..... | 17    | 17    | 37    | 35    | 95.7 | Marcia Moore.                              |
| "    Mixed.....                                | 16    | 23    | 36    | 33    | 91.2 | Agnes M. Woodbury.                         |
| "    Lower.....                                | 23    | 35    | 40    | 35    | 87.0 | Sarah M. McKelvie.                         |
| Wilson, Mixed, Middle and Primary.....         | 30    | 23    | 46    | 42    | 91.0 | Bertha V. Franks.                          |
| "    Higher.....                               | ..... | ..... | 17    | 16    | 92.9 | Cora Webb Cummings, substitute 2 terms.    |
| "    Mixed.....                                | 27    | 32    | 41    | 37    | 83.9 | Florence L. Abbott.                        |
| "    Lower.....                                | 35    | 42    | 46    | 41    | 89.4 | Bianche L. Bryant.                         |
| Youngsville, Mixed.....                        | 21    | 21    | 37    | 31    | 81.7 | Bianche L. Corning.                        |
| Primary Schools Totals.....                    | 1,433 | 1,278 | 2,211 | 2,001 | 90.5 |  |
| KINDERGARTENS                                  |       |       |       |       |      |  |
| Chandler.....                                  | 36    | 19    | 39    | 34    | 86.3 | { Mabel B. Currier.                        |
| Parker.....                                    | 29    | 35    | 37    | 33    | 86.6 | { Eugenia Morey.                           |
| Spring-street.....                             | 26    | 34    | 38    | 35    | 93.8 | { Marion Ryan.                             |
| Straw.....                                     | 23    | 28    | 32    | 27    | 85.9 | { Maude Avery.                             |
| Kindergartens Totals.....                      | 114   | 116   | 146   | 129   | 88.4 | { Grace M. Carr.                           |
|  |       |       |       |       |      | { Ethel Church.                            |
|  |       |       |       |       |      | { Jennette M. Bartlett.                    |
|  |       |       |       |       |      | { Marion C. Clough.                        |

## ATTENDANCE UPON THE VARIOUS DAY SCHOOLS—Concluded.

| SCHOOLS.                       | Whole number belonging.* |        | Average membership. | Average daily attendance. | Percent of daily attendance. | TEACHERS.            |
|--------------------------------|--------------------------|--------|---------------------|---------------------------|------------------------------|----------------------|
|                                | Boys.                    | Girls. |                     |                           |                              |                      |
| UNGRADED SCHOOLS.              |                          |        |                     |                           |                              |                      |
| Harvey District .....          | 17                       | 11     | 23                  | 20                        | 86.2                         | Emma J. Ela.         |
| Mosquito Pond .....            | 15                       | 15     | 29                  | 24                        | 84.2                         | Marion F. Partridge. |
| Stark District .....           | 16                       | 3      | 17                  | 16                        | 92.0                         | Mildred Money.       |
| Webster's Mills .....          | 7                        | 4      | 8                   | 7                         | 86.9                         | Ethel Bartlett.      |
| Ungraded Schools Totals.....   | 55                       | 33     | 77                  | 67                        | 87.0                         |                      |
| Aggregate Totals for 1910..... | 3297                     | 3224   | 5541                | 5100                      | 90.2                         |                      |
| Aggregate Totals for 1909..... | 3222                     | 3169   | 5337                | 4936                      | 92.5                         |                      |

\* Exclusive of duplicate enrollment, no account being made of pupils received by promotion or transfer from other of the city schools.

DAY SCHOOLS.

Summary of attendance upon the several grades of public day schools for the year 1909-1910.

| GRADES.            | Whole number of different pupils. |        | Average membership. | Average daily attendance. | Percent of daily attendance. |
|--------------------|-----------------------------------|--------|---------------------|---------------------------|------------------------------|
|                    | Boys.                             | Girls. |                     |                           |                              |
| High .....         | 283                               | 342    | 589                 | 564                       | 95.6                         |
| Grammar .....      | 795                               | 832    | 1,456               | 1,363                     | 93.6                         |
| Middle .....       | 617                               | 623    | 1,062               | 976                       | 91.9                         |
| Primary .....      | 1,453                             | 1,278  | 2,211               | 2,001                     | 90.5                         |
| Ungraded .....     | 55                                | 33     | 77                  | 67                        | 87.0                         |
| Kindergarten ..... | 114                               | 116    | 146                 | 129                       | 88.4                         |
| Totals, 1910 ..... | 3,297                             | 3,224  | 5,541               | 5,100                     | 90.2                         |
| Totals, 1909 ..... | 3,222                             | 3,169  | 5,337               | 4,936                     | 92.5                         |

EVENING SCHOOLS.

Summary of attendance upon the several grades of public evening schools for the year 1909-1910.

| SCHOOLS.  | Whole number of different pupils. |        | Average membership. | Average daily attendance. | Percent of daily attendance. |
|---|-----------------------------------|--------|---------------------|---------------------------|------------------------------|
|   | Boys.                             | Girls. |                     |                           |                              |
| Spring-street .....                                   | 323                               | .....  | 235                 | 203                       | 86.4                         |
| Franklin-street .....                                 | .....                             | 97     | 88                  | 83                        | 94.5                         |
| Rimmon .....  | 89                                | 37     | 113                 | 97                        | 85.8                         |
| Drawing schools { Mechanical.. }<br>{ Architectural } | 53                                | .....  | 36                  | 30                        | 85.0                         |
| Totals, 1910 .....                                    | 465                               | 134    | 472                 | 413                       | 87.5                         |
| Totals, 1909 .....                                    | 449                               | 100    | 373                 | 308                       | 82.6                         |

*Evening School Teachers.*

John J. McAllister, principal of Spring-street school, for boys.

Assistants.—A. D. Benton, A. B. Blaine, Joseph Doyle, Arthur Morrill, L. A. O'Connor, Arthur J. Tonery, Cora W. Cummings, Elizabeth Doherty, Kittie McDonald, Ethel McNeil, Minnie Sullivan, Mary DeForest Young.

Honorie J. Crough, principal of Franklin-street school, for girls.

Assistants.—Margaret G. Linen, Carlena A. Savory, Susan G. Woodman, Genevieve B. Wilson, Frances Landers.

Carroll S. King, principal of Rimmon school, for both sexes.

Assistants.—Frank Kearns, Edwin M. Rogers, Edward C. O'Brien, Thomas F. McCabe, Myra V. Moore, Adelia S. Murphy.

*Evening Drawing School Teachers.*

John M. Kendall and Henry W. Allen.

## GENERAL SUMMARY.

*The following table presents the main features of interest pertaining to the attendance upon the public schools for the last eleven years; a similar table may be found in the report for 1896.*

| YEARS.     | Average number of schools. | Average number of teachers employed.* | Enrolled in public day schools. | Average membership. | Average daily attendance. | Percentage of daily attendance. | Average attendance evening schools. | Graduated from grammar schools.† | Passed grammar schools for high school.† | Entered high school.‡ | Graduated from high school. | Average number belonging to high school. |
|------------|----------------------------|---------------------------------------|---------------------------------|---------------------|---------------------------|---------------------------------|-------------------------------------|----------------------------------|--|-----------------------|-----------------------------|--|
| 1900 ..... | 126                        | 135                                   | 5,462                           | 4,388               | 3,998                     | 91.8                            | 179                                 | 225                              | 214                                      | 152                   | 72                          | 380                                      |
| 1901.....  | 127                        | 137                                   | 5,808                           | 4,552               | 4,127                     | 90.5                            | 191                                 | 189                              | 179                                      | 137                   | 69                          | 379                                      |
| 1902.....  | 129                        | 142                                   | 6,123                           | 4,876               | 4,480                     | 91.9                            | 250                                 | 221                              | 211                                      | 159                   | 62                          | 390                                      |
| 1903.....  | 130                        | 146                                   | 6,013                           | 4,774               | 4,338                     | 90.8                            | 196                                 | 203                              | 183                                      | 137                   | 65                          | 405                                      |
| 1904.....  | 133                        | 149                                   | 5,920                           | 4,889               | 4,483                     | 91.7                            | 197                                 | 237                              | 214                                      | 169                   | 80                          | 401                                      |
| 1905.....  | 133                        | 150                                   | 5,841                           | 4,817               | 4,412                     | 91.6                            | 252                                 | 247                              | 226                                      | 168                   | 63                          | 423                                      |
| 1906.....  | 135                        | 152                                   | 5,703                           | 4,907               | 4,531                     | 92.3                            | 246                                 | 261                              | 220                                      | 161                   | 78                          | 455                                      |
| 1907.....  | 139                        | 158                                   | 5,974                           | 4,995               | 4,589                     | 91.9                            | 305                                 | 255                              | 226                                      | 180                   | 78                          | 483                                      |
| 1908.....  | 141                        | 162                                   | 5,944                           | 5,163               | 4,795                     | 92.9                            | 315                                 | 255                              | 226                                      | 173                   | 103                         | 529                                      |
| 1909.....  | 146                        | 166                                   | 6,391                           | 5,337               | 4,936                     | 92.5                            | 308                                 | 286                              | 264                                      | 198                   | 107                         | 544                                      |
| 1910.....  | 154                        | 174                                   | 6,521                           | 5,541               | 5,100                     | 90.2                            | 413                                 | 280                              | 247                                      | 220                   | 107                         | 589                                      |

\* Including special teachers, principals, assistants, etc.

† And the A class in suburban schools.

‡ From grammar schools, parochial schools, and surrounding towns. (174 from grammar schools.)

VI. Work of Truant Officer.

| DATE.           | Absentees reported. | No. voluntarily returned. | No. reported caused to attend. | No. moved out of city. | No. found sick and unable to attend. | No. otherwise unavoidably detained. | No. not found. |
|-----------------|---------------------|---------------------------|--------------------------------|------------------------|--------------------------------------|-------------------------------------|----------------|
| 1909.           |                     |                           |                                |                        |                                      |                                     |                |
| September ..... | 74                  | 35                        | 15                             | 4                      | 11                                   | 9                                   | .....          |
| October .....   | 102                 | 23                        | 66                             | 3                      | 3                                    | 6                                   | 1              |
| November .....  | 103                 | 20                        | 47                             | 7                      | 10                                   | 19                                  | .....          |
| December.....   | 57                  | 16                        | 15                             | 5                      | 4                                    | 17                                  | .....          |
| 1910.           |                     |                           |                                |                        |                                      |                                     |                |
| January ... ..  | 126                 | 30                        | 60                             | 6                      | 16                                   | 14                                  | .....          |
| February. ....  | 83                  | 20                        | 34                             | 1                      | 11                                   | 17                                  | .....          |
| March.....      | 108                 | 19                        | 32                             | 1                      | 22                                   | 33                                  | 1              |
| April.....      | 87                  | 11                        | 35                             | 7                      | 12                                   | 21                                  | 1              |
| May.....        | 91                  | 21                        | 40                             | 3                      | 9                                    | 17                                  | 1              |
| June.....       | 83                  | 41                        | 10                             | 5                      | 6                                    | 20                                  | 1              |
| Totals.....     | 914                 | 236                       | 354                            | 42                     | 104                                  | 173                                 | 5              |

VI. Work of Truant Officer.—*Concluded.*

| DATE.           | Truants not enrolled found on streets. | No. of school age found on streets in school hours. | No. of parents visited. | No. temporarily confined at the police station. | No. brought before the court. | Sentenced. |
|-----------------|--|---|-------------------------|---|-------------------------------|------------|
| 1909.           |  |   |                         |   |                               |            |
| September ..... | 20                                     | 67  | 53                      | 2   | .....                         | .....      |
| October .....   | 12                                     | 217   | 165                     | 3   | 1                             | 1          |
| November.....   | 14                                     | 111   | 147                     | 7   | 1                             | .....      |
| December .....  | 3                                      | 49  | 63                      | .....   | .....                         | .....      |
| 1910.           |  |   |                         |   |                               |            |
| January .....   | 14                                     | 64  | 117                     | 6   | .....                         | .....      |
| February.....   | 6                                      | 59  | 97                      | .....   | .....                         | .....      |
| March .....     | 7                                      | 137   | 109                     | 6   | 1                             | 2          |
| April.....      | 9                                      | 143   | 111                     | 4   | .....                         | .....      |
| May.....        | 4                                      | 71  | 115                     | 6   | 1                             | 1          |
| June.....       | 2                                      | 43  | 93                      | 3   | .....                         | .....      |
| Totals.....     | 91                                     | 961   | 1,070                   | 37  | 4                             | 4          |

## VII. Finances, 1910.

| ITEMS OF ACCOUNT.                      | Appropriations. | Expenditures. |
|--|-----------------|---------------|
| Repairs of schoolhouses.....           | \$10,000.00     | \$9,966.45    |
| Fuel.....                              | 12,000.00       | 11,455.67     |
| Furniture and supplies.....            | 1,500.00        | 968.26        |
| Printing and advertising.....          | 500.00          | 517.33        |
| Books and stationery.....              | 50.00           | 18.12         |
| Contingent expenses.....               | 3,500.00        | 4,276.10      |
| Care of rooms.....                     | 10,500.00       | 10,588.42     |
| Evening schools.....                   | 1,800.00        | 1,814.69      |
| Teachers' salaries.....                | 120,000.00      | 118,254.60    |
| Evening school—mechanical drawing..... | 300.00          | 268.00        |
| Free text-books and apparatus.....     | 7,000.00        | 7,185.99      |
| Manual training.....                   | 600.00          | 605.28        |
| Typewriters, High school.....          | 300.00          | 300.00        |
| Curbing and walk at Varney school..... | 750.00          | 749.33        |
| Grading, Highland school.....          | .....           | 200.00        |
| Addition to Bakersville school.....    | 7,500.00        | 7,592.00      |
| Addition to Rimmon school.....         | 7,500.00        | 7,395.16      |
| Grading, Youngsville school.....       | 700.00          | 695.04        |
| Cost of city schools.....              | \$184,500.00    | \$182,850.44  |

## COST OF CITY SCHOOLS.

Expenditures as above specified..... \$182,850.14

*Salaries.*

Members of the schoolboard..... \$220.00  
 Clerk of board..... 150.00  
 Superintendent of schools..... 2,300.00  
 Truant officer..... 1,000.00

Total..... \$186,520.14

*Receipts.*

Literary fund..... \$3,921.12  
 Tuition and free text-books\*..... 2,166.71  
 -----  
 6,087.83

Net amount raised by taxation..... \$180,432.31

The city valuation for 1910 is \$39,807,572, and hence the rate of school tax for the year is \$180,432.31, divided by \$39,807,572, or .0045+. Last year the rate was .0043+.

\*School tax from Londonderry, Bedford, Goffstown, and Hooksett included.



TABLE VIII.—APPROPRIATIONS FOR ELEVEN YEARS.

| Years.    | Salaries.   | Books and stationery. | Free text-books. | Furniture and supplies. | Repairs.   | Care of rooms. | Fuel.      | Printing, etc. | Contingent expenses. | Evening common schools. | Evening drawing schools. | Manual training. | Sewing.  | Special appropriation. | Total.       |
|-----------|-------------|-----------------------|------------------|-------------------------|------------|----------------|------------|----------------|----------------------|-------------------------|--------------------------|------------------|----------|------------------------|--------------|
| 1900..... | \$86,000.00 | \$75.00               | \$5,000.00       | \$1,300.00              | \$6,000.00 | \$6,500.00     | \$8,800.00 | \$300.00       | 2,500.00             | 1,200.00                | 225.00                   | \$600.00         | \$250.00 | \$1,300.00             | \$121,050.00 |
| 1901..... | 88,000.00   | 75.00                 | 5,000.00         | 1,300.00                | 8,000.00   | 6,500.00       | 8,800.00   | 300.00         | 1,500.00             | 1,200.00                | 250.00                   | 500.00           | 250.00   | 3,400.00               | 125,075.00   |
| 1902..... | 91,000.00   | 75.00                 | 6,000.00         | 1,200.00                | 10,000.00  | 6,500.00       | 8,800.00   | 300.00         | 2,500.00             | 1,200.00                | 250.00                   | 500.00           | 230.00   | .....                  | 128,575.00   |
| 1903..... | 94,000.00   | 75.00                 | 6,000.00         | 1,200.00                | 8,000.00   | 6,900.00       | 8,800.00   | 300.00         | 2,500.00             | 1,200.00                | 300.00                   | 500.00           | 250.00   | 3,450.00               | 133,575.00   |
| 1904..... | 98,000.00   | 60.00                 | 6,000.00         | 1,300.00                | 9,500.00   | 7,000.00       | 10,000.00  | 300.00         | 2,500.00             | 1,200.00                | 300.00                   | 500.00           | 250.00   | 1,800.00               | 138,710.00   |
| 1905..... | 98,000.00   | 75.00                 | 7,000.00         | 1,500.00                | 10,500.00  | 7,000.00       | 11,000.00  | 400.00         | 2,700.00             | 1,500.00                | 300.00                   | 500.00           | 250.00   | 5,000.00               | 145,725.00   |
| 1906..... | 100,000.00  | 75.00                 | 7,000.00         | 1,500.00                | 10,500.00  | 7,500.00       | 11,500.00  | 400.00         | 2,700.00             | 1,500.00                | 300.00                   | 600.00           | 250.00   | 3,100.00               | 146,925.00   |
| 1907..... | 106,000.00  | 50.00                 | 7,000.00         | 1,800.00                | 8,000.00   | 7,800.00       | 10,500.00  | 350.00         | 2,700.00             | 1,500.00                | 300.00                   | 600.00           | .....    | 975.00                 | 147,575.00   |
| 1908..... | 109,500.00  | 50.00                 | 7,000.00         | 1,500.00                | 8,000.00   | 8,500.00       | 11,500.00  | 350.00         | 3,000.00             | 1,500.00                | 300.00                   | 600.00           | .....    | 22,500.00              | 179,795.23   |
| 1909..... | 112,500.00  | 50.00                 | 7,000.00         | 1,500.00                | 8,000.00   | 9,000.00       | 12,000.00  | 350.00         | 3,200.00             | 1,600.00                | 300.00                   | 600.00           | .....    | 10,600.00              | 166,700.00   |
| 1910..... | 120,000.00  | 50.00                 | 7,000.00         | 1,500.00                | 10,000.00  | 10,500.00      | 12,000.00  | 500.00         | 3,500.00             | 1,800.00                | 300.00                   | 600.00           | .....    | 16,750.00              | 184,500.00   |

TABLE IX.—EXPENDITURES FOR ELEVEN YEARS.

| Years. | Salaries.   | Books and stationery. | Free text-books. | Furniture and supplies. | Repairs.   | Care of rooms. | Fuel.      | Printing, etc. | Contingent expenses. | Evening common schools. | Evening drawing schools. | Manual training. | Sewing.  | Special appropriation. | Total.*      |
|--------|-------------|-----------------------|------------------|-------------------------|------------|----------------|------------|----------------|----------------------|-------------------------|--------------------------|------------------|----------|------------------------|--------------|
| 1900.. | \$86,126.18 | \$46.78               | \$5,016.16       | \$1,288.78              | \$6,549.41 | \$6,278.24     | \$8,168.92 | \$286.48       | \$2,483.04           | \$1,187.35              | \$234.40                 | \$470.23         | \$237.28 | \$1,293.83             | \$123,187.08 |
| 1901.. | 87,992.38   | 62.02                 | 5,000.00         | 1,155.25                | 7,939.88   | 6,423.30       | 8,790.62   | 302.14         | 2,487.89             | 1,181.60                | 227.50                   | 496.33           | 246.19   | 3,365.77               | 129,253.87   |
| 1902.. | 93,779.80   | 44.66                 | 6,160.77         | 1,187.38                | 9,996.66   | 6,522.13       | 10,304.02  | 283.18         | 2,507.19             | 1,155.35                | 252.00                   | 498.02           | 250.00   | .....                  | 136,461.16   |
| 1903.. | 94,534.94   | 56.71                 | 5,822.32         | 1,413.98                | 9,545.99   | 7,040.08       | 12,270.18  | 279.48         | 2,789.32             | 1,184.00                | 289.35                   | 490.75           | 242.80   | 3,326.50               | 142,856.40   |
| 1904.. | 97,319.13   | 69.80                 | 6,489.11         | 1,200.86                | 11,169.86  | 7,015.46       | 10,803.48  | 332.57         | 2,639.85             | 1,266.00                | 260.55                   | 500.32           | 249.92   | 1,460.55               | 144,447.39   |
| 1905.. | 96,484.15   | 25.75                 | 7,168.26         | 1,373.41                | 11,277.92  | 7,156.42       | 10,537.53  | 386.08         | 3,674.45             | 1,269.15                | 275.75                   | 499.96           | 239.19   | 4,183.98               | 148,222.00   |
| 1906.. | 99,473.35   | 8.99                  | 7,135.92         | 1,674.56                | 11,714.45  | 7,363.43       | 9,465.27   | 327.13         | 3,012.93             | 1,635.75                | 260.00                   | 557.56           | 212.66   | 2,758.02               | 149,269.96   |
| 1907.. | 103,580.36  | 19.90                 | 7,180.73         | 1,900.84                | 8,024.73   | 7,809.67       | 11,996.22  | 333.07         | 3,058.83             | 1,445.30                | 275.62                   | 593.69           | .....    | 1,074.63               | 150,963.23   |
| 1908.. | 109,476.57  | 15.12                 | 7,147.02         | 1,266.73                | 8,503.14   | 8,693.20       | 11,477.22  | 401.63         | 4,294.74             | 1,634.81                | 259.13                   | 599.37           | .....    | 22,356.61              | 179,795.28   |
| 1909.. | 113,145.43  | 8.50                  | 7,125.29         | 1,246.71                | 8,261.39   | 8,725.68       | 10,674.12  | 461.30         | 3,360.75             | 1,717.23                | 275.00                   | 598.14           | .....    | 10,439.68              | 169,709.22   |
| 1910.. | 118,254.60  | 18.12                 | 7,185.99         | 908.26                  | 9,966.45   | 10,588.42      | 11,455.67  | 517.33         | 4,276.10             | 1,814.69                | 268.00                   | 605.28           | .....    | 16,931.53              | 182,850.44   |

\*Including salaries of schoolboard, clerk, superintendent, and truant officer.

### X. School Year, 1909-10.

Fall term of fifteen weeks opened September 7, 1909, closed December 17, 1909. Vacation of two weeks.

Winter term of twelve weeks opened January 3, 1910, closed March 25, 1910. Vacation of two weeks.

Spring term of eleven weeks opened April 11, 1910, closed June 24, 1910. Vacation of ten weeks.

Number of school days in the year, 190.

Number of days schools were actually in session, 180½.

### XI. High School Graduation.

#### PROGRAM.

CHORUS. "Song of the Armorer".....*Nevin*  
 SALUTATORY. "School Friendship."

AGNES CHRISTINE BRUTON.

CHORUS. "Bright Dews of Morning".....*Crowe*

Vocal Waltz.

CLASS HISTORY.

CARROLL ABBOTT PARNELL.

CHORUS. "The Soldier's Life".....*Sir Arthur Sullivan*  
 From "Pirates of Penzance."

VALEDICTORY. "Opportunity."

EMILY JOSEPHINE WINCH.

PRESENTATION OF DIPLOMAS.

ALLAN M. WILSON, Esq.

SINGING OF CLASS ODE.

#### MEMBERS OF GRADUATING CLASS, 1910.

|                         |                          |
|-------------------------|--------------------------|
| Edward Auton Adams      | Earle M. Blair           |
| Anita Mae Allen         | Anna Elizabeth Blanchard |
| Mabel Harriet Ashcroft  | Leno Barbara Bond        |
| Ernest William Auger    | Percival Allen Boone     |
| Alfred Eaton Baldwin    | Regina Layman Branch     |
| Ernest Kilton Barnard   | Ethel Woodbury Brown     |
| Arnold Eastman Bartlett | Agnes Christine Bruton   |

Hazel Maida Burt  
Mabelle Alice Caldwell  
May Ronald Callaghan  
Edith May Cann  
Stewart Cheney  
Byron Humphrey Clark  
Eugene Smith Clark  
Annie R. Cohen  
Cassie Miner Colby  
Dudley Ray Colby  
Edward Coleman  
Mary Katherine Connor  
Charles Stephen Costigan  
Lynda M. Courser  
Laura M. Crafts  
Mary Anna Cunningham  
Hilda Lena Davis  
Marguerite Caswell Donnelly  
Eunice Martin Dunbar  
Alice Elizabeth Duncan  
Robert Harry Duncan  
Clyde Vernon Dutton  
Ethel Pearl Edgar  
Ethel May Enman  
LeRoy Glass Erskine  
Allen Harrison Estey  
Mark Edmund Farmer  
Robina May Fisher  
Walter Richard Fradd  
Sadie Erma Francis  
Martha Jane French  
Olive Hale  
Alice May Hall  
Bessie Lucile Hardy  
Florence Natalie Hardy  
Sara Estella Hawkins •  
Alice Parkinson Herrick  
Raymond Warren Huse  
Albert E. Johnson  
William Henry Johnson  
Ruby Maude Johnstone  
Dorothy S. Kendall  
Ethel Ida Landers  
Arthur Russell Leavitt  
Walter Ervin Leavitt  
Esther Blanche Lemon

Martha Edith Lenz  
Fannie Helen Lichtenstein  
Henry H. Lindquist  
Carolyn Guild Livingston  
Ernest Gilman Loomis  
Sigmund Lowenstam  
Annie Mary Lyons  
Susie Pearl Magoon  
Grace Adeline Moore  
Arthur Ward deMouplied  
James Aloysius Moynihan  
Elizabeth Ellen Muir  
James Murray  
Westly Joseph Nelson  
Victoria Nettel  
Leslie S. Osgood  
Mildred May Paige  
David Anthony Parker  
Carroll Abbott Parnell  
Ray Charles Pillsbury  
Bertha Elizabeth Proud  
Clinton Arthur Reed  
Edward Rich  
Walter Benjamin Richardson  
Winnifred B. Rogers  
Esther Rosenblum  
Ethel Eupheme Rowell  
Sarah Russell  
Mary Mildred Ryder  
Leon Beckwith Savacool  
Albert Ernest Slager  
David Albert Smith  
Herman Varnum Sproat  
Lewis Thomas Stearns  
Katherine Mary Sullivan  
Mary Gertrude Sullivan  
Roger John Sullivan  
Irma Agnes Talpey  
Peter Francis Talty  
Robert John Teehan  
Alfred Hazen Vose  
Harold Melvin Walker  
Helen Margaret Welch  
Emily Josephine Winch  
Pearl Elsie Woodbury  
Harold Mathes Worthen

CLASS ODE.

Words by Edward Coleman.

Dear M. H. S., for thee tonight  
Our hearts with love beat strong and full  
Beneath these colors, green and white,  
The emblem of our honored school.

CHORUS.

Our deeds shall prove our words are true,  
Though what our future none may guess.  
But this we promise e'er to do,  
To honor thee, dear M. H. S.

How swiftly have the years gone by,  
Each filled with joys that now seem dear;  
Whatever way our paths shall lie,  
We'll one and all thy name revere.

CHORUS.

Dear M. H. S., we sing to thee  
The praises that to thee belong,  
And faithful to thy name we'll be  
And guard it well from every wrong!

CHORUS.

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## XII. Winners of Clarke Prizes.

FOR EXCELLENCE IN ELOCUTION AT CONTEST, JANUARY, 1910.

First prize, \$25, John J. Bradley.  
Second prize, \$20, Catherine Barnes.  
Third prize, \$10, Leslie S. Osgood.  
Fourth prize, \$5, Beatrice Goulding Burr.

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## XIII. Organization, 1911.

SCHOOL COMMITTEE.

|                                     |  |
|-------------------------------------|--|
| EDWARD C. SMITH, 900 Union street,  | <i>Mayor, ex officio Chairman.</i>           |
| ERNEST BOURNIVAL, 286 Pearl street, | <i>President Common Council, ex officio.</i> |
| EDWARD B. WOODBURY,                 | <i>Vice-Chairman of the Board.</i>           |
| CHARLES H. MARTEL,                  | <i>Clerk of the Board.</i>                   |

- WARD 1. Ernest W. Wiesner, 19 Market street.  
 WARD 2. Allan M. Wilson, 293 Myrtle street.  
 WARD 3. Frank L. Downs, 108 Ash street.  
 WARD 4. William A. Phinney, 450 Manchester street.  
 WARD 5. John F. Lee, 224 Central street.  
 WARD 6. Harry L. Davis, 552 East Spruce street.  
 WARD 7. Edward B. Woodbury, 1 Pleasant street.  
 WARD 8. Frank A. Cadwell, 142 Douglas street.  
 WARD 9. Nazaire E. Biron, 544 Main street.  
 WARD 10. Francis X. Lyons, Goffe's Falls.

## SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

Residence, 1077 Union street. Office, City Hall building.  
 Telephone 1615.

Office Hours.—From 8 to 9 o'clock A. M., on school days, except  
 Thursdays; Thursdays from 7.30 to 8.30 P. M.

## SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

Residence, 277 Laurel street.

## TRUANT OFFICER.

CURTIS W. DAVIS.

Residence, 849 Chestnut street.

## STANDING COMMITTEES.

*Finance.*—Mayor Smith, Messrs. Bournival, Davis, Woodbury and Cadwell.

*Text-Books.*—Messrs. Wilson, Woodbury, Downs, Lyons and Phinney.

*Music.*—Messrs. Lyons, Davis and Biron.

*Drawing.*—Messrs. Wiesner, Woodbury, and Davis.

*Manual Training.*—Messrs. Cadwell, Wiesner, and Phinney.

*Examination of Teachers.*—Messrs. Davis, Downs, and Wilson.

*Fuel.*—Mr. Phinney, Mayor Smith, Messrs. Bournival, Lee, and Biron.

*Repairs.*—Messrs. Downs, Lee, Wiesner, Cadwell, and Wilson.

*Attendance.*—Messrs. Lee, Phinney, and Cadwell.

*Health.*—Messrs. Biron, Wilson, and Lyons.



## SUBCOMMITTEES.

- High.*—Messrs. Downs, Wilson, Phinney, Cadwell, and Wiesner.  
*Amoskeag.*—Messrs. Wilson, Biron, and Cadwell.  
*Ash-street and Webster's Mills.*—Messrs. Downs, Woodbury, and Biron.  
*Bakersville and Mosquito Pond.*—Messrs. Lyons, Phinney, and Downs.  
*Chandler.*—Messrs. Lee, Woodbury, and Cadwell.  
*Franklin-street.*—Messrs. Woodbury, Davis, and Lee.  
*Goffe's Falls and Highland.*—Messrs. Lyons, Cadwell, and Wiesner.  
*Hallsville and Harvey.*—Messrs. Davis, Wilson, and Phinney.  
*Lincoln-street and Youngsville.*—Messrs. Phinney, Lee, and Davis.  
*Main-street.*—Messrs. Biron, Cadwell, and Lyons.  
*Merrimack-street.*—Messrs. Phinney, Wilson, and Downs.  
*Parker.*—Messrs. Cadwell, Lyons, and Wilson.  
*Pearl-street.*—Messrs. Woodbury, Wiesner, and Phinney.  
*Rimmon.*—Messrs. Biron, Downs, and Wiesner.  
*Spring-street.*—Messrs. Wiesner, Woodbury, and Davis.  
*Straw.*—Messrs. Wiesner, Biron, and Wilson.  
*Varney.*—Messrs. Cadwell, Lyons, and Downs.  
*Webster-street and Stark.*—Messrs. Wilson, Davis, and Lyons.  
*Wilson.*—Messrs. Davis, Phinney, and Wiesner.  
*Kindergartens.*—Messrs. Downs, Woodbury, and Lee.  
*Evening Schools.*—Messrs. Lee, Davis and Biron.

## XIV. List of Teachers.

(Giving the name, school, grade of school, and residence of each teacher.)

## HIGH SCHOOL.—BEECH STREET.

- Master.—George H. Libby, 581 Chestnut street.  
 Submaster.—George I. Hopkins, 563 Maple street.  
 Assistants.—Harry N. McLaren, 648 Hall street.  
     Charles F. Bates, 595 Pine street.  
     Norris D. Blake, 251 Sagamore street.  
     Allan E. Herrick, 91 Russell street.  
     Fred H. Hodgson, 259 Sagamore street.  
     Arthur O. Friel, 911 Union street.  
     Mary J. Wellington, The Delta.  
     Mary H. Dowd, 43 High street.  
     Elsie D. Fairbanks, 527 Hanover street.  
     Annie M. Vose, 689 Union street.  
     Edith M. Pierce, Goffstown, N. H.  
     Bertha A. Blanchet, 467 Hanover street.

Assistants.—Helen I. Buck, 324 Myrtle street.  
 Cora J. Russell, 93 Myrtle street.  
 Edna C. Cullis, 581 Chestnut street.  
 Anne G. Towle, 191 Ash street.  
 Bertha V. Healey, 304 Central street.  
 Florence E. King, 41 High street.  
 Mildred Fritz, 754 Chestnut street.

Clerk.—Vona M. Mellen, 581 Chestnut street.

## AMOSKEAG SCHOOL.

Principal.—Blanche L. Bachelder (Grades 8, 7, 6), 276 Orange street.  
 Grades 5, 4.—Edna L. Merrill, 375 Concord street.  
 Grades 3, 2.—Anna C. O'Donoghue, 131 Laurel street.  
 Grades 2, 1.—Mildred G. Morey, 581 Union street.

## ASH-STREET SCHOOL.

*Second Floor.*

Master.—Edgar D. Cass, 298 Prospect street.  
 Master's Assistant.—Amelia L. Graupner, Grade 8, 215 Walnut street.  
 Grade 7.—Emma L. McLaren, 351 Bridge street.  
 Grade 6.—Belle R. Daniels, 586 Beech street.  
 Grade 5.—Emma J. Cooper, 488 Maple street.

*First Floor.*

Grade 4.—Marjorie S. Woodbury, 1 Pleasant street.  
 Grade 3.—Alice E. Good, 679 Maple street.  
 Grade 2.—May F. Nutt, 604 Beech street.  
 Grade 1.—Hulda C. Graupner, 215 Walnut street.

## BAKERSVILLE SCHOOL.

*Second Floor.*

Principal.—Elizabeth A. Burns (Grades 8, 7), 214 Calef road.  
 Principal's Assistant.—Lelia A. Brooks, 23 Cheney place.  
 Grades 6, 5.—Jennie F. McGrath, 350 Auburn street.  
 Grades 5, 4.—Mary L. Heath, 97 Bridge street.

*First Floor.*

Grades 4, 3.—Augusta S. Downs, 397 Merrimack street.  
 Grade 2.—Bessie J. Bartlett, 39 West Merrimack street.  
 Grade 1.—Kathryn D. McKeon, 279 East Spruce street.

CHANDLER SCHOOL.

*First Floor.*

Principal.—Helen Morison (Grade 6), 334 East Spruce street.  
 Grade 2.—Jennie R. McLaughlin, 646 Maple street.  
 Grade 1.—Helen N. Bly, 722 Beech street.

*Kindergarten.*

Principal.—Mabel B. Currier, 225 Bridge street.  
 Assistant.—Eugenia Morey, 581 Union street.

*Second Floor.*

Grade 5.—Harriet S. Tuttle, 154 Lowell street.  
 Grade 4.—Ede B. Shand, 317 East High street.  
 Grade 3.—Amy K. Northrup, 454 Merrimack street.  
 Grade 2.—Delia B. Clarke, 368 Merrimack street.

FRANKLIN-STREET SCHOOL.

*Second Floor.*

Master.—Isaac Huse, 143 Mammoth road.  
 Master's Assistant.—Caroline E. Head (Grade 8), 94 Myrtle street.  
 Grade 7.—Frances E. Barndollar, 1470 Elm street.  
 Grade 6.—Daisy E. Flanders, 714 Beech street.  
 Grade 5.—Mary T. Morrow, 402 Manchester street.

*First Floor.*

Grade 4.—Hattie E. Read, 46 Water street.  
 Grade 3.—Josephine L. Riddle, 581 Chestnut street.  
 Grade 2.—Grace M. Whittemore, 11 Nashua street.  
 Grade 1.—Ida L. Montgomery, 306 McGregor street.

GOFFE'S FALLS SCHOOL.

Principal.—Alice C. Taggart (Grades 8, 7, 6), 46 Brooklyn avenue.  
 Assistant, P. M.—Vacancy.  
 Grades 4, 3.—Edith A. Murphy, 162 Winter street.  
 Grades 2, 1.—Lauretta B. Sawtelle, 651 Summer street.

HALLSVILLE SCHOOL.

*Second Floor.*

Master.—William H. Huse, 97 Mammoth road.  
 Master's Assistant.—Millicent S. Morse (Grade 8), 963 Valley street.  
 Grade 7.—Olive A. Rowe, 118 Walnut street.  
 Grade 6.—Mary L. Mooar, 280 Taylor street.  
 Grade 5.—Mae L. Lovejoy, 9 Elm street.

*First Floor.*

- Grade 4.—Ina E. Tuttle, 481 Hall street.  
 Grade 3.—Marion L. Smith, 1029 Merrill street.  
 Grade 3.—Martha J. Kennedy, 457 Milton street.  
 Grade 2.—Vivian E. Matthews, 706 Beech street.  
 Grade 1.—Alice B. Morrill, 296 Laurel street.  
 Grade 1.—Annie R. Corson, 36 Ray street.

## HIGHLAND SCHOOL.

- Principal.—Annabel D. Wyman (Grades 8 to 5), 685 Hanover street.  
 Assistant, A. M.—Vacancy.  
 Grades 4 to 1.—Mary Walker, 685 Hanover street.

## LINCOLN-STREET SCHOOL.

*Second Floor.*

- Master.—Alvah H. M. Curtis, 329 Orange street.  
 Master's Assistant.—Gertrude Adams (Grade 8), 332 Hanover street.  
 Grade 7.—Josephine E. Paige, 420 Amherst street.  
 Grade 6.—Lillian F. Crowther, 376 Manchester street.  
 Grade 5.—Lois D. Beck, 326 Amherst street.

*First Floor.*

- Grade 4.—J. Elizabeth Cate, 502 Merrimack street.  
 Grade 3.—Katherine A. Frain, 262 Auburn street.  
 Grade 2.—Theodora Richardson, 481 Lincoln street.  
 Grade 1.—Nettie S. Rennie, 439 Laurel street.

## LOWELL-STREET SCHOOL.

*Manual Training.*

- Principal.—Fred E. Browne, 19 South Spring, Concord, N. H.  
 Assistants.—Fred E. Browne, 19 South Spring, Concord, N. H.  
               Fred H. Humphrey, 43 Malvern street (deceased).  
               Charles M. Curl, 279 Ash street.

## MAIN-STREET SCHOOL.

*Second Floor.*

- Principal.—Mary W. Mitchell (Grade 6), 341 Hanover street.  
 Grade 5.—Hattie O. Willand, 16 Monroe street.  
 Grade 4.—M. Minnie Sturtevant, 128 Milford street.  
 Grade 3.—Elizabeth F. Walsh, 166 North Main street.

*First Floor.*

- Grade 3.—Kate T. Clarke, 313 Granite street.  
 Grade 2.—Mary H. O'Dowd, 703 Pine street.  
 Grade 1.—Myrtle V. Slager, R. F. D. No. 6.  
 Grade 1.—Clara V. Clement, 104 Parker street.

MERRIMACK-STREET SCHOOL.

- Principal.—Nellie F. Dunnington (Grade 4), 367 Lake avenue.  
 Grade 3.—Ella M. Chapman, 36 Vinton street.  
 Grade 2.—Mary A. Brennan, 487 Candia road.  
 Grade 1.—Hazel R. Porter, 330 East Spruce street.  
 Special Class.—Florence Prescott, 612 Belmont street.  
 Special Class.—Regular substitute.  
 Special Class.—Regular substitute.

PARKER SCHOOL.

*First Floor.*

- Principal.—Mary E. Moulton (Grades 8, 7), 265 Milford street.  
 Grade 2.—Grace M. Brown, Gold street.  
 Grade 1.—Maude E. Winegar, 186 Bowman street.

*Kindergarten.*

- Principal.—Marian Ryan, 883 Union street.  
 Assistant.—Maude A. Avery, 352 Laurel street.

*Second Floor.*

- Grade 6.—Mary L. Ayer, 51 Erie street.  
 Grade 5.—Ethel M. Bartlett, 281 Jewett street.  
 Grade 4.—Gertrude S. Mitchell, 178 Milford street.  
 Grade 3.—Eda M. Barr, 16 C street.

PEARL-STREET SCHOOL.

- Principal.—Mary G. Tynan (Grade 4), 235 Pearl street.  
 Grade 3.—Nellie M. Smith, 1327 Hanover street.  
 Grade 2.—Florence Abbott, 333 East High street.  
 Grade 1.—Alice E. Walsh, 166 North Main street.

RIMMON SCHOOL.

*Second Floor.*

- Principal.—Harrison N. Bowen (Grades 8, 7), 294 Granite street.  
 Grades 6, 5.—Blanche E. Hicken, West Salmon street.  
 Grade 4.—Mary E. Bulman, 600 Beech street.  
 Special non-English speaking class, substitute.

*First Floor.*

Grades 3, 2.—Louise M. Bryson, 406 Granite street.

Grades 2, 1.—Mary S. White, 70 Kelly street.

Grade 1.—Sarah A. Hodgman, 42 George-street.

## SPRING-STREET SCHOOL.

*Second Floor.*

Principal.—Annabel Emerson (Grade 4), R. F. D. No. 2.

Grade 3.—Helen F. Lyons, 270 Lake avenue.

*First Floor.*

Grade 2.—Lou E. Kean, 271 Laurel street.

Grade 1.—Sarah B. Dunbar, 538 Lake avenue.

*Kindergarten.*

Principal.—Grace M. Carr, 347 Bridge street.

Assistant.—Ethel Church, 874 Union street.

## STRAW SCHOOL.

*First Floor.*

Principal.—Alta C. Willand (Grade 7), 16 Monroe street.

Grade 2.—Florence H. Moore, 841 Union street.

Grade 1.—Edith M. Stebbins, 58 Myrtle street.

*Kindergarten.*

Principal.—Jennette M. Bartlett, 250 Harrison street.

Assistant.—Elsie M. Dustin, 79 Pennacook street.

*Second Floor.*

Grade 6.—Elizabeth J. McKelvie, 326 Laurel street.

Grade 5.—M. Eunice Willand, 16 Monroe street.

Grade 4.—Laura M. Gould, 41 Brook street.

Grade 3.—Ida M. Crowther, 376 Manchester street.

## VARNEY SCHOOL.

*Second Floor.*

Master.—George Winch, 804 Beech street.

Master's Assistant.—Jennie V. Williamson (Grade 8), 31 Carroll St.

Grade 7.—Esther M. Dickey, 38 Avon street.



*First Floor.*

- Grade 6.—Ellen E. McKean, 33 Ash street.  
 Grade 5.—Bertha L. Marden, 307 Walnut street.  
 Grade 4.—Mary E. Trinity, 50 Elm avenue.  
 Grade 3.—Jennie M. Landers, 924 Clay street.  
 Grade 2.—Laurette McKendree, 197 Bridge street.  
 Grade 1.—Annie E. Walsh, 166 No. Main street.

## WEBSTER-STREET SCHOOL.

*Second Floor.*

- Master.—John Gault, 700 Pine street.  
 Master's Assistant.—Maude Lamprey (Grade 8), 96 Blodget street.  
 Grade 7.—Lillian Whitney, 304 Hanover street.  
 Grade 6.—Jennie Russell, North River road.  
 Grade 5.—Eva F. Tuson, 36 Appleton street.

*First Floor.*

- Grade 4.—Jean Gillan, 7 West Appleton street.  
 Grade 3.—Marcia M. Moore, 841 Union street.  
 Grade 2.—Agnes M. Woodbury, 1 Pleasant street.  
 Grade 1.—Sarah M. McKelvie, 326 Laurel street.

## WILSON SCHOOL.

*First Floor.*

- Principal.—Barbara B. Joy, 481 Hanover street.  
 Principal's Assistant.—Blanche L. Bryant (Grades 8, 7), 382 Central street.  
 Grade 3.—Bertha V. Franks, 9 West Merrimack street.  
 Grade 2.—Florence L. Abbott, 356 Laurel street.  
 Grade 1.—Avis A. Armstrong, 311 Lake avenue.

*Second Floor.*

- Grade 6.—L. Helen Haskell, 489 Hanover street.  
 Grade 5.—Harriet H. Richardson, 481 Lincoln street.  
 Grade 4.—Florence Richardson, 481 Lincoln street.  
 Grade 3.—Elizabeth H. Callaghan, 1017 Hayward street.

## YOUNGSMILE.

- Principal.—Mary E. Stevens (Grades 8, 7, 6, 5, 4), 341 Hanover street.  
 Grades 3, 2, 1.—Blanche L. Corning, 521 Lake avenue.

## UNGRADED SCHOOLS.

Harvey.—Emma J. Ela, 585 Beech street.  
 Mosquito Pond.—Marion F. Partridge, 73 Sagamore street.  
 Stark.—Helen M. Bullard, 286 Jewett street.  
 Webster's Mills.—Phoëbe Riley, 73 Buzzell street.

## SPECIAL TEACHERS.

Music.—A. J. Abbott, 892 Beech street.  
 Maude E. Brown, 18 Brook street.  
 Drawing.—J. Warren Thyng, 92 Arlington street.  
 Annie W. Patten, 254 Laurel street.

## SUBSTITUTES.

Bessie R. H. Caine, 70 Old Falls road.  
 Marjorie Drew, 336 Manchester street.  
 Susie A. Huff, 311 Lake avenue.  
 Laura McKenna, 154 New Mast road.

## JANITORS.

*High School.*

(Janitor and Schoolhouse Agent)

Charles F. Jack, 55 West Merrimack street.

(Assistant Janitor)

Irving W. Corning, 20 Pleasant street.

(Engineer)

George H. Jack, 53 Ash street.

*Amoskeag School.*

Charles H. Corey, 49 Pennacook street.

*Ash-street School.*

John J. Kelley, 82 Arlington street.

*Bakersville School.*

Edwin N. Baker, 10 Brown avenue.

*Chandler School.*

John S. Avery, 404 Merrimack street.

*Franklin-street School.*

Edward A. Powers, 283 Laurel street.

*Goffe's Falls School.*

Louis Hueber, 2966 Brown avenue.

*Hallsville School.*

William H. Newry, 314 Lake avenue.

*Highland School.*

Marshall N. Badger, 600 South Beech street.

*Lincoln-street School.*

Hugh McVicar, 376 Orange street.

*Main-street School.*

Philip Rogler, 121 Milford street.

*Merrimack-street School.*

Harvey J. Johnson, 382 Merrimack street.

*Parker School.*

William F. Henderson, 153 Bowman street.

*Pearl-street School.*

Edward Linehan, West Salmon street.

*Rimmon School.*

Urbain Gelinas, 410 Dubuque street.

*Spring and Lowell-street Schools.*

John Cedar, 91 Blodget street.

*Straw School.*

William A. Tufts, 41 Appleton street.

*Varney School.*

Joseph H. Buffum, 63 Boynton street.

*Webster-street School.*

William J. Powers, 30 Ray street.

*Wilson School.*

Dennis Sullivan, 262 Green street.

*Youngsville School.*

Edward Ivers, Broadway avenue.

**XV. School Year, 1910-1911.**

Fall term opened September 6, 1910, closed December 16, 1910. Vacation of two weeks.

Winter term of twelve weeks opens January 2, 1911, closes March 24, 1911. Vacation of two weeks.

Spring term opens April 10, 1911, closes June 23, 1911. Vacation of ten weeks.

Fall term opens September 5, 1911. Continues fifteen weeks, closes December 15, 1911.

REPORT

OF THE

TRUSTEES OF THE CITY LIBRARY.

# MANCHESTER CITY LIBRARY, 1910.

## Trustees.

|   |                    |
|---|--------------------|
| Eugene E. Reed, <i>Mayor, ex officio.</i>                           |                    |
| James B. Fitch, <i>President of the Common Council, ex officio.</i> |                    |
| Henry W. Boutwell.  | Term expires 1911. |
| Roger G. Sullivan.  | Term expires 1912. |
| Walter M. Parker.   | Term expires 1913. |
| Herman F. Straw.  | Term expires 1914. |
| Edwin F. Jones.   | Term expires 1915. |
| Frank P. Carpenter.   | Term expires 1916. |
| William P. Farmer.  | Term expires 1917. |

## Officers.

PRESIDENT, *ex officio.*

Eugene E. Reed.

CLERK AND TREASURER.

Edwin F. Jones.

## Librarian.

F. Mabel Winchell.

## Assistants.

|                                    |                      |
|------------------------------------|----------------------|
| E. Louise Newell, classifier.      | Carlton F. Hamer.    |
| Mrs. Edith O. Emery, cataloger.*   | Ruth H. Bartlett.    |
| Charles S. Morgan.**               | Caroline B. Clement. |
| Albro P. Reed.**                   | Una Vincent.         |
| Arthur R. Leavitt.***              | Sarah C. Aiken.†     |
| Eugene S. Clark.****               | Margaret I. Grant.‡  |
| Florence H. Butterick, cataloger.§ |                      |

JANITOR.

Gustav Hecker.¶

## Library Hours.

10 A. M. to 8 P. M., Saturdays till 9 P. M.  
Sundays (for reading and reference) 11 A. M. to 5 P. M.

\* Resigned November 26.  
\*\* Sundays only.  
\*\*\* Resigned June 11.  
\*\*\*\* Resigned October 29.

† From April 14.  
‡ From May 9.  
§ From November 25.  
¶ From April 20.



## REPORT OF THE TRUSTEES OF THE CITY LIBRARY.

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*To the Board of Mayor and Aldermen:*

In behalf of the trustees of the City Library I would report that during the year 1910 the work of the library went on about as usual, many books were purchased, the circulation increased, and the usefulness of the institution was demonstrated more clearly than ever. The report of the librarian, which is submitted herewith, shows the details of the work. The recommendations and suggestions made by the librarian are in the main to be highly approved. Longer hours of opening, branch stations, a children's room with trained assistants, are all needed to bring about a proper efficiency of the library of a city of the size of Manchester. But they require much more work of an already hard-pushed staff, more than it is capable of performing. What is needed is a larger appropriation for the maintenance and management. Two thousand dollars for the purchase of books and seven thousand for maintenance were appropriated in 1910. No New England city of similar size expends less on its public library. If the citizens desire greater efficiency and convenience, they should urge upon the city government larger appropriations in the future.

EDWIN F. JONES,

*Clerk.*

# LIBRARIAN'S REPORT.

*To the Trustees of the City Library, Manchester, N. H.:*

GENTLEMEN:—Following is the librarian's report for 1910, being the fifty-seventh annual report of the City Library.

## GROWTH AND DEVELOPMENT.

The circulation of books to the homes of the people, while only one department of the work of a public library, is usually considered a good indication of the growth and usefulness of the institution as a whole. Measured by this standard our library has had the **Circulation** most useful year in its history. The circulation exceeds that of last year by more than 8,000 and that of any previous record by 2,644. While this increase is very gratifying we are not satisfied because we feel that it ought to be larger,—considerably larger. This opinion is based on the knowledge of the activities carried on, and the results obtained in other libraries.

First, we believe that the library hours should be lengthened. In a city of 70,000 people the library certainly ought to be open from 9 A. M. to 9 P. M. each week day. Constantly we have people come **Hours open** between 9 and 10 A. M. expecting to find the library open. At night it seems a great pity to turn out the lights on a roomful of people in the middle of the evening. If a person lives at some distance from the library he cannot get home, have his supper, and reach the library much before 7.30, sometimes later. When he is just getting well interested in his reading the clock strikes eight and he is turned out. This "ought not so to be."

A bulletin, either monthly or quarterly, should be issued that the patrons may have in convenient form, a well-printed list of the books added to the library. Such a list, which might be taken to **Bulletin** the homes, looked over at leisure, and referred to whenever desired, we feel certain would result in a wider use of the books—especially the works of non-fiction. Short lists of selected books on popular subjects printed on slips of paper or cardboard, which may be used as bookmarks, have been found very **Book lists** useful in calling attention to the best books on given subjects. Selections of books on topics of current interest displayed in connection with picture bulletins, bring into use many volumes which would otherwise stand idle on the shelves. The books are bought to be used and it seems as if we were not getting the full worth of the money spent, while we are not doing all that might be done to bring the book and the reader together.

Many libraries spend much time, thought and effort in making their resources known to the people.

Collections of pictures classified and mounted for use by the schools, clubs, or for individual study are a feature which adds much to the usefulness of many libraries and ought not longer to be neglected by ours. Exhibits of pictures such as are loaned by the Library Art Club to its members, among which we should be numbered, are very instructive, serve to arouse interest along varied lines of reading and to attract to the library some who might not otherwise seek their recreation along educational lines.

In a city which spreads over as much territory as is covered by Manchester there should be branch libraries or delivery **Branches** stations in the more remote sections. At the present time at least three such stations are needed.

But most of all there is needed a special department for work with the children. This work has been too long neglected. Many opportunities to teach and to train the children who flock to **Children's** the library have been lost because the assistants have **room** been so busy in attending to the wants of adults, that there was scant time for inculcating lessons of cleanliness, care of books, and taste for good literature. These lessons learned during childhood influence all the future life and make for a greater intelligence, purer enjoyment, and better citizenship. The city could not invest a few thousand dollars to better purpose or with a greater surety of good results. In this matter we are far behind other cities of our class, and also various smaller cities and towns of our state, as shown by the following statistics.

|                       | Population | Cir. from<br>Children's room | Total<br>Circulation |
|-----------------------|------------|------------------------------|----------------------|
| Rochester, N. H.....  | 8,466      | 10,876                       | 43,832               |
| Dover, N. H.....      | 13,207     | 11,902                       | 58,669               |
| Nashua, N. H.....     | 26,005     | 16,680                       | 74,986               |
| Fitchburg, Mass.....  | 37,826     | 22,154                       | 73,633               |
| Holyoke, Mass.....    | 57,730     | 39,150                       | 116,810              |
| Somerville, Mass..... | 77,236     | 75,680                       | 238,471              |
| Lawrence, Mass.....   | 85,892     | 43,454                       | 124,809              |
| Lynn, Mass.....       | 89,336     | 40,728                       | 230,483              |
| Fall River, Mass..... | 119,295    | 58,033                       | 186,207              |

These are a few of the many ways in which our library ought to be developing, but instead of taking up new activities and widening its influence we have been obliged to drop some of the **Staff** things formerly done and have barely been able to carry **insuf-** the routine work. For several years, as has been stated in **ficient** previous reports, the assistants have been unequal to the many demands upon them. Not only has the increased circulation made more work at the delivery desk but it has occasioned,

very naturally, more wear and tear of the books which has necessitated more mending. More than twice as many books have been repaired at the library this year as were in 1908 or 1909. Again, more books have been purchased this year than ever before, which adds materially to the work in many lines, such as selecting, ordering, checking, collating, accessioning, classifying, cataloging, shelf-listing, book-plating, etc., etc. The congestion referred to in last year's report has increased this year in consequence of the larger number of books purchased and the general increase of work.

**Solution of problem** There is just one right way of solving this difficulty and that is by adding to the number of assistants.

The present library staff is the best the library has had for many years, perhaps ever. By this is meant that, taken as a whole, they are better educated, more interested in the work, and more efficient and faithful in the performance of their duties.

**Staff** This, of course, means more and better work accomplished and more satisfactory service rendered to our patrons. Two of the high school boys, Arthur R. Leavitt and Eugene S. Clark, who have given us such time as they could spare from their studies, during two or three years of their high school course, have left to continue their studies elsewhere.

Mrs. Edith O. Emery, who has been connected with the library for seventeen years, resigned the last of November to take up home duties. For many years she has been cataloger and has done the work with great accuracy, neatness, and efficiency. To fill the vacancy thus created Miss Florence H. Butterick of Sterling, Mass., was appointed. Miss Butterick is a graduate of Mt. Holyoke College and of the Simmons College library school and has had some experience in two Massachusetts libraries. We consider that we are very fortunate in securing one so well fitted for the work.

Miss Aiken, who was with us last year as a pupil assistant, received appointment to the staff in April, and Miss Margaret I. Grant, who came to us as a pupil assistant in January, became a member of the staff in May. Both of these young ladies are high school graduates and have entered the library because of a definite desire to engage in library work.

One important addition to our working force this year has been the long-desired and much-needed janitor. Gustav Hecker, who was appointed to this position, began work in April and has made us wonder how we ever managed to get along without him.

**Janitor** He has not only given his attention to keeping the library clean, but has proved himself handy in making small repairs about the building. He has also been very useful when necessary to eject intoxicated men from the reading room—a disagreeable task unsuitable for a woman.



## THE COURSE OF EVENTS.

Two events have occurred this year which are very much to be regretted. In June the library was broken into and \$25.15 were stolen. In November a similar break was made when the **Burglaries** thieves secured \$29.72, besides doing much damage. Not only was a window broken to gain entrance but two doors were badly broken, and some furniture reduced to kindling wood. Contents of drawers were upset and the place left in great disorder. In both cases the breaks occurred when there was an unusually large amount of money on hand. Bad as are these losses and depredations it would seem that the worst feature of the matter is that no clue has been found to the culprits in either case. A safe in which to put the cash at night would probably be as good a **Safe needed** preventive as we could have against further breaks. It would also serve a useful purpose as a secure place in which to keep our records and a few valuable books and pamphlets which would be difficult to replace. With the library in such close proximity to other buildings there is much danger of fire and at present there is no spot in the building where anything may be reasonably safe from flames.

The result of the inventory this year is somewhat discouraging. Two hundred and sixteen books are missing, a large proportion of which have probably been taken maliciously. Also more **Inventory** magazines than usual have disappeared from the reading room. The assistant, recommended in the last seven reports, whose duties should be chiefly in the reading room, would probably be the best check that could be put upon this pernicious practice.

The repairs to the building this year were not numerous. The roof, where the wing joins the main building, has long given trouble by leaking. This valley was covered with copper and since **Repairs** then we have experienced no further trouble. The slates on the east side of the roof of the wing were all reset and other slight repairs made on the roof wherever needed.

The walls in the front vestibule and some places in the reading room, where the paint had scaled off badly, were repainted. Ten Tungsten lights were installed in the reading room to take the place of the clusters of electric lights and the large gas light, formerly used.

The floor of the document room was covered with a cement coating which has successfully kept down the dust that was so troublesome. The floor just inside the delivery desk was worn into hollows by the constant travel there in the service of the public. This was relaid and covered with linoleum.

In the early part of the summer it was found that the boiler was so thoroughly worn out that a new one was a necessity. In Septem-

ber a temporary boiler was put in to use until the new one came. This arrived in December and necessitated closing the library on Sunday, December 18, while it was being installed.

Through the kindness of the trustees in granting a two months' leave of absence, the librarian was enabled to take a long-desired three months' trip abroad. The person must be dull, indeed, who would not be intellectually broadened and quickened by European travel, with all its historic and artistic associations. The old saying, "All bring grist to your mill," seems particularly applicable to the librarian, for there is no branch of knowledge or experience which is not called into use sooner or later in the demands that are made upon her.

In December a neighborhood meeting was held at the library to which the librarians of the surrounding towns were invited. This meeting was called in pursuance of a plan formed at the meeting of the New Hampshire Library Association held at Bretton Woods in 1909. It was suggested at that time that if the larger libraries of the state should hold such informal neighborhood gatherings it might result in more helpfulness to the smaller libraries than the meetings of the state association. The invitations were fairly well responded to and a number came who had never before attended any library meeting. Such meetings if held once or twice a year would probably prove of much value.

The library is indebted this year to many friends for gifts of books and periodicals. Among these were fifty-three volumes, mostly in the Swedish language, received from the estate of Charles G. Levan; also a valuable eight-volume history of "The Union Army," presented by J. H. DeMeritt, M. D., of Washington, D. C. Another notable gift was that of thirty volumes of the "Lineage Book" of the National Society of the Daughters of the American Revolution, given by the Molly Stark Chapter, D. A. R. The papers have continued their generous helpfulness in printing our booklists and various notices: a kind of giving which is heartily appreciated by the library and presumably by the readers for whose benefit it is primarily done.

The librarian wishes to express her gratitude to all who have in any way added to the usefulness of the library; to the staff for its faithful performance of duty and its interest in all that pertains to the welfare of our growing institution; and to the trustees who have made possible the record of growth which is here given.

Respectfully submitted,

F. MABEL WINCHELL,

*Librarian.*



APPENDIX I.

Accessions.

|  |        |
|--|--------|
| Increase by purchase.....  | 2,333  |
| Increase by gift .....   | 274    |
| Increase by binding periodicals.....                             | 413    |
| Increase by volumes exchanged.....                               | 2      |
| Increase by public documents not accessioned.....                | 513    |
| Total increase for the year.....                                 | 3,535  |
| Number of accessions as last reported.....                       | 61,518 |
| Whole number of accessions .....                                 | 64,540 |
| Number of volumes purchased from the Dean fund.....              | 170    |
| Number of volumes purchased from the Eaton fund.....             | 42     |
| Number of volumes purchased from the Elliot fund.....            | 16     |
| Worn out volumes withdrawn from circulation.....                 | 279    |
| Number of volumes replaced.....                                  | 259    |
| Number of volumes lost or injured and paid for.....              | 31     |
| Number of volumes lost and not paid for.....                     | 3      |
| Number of volumes burned on account of contagious diseases ..... | 6      |
| Number of magazines subscribed for.....                          | 148    |
| Number of magazines given.....                                   | 44     |
| Number of newspapers subscribed for.....                         | 7      |
| Number of newspapers given.....                                  | 7      |
| Total number of periodicals received.....                        | 206    |

APPENDIX II.

Circulation and Registration.

CIRCULATION.

|  |         |
|--|---------|
| Number of days open for circulation of books.....        | 305     |
| Average daily use (home).....                            | 299     |
| Largest number any one day (November 5).....             | 611     |
| Smallest number any one day (July 8).....                | 156     |
| Largest number any one month (November).....             | 8,974   |
| Smallest number any one month (July).....                | 6,466   |
| Home circulation .....                                   | 91,109  |
| Number of volumes issued to schools.....                 | 1,552   |
| School circulation (estimated from partial records)..... | 7,069   |
| Home circulation, including school circulation.....      | 98,178  |
| Number of volumes delivered in reading room.....         | 17,923  |
| Average daily use .....                                  | 59      |
| Total circulation.....                                   | 116,101 |

## RECORD, BY CLASSES, OF VOLUMES ISSUED.

|                               | No. vols. | Per cent. |
|-------------------------------|-----------|-----------|
| General works .....           | 5,062     | 5.6       |
| Philosophy and religion ..... | 1,067     | 1.2       |
| Biography .....               | 1,610     | 1.8       |
| History .....                 | 2,485     | 2.7       |
| Geography and travels.....    | 1,931     | 2.1       |
| Social sciences .....         | 674       | .7        |
| Science and useful arts ..... | 3,689     | 4.        |
| Fine arts .....               | 2,197     | 2.4       |
| Literature .....              | 5,106     | 5.6       |
| Fiction .....                 | 67,222    | 73.8      |
| Pictures .....                | 66        | .1        |
| Total .....                   | 91,103    |           |

## REGISTRATION.

|  |       |       |
|--|-------|-------|
| Active borrowers, December 31, 1909..... |       | 5,019 |
| New borrowers registered in 1910.....    | 1,021 |       |
| Registrations renewed in 1910.....       | 358   |       |
| Total number registered in 1910.....     |       | 1,379 |
|  |       | 6,398 |
| Registrations lapsed during 1910.....    |       | 115   |
| Active borrowers, December 31, 1910..... |       | 6,283 |

## APPENDIX III.

## MISCELLANEOUS STATISTICS.

|  |  |        |
|--|--|--------|
| Number of volumes classified.....                    |  | 3,195  |
| Number of volumes cataloged.....                     |  | 2,822  |
| Number of volumes bound and repaired at bindery..... |  | 1,072  |
| Number of volumes repaired at library.....           |  | 7,702  |
| Number of volumes covered at library.....            |  | 10,639 |
| Mail notices for overdue books.....                  |  | 1,752  |
| Reserve notices paid for.....                        |  | 1,735  |

## SUNDAY STATISTICS.

|                          | Men.  | Women. | Children. | Total. |
|--------------------------|-------|--------|-----------|--------|
| Attendance .....         | 2,845 | 601    | 7,300     | 10,746 |
| Average per Sunday ..... | 56    | 12     | 143       | 211    |

REPORT OF THE TRUSTEES OF THE CITY LIBRARY. 335

CIRCULATION.

|                               |        |
|-------------------------------|--------|
| General works .....           | 5,238  |
| Philosophy and religion ..... | 135    |
| Biography .....               | 315    |
| History .....                 | 888    |
| Geography and travels .....   | 335    |
| Social sciences .....         | 150    |
| Science and useful arts.....  | 1,184  |
| Fine arts .....               | 975    |
| Literature .....              | 4,361  |
| Fiction .....                 | 1,297  |
| Total .....                   | 14,878 |

APPENDIX IV.

Receipts from Fines, etc., from December 1, 1909, to November 30, 1910.

|   |          |          |
|---|----------|----------|
| Received from fines .....                   | \$340.74 |          |
| books lost or injured and<br>paid for ..... | 16.90    |          |
| reserve notices .....                       | 17.35    |          |
| miscellaneous sales .....                   | 17.43    |          |
| income on bank deposit.....                 | 4.45     |          |
|   |          | \$396.87 |
| Paid for expressage, books and sundries.... | \$154.30 |          |
| Stolen .....                                | 39.66    |          |
| Refunded for deposits stolen.....           | 7.00     |          |
|   |          | 200.96   |
| Balance on hand.....                        |          | \$195.91 |

APPENDIX V.

Donations to Library, 1910.

The library has received as gifts 645 volumes, 1,589 pamphlets, 1,352 magazines, and many newspapers. Of these, 532 volumes and 1,334 pamphlets were from the government.

|                         | Vols. | Pams. | Mag. |
|-------------------------|-------|-------|------|
| Abbott, E. Stanley..... | 2     |       |      |
| Aiken, Sarah C.....     |       | 1     |      |
| Bixby, Mrs. F. J.....   |       |       | 158  |

|   | Vols. | Pams. | Mags. |
|---|-------|-------|-------|
| Brown, Mary E.....The Independent   |       |       |       |
| Burnham, Hon. Henry E.....  | 2     |       |       |
| Burroughs, Sherman E.....   |       | 2     |       |
| Clough, Albert L.....   | 1     |       |       |
| Coolidge, Asenath C.....  | 2     |       |       |
| Cross, David A.....   | 5     |       | 873   |
| DeMeritt, J. H., M. D.....  | 8     |       |       |
| Depew, Chauncey M.....  |       | 2     |       |
| Donnelly, Mrs. C. F.....  | 1     |       |       |
| Elliott, M. F.....  | 4     |       |       |
| Fairbanks, Elsie D.....   |       |       | 1     |
| Farnsworth, Edw. C.....   | 1     |       |       |
| Foster, Rabbi Solomon.....  |       | 1     |       |
| French, Mrs. E. F.....  |       |       | 13    |
| Gallinger, Jacob H.....   |       | 1     |       |
| Hall, Prof. Angelo.....   | 1     |       |       |
| Hatch, Elder Osborne.....   | 3     |       |       |
| Hazeltine, Hannah B.....  | 1     |       |       |
| Hodgman, Fred L.....  |       | 1     |       |
| Johnson, P.....   | 1     |       |       |
| Libby, Mrs. George H.....   |       |       | 27    |
| McAllister, George I.....   |       |       | 46    |
| Mack, Isabella G.....   |       |       | 57    |
| Messinger, Herbert E.....   | 3     |       |       |
| Molly Stark Chapter, D. A. R.....   | 30    |       |       |
| Moon, James H.....  | 1     |       |       |
| Newell, Louise E.....   |       | 1     |       |
| Plumer, Mrs. W. H.,<br>Subscription to Good housekeeping                        |       |       |       |
| Sadler, Wilbur F., Jr.....  | 1     |       |       |
| Sanford, Willie B.....  |       |       | 12    |
| Sawyer, Mrs. Fannie H.....  |       |       | 7     |
| Schaeffer, Henri N.....   | 2     |       | 55    |
| Shore, W. I.....  | 1     |       |       |
| Smoot, R.....   |       | 2     |       |
| Steele, Mrs. G. W.....  | 1     |       |       |
| Straw, Gertrude.....  |       |       | 6     |
| Thompson, Slason .....  | 1     | 1     |       |
| Tolman, Mary M.....1 calendar   |       |       | 25    |
| Varick, Mrs. Thos. R.....   |       |       | 72    |
| Wheat, Dr. Arthur F.....  | 20    |       |       |
| Winchell, F. Mabel.....   | 1     |       |       |
| Woman's Alliance, Unitarian Church, city,<br>Subscription to Christian register |       |       |       |
| Woods, H. E.....  |       | 2     |       |

Grateful acknowledgment is hereby made to the many other donors, —libraries, colleges, schools, associations, institutions, national, state and city governments, etc.,—from whom reports and various publications have been received.

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## APPENDIX VI.

### List of Periodicals for 1911.

- A. L. A. booklist.
- Alpine journal.
- America.
- American boy.—2 copies.
- American city.
- American engineer and railroad journal.
- American historical review.
- American homes and gardens.
- American journal of science.
- American journal of sociology.
- American Library Association. Bulletin.
- American magazine.
- American naturalist.
- Amerika esperantisto.—Gift.
- Among the deep sea fishers.
- Annals of American Academy of Political and Social Science.
- Annals of Iowa.—Gift.
- Architects' and builders' magazine.
- Argosy.
- Art journal.
- Athenaeum.
- Atlantic monthly.
- Benziger's magazine.
- Berea quarterly.—Gift.
- Biblical world.
- Bird lore.
- Blackwood's Edinburgh magazine.
- Book review digest.
- Bookman.
- Boston Cooking School magazine.
- Boston Society of Natural History. Proceedings.
- Brooklyn Institute of Arts and Sciences. Museum news.—Gift.
- Brown Alumni monthly.—Gift.
- Bulletin of bibliography.
- Business and the book-keeper.
- Camera craft.

Canadian magazine.  
Cassier's magazine.  
Century.—2 copies.  
Chambers's journal.  
Chautauqua quarterly.—Gift.  
Chautauquan.  
Chicago banker.—Gift.  
Child lore magazine.  
Children's magazine.  
Christian herald.—Gift.  
Christian register.—Gift.  
Christian Science journal.—Gift.  
Christian science sentinel.—Gift.  
Collier's weekly.  
Concrete.—Gift.  
Connoisseur.  
Contemporary review.  
Cornhill magazine.  
Cosmopolitan.—2 copies.  
Cotton.  
Country life in America.  
Craftsman.  
Cumulative book index.  
Current literature.  
Dartmouth Alumni magazine.—Gift.  
Das Wort.—Gift.  
Delineator.—2 copies.  
Dial.  
Eastern and western review.—Gift.  
Edinburgh review.  
Education.  
Educational review.  
Electrical world.  
Electrician and mechanic.  
Elementary school teacher.  
Engineering magazine.  
Engineering news.  
Envelope series.—Gift.  
Equity.—Gift.  
Etude.—2 copies.  
Everybody's magazine.—2 copies.  
Everyland.  
Folk-lore.  
Fortnightly review.  
Forum.  
Good housekeeping.—2 copies.—Gift.



Granite monthly.  
 Granite state magazine.  
 Gregg writer.  
 Grinnell review.—Gift.  
 Hampton's magazine.—2 copies.  
 Harper's bazar.  
 Harper's monthly.—2 copies.  
 Harper's weekly.  
 Herald of the cross.—Gift.  
 Hibbert journal.  
 Holy Cross purple.—Gift.  
 Home needlework magazine.  
 Horseless age.  
 House beautiful.  
 Illustrated London news.—Gift.  
 Independent.—Gift.  
 Index medicus.  
 Indian's friend.—Gift.  
 International studio.  
 Journal of American folk-lore.  
 Journal of American history.  
 Journal of political economy.  
 Journal of the Franklin Institute.  
 Ladies' home journal.  
 Ladies' review.—Gift.  
 Lancet.  
 Library journal.  
 Library work.  
 Life.  
 Life and light for woman.—Gift.  
 Lippincott's magazine.  
 Literary digest.  
 Little folks.  
 Living age.  
 London quarterly review.  
 McClure's magazine.—2 copies.  
 Magnificat.—2 copies.—Gift.  
 Manual training magazine.  
 Metal industry.—Gift.  
 Metropolitan.  
 Mind.  
 Missionary herald.—Gift.  
 Missionary review of the world.  
 Motor world.  
 Mt. St. Mary record.—Gift.  
 Munsey's magazine.—2 copies.

Musician.—2 copies.  
Nation.  
National geographic magazine.  
National magazine.  
Nature.  
New England historical and genealogical register.  
New England magazine.  
New England shoe and leather industry.—Gift.  
New Hampshire genealogical record.  
New Hampshire sanitary bulletin.—Gift.  
Nineteenth century and after.  
North American review.  
Oracle.—Gift.  
Out west.  
Outing.  
Outlook.  
Overland monthly.  
Pan American union.—Gift.  
Pearson's magazine.  
Photo-era.  
Pitman's journal.—2 copies.—Gift.  
Poet lore.  
Popular electricity.  
Popular mechanics.  
Popular science monthly.  
Posselt's textile journal.  
Power.  
Printing art.  
Protectionist.—Gift.  
Public libraries.  
Publishers' weekly.  
Puck.  
Punch.  
Quarterly review.  
Railway age gazette.  
Readers' guide to periodical literature.  
Records of the past.  
Recreation.  
Review of reviews.—American edition.—2 copies.  
Revue des deux mondes.  
St. Nicholas.—2 copies.  
Saturday evening post.  
Saturday review.  
School review.  
Science.  
Scientific American.

Scientific American supplement.  
 Scribner's magazine.—2 copies.  
 Speaker.  
 Strand magazine.  
 Suburban life.  
 Sunday school times.  
 Sunset.  
 Survey.  
 Textile colorist.  
 Textile world record.  
 U. S. Patent Office. Official gazette.—Gift.  
 U. S. public documents. Catalogue.—Gift.  
 Universalist leader.—Gift.  
 Western monthly.—Gift.  
 Westminster review.  
 Whittlings.—Gift.  
 Woman's home companion.  
 World to-day.  
 World's work.—2 copies.  
 Youth's companion.—2 copies.

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### Newspapers.

Anzeiger und Post.—Gift.  
 Boston morning herald.  
 Boston Sunday herald.  
 Boston transcript.  
 Emerald.—Gift.  
 Manchester union.—2 copies.—Gift.  
 Mirror and American.  
 Mirror and farmer.—Gift.  
 New Hampshire farmer.—Gift.  
 New York morning sun.  
 New York times. Saturday issue.  
 New York times. Sunday book review.  
 Plymouth record.

## TREASURER'S REPORT.

Account of Edwin F. Jones, Treasurer of the Trustees of the City  
Library.

| 1910.    | DR.  |             |
|----------|--|-------------|
| Jan. 1.  | To unexpended balance of appropriation for purchase of books.....  | \$1,122.46  |
| 24.      | received from F. Mabel Winchell, librarian, fines, catalogues, books lost and injured, and miscellaneous, to November 30, 1909 | 246.35      |
| May 1.   | appropriation, 1910, for purchase of books   | 2,000.00    |
| Jan. 1.  | Dean fund and accumulations, \$13,665.34   |             |
| Dec. 30. | income, 1910, on same.....   | 531.20      |
|          |  | 14,196.54   |
| Jan. 1.  | To Mary E. Elliot fund and accumulations .....   | \$4,033.78  |
| Dec. 30. | income, 1910, on same.....   | 136.93      |
|          |  | 4,170.71    |
| Jan. 1.  | Eliza A. Eaton fund and accumulations .....  | \$4,116.35  |
| Dec. 30. | income, 1910, on same.....   | 131.80      |
|          |  | 4,248.15    |
| Dec. 29. | received from F. Mabel Winchell, librarian, fines, catalogues, books lost and injured, and miscellaneous, to November 30, 1910 | 195.91      |
|          |  | \$26,180.12 |
|          |  | CR.         |

1910.

By paid for books:

|          |  |        |
|----------|--|--------|
| Feb. 17. | G. E. Stechert & Co.....                   | \$1.73 |
|          | Temple & Farrington Co. (Dean fund) .....  | 6.75   |
|          | Temple & Farrington Co. (Eaton fund) ..... | 3.50   |
|          | H. Goldberger (Elliot fund).....           | 14.90  |
|          | H. Goldberger .....                        | 19.65  |
|          | Mrs. A. M. Boire.....                      | 20.00  |
|          | James Clarke & Co.....                     | 17.10  |
|          | Allan E. Herrick.....                      | 54.92  |
|          | Rumford Press.....                         | 1.80   |

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|          |  |        |
|----------|--|--------|
| Feb. 17. | Howard M. Cook.....                          | \$1.50 |
|          | Robert L. Manning.....                       | 1.80   |
|          | William T. King.....                         | 1.50   |
| 24.      | T. P. W. Rogers (Dean fund).....             | 42.24  |
|          | T. P. W. Rogers.....                         | 3.60   |
| Mar. 21. | G. E. Stechert & Co.....                     | 79.07  |
|          | Boston Book Co.....                          | 72.50  |
|          | Harper & Bros.....                           | 23.75  |
|          | H. L. Huntting Co. (Dean fund)..             | 15.00  |
|          | H. L. Huntting Co.....                       | 15.45  |
|          | Caroline L. Himebaugh.....                   | 23.85  |
|          | W. P. Goodman (Dean fund).....               | 50.81  |
|          | W. P. Goodman (Eaton fund).....              | 6.30   |
|          | W. P. Goodman.....                           | 293.23 |
| Apr. 21. | T. P. W. Rogers (Dean fund).....             | 9.00   |
|          | T. P. W. Rogers.....                         | 51.15  |
| May 4.   | W. P. Goodman (Dean fund).....               | 4.28   |
|          | W. P. Goodman.....                           | 363.67 |
|          | Temple & Farrington Co. (Dean<br>fund) ..... | 3.34   |
|          | Boston Book Co.....                          | 5.50   |
|          | W. O. Greenough & Co.....                    | 3.00   |
|          | Sampson & Murdock Co.....                    | 6.00   |
|          | Zella Allen Dixson.....                      | 3.56   |
| June 10. | T. P. W. Rogers (Dean fund).....             | 28.00  |
|          | T. P. W. Rogers.....                         | 50.78  |
|          | W. P. Goodman.....                           | 58.54  |
|          | W. P. Goodman (Dean fund).....               | 16.30  |
|          | Robert W. Lull.....                          | 21.75  |
|          | H. R. Huntting Co.....                       | 19.90  |
|          | Thomson-Pitt Book Co.....                    | 2.50   |
|          | Caroline L. Himebaugh.....                   | 8.45   |
|          | W. M. Gibbs.....                             | 2.34   |
|          | C. E. Goodspeed.....                         | 15.75  |
|          | Boston Book Co.....                          | 2.62   |
|          | Publishers' Weekly .....                     | 9.50   |
|          | A. J. Huston.....                            | 2.25   |
| Aug. 10. | W. P. Goodman (Dean fund).....               | 154.50 |
|          | W. P. Goodman.....                           | 77.44  |
|          | W. P. Goodman (Eaton fund).....              | 6.75   |
|          | Old Corner Bookstore (Elliot<br>fund) .....  | 52.71  |
|          | Walter S. Houghton.....                      | 4.70   |
|          | Benziger Bros. ....                          | 3.50   |
|          | Edward H. Currier.....                       | 50.00  |
|          | C. A. Nichols Co.....                        | 5.00   |

|          |   |          |             |
|----------|---|----------|-------------|
| Aug. 10. | H. R. Hunting Co. (Dean fund)...                            | \$9.00   |             |
|          | Theo E. Schulte.....  | 1.00     |             |
|          | Sampson & Murdock Co.....                                   | 6.00     |             |
|          | T. P. W. Rogers.....  | 232.00   |             |
| Sept. 9. | W. P. Goodman.....  | 468.14   |             |
|          | W. P. Goodman (Dean fund).....                              | 4.50     |             |
|          | W. P. Goodman (Eaton fund).....                             | 93.20    |             |
|          | Romeyn B. Hough (Dean fund)....                             | 4.40     |             |
| Oct. 20. | T. P. W. Rogers (Dean fund).....                            | 9.00     |             |
|          | T. P. W. Rogers.....  | 9.65     |             |
|          | Temple & Farrington Co. (Eaton<br>fund) .....               | 3.50     |             |
|          | J. B. Wallace.....  | 6.00     |             |
|          | N. J. Bartlett & Co.....                                    | 4.50     |             |
|          | W. P. Goodman.....  | 114.14   |             |
|          | G. E. Stechert & Co.....                                    | 144.43   |             |
| Dec. 1.  | H. Goldberger (Elliot fund).....                            | 15.24    |             |
|          | Caroline L. Himebaugh (Dean<br>fund) .....                  | 8.40     |             |
|          | F. Mabel Winchell (Dean fund)...                            | 2.80     |             |
|          | W. P. Goodman.....  | 448.42   |             |
|          | W. P. Goodman (Dean fund).....                              | 156.45   |             |
|          | W. P. Goodman (Eaton fund).....                             | 19.35    |             |
|          | Old Corner Bookstore (Elliot<br>fund) .....                 | 19.40    |             |
|          |   |          | \$3,592.89  |
|          | By Dean fund and accumulations:                             |          |             |
| Dec. 31. | Deposit book No. 4078 Guaranty<br>Savings Bank .....        | \$105.00 |             |
|          | Deposit book No. 4557 Guaranty<br>Savings Bank .....        | 16.42    |             |
|          | Deposit book No. 94654 Amoskeag<br>Savings Bank .....       | 2,128.51 |             |
|          | Deposit book No. 39195 Merrimack<br>River Savings Bank..... | 2,040.53 |             |
|          | Deposit book No. 6421 Mechanics<br>Savings Bank .....       | 2,960.03 |             |
|          | Deposit book No. 16445 Manchester<br>Savings Bank .....     | 3,216.77 |             |
|          | Deposit book No. 75958 Manchester<br>Savings Bank .....     | 3,243.45 |             |
|          |   |          | \$13,710.71 |
|          | By Mary E. Elliot fund and accumulations:                   |          |             |
| Dec. 31. | Deposit book No. 2009 Guaranty<br>Savings Bank .....        | \$100.00 |             |
|          | Deposit book No. 2010 Guaranty<br>Savings Bank .....        | 78.94    |             |



REPORT OF THE TRUSTEES OF THE CITY LIBRARY. 345

|          |   |            |             |
|----------|---|------------|-------------|
| Dec. 31. | Deposit book No. 104 Hillsborough<br>County Savings Bank.....   | \$1,745.65 |             |
|          | Deposit book No. 6423 Mechanics<br>Savings Bank .....   | 2,143.87   |             |
|          |   | <hr/>      | \$4,068.46  |
|          | By Eliza A. Eaton fund and accumulations:   |            |             |
| Dec. 31. | Deposit book No. 4327 Guaranty<br>Savings Bank .....  | \$150.00   |             |
|          | Deposit book No. 4328 Guaranty<br>Savings Bank .....  | 35.79      |             |
|          | Deposit book No. 39196 Merrimack<br>River Savings Bank.....   | 1,382.68   |             |
|          | Deposit book No. 106 Hillsborough<br>County Savings Bank.....   | 2,547.08   |             |
|          |   | <hr/>      | 4,115.55    |
| Dec. 31. | By balance of appropriation for purchase of<br>books, 1910, deposited in Merchants National<br>Bank ..... |            | 692.51      |
|          |   |            | <hr/>       |
|          |   |            | \$26,180.12 |
|          |   |            | <hr/> <hr/> |

We have examined the above account of Edwin F. Jones, treasurer of the trustees of the city library, and find the same correctly cast and properly vouched.

EUGENE E. REED,  
WALTER M. PARKER,  
*Committee on Finance of the Trustees of City Library.*

I have examined the above account of Edwin F. Jones, treasurer of the trustees of the city library, and find the same correctly cast and properly vouched.

JAMES E. DODGE,  
*City Auditor.*



REPORT

OF THE

CHIEF ENGINEER, FIRE DEPARTMENT.



# REPORT OF THE CHIEF ENGINEER OF THE FIRE DEPARTMENT.

CHIEF ENGINEER'S OFFICE.

CENTRAL STATION, NO. 8 VINE STREET.

MANCHESTER, N. H., December 31, 1910.

*To the Honorable Board of Mayor and Aldermen of the City of Manchester, N. H.:*

In compliance with law and ordinances of the city, I herewith submit my thirty-second annual report of the fire department, it being the sixty-fifth of this city.

The department responded to one hundred and eighteen (118) bell alarms, and three hundred and eight (308) still alarms, making a total of four hundred and twenty-six (426), an excess of seventy-one (71) over the previous year. One (1) was a second, and three (3) were third or general alarms. One hundred and two (102) have been chimney fires, ninety-two (92) brush or grass fires, fourteen (14) false alarms, five (5) out-of-town (2—2—2) calls, six (6) city dump, fifty-six (56) in stone or brick buildings, two hundred and forty-seven (247) in wooden buildings.

At fires and alarms which have occurred during the year, the department have laid one hundred and sixty-three thousand one hundred (163,100) feet of hose, "thrown" six thousand fifty-eight (6,058) feet of ladders, used one hundred and thirty-three (133) chemical tanks, and three hundred and two (302) pony extinguishers.

The most serious fire of the year was the burning of the Odd Fellows' block a second time (the first being October 20, 1908), on Fast Day, April 28, 1910, for which a third or general alarm was given. Mr. George E. Putney, janitor of the block, and his wife, lost their lives. The fire started in the kitchen of E. R. Barry's restaurant, evidently from fat boiling over while the attendant was in another part of the building, and the fire gained much headway before being discovered, and quickly ascended the elevator well and stairway to the top floor where Mr. and Mrs. Putney roomed, thus cutting off all chances of escape. At this fire, assistance was rendered by a steamer and men from the Concord fire department, and the Coolidge engine from the Amoskeag mills. There were twenty-one lines (14,000 feet) of hose laid.

A third or general alarm was given from box 21, August 7, for a fire in a barn belonging to the estate of Nason Hall, rear of Nos. 29-31 Laurel street, in close proximity to several wooden tenement blocks of an inflammable construction.

October 4 a third alarm was given from box 7, for a stable, garage and tenement property, Nos. 145 to 163 Hanover street. Owing to the hazardous surroundings, and a heavy wind blowing, the three alarms were sounded within the space of nine minutes. At this fire nineteen lines (13,100 feet) of hose were laid.

A second alarm from box 217, May 3, was needless, and was pulled by "an outsider" for a barn on the Cilley road.

In cases where fires have occurred I have endeavored to get as correct figures as possible of the value of the property, the amount of insurance carried, the damage (or loss) sustained, and the amount of insurance paid, and the following is the summary:

|  |             |              |
|--|-------------|--------------|
| Value of buildings where losses have occurred..... |             | \$455,680.00 |
| Value of contents where losses have occurred.....  |             | 230,181.25   |
|  |             | <hr/>        |
| Total value . . . . .                              |             | \$685,861.25 |
|  |             | <hr/> <hr/>  |
| Insurance carried on buildings.....                |             | \$237,275.00 |
| Insurance carried on contents.....                 |             | 148,630.80   |
|  |             | <hr/>        |
| Total insurance carried.....                       |             | \$385,905.80 |
|  |             | <hr/> <hr/>  |
| Damage to buildings.....                           | \$85,604.95 |              |
| Damage to contents.....                            | 55,183.57   |              |
|  |             | <hr/>        |
|  |             | \$140,788.52 |
| Insurance paid on buildings.....                   | \$79,181.35 |              |
| Insurance paid on contents.....                    | 41,084.21   |              |
|  |             | <hr/>        |
|  |             | 120,265.56   |
|  |             | <hr/> <hr/>  |
| Net loss over and above insurance.....             |             | \$20,522.96  |
|  |             | <hr/> <hr/>  |

#### THE MANUAL FORCE

Of the department has been changed by reducing the "call" force twenty-five (25), and increasing the permanent force nine (9) men, so that it now consists of fifty-five (55) permanent, and one hundred and thirteen (113) "call," a total of one hundred and sixty-eight (168) men.

All companies now have permanent captains, and the men are assigned as follows:



|   | Permanent | Call | Total |
|---|-----------|------|-------|
| 1 chief engineer .....                  | 1         |      | 1     |
| 4 assistant engineers .....             |           | 4    | 4     |
| Engine Company No. 1.....               | 4         | 7    | 11    |
| Engine Company No. 2.....               | 4         | 7    | 11    |
| Engine and Ladder Company No. 3.....    | 5         | 15   | 20    |
| Engine Company No. 4.....               | 4         | 7    | 11    |
| Engine and Ladder Company No. 5.....    | 5         | 15   | 20    |
| Engine and Ladder Company No. 6.....    | 5         | 15   | 20    |
| Engine Company No. 7.....               | 4         | 7    | 11    |
| Hose Company No. 1.....                 | 2         | 6    | 8     |
| Hose Company No. 2.....                 | 2         | 6    | 8     |
| Hose Company No. 3.....                 | 2         | 6    | 8     |
| Combination No. 2.....                  | 2         | 6    | 8     |
| Aërial truck No. 1.....                 | 3         | 9    | 12    |
| Chemical No. 1.....                     | 3         | 2    | 5     |
| Auto-Comb. Chemical and Hose Wagon..... | 8         |      | 8     |
| Spare (Sub.) Driver.....                | 1         |      | 1     |
| Driver Supply Wagon.....                |           | 1    | 1     |
|   | 55        | 113  | 168   |

## THE APPARATUS.

An automobile combination chemical and hose wagon, to be used as a "flying squadron," was put into service October 1 with eight permanent men, and has proved a very valuable addition to our fighting force. Its ability to reach the scene of fire quickly, with men "fresh for the fray," has proved its efficiency.

The chemical engine which has done excellent service since April 1, 1886, has been thoroughly overhauled, equipped with new axles and wheels, with rubber tires and band brakes, making it in many respects even better than when new.

The apparatus consists of 7 steam fire engines, 10 hose wagons (two combination chemicals, one with ladders attached), 4 hook and ladder trucks (one an eighty-five foot aërial, carrying other ladders), 1 chemical engine, with two sixty-gallon tanks, 1 automobile combination wagon, with one thirty-five-gallon tank, 9 exercise wagons, 1 supply wagon, 2 spare one-horse hose carriages, 1 fire-alarm telegraph repair wagon, 1 chief's wagon, located as follows:

CENTRAL STATION: Two first size Amoskeag steamers, each with one-horse hose wagon attached, 1 three-horse hitch, 85-foot aërial truck, 1 automobile combination chemical and hose wagon, 1 two-horse hose wagon, 1 double (sixty gallons) tank chemical engine, 1 supply wagon, 1 exercise wagon, 1 chief's wagon, 1 repair wagon for fire-alarm telegraph.

NORTH MAIN-STREET STATION: One second size Amoskeag steamer (three-horse hitch), 1 two-horse combination chemical and hose wagon, 1 old U tank steamer in storage, 1 exercise wagon.

MCGREGORVILLE STATION: One second size Amoskeag steamer, 1 two-horse hose wagon, 1 two-horse hook and ladder truck, 1 exercise wagon.

LAKE AVENUE STATION: One first size Amoskeag steamer, with three-horse hitch, 1 two-horse hose wagon, 1 hook and ladder truck (three-horse hitch), 1 exercise wagon, 1 one-horse hose carriage (in storage).

WEBSTER-STREET STATION: One third size Amoskeag steamer, 1 two-horse hose wagon, 1 two-horse hook and ladder truck, 1 exercise wagon.

MAPLE-STREET STATION: One two-horse hose wagon, 1 exercise wagon.

SOUTH ELM-STREET STATION: One two-horse combination hose wagon, carrying ladders, 1 exercise wagon.

WILSON HILL STATION: One two-horse combination chemical and hose wagon, 1 exercise wagon, 1 one-horse hose carriage (in storage).

SOMERVILLE-STREET STATION: One second size Amoskeag steamer (with three-horse hitch), 1 two-horse hose wagon, 1 exercise wagon.

In addition to the foregoing there is 1 hose carriage in Amoskeag on front street, 1 hose carriage corner Massabesic street and Mammoth road (both volunteer companies), 1 hose carriage, Devonshire Mills, Goffe's Falls, 5 sleds used as hosesleds in the winter.

#### THE BUILDINGS.

The south end of the Central station has been remodeled quite extensively, taking the room formerly used for the fire-alarm telegraph wagon and storeroom and refitted for the "Flying Squadron," making very convenient quarters for the auto-combination wagon; although rather cramped sleeping quarters for the men, but better accommodations are "promised" in our new station (?).

The roof over the quarters of the aerial truck should be rebuilt in such a manner as to carry off the water in better shape. It has been leaky for several years, notwithstanding its many patchings, and will continue so until rebuilt.

I have for several years called for a box-stall at Engine and Ladder No. 5, and hope to see a place arranged for the better care of sick horses at this station, early the coming season.

The other buildings used by the department have received only ordinary repairs.

A new and larger heating boiler should be installed at the Central station. The present boiler has been in service *over thirty years*, and, aside from being old, is much too small for the service required of it.

## THE HORSES.

There are fifty-five (55) horses in use in the department at the present time, and with but few exceptions are well adapted to the business. Four or five might be changed "for the good of the service," and will, in all probability, as we find suitable ones can be found to replace them.

## THE FIRE-ALARM TELEGRAPH.

Some agitation has been had regarding placing the apparatus of this very important branch of the fire department in a fireproof building. Such a change cannot be made too quickly for the welfare of the city, and should receive your early and careful attention; as well as the placing the overhead wires of our business section underground.

Two additional boxes have been added to the system the present year. April 11, box 542, at corner of Second and Hancock streets, near the Crafts & Green shoe shop; and December 10, box 211, on Taylor street near proposed extension of Holly avenue.

## CASUALTIES.

*February 13.* Frank P. Cleveland of Hose No. 3, while responding to an alarm from box 217, sprained ankle. Off duty nine days.

*April 8.* At Odd Fellows' block fire, box 7, J. F. Kearns of Hose 1 injured arch of foot and sprained ankle. Off duty sixty-six days.

Walter Morse, engineer of Engine No. 4, at same fire burned his hand, resulting in blood poisoning. Off duty twelve days.

*October 1.* While working about the engine house Captain Jeremiah Lane of Engine No. 2 fell from a stepladder, injuring his leg, necessitating his conveyance to a hospital, where an operation was performed. Off duty seventy days.

*October 27.* Thomas Smith of Hose No. 2, while alighting from hose wagon at an alarm from box 115, sprained ankle. Off duty seven days.

*October 30.* James S. Long of Engine No. 7, while responding to an alarm from box 4, sprained knee. Off duty fifteen days.

*November 20.* Fred S. Morrill, engineer of Engine No. 7, sprained his ankle, while at an alarm from box 63. Off duty twenty-one days.

*November 28.* Alvin C. Drescher of Engine No. 2, while working at an alarm of fire from box 323, sprained ankle. Off duty ten days.

## THE FIREMEN'S RELIEF ASSOCIATION.

For the donations from the following liberal citizens I desire, in behalf of the members of this department, to return their grateful acknowledgments. The financial condition is as follows:

|  |             |
|--|-------------|
| Balance on hand, annual meeting, February 14, 1910.... | \$10,046.40 |
| Received for membership dues.....                      | 208.00      |
| interest on deposits.....                              | 349.09      |
| Donations:   |             |
| James A. Scully .....                                  | 10.00       |
| "A friend" .....                                       | 12.00       |
| Jeremiah Hodge .....                                   | 30.00       |
| Samuel J. LaFlamme .....                               | 10.00       |
| John P. Cronan .....                                   | 25.00       |
| Mrs. Georgiana Ray .....                               | 25.00       |
| George H. Chandler .....                               | 25.00       |
| James W. Hill Co.....                                  | 25.00       |
| Albert Ruemely .....                                   | 5.00        |
| "A friend" .....                                       | 10.00       |
| The Bell estate .....                                  | 50.00       |
| The Barton Co.....                                     | 25.00       |
| "A friend" .....                                       | 10.00       |
| Benjamin E. Thompson .....                             | 5.00        |
| David A. Taggart .....                                 | 25.00       |
| Freeman Higgins and F. B. Dennett.....                 | 20.00       |
|  | <hr/>       |
|  | \$10,915.49 |

## CR.

|  |             |
|--|-------------|
| Paid Lyman W. Piper, benefit.....                                | \$9.00      |
| Thos. W. Lane, Jr., benefit and doctor's bill.....               | 322.14      |
| Frank P. Cleveland, benefit and doctor's bill.....               | 17.00       |
| Walter Morse, benefit and doctor's bill.....                     | 27.00       |
| J. F. Kearns, benefit and doctor's bill.....                     | 79.50       |
| Capt. Jeremiah Lane, benefit, doctor and hospital<br>bills ..... | 227.90      |
| James S. Long, benefit.....                                      | 15.00       |
| Fred S. Morrill, benefit and doctor's bill.....                  | 22.50       |
| Thomas Smith, benefit and doctor's bill.....                     | 9.00        |
| Alvin C. Drescher, benefit and doctor's bill.....                | 17.00       |
| John H. McCabe (old account) doctor's bill.....                  | 2.00        |
| John J. Lyons (old account), doctor's bill.....                  | 1.00        |
| Mrs. Walter Clarkson, funeral benefit.....                       | 50.00       |
| Oscar P. Stone, secretary.....                                   | 25.00       |
|  | <hr/>       |
|  | \$824.04    |
| Leaving a balance to new account.....                            | 10,091.45   |
|  | <hr/>       |
|  | \$10,915.59 |

## CONCLUSION.

I would again renew my recommendations for a light "city truck" for the Somerville station to supply the needs of this rapidly-growing section of manufacturing and residential buildings.

Would recommend a Dahill pneumatic ladder hoist for the aerial truck, with water tower attachment, and substituting truss ladders for the heavy ones now on said truck.

The practical results already derived by the use of our "Flying Squadron" for the three months it has been in service proves conclusively its usefulness, and the reduction in insurance rates since its establishment, makes it a "money saver" to our property owners, and I would earnestly recommend *not a duplicate*, but one on similar lines, capable of carrying more two and one half inch hose, and two chemical tanks to take the place of the two-horse hose wagon on the West Side, at Engine Co. No. 2.

I desire to return my thanks to such members of the city councils, who, by their kind words, friendly acts, and liberal appropriations, have aided in maintaining the high efficiency of this department; to the police force for their prompt and willing assistance, and to each and every member of this department for their willing and zealous support in the performance of their many duties as firemen.

Respectfully submitted,

THOMAS W. LANE,

*Chief of Fire Department.*

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### Number and Location of Fire Alarm Boxes and Keys.

A KEY IS ATTACHED TO EACH BOX (with few exceptions), and can be had by breaking the glass.

No. 3. American Locomotive Company's lower shop. Keys at offices of gas-works, county jail, Manchester Coal & Ice Company's sheds, and the Hutchinson shop building.

No. 4. Corner Spruce and Elm streets. Keys at Hotel Milford, L. B. Bodwell & Co.'s, Palmer & Garmon's, street railway stables, and office of Blodgett & Young's block.

No. 5. Corner of Merrimack and Elm streets. Keys at Tebbetts & Co.'s and Hanscom's drug stores, Manchester House, and J. W. Hill Company's store.

No. 6. City hall. Keys at Holland's and Weeks' drug stores, Riddle block office, and residence of J. L. Brock, 21 Amoskeag Corporation.

No. 7. Police station, corner of Manchester and Chestnut streets. Keys at chief of police's office and with all police officers.

No. 8. Corner Elm and Hollis streets. Keys at Dante Smith's and Leblanc & Provencher's drug stores, and Partridge Brothers' grain store.



No. 9. Corner of Elm and Webster streets. Keys at residence of Mrs. H. D. Corliss, J. Freeman Clough, and station of Engine and Ladder No. 5.

No. 12. Corner of North and Pine streets. Keys at residence of Mrs. Walter A. Green, and O. D. Knox.

No. 13. Corner of Brook and Chestnut streets. Keys at residence of Welcome Jencks and Mrs. Lewis Simons, No. 1 Senter's block, and Sfeele's grocery store.

No. 14. Corner of Prospect and Union streets. Keys at residences of Mrs. W. Ireland, Mrs. George W. Riddle, D. J. Adams, and Mrs. Thomas Morgan.

No. 15. Corner of Pearl and Chestnut streets. Keys at residences of Henry W. Shannon and J. Fred Chalker.

No. 16. Corner of Lowell and Union streets. Keys at residences of Rt. Rev. Bishop Guertin and R. H. Hassam.

No. 17. Corner of Amherst and Beech streets. Keys at residences of Miss Mary A. Watts and Michael Connor.

No. 18. Corner of Manchester and Maple streets. Keys at residences of the late H. E. Stevens, A. N. Baker, and William Perkins' estate.

No. 21. Corner of Merrimack and Pine streets. Keys at A. D. Smith's drug store, J. McKeon's grocery store, A. L. Walker's office, and residence of James F. Gillis.

No. 23. Corner of Central and Beech streets. Keys at the residence of the late Eben T. James.

No. 24. Engine and Ladder Company No. 3 house, corner of Masabesic street and Lake avenue. Keys at the residence of D. M. Goodwin and station of Engine and Ladder No. 3.

No. 25. Corner of Hanover and Ashland streets. Keys at residences of George F. Lincoln, Mrs. A. D. Gooden, and James R. Straw.

No. 26. Corner of Bridge and Russell streets. Keys at McCrillis' carriage shop.

No. 27. Corner of Belmont and Amherst streets. Keys at residences of E. S. Fletcher, Dr. Walter T. Crosby, and Mrs. William Carr.

No. 28. Corner of Merrimack and Beacon streets. Keys at residences of A. L. Garmon and H. B. Fairbanks.

No. 29. Corner of Hall and East High streets.

No. 31. Corner of Canal and Hollis streets. American Locomotive Company's shop. Keys at office, Amory Mills, Langdon Mills watchrooms.

No. 32. Langdon Mills block, corner of Canal and Brook streets. Keys at the Amoskeag Paper Company's mill, Langdon watchroom, and Electric Light station.

No. 34. Jefferson Mill. Keys at watchroom and pumping station.

No. 35. Stark Mills. Keys at watchroom.



- No. 36. Amory Mills. Keys at watchroom.
- No. 39. Hillsborough county jail. Keys at office.
- No. 41. Amoskeag Mills. Keys at watchroom.
- No. 42. Manchester Mills. Keys at watchroom.
- No. 43. The Olzendam Mill. Keys at watchroom.
- No. 45. The S. C. Forsaith shops. Keys at freight depot and office in building.
- No. 51. Corner of Walker and Second streets. Keys at the stores of F. Riedel and Henry Weber.
- No. 52. Granite Square, corner Main street, West Manchester. Keys at Merrimack Hotel, Wiggin-Young grocery, and Engine No. 2.
- No. 53. The West Side Lumber Co.'s steam mill. Keys at mill office, Dewey's tenement block, and Ranno's harness store.
- No. 54. Corner of A and South Main streets. Keys at residences of Lord sisters, Neil Fullerton, and grocery store opposite box.
- No. 56. Mast street, opposite Baldwin's bobbin shop. Keys at Baldwin's office and residences of J. C. Smith, E. P. Littlefield, and with watchman at works.
- No. 57. Corner Mast road and D street. Keys at residence of C. H. George and F. W. Towle's store.
- No. 61. Hose No. 3, South Elm street. Keys at Hose house.
- No. 62. Manchester Wool & Leather Company's, Brown avenue. Keys at tannery, the Edwin Kennedy house, and Hose 3.
- No. 63. Corner Beech street and Titus avenue. Keys at residences of L. E. Carswell and C. L. Wenberg. (No key on box.)
- No. 64. Corner Pine and Willow streets. Keys Cohas Shoe factory, the Lincoln House, and Stevens Bros.' Marble Works. (No key on box.)
- No. 71. Corner of Cedar and Pine streets. Keys at residences of T. Collins, Daniel Sheehan, Thomas J. Smith, Simon McCarthy.
- No. 72. Corner of Lake avenue and Lincoln street. Keys at residences of the late Austin Jenkins and James Briggs.
- No. 73. Corner of Beech and Cedar streets. Keys at residences of Rev. J. A. Chevalier and Timothy Carr.
- No. 81. Central Fire station, Vine street. Keys at all the engine rooms.
- No. 82. Old City Hotel, corner Lowell and Church streets. Keys Lowell-street stable and Eames Bros.' drug store.
- No. 91. Corner Webster and Beech streets. Keys at Children's Home and residences of George E. McClintock, Solomon Johnson, M. E. Sanctuary. (No key on box.)
- No. 92. Corner Union and Clarke streets. Keys at residences of Mrs. Julia B. Bradford and E. H. Nutting.
- No. 93. Corner of Elm and Carpenter streets. Keys at residences of A. H. Weston and Dr. George D. Towne.

No. 112. Corner of Sagamore and Union streets. Keys at residences of W. A. Clarkson, M. D. Johnson, and Charles F. Chase.

No. 113. Corner of Oak and Prospect streets. Keys at residences of Mrs. William B. Abbott, W. N. Johnson, and E. M. Topliff.

No. 114. Corner of Pearl and Ash streets. Keys at residences of John J. Bennett and Mrs. Harriet L. Healey and Ash-street school-house.

No. 115. Corner of Blodget and Ash streets. Keys at residences of James A. Rogers and Cyren Bixby.

No. 116. Corner Salmon and Ash streets. Keys at Masonic Home.

No. 117. Corner of Sagamore and Russell streets.

No. 211. Corner of Taylor street and Holly avenue. Keys at residences of T. B. Stevens, 109 Taylor street; W. O. Corbin, 443 Holly avenue, and A. J. Prescott, 502 Holly avenue. (No key on box.)

No. 212. Shoe shop, Hallsville. Keys at the office of the shoe factory and residences of Charles C. Chase, G. W. Dearborn, M. V. B. Garland, and the Walter Cody block.

No. 213. Sash and blind factory. South Beech street, junction of Portsmouth railroad. Keys at offices of Derryfield Sash & Blind Company.

No. 214. Elliot silk mill, corner of Wilson and Valley streets. Keys at office and watchroom of mill.

No. 215. Hoyt & Co.'s shoe shop, corner of Lincoln and Silver streets. Keys at offices of shoe shop and Kimball Carriage Company and workshop opposite.

No. 216. Jewett and Somerville streets. Keys at residences of G. H. Hill, 140 Jewett street, and W. B. Brown, 128 Jewett street.

No. 217. Corner Candia road and Massabesic street. Keys at residences of L. M. Streeter, William Gadbois, and Charles P. Still.

No. 218. Corner of Somerville and Hall streets. Keys at residences of Mrs. George Hall and George Kay.

No. 219. Eaton Heights shoe shop, Page street. Keys at shoe shop office and residences of Charles A. Merrill, John P. Young, and Joseph W. Rand. (No key on box.)

No. 224. Corner of Belmont and Grove streets. Keys at residences of John A. Adams, Joseph Quirin, and Mrs. H. G. Walker.

No. 241. Lake avenue hill. Key at residence of Harry L. Davis.

No. 242. Merrimack and Wilson streets. Keys at Capt. C. R. Merrill's and Engine and Ladder Company No. 3.

No. 243. Corner Candia road and Sherburne street. Keys at residences of Fred L. Watts, Alex Oliver, Andrew J. Murray, and Mrs. S. L. Cummings. (No key on box.)

No. 261. Pearl-street grammar school. Keys at schoolroom and residences of C. E. Rose, S. W. Bascom, and Charles W. Cheney.

No. 263. Corner Bridge street and Mammoth road. Keys at residences of Mrs. Hiram Turner, Andrew J. Johnson, A. D. Sherer, Harvey T. Corey, and city farm. (No key on box.)

No. 312. Corner of Putnam, Main, and McGregor streets. Keys at residences of James Spence (309 Main street), Thomas Bolton, and gate No. 11 mill.

No. 313. Corner of Amory and Main streets. Keys at residences of Allen Dean and Lawrence M. Connor, Potvin's drug store, Miville & Co.'s drug store, gate of No. 11 mill, and station of Engine and Ladder No. 6.

No. 314. Manchester Stocking Co., 'Skeag. Keys at office and Riverside Hose House.

No. 315. Old Brick store, 'Skeag. Keys at Riverside Hose House and D. Jameson's residence.

No. 321. Corner of Notre Dame avenue and Wayne street. Keys at Holy Angels convent, the Brothers' school, and residences of E. H. Doherty, and the parish priest.

No. 323. Corner of Putnam and Bartlett streets. Keys at P. J. Archaibeault's bakery and residence of Mitchell Barry.

No. 324. Amory and Laval streets.

No. 325. Kelly and Cartier streets.

No. 511. Corner of Douglas and Green streets. Keys at residences of Amelia Davis, William A. Tufts and James Kearns.

No. 512. Corner of Notre Dame avenue and Adams street. West Side.

No. 513. Corner of Milford and Carroll streets. Keys at residences of J. W. Abell, James Ward, and Mrs. Elizabeth Ward.

No. 521. Corner Parker and Winter streets.

No. 541. Corner of Boynton and Allen streets. Keys at residences of Herbert F. Dow, Patrick J. Connor, Charles Tinker, and Benjamin J. Mack.

No. 542. Corner of Second and West Hancock street. Key at office of the Crafts shoe shop.

No. 611. Corner of Hancock street and Boston & Maine Railroad. Keys at offices of True W. Jones' Brewery and Manchester Slaughtering and Rendering Works.

No. 711. Corner of Union and Grove streets.

No. 911. Corner of Union and Trenton streets. Keys at residences of the late Charles R. Hodge, C. S. Boynton, Mrs. William R. Varick, and Bixby Bros.' greenhouse. (No key on box.)

Also keys will be found in the hands of all regular police.

The true time will be given at precisely 12.30 P. M. from Charles A. Trefethen's jewelry store, and will be denoted by one stroke of the fire bells.

### Fire Department Telephone Calls.

|  |        |
|--|--------|
| Chemical Engine, Central Station.....        | 94     |
| Engine No. 2.....                            | 1481   |
| Engine and Ladder No. 3.....                 | 1485   |
| Engine and Ladder No. 5.....                 | 1483   |
| Engine and Ladder No. 6.....                 | 1482   |
| Engine No. 7.....                            | 373    |
| Hose No. 2.....                              | 1484   |
| Hose No. 3.....                              | 1486   |
| Combination No. 2.....                       | 1487   |
| Chief Engineer Lane's office.....            | 94     |
| Chief Engineer Lane's house.....             | 1480   |
| Deputy Chief Provost's store .....           | 1342   |
| Deputy Chief Provost's house .....           | 531—2  |
| Deputy Chief Fitzsimmons' house.....         | 1359—1 |
| Deputy Chief Hammond's house .....           | 814—2  |
| Deputy Chief Merrill's house .....           | 517—1  |
| C. H. French, superintendent fire-alarm..... | 1383—1 |

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### Instructions to Keyholders and Citizens.

1. Upon the discovery of a fire, notice should be immediately communicated to the nearest alarm box, the key of which is in a circular box attached to the right side of the fire-alarm box. Keys are also in the hands of all regular police, and generally of persons at the corner or nearest house.

2. Keyholders and others, upon the discovery of a fire, or positive information of a fire, will unlock the box, pull down the hook once as far as it will go (without jerking), and then let go. Shut the door, but do not try to remove the key, as it is locked in by a trap lock, and can only be removed with a release key, which is carried by each of the engineers, and they will, as soon as convenient, release and return it.

3. All persons giving fire alarms are requested to remain by the box a moment, and if no clicking is heard in the box, pull again; if you still hear no clicking, go to the next nearest box and give an alarm from that. **DON'T GIVE A SECOND ALARM** without instructions from an engineer, or officer in charge of the fire.

4. Never signal for fire seen at a distance. Never touch the box except to give an alarm of fire. Give an alarm for no other cause than actual fire. **DON'T GIVE AN ALARM FOR A CHIMNEY FIRE.**

5. Never let the keys go out of your possession unless called for by the chief engineer. *If you change your residence or place of business, where the keys are kept, return the keys to the same officer.*



6. Owners and occupants of buildings are requested to inform themselves of the location of alarm boxes near their property; also all places where the keys are kept. Be sure the alarm is promptly and properly given.

7. Alarms will be sounded upon all the fire-bells in the city, and the number of the box will be given thus: Box 6, six blows,  $2\frac{1}{2}$  seconds apart, repeated three times. Box 212, two blows, pause of  $6\frac{1}{4}$  seconds, one blow, same pause, and two blows, 2—1—2, repeated three times.

8. The engineers reserve the right to give one stroke of the bells at any time; and in case of testing the boxes, each test will be preceded by one stroke of the bells.

#### SPECIAL CALLS ON FIRE ALARM.

When more apparatus is wanted, without giving second and third alarms the following special calls will be given:

|                         |                        |
|-------------------------|------------------------|
| 2—1 for Engine 1.       | 3—3 for Truck 3.       |
| 2—2 for Engine 2.       | 3—5 for Truck 5.       |
| 2—3 for Engine 3.       | 3—6 for Truck 6.       |
| 2—4 for Engine 4.       | 4—1 for Hose 1.        |
| 2—5 for Engine 5.       | 4—2 for Hose 2.        |
| 2—6 for Engine 6.       | 4—3 for Hose 3.        |
| 2—7 for Engine 7.       | 4—4 for Combination 2. |
| 1—1—1 for Aërial Truck. |                        |

Companies answering "special calls" will wait thirty seconds before leaving quarters, to prevent mistakes.

#### THIRD ALARM.

On THIRD ALARM all apparatus will respond.

#### GENERAL ALARM.

In the event of a fire of such magnitude that second and third alarms are needed, a general alarm will be given by striking TEN BLOWS, in which case all companies will respond.

#### OUT-OF-TOWN CALL.

For a fire out of the city or brush fire, 2—2—2, all companies will assemble at their respective quarters and await orders.

#### ALL OUT SIGNAL.

Two blows on the bells, which dismisses all members at company quarters.

The signal will be given after companies working at a fire have returned to quarters, "made up," and are ready to respond to another alarm.

## TEST SIGNAL.

One blow at 12.30 noon.

## SCHOOL SIGNALS.

1—1, with fifteen seconds between blows, closes primary and middle schools.

2—2, with fifteen seconds between the 2's, closes all the schools.

Time for giving same, 7.30 A. M., 11.30 A. M., or 1.15 P. M.

## MILITARY CALL.

12 blows twice.

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**Engine Whistle Signals.**

The following code of signals will be observed by members of the department:

For CAPTAIN, or officer in command of company, one long whistle.

For COAL, two long whistles followed by as many short whistles as indicate the number of the engine.

To LIMBER UP, three long whistles.

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**Entering a Building With Line of Hose.**

All steamer and hose companies are instructed not to enter any building with a line of hose unless the stop nozzle is closed, except in cases where they can see the fire, and when their streams will reach it without damage to other property, due care being exercised as to whether their services are needed.

Extra care should be exercised by hosemen of steamer companies in using "shut-off" nozzles, shutting off to be slowly and gradually when steamer is working.

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**Absent from City or Station.**

No permanent member shall leave his station to visit any section of the city without permission of the chief or an assistant engineer (or the permanent captain in charge of his company), nor leave the city, or be granted leave of absence, without notifying the chief engineer and procuring a substitute to his acceptance, and the substitute shall be on duty before the applicant leaves his post, except on his regular "days off."

*Any call member expecting to be absent from the city shall notify the captain of his company, and before leaving the city shall procure a substitute satisfactory to said captain.*



Substitutes running for and answering the names of any call man shall be entitled to the same pay, *pro rata*, as the call man for whom they answer for the time they substitute, and the clerks of the several companies shall keep said substitutes' time and notify the regular call man of the amounts due from him and pay said amount to the substitute performing said service.

Any member of the department not complying with the above rules shall be liable to suspension or expulsion from the department.

The hour of leaving will be 7 o'clock A. M., and members will not leave their stations until the arrival of the spare driver. They must report *promptly at 7 o'clock* the following morning for duty.

Those whose breakfast hour is 6 o'clock will remain at station until 7 o'clock on the dates of their "days off."

Should a fire be in progress at the hour of changes, men will remain on duty until the "all out" is given, except permission is obtained of the chief, or engineer in charge of fire, to retire. Should a "general" or third alarm be rung while members are in town, they will be expected to report for duty on their days off.

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### List of Fires and Alarms Responded to During 1910. Loss and Insurance.

STILL. Saturday, January 1, 6.10 A. M. Four-story brick building, Lake avenue, corner of Hall street; owned by Oak Hill lodge of Odd Fellows, and occupied by them and others. Fire was confined to shavings and rubbish in the basement about the furnace. Members of Engine and Ladder No. 3 responded. Used two pony extinguishers.

STILL. Saturday, January 1, 8.12 A. M. Four-story brick building, No. 1103 Elm street, owned by Freeman Higgins and Dr. A. B. Story heirs, and occupied by Thomas J. Foley. Cause, stove explosion on account of frozen water heater. Chemical engine responded. Used one chemical tank.

Box 7. Saturday, January 1, 8.18 A. M. Two-story wooden building, No. 195 Manchester street, owned by Levi Dodge, and occupied by Napoleon J. Jacques as a blacksmith shop. Cause, sparks from the forge or stove. Box pulled by citizen. Companies responding: Engines 1, 3, 4, Chemical, Hose 1, and Trucks 1 and 3. Value of building, \$500; damage, \$125; insurance, \$300. Insurance paid, \$100. No damage to contents.

STILL. Saturday, January 1, 10.35 A. M. Rekindling of the above fire, in partition. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, January 1, 7.50 P. M. Two-and-one-half-story dwelling-house, No. 63 Harrison street, owned by heirs of Thomas Wilson, and occupied by George P. Wallace. Members of Chemical engine responded. Cause, hot furnace. No services required.

Box 213. Monday, January 2, 10.08 A. M. One-story brick boiler-room, connected with the Derryfield Company's door, sash and blind factory, 39-59 South Beech street, C. & P. railroad crossing. Cause, plug blew out of boiler. No fire. Box pulled by citizen. Companies responding, Engines 3, 7. Chemical, Hose 2, 3, Truck 3.

STILL. Tuesday, January 4, 11.40 A. M. Chimney fire in six-tenement wooden block, No. 230 East High street, owned by Mrs. John H. Riedell, and occupied by F. X. Hastings and others. Members of Hose 2 responded. Used two pony extinguishers.

Box 73. Tuesday, January 4, 7.00 P. M. Chimney fire in three-story tenement block, No. 182 East Spruce street, owned by Eugene G. Flanders and occupied by Peter Tousignant. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 2, 3, Truck 3.

Box 5. Wednesday, January 5, 3.40 A. M. Large barn, in rear of No. 525 Elm street, and 11 Cedar street, owned by Edward M. Slayton, and occupied by D. Cassis, who sublets to two others. Three horses, were destroyed. Cause unknown. Box pulled by Officer Rourke. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$1,000; damage, \$1,000; insurance, \$800; insurance paid, \$800; value of contents, \$600; damage, \$600; no insurance.

STILL. Wednesday, January 5, 9.40 P. M. Chimney fire in cottage house, No. 476 Hall street, owned by John K. Russell, and occupied by Mrs. Nellie Newhall. Members of Engine and Ladder 3 responded.

Box 911. Thursday, January 6, 11.05 P. M. False alarm, pulled by Walter S. Gamble, who was arrested and later held as the incendiary who fired Robert Clark's barn on Arah street January 10, 1908. Companies responding, Engine 5, Chemical, Hose 1, Truck 5.

STILL. Friday, January 7, 4.25 P. M. Chimney fire in three-story brick block, No. 2 Hollis street, owned by Martha Hubbard, and occupied by Napoleon Mahew. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, January 7, 6.53 P. M. Chimney fire in nine-tenement wooden building, No. 23 Wayne street, owned by Robert Leggett, and occupied by Ovide Rouleau and others. Engine and Ladder Company No. 6 responded with Hose wagon. Used two pony extinguishers.

STILL. Friday, January 7, 8.20 P. M. Chimney fire in two-and-one-half-story wooden tenement house, No. 501 Cedar street, owned by Chote Ferris, and occupied by Thomas Routs. Chemical engine responded. Used one chemical tank.

STILL. Saturday, January 8, 5.00 P. M. Two-and-one-half-story tenement house, No. 53 Amherst street, owned by estate of Ellen Kerins, and occupied by John O'Shea, and others. Cause, overheated stove-pipe. No services required.

STILL. Wednesday, January 12, 6.03 A. M. Five-story brick and stone building (The Beacon), Nos. 810-824 Elm street, owned by Harry G. Clough and Welch heirs, and occupied by several parties as stores

and offices. Cause, smoke from furnace. No fire. Chemical engine responded.

STILL. Thursday, January 13, 1.15 P. M. Cottage house, No. 472 Maple street, owned by William Corey, and occupied by E. B. Stearns. Cause, fat burning in oven of gas stove.

STILL. Monday, January 17, 7.55 P. M. Four-story brick shoe factory on Willow street, near corner of Pine street, owned by Cohas Building Company, and occupied by McElwain & Co. Cause, curtain caught from gas heater. Members of Hose Company No. 3 responded with wagon. No services required.

STILL. Wednesday, January 19, 3.55 P. M. Two-and-one-half-story dwelling, No. 54 Walnut street, owned by Ruthenian Catholic Society, and used as a parsonage. Cause, steam in chimney from break in boiler section. Members of Hose Company No. 2 responded. No services required.

STILL. Friday, January 21, 8.50 A. M. One-story wooden "Hand car" house, at the foot of Salmon street, owned and occupied by the Boston & Maine Railroad. Cause, overheated stove, igniting roof. Members of Engine and Ladder Company No. 5 responded. Used two pony extinguishers.

STILL. Saturday, January 22, 4.30 P. M. Six-tenement wooden block, No. 410 Dubuque street, owned by Marie Gelinas, and occupied by Urbain Gelinas, and others. Cause, spontaneous combustion among oily rags left by painters. No damage. Members of Engine and Ladder Company No. 6 responded. No services required.

Box 21. Saturday, January 22, 4.32 P. M. Two-and-one-half-story wooden dwelling, No. 37 Laurel street, owned by H. Nason Hall estate, and occupied by Mary Thompson on third floor where a gas stove was overturned. Damage slight. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, Trucks 1, 3.

Box 15. Saturday, January 29, 6.43 P. M. Two-and-one-half-story wooden tenement house, No. 102 Orange street, owned by Mrs. Viola S. Bean, and occupied by T. Baron and George Gelinas. Cause, gas jet set fire to partition. Extinguished before arrival of apparatus. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$4,500; damage, \$25; insurance, \$2,000; insurance paid, \$25. No damage to contents.

Box 23. Tuesday, February 1, 4.56 P. M. Cottage house, No. 169 Laurel street, owned and occupied by Paul Ratner. Fire in clothes closet in ell-part. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, Truck 3. Value of building, \$4,000; damage, \$50; insurance, \$2,500; insurance paid, \$50. Value of contents, \$3,000; damage, \$103; insurance, \$800; insurance paid, \$103.

STILL. Wednesday, February 2, 9.30 A. M. Two-story wooden building, No. 915 Elm street, owned by the Manchester Children's Home,

and occupied by the United Tobacco Company. Cause, smoking furnace. No services required.

STILL. Thursday, February 3, 8.05 A. M. Two-and-one-half-story dwelling, No. 413 Dubuque street, owned by Neri Mithropolos, and occupied by two families. Cause, oil stove overturned by Amidee Juneau. Members of Engine and Ladder Company No. 6 responded with Hose wagon. Used one pony extinguisher. Damage slight.

Box 321. Friday, February 4, 12.15 M. Four-story building, Notre Dame Hospital on Notre Dame avenue. Cause, gas stove taking fire from a leaky pipe. No damage. Box pulled by boy. Companies responding, Engines 2, 6, Hose 1, Trucks 1, 6.

STILL. Sunday, February 6, 7.15 P. M. Chimney fire in two-and-one-half-story dwelling-house, No. 317 Dubuque street, owned by Gabriel Lemieux, and occupied by Joseph Dionne and others. Members of Engine and Ladder Company No. 6 responded. Used one five-gallon extinguisher.

STILL. Sunday, February 6, 8.40 P. M. A log cabin in a grove on Brown avenue, near Pine Grove cemetery, owned by Harry P. Ray, and unoccupied. Cause, supposed to have been set by tramps. Damage slight. Used two pony extinguishers.

STILL. Monday, February 7, 12 M. Chimney fire in two-and-one-half-story tenement block, No. 507 Maple street, owned by Samuel Thompson, and occupied by Howard L. Pike and others. Members of Hose Company No. 2 responded. Used one pony extinguisher.

STILL. Monday, February 7, 12.05 M. Chimney fire in tenement block, No. 5 Barr street, owned by several families. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher and one chemical tank.

STILL. Monday, February 7, 12.20 M. Chimney fire in tenement block, No. 121 School street, owned by Willis B. Kendall, and occupied by several families. Members of Engine Company No. 2 responded. Used one chemical tank.

STILL. Monday, February 7, 4.50 P. M. Chimney fire in two-story tenement block, No. 22 Nicolet lane, owned by Gordon Woodbury, and occupied by eight families. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Tuesday, February 8, 11.40 A. M. Waste paper in the cellar of three-story tenement block, No. 214 Wilson street, owned by Henri Guillet, and occupied by several families. Engine Company No. 7 responded. No services required.

Box 81. Wednesday, February 9, 8 A. M. Three-story brick block, No. 986 Elm street, owned by Rowell & Cronan, and occupied by several stores. The fire started in the basement in a clothes-cleaning room. Cause unknown, but was probably aided by benzine. Box pulled by Engineer Joseph H. Gould of Engine 4. Companies responding, Engines 1, 4, Chemical, Hose 1, Truck 1. Value of building, \$50,-



000; damage, \$2,700; insurance, \$3,500; insurance paid, \$2,676. Value of contents, \$8,417.75; damage, \$3,752.83; insurance, \$10,157; insurance paid, \$3,251.83.

Box 53. Thursday, February 10, 3.16 P. M. Three-story wooden dwelling-house, No. 165 Third street, owned by William McArthur, and occupied by him and two other families. Cause, defective flue. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6. Value of building, \$5,100; damage, \$1,220; insurance, \$1,800; insurance paid, \$1,220. Value of contents, \$850; damage, \$375; insurance, \$500; insurance paid, \$375.

STILL. Thursday, February 10, 7.54 P. M. Chimney fire in three-story wooden block, No. 276 Pine street, owned by Johanna Kerins' heirs, and occupied by Kathasas Phlanis.

Box 82. Friday, February 11, 6.45 P. M. Two-story wooden dwelling, No. 28 Bridge street, owned by Francis Roy, and occupied by Charles LeBlanc. Cause, throwing kerosene lamp. No damage. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

Box 217. Sunday, February 13, 3.34 A. M. Two-story wooden building, No. 170 Oakland avenue, owned by Mrs. Angelina Messier, and occupied as grocery store (down stairs) by Rouleau and Messier. Cause, hot ashes. Box pulled by Napoleon Messier. Companies responding, Engines 3, 7, Hose 2, Combination 2, Truck 3. Value of building, \$2,000; damage, \$287; insurance, \$1,500; insurance paid, \$287; value of contents, \$800; damage, \$250. No insurance.

STILL. Sunday, February 13, 6.07 P. M. Chimney fire in two-story dwelling, No. 503 Beech street, owned and occupied by F. W. Chamberlin. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, February 18, 5.10 A. M. Chimney fire in cottage house, No. 293 Spruce street, owned by Owen Kenney, and occupied by F. W. Wiggin. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

STILL. Friday, February 18, 3.15 P. M. Chimney fire in three-story wooden tenement block, No. 89 Amherst street (unoccupied); owned by estate of John D. Patterson. Members of Chemical Company responded. Used two pony extinguishers.

STILL. Saturday, February 19, 7.40 P. M. Chimney fire in four-story brick block, No. 40 Middle street, owned by the Amoskeag Manufacturing Company, and occupied by John C. Gallagher.

Box 5. Saturday, February 19, 7.42 P. M. Four-story brick building, No. 7 Dean avenue, owned by Addie Pushee, and occupied by Charles A. Hoitt Co. as upholstering rooms. Cause, overheated stove. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$7,000; damage, \$83.34; insurance, \$4,500; insurance paid, \$83.34. Value of contents, \$7,000; damage, \$3,000; insurance, \$6,300; insurance paid, \$3,000.

STILL. Wednesday, February 23, 2.45 A. M. Freight car on Franklin street side track, owned by the Boston & Maine Railroad, and loaded with merchandise belonging to E. M. Slayton Co. Cause, overheated stove. Chemical Engine responded. Used one pony extinguisher.

STILL. Wednesday, February 23, 10.22 A. M. Three-story wooden tenement block, No. 226 Chestnut street (rear), owned by John Ryan, and occupied by Gelia Gaudis. Cause, smoky stove. Chemical engine responded.

STILL. Wednesday, February 23, 7.40 P. M. Chimney fire in two-and-one-half tenement house, No. 238 Cartier street, owned by A. T. Beaumier, and occupied by three families. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Thursday, February 24, 6.45 A. M. Chimney fire in two-and-one-half-story dwelling-house, No. 104 Lowell street. Owned by A. L. Clough, and occupied by Mrs. A. B. Wheeler. Chemical Engine Company responded. Used one pony extinguisher.

STILL. Thursday, February 24, 9.45 A. M. Nine-tenement block, corner Merrimack and Lincoln streets (under construction), owned by Mrs. Florence Burgess. Cause, drying plastering. Engine and Ladder Company No. 3 responded. No services required.

STILL. Friday, February 25, 7.58 P. M. Chimney fire in two-and-one-half-story tenement house, No. 254 Pine street, owned by Samuel J. Lord, and occupied by James Costakis. Chemical engine responded. Used one pony extinguisher.

Box 325. Saturday, February 26, 10.28 A. M. Two-and-one-half-story dwelling-house, No. 474 Cartier street, owned and occupied by John Favreau. Cause, shavings and chips in cellar ignited in some unknown manner. No damage. Box pulled in by citizen. Companies responding, Engines 2, 6, Hose 1; Truck 6.

STILL. Sunday, February 27, 10.55 A. M. Chimney fire in cottage house, No. 60 Cedar street, owned by heirs of Daniel O'Leary, and occupied by John Gorman. Chemical engine responded. Used one pony extinguisher.

STILL. Monday, February 28, 2.45 P. M. Two-story dwelling house, No. 999 Chestnut street, owned and occupied by Dr. Alexander A. MacCleay. Members of Engine and Ladder Company No. 5 responded with Hose wagon. Used one pony extinguisher.

STILL. Thursday, March 10, 8.08 A. M. Chimney fire in two-and-one-half-story dwelling-house, No. 354 Chestnut street, owned by Charles McCarty, and occupied by Thomas Shannon. Chemical engine responded. Used one large chemical tank.

STILL. Thursday, March 10, 10.10 A. M. Cottage house on Hooksett road, near Hooksett line, owned and occupied by Herbert A. Crosby. Cause, defective chimney. Engine and Ladder Company No. 5 responded, with steamer and hose wagon. Used three pony extinguishers, and laid nine hundred feet of hose from steam, which was



set at Ray brook. Value of building, \$1,500; damage, \$1,400; insurance, \$500; insurance paid, \$500. Value of contents, \$500; damage, \$350. No insurance.

STILL. Thursday, March 10, 7.25 P. M. Chimney fire in three-story wooden tenement block, No. 38 Lowell street, owned by John H. McCabe, and occupied by several families. Chemical engine responded. No services required.

STILL. Thursday, March 10, 10 P. M. Chimney fire in three-story wooden tenement block, No. 14 Amory street, owned by Thomas D. Paris, and occupied by several families. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used one pony extinguisher.

STILL. Friday, March 11, 2.35 P. M. Grass fire on Belmont street on land of D. M. K. Phillips. Members of Engine Company No. 7 responded.

STILL. Saturday, March 12, 7.10 P. M. Three-and-one-half-story wooden tenement block, No. 46 Vine street, owned by the Stark Mfg. Co., and occupied by Yan Suoka. Cause, lamp too near lace curtain. Damage slight.

Box 23. Tuesday, March 15, 11.38 A. M. Cottage house in rear of No. 190 Lake avenue, owned by Maurice Silverstein, and occupied by Mary Dillon. Fire in partition. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Truck 3. Value of building, \$1,500; damage, \$30; insurance, \$1,000; insurance paid, \$30. Value of contents, \$100; damage, \$5; no insurance.

STILL. Thursday, March 17, 5.05 P. M. Slight fire in floor of "ten-footer," No. 1116 Elm street, owned by the estate of Weston & Fitts, and occupied by Masse Brothers. Cause, hot ashes. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, March 18, 5.38 P. M. Chimney fire in three-story wooden tenement block, No. 427 Chestnut street, owned by heirs of John D. Patterson, and occupied by Sylvester Dion and others. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, March 19, 12.50 P. M. Grass fire on vacant land on South Beech street, owned by C. S. Osgood. Cause, burning brown-tail moths. Engine and Ladder Company No. 7 responded with hose wagon.

STILL. Monday, March 21, 2.10 P. M. Grass fire on Candia road; near Sherburne street. Chemical engine responded. No services required.

Box 214. Monday, March 21, 9.18 P. M. Large one-story building at the corner of Wilson and Valley streets, owned by the Drew Machinery Co., and used by them for storage of machinery. Cause, unknown. Box pulled by citizen. Companies responding, Engines 3, 7, Hose 2, 3, Combination 2, Truck 3. Value of building, \$3,200;

damage, \$2,300. No insurance. Value of contents, \$9,500; damage, \$3,000. No insurance.

**STILL.** Tuesday, March 22, 3.30 A. M. Rekindling of the Drew Machinery Co.'s fire of last evening. Engine and Ladder Company No. 3 responded with hose wagon. Used two pony extinguishers.

**STILL.** Tuesday, March 22, 12.11 M. Grass fire under the fence surrounding land of Mrs. Emily J. Welch on corner of Elm and Baker streets. Cause, a match dropped by passer-by. Hose Company No. 3 responded.

**STILL.** Tuesday, March 22, 4.40 P. M. Grass and rubbish on land of American Locomotive Co., rear of No. 1448 Elm street. Chemical engine responded. Used one pony extinguisher.

**STILL.** Wednesday, March 23, 10.55 A. M. Coal sheds on Beech street, corner of Valley, owned and occupied by Moore & Preston Co. Cause, sparks from a Boston & Maine locomotive. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

**Box 21.** Wednesday, March 23, 1.08 P. M. Two-story flat-roof building, rear of No. 118 Central street, owned by Anthony Rozenmas, and occupied by Baleslow Kozlonski. Cause, snapping match, setting fire to bedding. Box pulled by Officer J. D. Healy. Companies responding, Engines 1, 3, Chemical, Hose 1, Trucks 1, 3. Value of building, \$2,000; damage, \$25; insurance, \$2,000; insurance paid, \$25. Value of contents, \$200; damage, \$100. No insurance.

**STILL.** Wednesday, March 23, 11.20 P. M. Two-story brick building, corner Lincoln and Silver streets, owned by Daniel S. Kimball, and occupied by the McElwain Shoe Co. Fire was on second floor among bags of "leather-findings." Responded to by delegation from Engine 7, with hose wagon, who fought the fire for over an hour, when a box alarm was given.

**Box 215.** Thursday, March 24, 12.52 A. M. Two-story brick building, corner Lincoln and Silver streets, owned by Daniel S. Kimball, and occupied by the McElwain Shoe Co. as "counter" factory. Cause spontaneous combustion. Box pulled by citizen. Companies responding, Engines 3, 7, Hose 2, 3, Combination 2, Truck 3. Value of building, \$25,000; damage, \$35; insurance, \$10,000; insurance paid, \$35. Value of contents, \$373.80; damage, \$373.80; insurance, \$373.80; insurance paid, \$373.80.

**STILL.** Thursday, March 24, 12.50 P. M. Grass and brush fire on vacant lot, corner Sagamore and Russell streets, owned by Amoskeag Manufacturing Co. Cause, boys with matches. Members of Hose Company No. 2 responded with wagon. Used one pony extinguisher.

**STILL.** Thursday, March 24, 2.15 P. M. Grass fire on land on Howe street, owned by Walter Lamarsh. Members of Engine Company No. 7 responded. Used one pony extinguisher.

**STILL.** Thursday, March 24, 3 P. M. Grass and brush fire on land

corner of Wayne and Hevey streets. Cause, set by boys. Members of Engine and Ladder Company No. 6 responded.

STILL. Friday, March 25, 12.15 P. M. Brush fire on the Whittemore land, "Whittemore Flats," on South Cumberland street. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used one pony extinguisher.

STILL. Friday, March 25, 12.50 P. M. Grass fire at No. 606 Harvard street, on land owned by Frank Cassidy. Engine Company responded.

STILL. Friday, March 25, 2.33 P. M. Grass and brush fire off Brown avenue, on land of Arthur Dumas, and Manchester Wool & Leather Co. (About three acres.) Cause, burning brush and it "got away." Hose Company No. 3 responded.

STILL. Friday, March 25, 3 P. M. Grass and brush fire on land of Amoskeag Mfg. Co., near Rockrimmon. Members of Engine and Ladder Company No. 6 responded.

STILL. Saturday, March 26, 9.55 A. M. Chimney fire in dwelling-house, No. 177 Winter street, owned by Arthur Gavin, and occupied by two families. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher, and one chemical tank.

STILL. Saturday, March 26, 12.28 P. M. One-story wooden building, No. 220 Wilson street, owned by William G. Conner, and occupied by Mrs. A. H. Prince. Cause, hot ashes in a wooden box. Members of Engine Company No. 7 responded with hose wagon. Used one pony extinguisher.

STILL. Saturday, March 26, 4.20 P. M. Grass fire on Coolidge avenue on land owned by the Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded with hose wagon.

STILL. Sunday, March 27, 1.19 P. M. Grass fire on South Elm street on land of city of Manchester, and estate of Harrison D. Lord. Members of Hose Company No. 3 responded.

STILL. Sunday, March 27, 2.14 P. M. Grass and brush fire west of Brown avenue on land owned by D. J. Ahern, Manchester Wool & Leather Co., and Dr. Frank Mitchell. Members of Hose Company No. 3 responded.

STILL. Sunday, March 27, 3.38 P. M. Brush fire between Brown avenue and the Boston & Maine Railroad, on land owned by the Manchester Wool & Leather Co. Burned over about twenty-five acres. Hose Company No. 3 responded.

Box 73. Sunday, March 27, 6.43 P. M. Two tenement house, No. 259 Cedar street, owned by Julia Shea, and occupied by John Welch. Cause, lace curtain. Damage slight. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 2, 3, Truck 3.

STILL. Monday, March 28, 2.50 P. M. Grass and brush fire on west side of Manchester driving park, on Nutt road, and on land of New England Investment Co. Hose Company No. 5 responded. Used two pony extinguishers.

STILL. Monday, March 28, 10.46 P. M. A small bungalow of little value, on Rosendale avenue and Elm street. Hose Company No. 3 responded. No services required.

STILL. Tuesday, March 29, 10.32 A. M. Brush fire on sprout land, Cate road, Mystic and Mitchell streets, owned by F. A. Emerson, J. H. Erskine, Dr. Frank Mitchell. Hose Company No. 3 responded. Used two pony extinguishers.

STILL. Tuesday, March 29, 11 A. M. Brush fire, corner Mystic avenue and Beech street. Members of Engine and Ladder Company No. 3 responded with hose wagon.

STILL. Tuesday, March 29, 12.25 P. M. Brush fire on Ash street, near Salmon, on land of Amoskeag Mfg. Co. Members of Engine and Ladder Co. No. 5 responded.

STILL. Tuesday, March 29, 1.40 P. M. Brush fire on Smyth's road and Salmon street, on land of the Amoskeag Mfg. Co. Members of Engine and Ladder No. 5 responded. Used two pony extinguishers.

STILL. Tuesday, March 29, 1.55 P. M. Grass and brush fire, corner of Bridge and Ashland streets, on land of Clark B. Hall. Members of Hose No. 2 responded.

2-2-2. Tuesday, March 29, 2.07 P. M. Brush fire on sprout land in "Harvey district." Cause, sparks from Boston & Maine locomotive. Engine Company No. 4 and delegations from other companies responded. On duty three hours. Burned over about fifty (50) acres.

STILL. Wednesday, March 30, 12.06 P. M. Grass fire on South Elm street on Calef road, on land owned by the estate of Harrison D. Lord. Cause, set, to burn grass, and "got away." Hose Company No. 3 responded.

STILL. Wednesday, March 30, 2.15 P. M. Brush fire on Amory and Hevey streets, on land owned by Amoskeag Mfg. Co. Cause, set by boys. Members of Engine and Ladder No. 6 responded. Used one pony extinguisher.

STILL. Wednesday, March 30, 7.44 P. M. Chimney fire in two-and-one-half-story wooden tenement house, No. 317 Pine street, owned by the estate of John T. Moore, and occupied by Michael Ahearn. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, April 1, 3.30 P. M. Brush fire on the Dunbarton road, on land owned by a Mr. Kimball of Concord. Members of Engine and Ladder No. 6 responded.

Box 64. Friday, April 1, 8.44 P. M. Small barn in rear of No. 276 Willow street, in which a small barrel of garbage was burned, with little damage to the building. Box pulled by citizen. Companies responding, Engines 4, 7, Chemical, Hose 3, Truck 3.

Box 6. Friday, April 1, 9.10 P. M. Chimney fire in four-story brick block, No. 21 Hanover street, owned by estate of George S. Holmes. Needless alarm. Box pulled by citizen. Companies responding, Engines 1, 3, 4, Chemical, Hose 1, 2, Combination 2, Trucks 1, 3, 5.



STILL. Saturday, April 2, 2.23 P. M. Brush fire on "scrub" land on Willow and Saxon streets. Hose Company No. 3 responded, with Hose wagon. Burned over about four acres.

STILL. Sunday, April 3, 12.40 P. M. Report of fire on the Huse road, caused Engine Company No. 7 to respond to call. Upon arrival at the J. Byron Huse land no fire was found.

STILL. Sunday, April 3, 2.20 P. M. Grass fire in Stark park on North River road, owned by the city of Manchester. Members of Engine & Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Tuesday, April 5, 1.45 P. M. Grass and brush fire on land on Calef and Weston roads, owned by estate of Daniel Connor, and John T. Levasseur. Cause, burning brush and "got away." Hose Company No. 3 and Engine Company No. 7 responded.

Box 241. Wednesday, April 6, 5.35 A. M. Two-and-one-half-story dwelling-house, No. 574 East Spruce street, owned by Albert L. Duke, and occupied by William M. Henry (up stairs where the fire originated), and Elmer E. Jondrow on first floor. Cause, electric wires. Box pulled by Mills Henry. Companies responding, Engine 3, Hose 2, Combination 2, Truck 3. Value of building, \$3,000; damage, \$1,534; insurance, \$2,000; insurance paid, \$1,534. Value of contents, \$1,700; damage, \$1,100; insurance, \$1,200; insurance paid, \$1,000.92.

STILL. Wednesday, April 6, 7.05 A. M. Rekindling of the above fire. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

STILL. Wednesday, April 6, 3 P. M. Brush fire on Goffstown road, on vacant land of George R. Jackson. Engine Company No. 2 responded.

STILL. Thursday, April 7, 11.30 A. M. Chimney fire in cottage house, No. 386 Merrimack street, owned and occupied by John L. Golden. Members of Engine and Ladder Company No. 3 responded. Used two pony extinguishers.

STILL. Friday, April 8, 4.55 P. M. Ash box in rear of three-story tenement block, No. 64 Concord street, owned by Mrs. J. Emma Brown. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, April 8, 11.05 P. M. Four-story brick building (Hotel Windsor). Spontaneous combustion in coal. Chemical engine responded. No services required.

STILL. Saturday, April 9, 2.50 A. M. Cottage house and barn, No. 441 Central street, owned by Arthur Hale, and occupied by Frank Rogers. Cause, rats and matches. Members of Engine and Ladder Company No. 3 responded.

STILL. Saturday, April 9, 9.50 A. M. Chimney fire in dwelling-house, corner South Main and Winter streets, owned by estate of George S. Eastman, and occupied by Wesley Cole. Members of Engine Co. No. 2 responded, with Combination wagon. Used two chemical tanks.

STILL. Saturday, April 9, 1.45 P. M. Brush fire in "Dodgeville," on land owned by John Murry. Members of Engine Company No. 7 responded. Used one pony extinguisher.

STILL. Saturday, April 9, 2.20 P. M. Grass fire on Mammoth road, near Nelson street. Members of Engine and Ladder Company No. 3 responded.

STILL. Saturday, April 9, 7.11 P. M. One-story wooden building, No. 685 Elm street, owned by L. F. Trull, and occupied by C. E. Duforth as a drugstore. Cause, excelsior in furnace. Chemical engine responded. No services required.

STILL. Sunday, April 10, 3 P. M. Brush fire in St. Joseph's (Catholic) cemetery. Cause, set by boys. Members of Engine Company No. 2 responded, with Combination wagon.

STILL. Monday, April 11, 11.40 A. M. Brush fire on the Hooksett road on land owned by the Amoskeag Mfg. Co. Members of Engine and Ladder Co. No. 3 responded.

STILL. Monday, April 11, 6.13 P. M. Chimney fire in two-and-a-half-story dwelling, No. 35 Washington street, owned by Marion C. Smyth, and occupied by Fred Willard and others. Chemical engine responded. Used one chemical tank.

Box-5. Monday, April 11, 11.54 P. M. Four-story brick building, No. 752 Elm street, owned by Rowell & Rowell, and occupied by Mrs. Luella M. Hedding as a lodging house. Fire originated in room No. 10, occupied by Michael Lowrey, from some unknown cause. Box pulled by Officer O'Malley. Fire extinguished by Chemical engine. Damage about \$30; fully insured. Companies responding, Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Tuesday, April 12, 9.10 A. M. City dump on North Union street. Members of Engine Company No. 5 responded.

STILL. Tuesday, April 12, 12.40 P. M. Grass fire on Coolidge avenue, on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Wednesday, April 13, 1.07 P. M. Grass and brush fire on South Elm street, near Union chapel, on land owned by Amoskeag Mfg. Co. Cause, boys playing with matches. Hose Company No. 3 responded.

STILL. Wednesday, April 13, 1.25 P. M. Brush fire on Hall road, on land of Elliot Hospital. Delegations from Engine and Ladder Company No. 3 and Engine Company No. 7 responded.

STILL. Wednesday, April 13, 1.30 P. M. Brush fire on Coolidge avenue and Quirin street, on land of Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Wednesday, April 13, 3.16 P. M. Brush fire on South Elm street on land of Amoskeag Mfg. Co. and Fred Colby. Hose 3 responded.



STILL. Wednesday, April 13, 4 P. M. Brush fire on Dunbarton and Straw roads. Members of Engine and Ladder Company No. 6 responded.

Box 325. Wednesday, April 13, 6.55 P. M. Two-and-one-half-story wooden dwelling, No. 568 Rimmon street, owned by Anthony O'Grady, and occupied by him and Bela Sword. Cause unknown. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6. Fire extinguished with one pony extinguisher. Value of building, \$4,000; damage, \$5.00; insurance, \$3,000; insurance paid, \$5.00.

2-2-2. Thursday, April 14, 6.40 A. M. Forest fire west of Straw road, between Goffstown and Dunbarton roads, on land owned by ——— Maxwell and others. Engine Company No. 1, with detail from other companies, responded. On duty nine hours.

STILL. Thursday, April 14, 3.30 P. M. Brush fire on North River road, on land owned by C. E. Quimby. Members of Engine and Ladder Company No. 5 responded.

Box 511. Friday, April 15, 11.27 A. M. Grass fire on Blucher street, near Montgomery. Needless alarm pulled in by a boy. Companies responding, Engines 2, 6, Truck 6.

Box 542. Friday, April 15, 12.18 P. M. Two-and-one-half-story dwelling-house, No. 177 Wentworth street, owned by Paul Schreiber, and occupied by him and Ernest Sidall. Cause, defective chimney. Box pulled by citizen. Companies responding, Engines 2, 4, 6, Chemical, Hose 1, Trucks 1, 6. Value of building, \$2,400; damage, \$1,200; insurance, \$1,200; insurance paid, \$1,200. Value of contents, \$500; damage, \$300; insurance, \$300; insurance paid, \$300.

STILL. Friday, April 15, 2.50 P. M. Grass fire at 1230 Hanover street, S. H. Mead's hothouses. Members of Engine and Ladder Company No. 3 responded with hose wagon. All out on their arrival.

2-2-2. Friday, April 15, 4.14 P. M. Forest fire on Webster street, between Hooksett and Smyth roads, on land of Amoskeag Mfg. Co., Marion C. Smyth, W. B. Johnson heirs, and others. Engine Company No. 4 and delegations from Central station responded. On duty four and one half hours.

STILL. Friday, April 15, 5.54 P. M. Brush fire on Laxton avenue, near Willow street, on land of J. Healy. Hose Company No. 3 responded.

STILL. Friday, April 15, 6.59 P. M. Chimney fire in three-story wooden tenement block, owned by Broderick & Healy, and occupied by several families. Chemical engine responded. Used one pony extinguisher.

Box 242. Friday, April 15, 11.55 P. M. A couch at No. 396 Manchester street, in a dwelling-house owned by Clarence Stevens, and occupied by Mrs. Eola Kelley. Cause, snapping match. Box pulled by citizen. Companies responding, Engines 3, 4, Hose 2, Combination No. 2, Truck 3. Damage slight.

STILL. Saturday, April 16, 10.15 A. M. Brush fire on Bald Hill road near Stevens' pond. Members of Combination 2 responded. Used two pony extinguishers.

STILL. Saturday, April 16, 10.20 A. M. Brush fire on Mammoth road on land of Amoskeag Mfg. Co. Engine and Ladder Company No. 5 responded. Used four pony extinguishers.

2—2—2. Saturday, April 16, 1.02 P. M. Forest fire on North Union street, Hooksett and Mammoth roads. Engines 4, 5, and details from several companies responded in different sections.

STILL. Saturday, April 16, 1.30 P. M. Brush fire both sides of Vinton street, west of Taylor, on land of Williams heirs, Mitchell, Brown and Levasseur. Cause, burning brush, and "got away." Hose Company No. 3 responded.

STILL. Saturday, April 16, 3 P. M. Brush fire on Hooksett road, on land of Amoskeag Mfg. Co. Engine and Ladder Company No. 5 responded.

STILL. Saturday, April 16, 4 P. M. Brush fire on Vinton street, on land of Robert P. Stevens. Members of Engine Company No. 7 responded.

Box 513. Saturday, April 16, 5.07 P. M. Grass fire off Milford street, on land of heirs of George W. Riddle. Needless alarm, pulled by boys. Companies responding, Engines 2, 6, Truck 6.

2—2—2. Sunday, April 17, 12.15 P. M. Brush fire on Bald Hill road, north to Bodwell's ledge, and south to Bridge street extension, covering about 225 acres, mostly sprout land. Engine Company No. 1, and details from other companies responded. On duty six hours and forty-five minutes.

STILL. Sunday, April 17, 3.25 P. M. Grass fire on west side of the "Orchard," south Elm street, between the gasworks and Jones' brewery. Cause, boys and matches. Hose Company No. 3 responded.

STILL. Wednesday, April 20, 8.35 P. M. Mattress in rear of tenement block, No. 154 Manchester street, owned by Charles Chirron, and occupied by several families. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, April 22, 7.30 P. M. Chimney fire in cottage house, No. 142 Myrtle street, owned and occupied by the Misses Dana. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, April 23, 8.55 P. M. Chimney fire in two-and-a-half-story wooden dwelling-house, No. 144 Pearl street, owned by David Paige, and occupied by Alfred Morgan. Chemical engine responded. Used one pony extinguisher.

STILL. Sunday, April 24, 3.48 P. M. Three-story brick tenement block, No. 49 Bridge Place (off Bridge street), owned by Marion C. Smyth, and occupied by Joseph Thirron. Cause, meat burning on stove. Chemical engine responded. No services required.

Box 542. Sunday, April 24, 7.58 P. M. Wentworth street dump.

Needless alarm, pulled by citizen. Companies responding, Engines 2, 6, Truck 6.

Box 212. Monday, April 25, 1.10 P. M. False alarm, caused by misunderstanding telephone message. Engines 3, 7, Hose 2, Combination No. 2, Truck 3 responded.

STILL. Monday, April 25, 1.45 P. M. Double tenement house, No. 305 Taylor street, owned by Miss Cora Young, and occupied by Bert Davis. Cause, chimney. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

STILL. Monday, April 25, 3.10 P. M. Three-story brick building, No. 1016 Elm street (The Kennard), owned by the Kennard heirs, and occupied by Nelson's five-and-ten-cent store. Chemical engine responded.

STILL. Monday, April 25, 8.20 P. M. Chimney fire in dwelling-house, No. 325 Ash street, owned and occupied by Joseph H. Geisel. Members of Hose Company No. 2 responded.

Box 7. Thursday, April 28, 6.22, 6.27, 6.40 A. M. (general alarm). Five-story brick block, Nos. 73-89 Hanover street (Odd Fellows' block), owned by Hillsborough, Mechanics, and Wildey lodges, and occupied by them for halls and numerous other parties for offices and stores. The fire originated in the basement from a doughnut kettle boiling over, in the absence of the person using it, and undoubtedly was burning nearly half an hour before the alarm was given. By an elevator shaft and open stairway the fire soon extended to the fifth story where the janitor and his wife roomed. They were unable to escape, and perished, their bodies being rescued later. The first alarm was pulled by Officer Robitaille, and the second and third by order of engineers. Assistance was asked of Amoskeag Mfg. Co. and the Concord fire department. The former responded with their steamer, "T. Jefferson Coolidge," and Chief Green sent the "Gov. Hill" steamer with a delegation of men in command of Assistant Chief J. J. McNulty. Both steamers rendered valuable assistance, for which I desire to tender my *personal* as well as *official* thanks. All the city departments were on duty as follows: Engines 1, 2, 3, 4, 5, 6, 7; Chemical; Hose 1, 2, 3; Combination No. 2; Trucks 1, 3, 5, 6. Value of building, \$100,000; damage, \$48,915.85; insurance, \$50,000; insurance paid, \$48,915.85. Value of contents, \$35,000; damage, \$23,000; insurance, \$21,000; insurance paid, \$18,175.

Box 21. Thursday, April 28, 8.43 A. M. During the progress of the Odd Fellows' block fire, sparks set fire to the roof of building, No. 102-110 Merrimack street. No damage. Engine 1, Chemical, Hose 3, Combination 2, and Truck 3 responded, returning later to the Odd Fellows' block fire.

STILL. Thursday, April 28, 6.25 P. M. Two-story brick building (Crown theater), owned by James Ried, and occupied by Couture Bros. Cause, breaking of carboy of vitriol. Chemical responded. No services required.

STILL. Friday, April 29, 1.05 P. M. Rekindling of Odd Fellows' block fire. Chemical engine responded. Used one chemical tank on ruins.

STILL. Friday, April 29, 9.45 P. M. Three-story brick block, owned by Bond, Simonds and others, No. 1001 Elm street, and occupied by T. Pariseau as ladies' furnishing store. Cause, smoking furnace.

STILL. Saturday, April 30, 5.30 P. M. Four-story brick block, No. 780 Elm street, owned by E. M. Topliff, and occupied (office) by Dr. M. E. Kean. Cause, "dead" chimney. Chemical engine responded.

STILL. Tuesday, May 3, 6.02 P. M. Two-and-one-half-story wooden tenement house, No. 52 Orange street, owned by Charles C. Hayes, and occupied by Hector Morrill. Cause, matches in closet. Chemical engine responded. Extinguished before arrival of apparatus.

Box 217. Tuesday, May 3, 7.01-7.14. A wooden barn on Cilley road, near Porter street, owned and occupied by Mrs. Mary M. Sanborn. Cause, lightning. Two alarms pulled by citizen; second one unnecessary. Companies responding, Engines 3, 4, 7, Chemical, Hose 1, 2, Combination 2, Trucks 1, 3.

STILL. Wednesday, May 4, 12 M. Two-and-a-half-story dwelling-house, No. 16 Ash street, owned by estate of Nason Hall, and occupied by Francis J. Ashland. Cause "stubborn" chimney fire. Hose No. 2 responded using seven pony extinguishers, and Chemical engine, called later, using one pony extinguisher and one chemical tank.

STILL. Wednesday, May 4, 4.30 P. M. Brush fire on west side of Hooksett road on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded. Used three pony extinguishers.

STILL. Saturday, May 7, 7.59 A. M. Three-story wooden block, No. 42 Pearl street (No. 8 Kerins block), owned by estate of Ellen Kerins, and occupied by Bert Blackmer. Cause, spontaneous combustion of rags under sink. No damage. Chemical engine responded. No services required.

STILL. Sunday, May 8, 8.45 A. M. Brush fire on land of Amoskeag Mfg. Co. in rear of Masonic Home, Beech street. Members of Engine and Ladder Company No. 5 responded. Used three pony extinguishers.

Box 4. Sunday, May 8, 1.56 P. M. Ash box in rear of "Coffee house," No. 43 Spruce street, owned and occupied by George Copadis. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. No damage. No services required.

STILL. Sunday, May 8, 10.50 P. M. Cottage house, No. 635 Clay street, owned and occupied by Pierre Paradis. Cause, overturned lamp. Members of Engine Company, No. 7 responded.

STILL. Tuesday, May 10, 12.40 M. Chimney fire in two-and-a-half-story tenement house, No. 52 Orange street, owned by Charles C. Hayes, and occupied by John Enright. Members of the Chemical Company responded. Used one pony extinguisher.



STILL. Tuesday, May 10, 7.15 P. M. Brush fire on North Union street (rear of 1153) on land owned by Amoskeag Mfg. Co. Delegations from Engine and Ladder Company No. 5 responded with exercise wagon. Used two pony extinguishers.

Box 324. Tuesday, May 10, 8.04 P. M. Dwelling-house, No. 13 Laval street, owned by George Normand, and occupied by J. B. Bechard. Cause, lamp explosion. No services required. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6.

STILL. Wednesday, May 11, 3.56 P. M. Dwelling-house, No. 190 Manchester street, owned by John C. Hayes, and occupied by Joseph Tremblay. Cause, children playing with matches on doorsteps. No services required. Members of Chemical Company responded.

STILL. Wednesday, May 11, 9.20 P. M. Three-story wooden tenement block, No. 68 Concord street, owned by J. Emma Brown, and occupied by Powell & Clarkson as a carpenter shop, and several families as tenements. Cause, unknown. Fire in rubbish in the cellar. Chemical engine responded. Used one chemical tank.

Box 81. Wednesday, May 11, 9.25 P. M. The foregoing fire proving too much for the Chemical the box (81) was pulled. Companies responding, Engines 1, 4, Chemical, Hose 1, Truck 1. Value of building, \$2,500; damage, \$50; insurance, \$2,000; insurance paid, \$50.

STILL. Friday, May 13, 7.45 P. M. Chimney fire in two-and-a-half-story dwelling, No. 204 Cartier street, owned by Alfred Bouchard, and occupied by two families. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used two pony extinguishers.

STILL. Friday, May 13, 9.10 P. M. Chimney fire in two-story dwelling-house, No. 56 Webster street, owned and occupied by George Cyr. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Friday, May 13, 11.34 P. M. One-story wooden building, No. 43 West Central street, owned by the Manchester Bank, and occupied by Owen Kenney, Jr. Cause, cigar stub. Chemical engine responded. Used one pony extinguisher.

Box 214. Saturday, May 14, 12.54 M. Chimney fire in two-story double house, No. 621 Harvard street, owned by Mrs. John Bartlett, and occupied by F. Brouillard, and others. Box pulled by citizen. Companies responding, Engines 3, 7, Hose 2, 3, Combination 2, Truck 3. Used four pony extinguishers.

STILL. Saturday, May 14, 3.28 P. M. Chimney fire in three-and-one-half-story wooden block, No. 56 Pearl street (No. 6 Washington block), owned by Charles C. Hayes, and occupied by Eugene LaBonte and others. Members of Chemical Company responded. No services required.

STILL. Monday, May 16, 11.35 A. M. Grass and brush fire among the "scrub" pines, south of Valley street and west of the Drew Machinery Co.'s storehouse, on land owned by the Amoskeag Mfg. Co. Cause,

sparks from locomotive on Boston & Maine Railroad. Members of Engine and Ladder Company No. 3 responded with hose wagon. Used two pony extinguishers.

Box 71. Monday, May 16, 3.15 P. M. Two-and-a-half-story wooden dwelling, No. 80 Cedar street, owned by John A. Broderick and John F. Healy, and occupied by Greeks. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Truck 3. Value of building, \$5,000; damage, \$122; insurance, \$4,500; insurance paid, \$122.

STILL. Monday, May 16, 4.50 P. M. Brush fire on west side of Hooksett road, on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded with hose wagon. Used two pony extinguishers.

STILL. Monday, May 16, 6.40 P. M. Chimney fire in wooden tenement house, No. 70 Third street, owned by John Handle, and occupied by several families. Members of Engine Company No. 2 responded with combination wagon. Used one chemical tank.

STILL. Tuesday, May 17, 12.10 M. Brush fire on Laxton avenue, owned by D. Palmer. Members of Engine Company No. 7 responded with hose wagon. Used three pony extinguishers.

STILL. Tuesday, May 17, 1.30 P. M. Grass fire on Somerville street, on land owned by F. M. Hoyt Shoe Co. Engine 7 responded.

STILL. Wednesday, May 18, 8.50 A. M. Chimney fire in cottage house, No. 62 North Adams street, owned and occupied by Moses R. Marshall. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Friday, May 20, 5.30 A. M. Chimney fire in dwelling-house, No. 185 Mystic street, owned and occupied by William Rhoades. Hose Company No. 3 responded. No services required.

Box 82. Friday, May 20, 5.42 A. M. Three-story brick block, No. 1087 Elm (cor. Lowell), owned by H. N. Bond and the Gale Home. Cause, gas stove in room No. 2, occupied by Clifford A. Harvey. Damage slight. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

Box 542. Friday, May 20, 11.08 P. M. An unoccupied hencoop at No. 154 Wentworth street, owned by Alec Geagues. Cause, hot ashes. Box pulled by citizen. Companies responding, Engines 2, 6, Truck 6.

STILL. Monday, May 23, 7.35 P. M. Grass fire on South Beech street in French Catholic cemetery. Hose Company No. 3 responded. Nearly extinguished on their arrival.

STILL. Tuesday, May 24, 1.30 P. M. A hencoop in rear of No. 454 Dubuque street, owned by John Montplaisir. Cause unknown. Members of Engine and Ladder Company No. 6 responded.

STILL. Tuesday, May 24, 8 P. M. City dump, corner of Auburn and Maple streets. Members of Engine and Ladder Company No. 3 responded.



STILL. Saturday, May 28, 12.55 M. Chimney fire in two-and-a-half-story dwelling-house, No. 126 Central street, owned by Mrs. Sutton of Derry, and occupied by Mrs. Dorilda Bellemere. Chemical engine responded. Used one chemical tank.

STILL. Sunday, May 29, 11.10 A. M. Three-story wooden shoe shop, No. 343 Kelley street, occupied by the N. B. Reed Co. Cause, careless workmen started thermostat. Members of Engine and Ladder Company No. 6 responded. No services required.

STILL. Saturday, June 4, 10.25 A. M. Chimney fire in dwelling-house, No. 103 Second street, owned and occupied by P. Duval. Engine Company No. 2 responded. Used one pony extinguisher.

STILL. Monday, June 6, 7.25 A. M. Four-story brick building, No. 48 (rear) Hanover street, owned by Walter M. Parker, and occupied by Union Publishing Co. Cause, electric motor in the press room. Chemical engine responded. Used one pony extinguisher.

STILL. Wednesday, June 8, 12.56 M. Chimney fire in cottage house, No. 97 Baker street, owned and occupied by Mrs. J. G. Johnson. Members of Hose Company No. 3 responded. Used two pony extinguishers.

STILL. Wednesday, June 8, 9.15 P. M. City dump at corner Maple and Auburn streets. Members of Engine and Ladder Co. No. 3 responded with hose wagon.

STILL. Thursday, June 9, 10.03 A. M. Three-story granite (government) building, owned and occupied by the U. S. postoffice department. Cause, fire started in waste basket from some unknown cause. Chemical engine responded. Used two pony extinguishers.

STILL. Sunday, June 19, 2.30 P. M. Four-story brick block (Weeks), No. 937 Em street, owned by estate of G. W. Weeks and N. S. Clark. An awning over the store windows of Clark Bros.' Beehive got afire. Members of Chemical Company responded. Used one pony extinguisher.

Box 21. Monday, June 20, 8.15 A. M. An awning on the three-story wooden block, No. 127 Merrimack street, owned by estate of A. D. Burgess, and occupied by Frank Price as a ladies' and gents' tailorshop. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Monday, June 20, 12.10 M. Fence fire on Pine street, near Salmon, around land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded with hose wagon. Used one pony extinguisher.

Box 52. Tuesday, June 21, 5.10 P. M. Two-and-a-half-story tenement house, No. 16 School street, owned by Mrs. Ellen Stratton, and occupied by H. Forcier. Slight fire on second floor of ell part, in box of packed crockery. Cause, snapping matches. Companies responding, Engines 2, 6, Hose 1, Truck 6. Used one chemical tank. Value of building, \$3,000; damage, \$40; insurance, \$1,500; insurance paid, \$40.

Value of contents, \$600; damage, \$28.50; insurance, \$500; insurance paid, \$28.50.

Box 52. Thursday, June 23, 8.45 A. M. Two-story dwelling-house, No. 74 North Main street, owned and occupied by John Rustler and Adam Zebhardt. Cause, explosion; oil stove. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6. Value of building, \$3,000; damage, \$1,449; insurance, \$1,500; insurance paid, \$1,386. Value of contents, \$2,000; damage, \$1,857; insurance, \$1,400; insurance paid, \$300.

STILL. Friday, June 24, 8.15 A. M. An electric car (No. 83) on the Bridge-street line of the Manchester street railway. Cause, short circuit of motor. Chemical engine responded. Used one pony extinguisher.

Box 6. Friday, June 24, 7.55 P. M. Four-story brick block, No. 34 Mechanic street, owned by Amoskeag Mfg. Co., and occupied by Joseph Dubard. Cause, tipping over kerosene lamp. Box pulled by citizen. Companies responding, Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 5. Fire extinguished by Chemical engine. Value of building, \$10,000; damage, \$350; insurance (blanket) \$350; insurance paid, \$350.

STILL. Saturday, June 25, 5.57 A. M. Chimney fire in two-and-one-half-story tenement house, No. 126 Central street, owned by Mrs. Nancy Smith, and occupied by Sophia Belmore. Chemical engine responded. Used one pony extinguisher.

STILL. Monday, June 27, 7.20 A. M. Barn at No. 351 Lowell street, owned and occupied by Edward E. Hoyt. Cause unknown. Chemical engine responded. Used one chemical tank. Value of building, \$750; damage, \$20; insurance, \$500; insurance paid, \$20.

STILL. Wednesday, June 29, 2.24 P. M. An electric street car, No. 129 of the Manchester street railway. Cause, electric wires. Hose Company No. 2 responded. Used one pony extinguisher. Damage slight.

Box 8. Wednesday, June 29, 6.12 P. M. Three-story tenement house, No. 30 Orange street, owned by F. W. Griffin, and occupied by Augusta Garon and Julia Beaudry. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$35,000; damage, \$155; insurance, \$2,500; insurance paid, \$155.

STILL. Thursday, June 30, 12.55 P. M. Chimney fire in two-tenement house, No. 237 East Spruce street, owned by Katherine Eager, and occupied by Annie Lavin. Members of Engine and Ladder Company No. 3 responded. Used two pony extinguishers.

Box 312. Three-story wooden tenement block, No. 427 North Main street, owned by George Blanchet, and occupied by Amedee Lafond and Medric Robert. Cause, boy playing with matches. Damage slight. Box pulled by citizen. Companies responding, Engines 1, 2, 6, Hose 1, Trucks 3, 6. Extinguished by Chemical. Used one tank.

Box 4. Saturday, July 2, 5.39 A. M. Four-story brick tenement block, No. 184 Chestnut street, owned by Griffin Brothers, and occupied by several families. Cause, hot ashes in ash chute. No damage. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Saturday, July 2, 1.46 P. M. Five-story brick building on Willow street, Cohas shoe shop. False alarm by crossing wires of automatic alarm. Hose Company No. 3 responded.

Box 7. Tuesday, July 5, 12.06 M. Two-story wooden building, No. 123 Hanover street, owned by George F. Boshier, and occupied as lunch room by Peter O. Riley. Cause, sparks from chimney. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, Trucks 1, 3. Fire extinguished by Chemical engine. Value of building, \$1,000; damage, \$30; insurance, \$1,000; insurance paid, \$30.

STILL. Tuesday, July 5, 5 P. M. Old street railway "ties" on Valley street, near Wilson street, owned by Manchester Traction, Light & Power Co. Engine Company No. 7 responded with hose wagon. Used two pony extinguishers.

STILL. Tuesday, July 5, 7.15 P. M. Brush fire on land on Mammoth road, owned by Amoskeag Mfg. Co. Combination No. 2 responded. Used two pony extinguishers. Were on duty two hours.

2—2—2. Wednesday, July 6, 9.22 A. M. Brush fire on Hackett Hill road, near Hooksett line, on land owned by Robert M. Guilford. Engine Company No. 1, and delegations from Hose 1, Truck 1, Engine and Ladder No. 5 responded. On duty two and one half hours. Burned over about fifteen acres of land.

STILL. Wednesday, July 6, 1.15 P. M. Rekindling of same fire. Delegations from Engine and Ladder Company No. 5, Hose 1, Truck 1, Chemical. On duty three and one half hours, and used eight pony extinguishers.

Box 8. Wednesday, July 6, 1.15 P. M. Four-story brick block, No. 1202 Elm street, owned by Mrs. S. A. Ray, and occupied by Frank D. Leighton, plumber, etc., and others. The fire started in Leighton's cellar, in some oakum, from a match in the hands of one of the workmen. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$40,000; damage, \$50; insurance, \$20,000; insurance paid, \$50.

STILL. Wednesday, July 6, 4.30 P. M. Brush fire on Hooksett road on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded. Used two pony extinguishers.

STILL. Wednesday, July 6, 8.45 P. M. Two-and-one-half-story wooden building, No. 123 Hanover street, owned by George F. Boshier, and occupied by Peter O. Riley, as a lunch room. Cause, cigar stub on roof from adjoining building. Chemical engine responded.

STILL. Thursday, July 7, 8.30 A. M. Brush fire on Hooksett road on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded.

STILL. Thursday, July 7, 2.40 P. M. Cottage house, No. 240 Central street, owned by Thomas Reynolds, and occupied by J. Fitzpatrick. Slight fire in waste paper in closet, set by child. Members of Engine and Ladder Company No. 3 responded.

STILL. Thursday, July 7, 10.10 P. M. An old tree and grass on west side of Manchester & Lawrence Railroad track, on land of T. McKenna. Members of Hose Company No. 3 responded. Used two pony extinguishers.

Box 71. Friday, July 8, 7.18 P. M. Three-story wooden tenement house, No. 149 East Spruce street, owned by B. Resnick, and occupied by I. Resnick and others. Cause, lace curtain in contact with candle flame. Extinguished by occupants. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, 3, Truck 3.

STILL. Saturday, July 9, 8.25 A. M. Chimney fire in dwelling-house, No. 29 Winter street, owned and occupied by John Langon. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher.

STILL. Saturday, July 9, 4.50 P. M. Wooden one-story barn at No. 124 Concord street, owned by estate of Ellen Kerins. Cause unknown. Chemical engine responded. Used one pony extinguisher.

STILL. Tuesday, July 12, 3.30 P. M. Fence in rear of No. 364 Beech street, owned by T. T. Shachen. Cause, candle in a tent. Chemical engine responded. Used one pony extinguisher.

Box 4. Friday, July 15, 3.08 P. M. Four-story brick block at No. 182 Chestnut street, owned by Isaac Resnick, and occupied by several families. Cause, hot ashes in ash chute. No damage. Box was pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Friday, July 15, 10.05 P. M. Three-story wooden tenement house, No. 402 Rimmon street, owned by Joseph Plante, and occupied by Charles Caron and others. Cause, lace curtain in gas jet. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Monday, July 18, 8.30 P. M. Brush fire on Auburn and Lincoln streets, on land owned by the Amoskeag Mfg. Co. Cause, boys playing "Injun." Members of Engine and Ladder Company No. 3 responded with hose wagon. Used three pony extinguishers.

STILL. Tuesday, July 19, 12.20 P. M. Three-story brick dwelling, No. 15 Albert street, owned by the estate of E. A. Straw, and occupied by Mrs. Helen Choate, as New England Conservatory of Music. Cause, oil stove. Chemical engine responded.

STILL. Tuesday, July 19, 3.44 P. M. A small bonfire on the Calef road on land owned (on lease) by the People's Gas-light Co. Hose Company No. 3 responded.

Box 323. Friday, July 22, 10.46 P. M. Small barn with sheds attached, near Sullivan and Railroad streets, owned by Rodney N. Whit-



temore, and used by him for storage of lumber, sleds and sleighs. Cause, lightning. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, and Truck 6. Value of building, \$700; damage, \$700; insurance, \$450; insurance paid, \$450. Value of contents, \$300; damage, \$200; insurance, \$200; insurance paid, \$157.

STILL. Sunday, July 24, 5.45 P. M. Chimney fire in two-and-a-half-story tenement block, No. 10 Laurel street, owned by Mrs. Etta Topping, and occupied by Mrs. Wm. H. Orrill. Chemical engine responded. Used one pony extinguisher.

STILL. Sunday, July 24, 6 P. M. Smoke around a chimney in dwelling-house, No. 749 Belmont street, owned and occupied by Arthur Lemay. Members of Engine Company No. 7 responded.

Box 212. Monday, July 25, 10.52 A. M. Three-story wooden block, No. 375 Massabesic street, owned by Walter Cody estate, and occupied by Charles G. Dunnington (as drugstore) and others. Box pulled by Dunnington. Companies responding, Engines 3, 7, Hose 2, Combination 2, Truck 3. Value of contents, \$2,000; damage, \$87; insurance, \$1,500; insurance paid, \$87.

Box 115. Monday, July 25, 1.05 P. M. A barn connected with cottage house, No. 253 Ash street, owned and occupied by John N. Sanborn. Cause, lightning. Box pulled by citizen. Companies responding, Engines 1, 5, Chemical, Hose 2, Truck 5. Value of building, \$700; damage, \$50; insurance, \$500; insurance paid, \$50. Value of contents, \$500; damage, \$40; insurance, \$200; insurance paid, \$40.

Box 93. Monday, July 25, 1.27 P. M. Two large hay barns on the North River road, owned and occupied by George H. Brown. Cause, lightning. Box pulled by citizen. Companies responding, Engines 4, 5, Chemical, Hose 1, Combination 2, Trucks 1, 5. On duty five hours. Value of buildings, \$3,500; damage, \$3,500; insurance, \$2,600; insurance paid, \$2,600. Value of contents, \$4,500; damage, \$4,000; insurance, \$6,400; insurance paid, \$3,688.77.

STILL. Monday, August 1, 1.20 P. M. Old railroad "ties" on Valley street west of Wilson, belonging to the Manchester Traction, Light & Power Co. Cause, set by boys. Members of Engine and Ladder Company No. 3 responded with hose wagon.

STILL. Thursday, August 4, 7.45 A. M. Two-and-one-half-story block, corner of Beech and Blodget streets, owned by F. C. Russell. Cause, gas stove. Chemical engine responded. No services required.

STILL. Thursday, August 4, 10.15 A. M. Three-story wooden tenement block, No. 307 Chestnut street, owned by Mrs. Etta Topping, and occupied by Mrs. O. Riley. Chemical engine responded. No services required.

Box 21. Thursday, August 4, 8.45 P. M. Two-story tenement house, rear No. 187 Merrimack street, owned by L. J. and Mary F. Nutt, and occupied by Fred Marquis. Cause, breaking lamp. Damage slight. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical,

Hose 1, Trucks 1, 3. Value of building, \$700; damage, \$32.50; insurance, \$500; insurance paid, \$32.50. Value of contents, \$200; damage, \$10; no insurance.

Box 31. Friday, August 5, 2.30 P. M. A woodshed in rear of No. 4 Kidder street, owned by Amoskeag Mfg. Co., and occupied by George Ross. Cause unknown. Box pulled by citizen. Companies responding, Engines 4, 5, Chemical, Hose 1, Trucks 1, 5. Value of building, \$500; damage, \$25; insurance (blanket), \$500; insurance paid, \$25. No damage to contents.

Box 21. Sunday, August 7, 12.08, 12.09, 12.12 M. (General alarm). A barn in rear of 29-31 Laurel street, owned by the estate of H. Nason Hall, and occupied by A. Bourassa and Joseph Fournier. Cause, smoking on hay. Box pulled (first alarm) by citizen. (Third alarm by Deputy-Chief E. W. Merrill.) Companies responding, Engines 1, 2, 3, 4, 5, 6, 7, Chemical, Hose 1, 2, 3, Combination No. 2, Trucks 1, 3, 5, 6. Value of building, \$800; damage, \$175; insurance, \$200; insurance paid, \$175. Value of contents, \$200; damage, \$50. No insurance.

STILL. Wednesday, August 10, 9.15 A. M. Barn in rear of No. 106 Lake avenue, owned and occupied by Peter Giblin. Cause, overheated manure in cellar. Chemical engine responded. Used one pony extinguisher.

Box 6. Monday, August 15, 12.10 midnight. Four-story brick block, No. 45 Hanover street, owned by Frank P. Johnson, and occupied by Jordan Restaurant Co. as an eating saloon. Cause, rubbish in barrel. Damage slight. Companies responding, Engines 1, 4, Hose 1, 2, Trucks 1, 5. Fire was extinguished by chemical. Value of contents of building, \$3,500; damage, \$15; insurance, \$2,000; insurance paid, \$15.

STILL. Thursday, August 18, 8.20 A. M. Chimney fire in two-and-a-half-story wooden tenement block, No. 26 Wayne street, owned by E. Gressley, and occupied by ten families. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used one pony extinguisher.

STILL. Thursday, August 18, 1.12 P. M. Two-story wooden dwelling on Brown avenue, Goffe's Falls (four miles out); owned and occupied by William A. Brooks. Cause, kerosene oil stove. Sent engine 1 and Hose 3. Value of building, \$2,700; damage, \$2,143; insurance, \$2,400; insurance paid, \$2,143. Value of contents, \$1,000; damage, \$400; insurance, \$700; insurance paid, \$300.

Box 63. Monday, August 22, 2.40 A. M. Two-and-one-half-story dwelling house, No. 723 South Beech street, owned by W. B. Martin of Groton, N. H., and occupied by Ernest Turnbloom. Cause unknown. Box pulled by citizen. Companies responding, Engine 7, Chemical, Hose 3, Ladder 3. Value of building, \$3,000; damage, \$200; insurance, \$2,000; insurance paid, \$200. Value of contents, \$1,300; damage, \$200. No insurance.



2—2—2. Wednesday, August 24, 10.40 A. M. A call was received from Epping, N. H., for assistance, on account of a fire in the sheds of the New England Brick Co. Engine 4 was loaded on the cars, with men and horses, but word came that the fire was under control, so apparatus returned to quarters.

Box 6. Thursday, August 25, 7.34 P. M. Two-story wooden building, rear No. 915 Elm street, owned by Mrs. Mary J. Fogg, and occupied by Mrs. J. B. DuPaul as storeroom for millinery. Cause, unknown. Box pulled by citizen. Companies responding, Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 5. Fire extinguished by Chemical. There was no damage to building. Value of contents, \$3,500; damage, \$200; insurance, \$2,250; insurance paid, \$200.

Box 32. Sunday, August 28, 11.46 P. M. False alarm pulled by some malicious person. Companies responding, Engines 1, 5, Chemical, Hose 1, Trucks 1, 5.

STILL. Monday, August 29, 6.15 P. M. Chimney fire in three-story wooden tenement block, No. 14 Pearl avenue (Pearl street), owned by Frank Dennett, and occupied by George Lessard and others. Chemical engine responded. Used one chemical tank.

Box 82. Monday, August 29, 10.50 P. M. Three-story brick block, No. 1074 Elm street, owned by heirs of A. B. Story—in room No. 2—occupied by the Misses Gaudette and Desrosiers, where a slight fire in a couch was started, doing but little damage. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Fire extinguished by throwing the couch out of the window. No water used.

STILL. Monday, August 29, 11.03 P. M. False alarm from No. 85 Spruce street, to which the Chemical engine responded.

Box 3. Tuesday, August 30, 10.32 A. M. Two-story wooden planing mill and box factory, corner of Valley and Pine streets, owned and occupied by Fellows & Son. Cause, sparks setting fire to shavings in a "chute" from planer to engine room. Box pulled by citizen. Companies responding, Engines 1, 7, Chemical, Hose 1, 3, Trucks 1, 3. No damage.

STILL. Tuesday, August 30, 8 P. M. Two-story dwelling-house, No. 654 North Main street, owned by Mrs. S. C. Clatur, and occupied by two families. A slight fire in a hall "hat-tree." Members of Engine & Ladder Company No. 6 responded with hose wagon. Used one pony extinguisher.

Box 323. Friday, September 2, 11.45 A. M. A henpen in rear of No. 391 Bartlett street, owned and occupied by Fred M. Brulotte. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6. Value of building, \$40; damage, \$40. No insurance.

STILL. Friday, September 2, 7.10 P. M. Chimney fire in two-and-a-half-story dwelling-house, No. 58 Orange street, owned by a Mr. Foster. Chemical engine responded. Used one pony extinguisher.

Box 324. Saturday, September 3, 9.51 P. M. A small barn, No. 148 Joliette street, owned and occupied by Paul Cullerot. Cause, caught from lamp while feeding a cow. Damage slight. Box pulled by citizen. Companies responding, Engines 2, 6; Truck 6.

Box 71. Tuesday, September 6, 7.45 A. M. Two-and-a-half-story wooden tenement and mercantile block, No. 136-138 Lake avenue, owned by estate of Ellen Kerins, and occupied by several parties. The fire originated in the basement where it was wholly confined. Cause unknown. Box pulled by —— Kerins. Companies responding, Engines 3, 4, Chemical, Hose 1, 3, Truck 3. Value of buildings, \$4,000; damage, \$193.50; insurance, \$3,000; insurance paid, \$193.50. Value of contents, \$500; damage, \$90; insurance, \$500; insurance paid, \$90.

STILL. Tuesday, September 6, 11.35 A. M. Small wooden shed in rear of No. 83 Amherst street, owned and occupied by Sullivan Bros. Cause, boys playing with matches. No damage. Chemical engine responded. Used one pony extinguisher.

Box 4. Wednesday, September 7, 2.31 P. M. A small shed in the rear of No. 66 Spruce street, occupied by Aristotides Vardis. Cause, oil stove. Damage, \$10. No insurance.

Box 82. Thursday, September 8, 11.48 A. M. Ash and garbage-holder in rear of Chandler block, No. 1191 Elm street. Cause, hot ashes. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Damage slight.

STILL. Thursday, September 8, 5.37 P. M. Three-story brick block, No. 177 Manchester street, owned by Mrs. Marion C. Smyth, and occupied by Napoleon Lapointe. Cause, kettle of candy boiling over. No damage. Chemical Engine Company responded.

STILL. Sunday, September 11, 7.15 P. M. Chimney fire in cottage house, No. 568 Beech street, owned and occupied by Joseph L. Tremblay. Chemical engine responded. Used one pony extinguisher and one chemical tank.

STILL. Friday, September 16, 6.48 P. M. Chimney fire in two-and-a-half-story dwelling, No. 547 Chestnut street, owned by estate of Nason Hall, and occupied by Joseph Soulette. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, September 17, 3.09 P. M. Four-story brick building on Willow street, owned by the Cohas Building Co., and occupied by W. H. McElwain Shoe Co. False alarm, caused by crossed wires on automatic fire signal. Members of Hose 3 responded.

STILL. Saturday, September 17, 3.20 P. M. Three-story dwelling, No. 364 Rimmon street, owned and occupied by Joseph Bilodeau. Cause, set by children under a "summer" kitchen. No damage. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Monday, September 19, 7.15 P. M. Four-story brick build-

ing under construction, No. 16 Mechanic street, owned by the Young Men's Christian association. Cause, reflection of lights used by workmen laying floors. No fire. Chemical engine responded.

Box 323. Monday, September 19, 11.58 P. M. False alarm. Companies responding, Engines 2, 6, Hose 1, Truck 6.

Box 711. Tuesday, September 20, 4.40 P. M. Two-and-a-half-story house, No. 225 Grove street, owned and occupied by John A. Connelly. Cause, gas stove. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, 3, Truck 3. Value of building, \$4,500; damage, \$45; insurance, \$3,500; insurance paid, \$45.

Box 7. Tuesday, September 20, 11.02 P. M. A pile of old railroad "ties" in rear of No. 148 Manchester street. Cause, cigarette stub. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Wednesday, September 21, 6 P. M. Two-and-one-half-story dwelling, No. 44 Bridge street, owned and occupied by A. J. Provencher. Cause, lace curtain too near gas jet. Chemical engine responded.

Box 71. Wednesday, September 21, 11 P. M. A barn at the corner of Pine and Valley streets, owned and occupied by Fellows & Son. Cause unknown. Box pulled by John Barbeau. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Truck 3. Value of building, \$650; damage, \$403.75; insurance, \$500; insurance paid, \$403.75. Value of contents, \$1,500; damage, \$764.75; insurance, \$1,000; insurance paid, \$764.75.

Box 7. Friday, September 23, 7.27 A. M. Slight fire on the shingle roof rear of No. 129 Hanover street on building owned by Shirley Merrill of Londonderry, and occupied by J. D. Perkins. Cause, sparks from chimney. Box pulled by citizen. Companies responding, Engines 1, 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Friday, September 23, 4.15 P. M. Chimney fire in three-story wooden dwelling, No. 518 Somerville street, owned and occupied by Oliver Boucher. Members of Engine 7 responded with wagon. Used one pony extinguisher.

STILL. Saturday, September 24, 8.10 P. M. An automobile on Pleasant street, opposite No. 36 Pleasant street, No. 2609, owned by George N. Butterfield. Cause, overflow of gasoline. Chemical engine responded. Used one pony extinguisher.

STILL. Thursday, September 29, 12.32 P. M. Two-story dwelling, No. 7 School street, owned and occupied by Mrs. Eliza Schink. Cause, sparks from chimney set fire to shingles on roof of ell part. Engine Company No. 2 responded with Combination wagon. Used two pony extinguishers, and one chemical tank. Value of building, \$5,500; damage, \$100; insurance, \$2,500; insurance paid, \$100.

Box 15. Saturday, October 1, 7.07 P. M. Electric wire in contact with a tree at the corner of Chestnut and Pearl back streets. No

damage. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5, Flying Squadron. No services required.

STILL. Saturday, October 1, 7.15 P. M. Chimney fire in four-story wooden block, No. 571 Elm street, owned by Michael Conner, and occupied by Joseph Job and others. Members of Engine and Ladder Company No. 3, Hose 3 and the Chemical were called. Used one pony extinguisher.

STILL. Sunday, October 2, 9.48 A. M. Chimney fire in two-story tenement house, No. 54 Derryfield lane, owned and occupied by Joseph Duda. Flying Squadron and members of Truck No. 1 responded. Used one chemical tank.

STILL. Sunday, October 2, 10.02 A. M. Chimney fire in two-and-a-half-story wooden tenement house, owned by P. Harrington heirs, and occupied by Timothy Healy. Chemical engine and Flying Squadron responded. Used two pony extinguishers.

STILL. Sunday, October 2, 11.50 A. M. Brush fire on Huse road at Manchester Center, on land owned by the Isaac Huse heirs. Flying Squadron responded. No damage. Used three pony extinguishers.

STILL. Sunday, October 2, 3.10 P. M. Grass fire on land owned by Amoskeag Mfg. Co., corner Wayne and Hevey streets. Set by boys. Members of Engine and Ladder Company 6 responded.

STILL. Sunday, October 2, 4.10 P. M. Grass fire on land owned by Amoskeag Mfg. Co. on South Elm street, near South Manchester chapel. Hose Company No. 3 responded.

STILL. Monday, October 3, 7.25 A. M. Leaves in a bulkhead of the four-story brick block, No. 945 Elm street, owned by George H. Brown, and occupied by Brown & Burpee, opticians. Flying Squadron responded.

STILL. Monday, October 3, 11.45 P. M. A flagman's "shanty" on Boston & Maine Railroad, near the gasworks, owned by the Boston & Maine Railroad. Cause, overheated stove. Damage slight. Flying Squadron responded. Used one chemical tank.

Box 7. Tuesday, October 4, 4.45 P. M. Four-story wooden building, No. 127 Hanover street, owned by Shirley Merrill of Londonderry, N. H., and occupied by J. D. Perkins for naphtha cleaning. Cause, boy stepped on snapping match. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, Trucks 1, 3, and the Flying Squadron. Fire extinguished by chemical stream. No damage.

Box 7. Tuesday, October 4, 7.44, 7.46, 7.53 P. M. (General alarm). Two-story stable and three dwelling-houses, from 145 to 163 Hanover street, owned by John N. Sanborn and J. M. Johnson of Derry, N. H., and occupied by Edward L. Bohan, stable; J. S. Dyef, automobile repair shop, and tenants Salome, Cormier, Morris Felsher, Jennie Gendron, W. J. Milligan and others. Cause unexplained, although it started near some gasoline, which aided the spread of the flames.



First two alarms were pulled in by Officer Badger, and the third alarm by Tom Lane Kellogg (per order of Chief). Companies responding, Engines 1, 2, 3, 4, 5, 6, 7, Chemical, Hose 1, 2, 3, Combination No. 2, Flying Squadron, Trucks 1, 3, 5, 6. The Amoskeag Mfg. Co. sent up their steamer, the "T. Jefferson Coolidge," but it was not used. Value of buildings, \$13,800; damage, \$5,631; insurance, \$7,200; insurance paid, \$3,361. Value of contents, \$8,750; damage, \$3,631; insurance, \$4,250; insurance paid, \$2,295.

STILL. Tuesday, October 4, 10.47 P. M. Rekindling of foregoing fire in Dyer's repair shop. Responded to by Flying Squadron. Used one pony extinguisher.

STILL. Tuesday, October 4, 11.35 P. M. Rekindling of foregoing fire in Bohan's stable. Responded to by the Flying Squadron. Used one pony extinguisher.

STILL. Wednesday, October 5, 6.05 A. M. Rekindling of last night's fire in livery stable, No. 145 Hanover street. Flying Squadron responded. Used one pony extinguisher.

STILL. Wednesday, October 5, 5.15 P. M. City dump, corner of Pine and Green streets. Flying Squadron responded.

Box 3. Thursday, October 6, 1.15 P. M. The shaving bin at Fellows & Sons' box factory, corner of Pine and Valley streets. Cause, sparks from boiler. Box pulled by citizen. Companies responding, Engines 4, 7, Chemical, Hose 3, Flying Squadron, Trucks 1, 3. No damage.

STILL. Thursday, October 6, 7.45 P. M. City dump on Maple street. Members of Engine 7 responded with hose wagon. Used one pony extinguisher.

STILL. Friday, October 7, 12.29 M. Chimney fire in four-tenement wooden block, No. 98 A street, owned by Mrs. E. J. Bergland, and occupied by four families. Members of Engine Company No. 2 responded with combination wagon. Used two pony extinguishers and one chemical tank.

STILL. Sunday, October 9, 10.43 A. M. An automobile, at the corner of Concord and Nashua streets, owned by Dr. Walter T. Crosby. Cause, "back fire" in carburetor. Flying Squadron responded. Used one pony extinguisher.

Box 73. Sunday, October 9, 7.19 P. M. Four-story wooden tenement block, No. 363 Beech street, owned by Mrs. Rose Stoll, and occupied by several families. Cause, broken gas pipe. No fire. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 2, 3, Flying Squadron, Truck 3.

STILL. Monday, October 10, 11 A. M. Two-story brick tenement block, No. 21 Whitney street, owned by Amoskeag Mfg. Co., and occupied by W. J. Davit. Cause, overheated stove. Flying Squadron responded.

STILL. Monday, October 10, 4.20 P. M. An automobile at 36-38 Pleasant street, Sullivan Bros.' garage. Flying Squadron responded. Extinguished before their arrival.

STILL. Monday, October 10, 7.57 P. M. Chimney fire in four-story brick block, No. 891 Elm street, owned by C. B. Littlefield, and occupied by John J. Holland as a drugstore. Flying squadron responded. No services required.

Box 4. Tuesday, October 11, 11.43 A. M. Two-story dwelling-house, rear 46 Auburn street, owned by Mrs. Kate Gill, and occupied by Andrew Triantes as a dwelling, and a naphtha cleaning establishment. Mr. Triantes was severely burned about the face and hands in trying to recover some money from a closet. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Flying Squadron, Trucks 1, 3. Value of building, \$800; damage, \$180; insurance, \$800; insurance paid, \$180. Value of contents, \$150; damage, \$30. No insurance.

STILL. Wednesday, October 12, 1.03 P. M. Grass fire in field east of Manchester & Lawrence branch railroad, owned by Timothy McKenna. Cause, sparks from locomotive on Boston & Maine Railroad. Hose 3 responded.

STILL. Wednesday, October 12, 5.08 P. M. Three-story wooden tenement block, No. 154 (rear) Manchester street, owned by C. Cheron, and occupied by several families. Cause, funnel fell from stove, filling room with smoke. Flying Squadron responded. No services needed.

STILL. Thursday, October 13, 7.45 A. M. Four-story brick block, No. 20 Concord street, owned by Arthur Desrocher, and occupied by several parties. Cause, hot ashes in ash chute. No damage. Flying Squadron responded.

STILL. Thursday, October 13, 8.30 P. M. Two-and-a-half-story wooden tenement block, No. 20 Marion street, owned by Edwin Gresley, and occupied by Philip Lavoie and others. Cause, chimney. Members of Engine and Ladder Company No. 6 responded with hose wagon.

Box 15. Friday, October 14, 12.14 NOON. Three-and-a-half-story wooden tenement block, No. 517 Chestnut street, owned by H. A. Buck and Isabella G. Mack, and occupied by Edward H. Holmes and others. Cause, sparks from chimney. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Flying Squadron, Trucks 1, 5. Extinguished by Chemical. Value to building, \$5,000; damage, \$38.05; insurance, \$4,000; insurance paid, \$38.05. No damage to contents.

STILL. Friday, October 14, 1.35 P. M. Three-and-a-half-story wooden block, No. 1161 Elm street, owned by estate of A. H. Weston, and occupied by F. F. Chancey, as a lodging-house. Cause, smoke from chimney. No fire. Flying Squadron responded.

Box 15. Saturday, October 15, 7.32 A. M. Two-and-a-half-story tenement house, No. 73 Orange street, owned by Frank W. Griffin, and occupied by Rose Desrochers and others. Cause, breaking a lighted



lantern. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Flying Squadron, Trucks 1, 5. Fire extinguished with chemical. Value of building, \$4,000; damage, \$25; insurance, \$2,500; insurance paid, \$25. No damage to contents.

STILL. Monday, October 17, 10 A. M. Two-and-a-half-story dwelling, No. 415 Pine street, owned by Joseph LaFlamme, and occupied by Mrs. ——— Odette. Cause, burning paper in stove. Flying Squadron responded.

Box 4. Monday, October 17, 9.31 P. M. One-story wooden building, No. 523 Elm street, owned by E. M. Slayton, and occupied by Gikas Bros. as a laundry. Slight fire among some clothes. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Flying Squadron, Trucks 1, 3.

STILL. Tuesday, October 18, 3.35 P. M. Forest fire in Wilson Crossing endangering the railroad depot and farm buildings. Flying Squadron with nine men responded, covering the distance, eight miles, in twenty minutes, and saving buildings.

STILL. Wednesday, October 19, 3.15 P. M. Grass and brush fire in Derryfield park, corner of Bridge street and Mammoth road. Flying Squadron and members of Combination No. 2 and other companies responded. Used one pony extinguisher and one chemical tank.

STILL. Wednesday, October 19, 5.55 P. M. Chimney fire in wooden tenement block, No. 18 North Main street, owned by Frank P. Johnson, and occupied by several families. Members of Engine No. 2 responded with Combination wagon. Used two pony extinguishers.

STILL. Friday, October 21, 12.50 P. M. Hedge around the grounds of Mrs. William E. Buck, No. 324 Myrtle street. Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Friday, October 21, 1.05 P. M. Brush fire in Derryfield park. Flying Squadron responded.

STILL. Friday, October 21, 1.15 P. M. Chimney fire in wooden tenement block, No. 54 Pearl street, owned by estate of Nason Hall, and occupied by Frank Laviere and others. Flying Squadron responded. Used one pony extinguisher.

STILL. Friday, October 21, 6.10 P. M. Brush fire in Derryfield park. Flying Squadron responded.

STILL. Saturday, October 22, 9.45 A. M. Derryfield park. False alarm. Flying Squadron responded, but could find no fire.

Box 6. Saturday, October 22, 10.35 P. M. Two-story wooden building, No. 917 Elm street, owned by Mrs. Mary J. Fogg, and occupied by J. E. Parant & Co. as an art store. Cause unknown. Companies responding, Engines 1, 4, Chemical, Hose 1, 2, Flying Squadron, Trucks 1, 5. Fire extinguished with Chemical. Value of building, \$2,000; damage, \$89.62; insurance, \$2,000; insurance paid, \$89.62. Value of contents, \$1,000; damage, \$193.66; insurance, \$500; insurance paid, \$193.66.

STILL. Sunday, October 23, 6.45 A. M. Rekindling of last evening's fire at 917 Elm street in art store of J. C. Parant & Co. Flying Squadron responded. Used one pony extinguisher.

BOX 6. Monday, October 24, 12.46 A. M. Three-story brick block, No. 924 Elm street, owned by the estate of John J. Bell of Exeter, N. H., and occupied by David N. Perkins, attorney. Fire started in a storage closet; cause unknown. Box pulled by Officer Graf. Companies responding, Engines 1, 4, Chemical, Hose 1, 2, Flying Squadron, Trucks 1, 5. Value of building, \$35,000; damage, \$637.34; insurance, \$22,500; insurance paid, \$637.34. Value of contents, \$3,500; damage, \$981; insurance, \$1,500; insurance paid, \$981.

STILL. Monday, October 24, 4.24 P. M. Freight car on side track on Turner street, owned by Boston & Maine Railroad, and loaded with cement blocks for J. M. Dolan. Flying Squadron responded. Used one chemical tank.

STILL. Wednesday, October 26, 10.25 A. M. Chimney fire in a cottage house, No. 122 Oakland avenue, owned and occupied by W. E. Warren. Members of Engine and Ladder Co. No. 3 responded. Used one pony extinguisher.

STILL. Wednesday, October 26, 2.30 P. M. Four-story brick building—the State Industrial School—owned by the state of New Hampshire, and situated on North River road. Cause, melting floorwax, and it boiled over. Flying Squadron responded. Extinguished by throwing the burning mass out of doors before the arrival of the apparatus.

STILL. Wednesday, October 26, 5.26 P. M. Chimney fire in two-story tenement block, No. 40 Merrimack street, owned by K. of P. syndicate, and occupied by several families. Flying Squadron responded. Used one pony extinguisher.

BOX 115. Thursday, October 27, 8.23 A. M. One-story wooden building, No. 130 Brook street, owned by estate of C. C. Babbitt, and occupied by James Kearns as a grocery store, known as Brook-street market. The fire originated in the basement, near the furnace, where it was wholly confined. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 5, Chemical, Hose 2, Flying Squadron, Truck 5. Value of building, \$1,500; damage, \$150; insurance, \$1,000; insurance paid, \$150. Value of contents, \$2,500; damage, \$500; insurance, \$2,000; insurance paid, \$500.

BOX 4. Saturday, October 29, 10.06 P. M. An ash chute in rear of No. 615 Elm street, owned by the heirs of Daniel Connor. Damage slight. Box pulled by an officer. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Flying Squadron, Trucks 1, 3.

BOX 4. Sunday, October 30, 11.02 A. M. Four-story brick block, No. 550 Elm street, owned by heirs of Daniel Connor, and occupied by several families. Cause, small dish of gasoline ignited, doing little (if any) damage. Box pulled by citizen. Companies responding, En-

gines 3, 4, Chemical, Hose 1, 3, Flying Squadron, Trucks 1, 3. No services required.

STILL. Sunday, October 30, 11.40 A. M. Chimney fire in brick tenement block, No. 11 Arkwright street, owned by Amoskeag Mfg. Co., and occupied by Elizabeth McCabe and others. Flying Squadron responded. Used two pony extinguishers.

STILL. Monday, October 31, 5.40 P. M. Three-story wooden dwelling, No. 416 Rimmon street, owned by Francis Paradis, and occupied by Olair Bergeron and others. Fire in closet. Cause unknown. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Monday, October 31, 5.45 P. M. Rags in cellar of dwelling, No. 621 Somerville street, owned by A. L. Southwick, and occupied by Joseph D. Sancbucie. Extinguished without assistance of department. Members of Engine Company No. 7 responded with hose wagon.

STILL. Tuesday, November 1, 6.35 P. M. Chimney fire in cottage house, No. 22 Winter street, owned by John McKelvie, and occupied by H. Brecault. Members of Engine No. 2 responded with Combination wagon. Used one chemical tank.

STILL. Wednesday, November 2, 3.55 P. M. Two-and-a-half-story tenement house, No. 443 Dubuque street, owned by T. J. Labrecque, and unoccupied. False alarm. Members of Engine and Ladder No. 6 responded, but could find no fire.

STILL. Thursday, November 3, 5.45 A. M. Two-and-one-half-story wooden block, No. 21 Amherst street, owned by Benjamin E. Thompson, and occupied by Richards & Thornton as a liquor saloon. Cause, dry boiler. Flying Squadron responded. No services required.

STILL. Friday, November 4, 1.45 P. M. Chimney fire in two-and-a-half-story dwelling, No. 507 Montgomery street, owned by Napoleon Lemire, and occupied by him and others. Members of Engine and Ladder Company No. 6 responded, with hose wagon. Used two pony extinguishers.

Box 53. Monday, November 7, 10.20 A. M. Two-and-a-half-story wooden building, No. 194 South Main street, owned and occupied by the Ranno Saddlery Co. for a harness manufactory. Cause, sparks from boiler setting fire to waste bin. No damage. Box pulled by Charles F. Jackson. Companies responding, Engines 2, 6, Hose 1, Flying Squadron, and Truck 6.

STILL. Monday, November 7, 2.07 P. M. Two-and-a-half-story brick club house (Derryfield club), No. 3 Water street, owned by Amoskeag Mfg. Co., and occupied by the Derryfield club. Cause, spontaneous combustion of soft coal in coal bin in the basement. No damage. Flying Squadron responded. Used one chemical tank.

Box 6. Monday, November 7, 11.53 P. M. Four-story brick block, Nos. 847-849 Elm street, owned by Otis Barton, and occupied by the

Barton Co. Dry and Fancy Goods store. Cause, electric wires in workroom on fourth floor. Companies responding, Engines 1, 4, Hose 1, 2, Trucks 1, 5. (Chemical in repair shop.) Value of building, \$55,000; damage, \$90; insurance, \$25,000; insurance paid, \$90. Value of contents, \$100,000; damage, \$622; insurance, \$97,500; insurance paid, \$622.

STILL. Tuesday, November 8, 6.30 A. M. Sheds at the concrete works on Donald street, owned and occupied by Robie Consolidated Concrete Co. Cause, overheated flue of pitch kettle. Members of Engine Company No. 2 responded with Combination wagon. No services required.

STILL. Wednesday, November 9, 6.07 P. M. Brush fire on Deer Neck road beyond the Massabesic pavilion, four and one-half miles from Central Station. Flying Squadron with detail of men responded.

STILL. Saturday, November 12, 2.55 P. M. Chimney fire in cottage house, No. 72 Winter street, owned and occupied by J. D. Mincanet. Members of Engine Company No. 2 responded with Combination wagon. Used one chemical tank.

STILL. Sunday, November 13, 12.25 P. M. Grass fire on Westland avenue, owned by Riverside Land Co. No damage. Hose Company No. 3 responded.

STILL. Sunday, November 13, 1.20 P. M. Grass fire in field near Amoskeag depot, west of North River road, owned by Harry G. Clough. Flying Squadron responded.

STILL. Tuesday, November 15, 7.40 A. M. Automobile at 747 Chestnut street, owned by Dudley D. Felton. Cause, back fire in carburetor. Members of Engine and Ladder Company No. 5 and Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Wednesday, November 16, 12.05 A. M. Three-story brick building, No. 999 Elm street, owned by Halbert N. Bond and others, and occupied by Amoskeag Veterans as an armory. Cause, cigarette stub thrown by radiator pipe. Flying Squadron responded. Used one pony extinguisher.

Box 217. Thursday, November 17, 3.11 A. M. Cottage house, No. 408 Candia road, owned by Platts Bros. and occupied by Fred A. Platts. Cause, defective chimney. Box pulled by F. A. Platts. Companies responding, Engines 3, 7, Hose 2, Combination 2, Flying Squadron, Truck 3. Value of building, \$4,500; damage, \$598; insurance, \$2,500; insurance paid, \$598. Value of contents, \$2,500; damage, \$400; insurance, \$600; insurance paid, \$400.

STILL. Friday, November 18, 3.40 A. M. A wooden stable on Dearborn street, near Taylor, owned and occupied by McQuesten & Lewis. Baled shavings caught from some unknown cause. Members of Engine and Ladder Company No. 3 responded with hose wagon. Used one pony extinguisher.



STILL. Friday, November 18, 6.31 P. M. Chimney fire in cottage house at No. 830 Brown avenue, owned by city of Manchester, and occupied by Ed. Emerson. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Friday, November 18, 8.25 P. M. The two-story brick ell of the State Industrial School on North River road, owned and occupied by state of New Hampshire. Slight fire in boiler room. Members of Engine and Ladder Company No. 5 and Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Saturday, November 19, 6.45 A. M. Chimney fire in two-story tenement house, No. 123 Amherst street, owned and occupied by Catherine Lynch. Flying Squadron responded. Used one pony extinguisher.

STILL. Saturday, November 19, 11.45 A. M. Chimney fire in two-and-a-half-story tenement house, No. 60 Cedar street, owned by Margaret Sheehan, and occupied by John Connor. Flying Squadron responded. Used one pony extinguisher.

STILL. Saturday, November 19, 2.30 P. M. Automobile at 297 Orange street, owned by Dr. A. Gale Straw. Cause, back fire in barbaretor. Flying Squadron responded. Used one pony extinguisher.

STILL. Saturday, November 19, 4.15 P. M. Three-story flat roof tenement house, No. 406 North Main street, owned and occupied by Joseph N. Perreault. Flying Squadron responded. No services required.

STILL. Saturday, November 19, 5.20 P. M. Chimney fire in six-tenement wooden block, No. 5 Laurel avenue, owned by Ann McAllister, and occupied by James Frawley and others. Flying Squadron responded. Used one pony extinguisher.

STILL. Sunday, November 20, 7.15 A. M. Chimney fire in two-story wooden dwelling, No. 452 Chestnut street, owned by the estate of Samuel W. Parsons, and occupied by Nasha Bourque. Flying Squadron responded. No services required.

STILL. Sunday, November 20, 9.02 A. M. Chimney fire in two-story wooden dwelling, No. 100 Concord street, owned by Normand Bros., and occupied by Peter Kaleney. Flying Squadron responded. Used one pony extinguisher and one chemical tank.

Box 53. Sunday, November 20, 10.47 A. M. Two-story wooden dwelling, No. 58 Winter street, owned by Charles J. Johnson, and occupied by Thomas Nassue. Cause, defective chimney. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Flying Squadron, Truck 6. Value of building, \$1,800; damage, \$41; insurance, \$1,500; insurance paid, \$41. Value of contents, \$1,000; damage, \$200; insurance, \$700; insurance paid, \$200.

Box 62. Sunday, November 20, 11.11 A. M. A lace curtain in dwelling, No. 497 Brown avenue, owned and occupied by Philip Charron. Damage slight. Box pulled by citizen. Companies responding, En-

gines 1, 7, Hose 1, 3, Flying Squadron, Truck 3. No services required.

STILL. Sunday, November 20, 1.57 P. M. Grass fire on land of Timothy McKenna, between Nutt road and Boston & Lowell Railroad. Cause, sparks from Boston & Maine locomotive. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Sunday, November 20, 3 P. M. Brush fire on Coolidge avenue, on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded with hose wagon.

STILL. Monday, November 21, 7.45 P. M. An automobile at 77 Lowell street at the garage of the Fitz-Dillingham Co., and owned by them. Flying Squadron responded. Used one pony extinguisher and one chemical tank.

STILL. Tuesday, November 22, 7.15 P. M. Chimney fire in three-story tenement house, No. 406 North Main street, owned by Napoleon Perreault, and occupied by three families. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used two pony extinguishers.

STILL. Friday, November 25, 2.45 P. M. Chimney fire in two-story brick (front) building, No. 923 Elm street, owned by heirs of A. W. Quint and occupied by Manchester Tea Store. Flying Squadron responded. No services required.

STILL. Sunday, November 27, 7 A. M. Chimney fire in cottage house, 581 Hanover street, owned and occupied by Frank P. Buswell. Combination No. 2 responded with Combination wagon. Used two pony extinguishers.

STILL. Sunday, November 27, 7.55 P. M. Chimney fire in two-story dwelling-house, No. 284 Sullivan street, owned by Arthur E. Eastman, and occupied by J. F. Sullivan and Jacob Luicha. Members of Engine Company No. 2 responded with Combination wagon. No services required.

Box 323. Monday, November 28, 11.52 P. M. Two-story wooden dwelling, No. 284 Sullivan street, owned by Arthur E. Eastman, and occupied by Jacob Luicha and J. F. Sullivan. Cause, defective chimney. Box pulled by Jacob Luicha. Companies responding, Engines 2, 6, Hose 1, Flying Squadron, Truck 6. Value of building, \$3,000; damage, \$875; insurance, \$2,000; insurance paid, \$875. Value of contents, \$1,150; damage, \$330; insurance, \$900; insurance paid, \$273.95.

STILL. Tuesday, November 29, 1.46 P. M. Chimney fire in three-story wooden tenement block, No. 9 Orange street, owned by W. D. Young, and occupied by John Pokigo. Flying Squadron responded. Used two pony extinguishers.

STILL. Thursday, December 1, 4.20 P. M. Two-story brick school-house, corner of Lowell and Chestnut streets, owned by the city of Manchester, and used as a Manual Training school. Cause, smoky stove. Flying Squadron responded.



STILL. Sunday, December 4, 9.30 A. M. False alarm. Three-story wooden shoe shop, No. 343 Kelley street, owned by the Rimmon Mfg. Co., and occupied by H. B. Reed & Co. Cause, short circuiting a thermostat by a workman. Members of Engine and Ladder Company No. 6 responded with hose wagon.

Box 3. Sunday, December 4, 10.16 A. M. Three-and-a-half-story tenement block, Nos. 136-140 Willow street, owned by Freeman Higgins and F. B. Dennett and occupied by Ernest Martel and others. Cause, defective chimney. Box pulled by citizen. Companies responding, Engines 1, 7, Hose 1, 3, Flying Squadron, Trucks 1, 3. Value of building, \$4,000; damage, \$422; insurance, \$2,500; insurance paid, \$422. Value of contents, \$800; damage, \$75. No insurance.

STILL. Monday, December 5, 6 P. M. Chimney fire in four-story wooden tenement block, No. 223 Manchester street, owned by Mrs. Greenough Sanborn, and occupied by M. H. Stone and others. Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Tuesday, December 6, 10.55 A. M. Four-story brick building, owned by Stark mills, and occupied by them as a picker-house, on north side of Bridge street, at McGregor bridge. Flying Squadron responded, but their services were not required.

STILL. Tuesday, December 6, 12.50 P. M. Tenement house at No. 243 East High street, owned by H. M. Moody, and occupied by Frank Stewart and others. Cause, thawing water pipes, ignited water-meter box. Hose Company No. 2 responded. Used two pony extinguishers.

STILL. Tuesday, December 6, 2.30 P. M. Chimney fire in two-story wooden tenement dwelling, No. 133 Manchester street, owned by Elizabeth Joyce, and occupied by Mary Houle. Responded to by Flying Squadron and after attending to this chimney on the return, attended to a chimney fire in four-story brick block, No. 83 Manchester street, owned and occupied by Joseph Quirin as wholesale liquor store. Used one chemical tank on the two chimneys.

STILL. Wednesday, December 7, 6.30 P. M. Chimney fire in three-story wooden dwelling-house, No. 218 Notre Dame avenue, owned by Celanire Trottier, and occupied by C. Trottier and others. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used two pony extinguishers.

STILL. Thursday, December 8, 5.06 P. M. Chimney fire in three-story wooden block, No. 95 Central street, owned by Precourt & Quirin, and occupied by DesRochers & Vezina as grocery store. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 9, 11.12 A. M. Chimney fire in two-story dwelling, No. 67 Orange street, owned by Mrs. Emma Bond, and occupied by Mrs. Mary Woolman. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 9, 6.10 P. M. Chimney fire in two-story

wooden tenement block, No. 26 Concord street, owned by the Stark Corporation, and occupied by Mose Allard and others. Flying Squadron responded. No services required.

STILL. Friday, December 9, 7.10 P. M. Chimney fire in two-and-a-half-story tenement block, No. 334 Pine street, owned by Fred Walker, and occupied by Tom Clancy. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 9, 9.30 P. M. Three-story wooden dwelling house, No. 760 Somerville street, in process of building; owned by Mrs. ——— Belliveau. Cause, drying plastering. Members of Engine Company No. 7 responded with hose wagon. No services needed.

STILL. Saturday, December 10, 7.05 A. M. Three-story wooden tenement block, No. 154 Manchester street, owned by Charles Cheron, and occupied by Alisander Stancizak. Cause, thawing out water pipes. No services required.

STILL. Saturday, December 10, 4.52 P. M. Chimney fire in two-story wooden dwelling-house, No. 597 Chestnut street, owned by Amoskeag Mfg. Co., and occupied by Elliott C. Lambert. Flying Squadron responded. Used one pony extinguisher.

Box 131 for Box 4. Sunday, December 11, 10.28 A. M. Three-story flat-roof wooden building, Nos. 80-82 Lake avenue, owned by Rabbi Pinkus Schachter, and occupied by several families. Cause, thawing water pipes. Box pulled by citizen. Companies responding, Engines 3, 4, Hose 1, 3, Flying Squadron, Trucks 1, 3. Value of building, \$2,500; damage, \$700; insurance, \$1,500; insurance paid, \$700. Value of contents, \$750; damage, \$150; insurance, \$400; insurance paid, \$150.

STILL. Monday, December 12, 9.30 P. M. Chimney fire in two-tenement cottage house, No. 63 Brook street, owned by the estate of Dr. James F. Brown, and occupied by A. H. Wilson. Flying Squadron responded. Used one pony extinguisher.

Box 31. Monday, December 12, 9.37 P. M. One-story brick building, corner Canal and Hollis streets, owned by American Locomotive Co., and occupied by them as a blacksmith shop. Cause, overheating of "Babbit" furnace. Box pulled by watchman. Companies responding, Engines 1, 5, Hose 1, Flying Squadron, Truck 1, 5. Extinguished by chemicals. Value of building, \$40,000; damage, \$125; insurance (blanket); insurance paid, \$125. No damage to contents.

STILL. Tuesday, December 13, 6 P. M. Chimney fire in two-story wooden tenement block, No. 5 Laurel street, owned by Rimmon Realty Co., and occupied by Patrick J. Donovan. Flying Squadron responded. Used one chemical tank.

STILL. Thursday, December 15, 11.48 A. M. A shelter tent on the Elliot Hospital grounds, owned by the hospital and used for sleeping quarters for the nurses. Cause of fire unknown. Flying squadron responded. Used one pony extinguisher and one chemical tank. Value of tent, \$20; damage, \$20. Value of contents, \$60; damage, \$50. No insurance on either.

STILL. Thursday, December 15, 7 P. M. Chimney fire in three-story wooden tenement block, No. 234 Chestnut street, owned by Mrs. Irene A. Wheat, and occupied by Peter Cosmere. Flying Squadron responded. No services required. While out to this they attended a chimney fire in the three-story wooden tenement block, No. 280 Pine street, owned by the estate of Ellen Kerins. Used one chemical tank.

STILL. Thursday, December 15, 10.15 P. M. Chimney fire in three-story wooden tenement block, No. 438 North Main street, owned by Alphonse Grenier, and occupied by three families. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Friday, December 16, 9.12 A. M. Chimney fire in wooden tenement block, No. 426 Second street, owned by B. J. Mack, and occupied by four families. Members of Engine No. 2 responded with Combination wagon. Used one chemical tank.

Box 325. Friday, December 16, 3.25 P. M. Three-story wooden tenement house, No. 578 Hevey street, owned by Francois Lariviere, and occupied by Euclide F. Geoffrion, Joseph Goran, and Benjamin Lavallo. Cause, hot ashes. Box pulled by Philip Lavoie. Companies responding, Engines 2, 6, Hose 1, Flying Squadron, Truck 6. Value of building, \$4,500; damage, \$445; insurance, \$3,500; insurance paid, \$445. Value of contents, \$800; damage, \$125; insurance, \$300; insurance paid, \$125.

Box 72. Friday, December 16, 5.35 P. M. Cottage house, No. 316 East Spruce street, owned by Mrs. Marceline Requier. Cause, a hot flatiron set bed on fire. Box pulled by citizen. Companies responding, Engines 1, 3, Hose 2, 3, Flying Squadron, Truck 3. Used one chemical tank. Value of building, \$3,000; damage, \$24; insurance, \$2,500; insurance paid, \$24. Value of contents, \$500; damage, \$10. No insurance.

STILL. Sunday, December 18, 10.55 A. M. Cottage house, No. 418 Chestnut street, owned by Joseph LaFlamme, and occupied by Henri Bouchard. Cause, rubbish in the cellar. Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Wednesday, December 21, 10 A. M. Chimney fire in dwelling-house, No. 7 Foster avenue, owned by Fred A. Platts, and occupied by John McDonough. Engine Company No. 7 responded. Used one pony extinguisher.

STILL. Thursday, December 22, 1.15 A. M. Cottage house, No. 568 Beech street, owned and occupied by Joseph O. Tremblay. Flying Squadron responded, but upon their arrival they immediately pulled box 17.

Box 17. Thursday, December 22, 1.25 A. M. Cottage house, No. 568 Beech street, owned and occupied by Joseph O. Tremblay. Cause, electric wires. Box pulled by W. G. Fraser. Companies responding,

Engines 3, 4, Hose 1, 2, Flying Squadron, Truck 3. Value of building, \$7,000; damage, \$3,000; insurance, \$4,500; insurance paid, \$3,000. Value of contents, \$5,000; damage, \$2,000; insurance, \$2,500; insurance paid, \$2,000.

STILL. Thursday, December 22, 8.37 P. M. Cottage house, No. 25 Linden street, owned by P. H. Connor, and occupied by W. C. Swallow. Cause of fire unknown. Only a mop and broom destroyed. Flying Squadron responded. Used one pony extinguisher.

STILL. Friday, December 23, 7.32 A. M. Four-story brick building on Willow street, owned by Cohas Building Co., and occupied by W. H. McElwain Shoe Co. Cause, blowpipe lamp. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Friday, December 23, 7.45 P. M. Three-story wooden tenement house, No. 148 Merrimack street, owned by Cavanaugh & Simpson, and occupied by Phelia Laroche. Cause, overturned oil stove. Damage, slight. Flying Squadron responded. Used one pony extinguisher.

Box 21. Saturday, December 24, 11.40 P. M. Three-story wooden block, No. 126 Merrimack street, owned by and occupied by Joseph Lube as a fruit and tobacco store. Cause, gas jet burning a small hole in sheathing over head. Box pulled by citizen. Companies responding, Engines 1, 3, Hose 1, Flying Squadron, Truck 3. Used two pony extinguishers. Value of building, \$3,000; damage, \$25; insurance, \$1,000; insurance paid, \$25. Value of contents, \$800; damage, \$137.50; insurance, \$800; insurance paid, \$137.50.

Box 21. Sunday, December 25, 4.32 P. M. Two-and-a-half-story tenement house, No. 108 Merrimack street, owned by Charles A. Brooks, and occupied by E. C. Dow and A. Bellmere. Cause, smoking in bed. Box pulled by citizen. Companies responding, Engines 3, 4, Hose 1, Flying Squadron, Trucks 1, 3, extinguished by chemical. Value of building, \$2,200; damage, \$30; insurance, \$1,200; insurance paid, \$18.40. Value of contents, \$30; damage, \$10. No insurance.

STILL. Sunday, December 25, 4.45 P. M. A "smoking" chimney in two-story wooden building, No. 159 South Main street, owned by George S. Eastman estate, and occupied by Annis & Co. for general merchandise. Members of Engine Company No. 2 responded with Combination wagon.

STILL. Monday, December 26, 1.05 A. M. Chimney fire in three-story wooden block, No. 415 Granite street, owned by C. S. Derby, and occupied by six families. Members of Engine No. 2 responded with Combination wagon. Used one pony extinguisher.

STILL. Thursday, December 29, 10.15 A. M. Mechanics hall, No. 35 Lowell street, owned by the heirs of Aretas Blood, and occupied by Daniel J. Gallagher for moving pictures. Cause, cigarette stub in box of rubbish. No damage. Flying Squadron responded. Used one chemical tank.



STILL. Thursday, December 29, 9.20 P. M. An automobile at 73 Lowell street, owned by Fitz-Dillingham Co. Cause, "back fire" in carburetor. Flying Squadron responded. Used one chemical tank.

STILL. Thursday, December 29, 11.20 P. M. Chimney fire in a one-story flat-roof wooden building, No. 113 Hanover street, owned by Michael Gilbert, and occupied by A. G. Hood as a florist store. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 30, 4.46 P. M. Chimney fire in four-story brick block, mansard roof (the Webster Block), 1280-1306 Elm street, owned by Edwin Kennedy and others, and occupied by Mrs. Mary Goodwin and others. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 30, 5.59 P. M. Chimney fire in four-story wooden tenement block, No. 585 Elm street, owned by Gordon Woodbury, and occupied by Archille Poisson and others. Flying Squadron responded. Used two pony extinguishers.

STILL. Saturday, December 31, 8.15 P. M. Chimney fire in three-story wooden block, No. 42 Church street, owned by Mrs. Alonzo H. Weston and occupied by A. Bergeron. Flying Squadron responded. Used one chemical tank.

**Number of Alarms by Months.**

|                 | Bell. | Still. | Total. |
|-----------------|-------|--------|--------|
| January .....   | 7     | 17     | 24     |
| February .....  | 8     | 22     | 30     |
| March .....     | 6     | 39     | 45     |
| April .....     | 19    | 47     | 66     |
| May .....       | 8     | 26     | 34     |
| June .....      | 5     | 12     | 17     |
| July .....      | 12    | 20     | 32     |
| August .....    | 12    | 9      | 21     |
| September ..... | 10    | 12     | 22     |
| October .....   | 16    | 40     | 56     |
| November .....  | 6     | 30     | 36     |
| December .....  | 8     | 34     | 42     |
|                 | 117   | 308    | 425    |

COMPANIES RESPONDING.

| MONTHS.         | ENGINES. |    |    |    |    |    |    | Chemical. | HOSE. |    |    | Combs't'n 2. | Squad A. | TRUCKS. |    |    |    |
|-----------------|----------|----|----|----|----|----|----|-----------|-------|----|----|--------------|----------|---------|----|----|----|
|                 | 1        | 2  | 3  | 4  | 5  | 6  | 7  |           | 1     | 2  | 3  |              |          | 1       | 3  | 5  | 6  |
| January .....   | 5        | 0  | 5  | 2  | 2  | 1  | 1  | 12        | 5     | 3  | 3  | 0            | ....     | 4       | 5  | 2  | 0  |
| February .....  | 4        | 3  | 4  | 2  | 1  | 3  | 2  | 10        | 7     | 2  | 2  | 1            | ....     | 4       | 3  | 1  | 3  |
| March .....     | 3        | 0  | 6  | 1  | 1  | 0  | 4  | 10        | 2     | 3  | 11 | 2            | ....     | 1       | 5  | 0  | 0  |
| April .....     | 5        | 7  | 6  | 8  | 4  | 6  | 5  | 20        | 5     | 5  | 11 | 6            | ....     | 4       | 8  | 2  | 6  |
| May .....       | 4        | 2  | 4  | 3  | 1  | 2  | 3  | 11        | 7     | 3  | 5  | 2            | ....     | 4       | 4  | 1  | 2  |
| June .....      | 2        | 3  | 1  | 3  | 1  | 2  | 0  | 8         | 5     | 4  | 0  | 0            | ....     | 3       | 2  | 1  | 2  |
| July .....      | 7        | 2  | 5  | 4  | 4  | 2  | 2  | 12        | 8     | 4  | 5  | 4            | ....     | 5       | 7  | 3  | 2  |
| August .....    | 7        | 1  | 2  | 6  | 4  | 1  | 2  | 14        | 8     | 4  | 4  | 1            | ....     | 8       | 4  | 6  | 1  |
| September ..... | 3        | 4  | 5  | 5  | 1  | 3  | 0  | 14        | 8     | 1  | 3  | 0            | ....     | 3       | 5  | 1  | 3  |
| October .....   | 11       | 1  | 7  | 9  | 5  | 1  | 2  | 15        | 12    | 8  | 9  | 1            | 42       | 12      | 9  | 6  | 1  |
| November .....  | 2        | 3  | 1  | 1  | 0  | 3  | 2  | *0        | 5     | 2  | 4  | 2            | 22       | 1       | 2  | 1  | 3  |
| December .....  | 4        | 1  | 5  | 3  | 1  | 1  | 2  | *0        | 7     | 3  | 4  | 0            | 31       | 5       | 6  | 1  | 1  |
|                 | 57       | 27 | 51 | 47 | 25 | 25 | 25 | 126       | 79    | 42 | 61 | 19           | 95       | 54      | 60 | 25 | 24 |

Estimated Value of Property.

Engine No. 1.

LOCATED ON VINE STREET.

|                                       |                   |
|---------------------------------------|-------------------|
| 1 first-size Amoskeag steamer.....    | \$4,000.00        |
| 1 one-horse wagon .....               | 400.00            |
| 3 horses for steamer.....             | 775.00            |
| 1 gray horse for hose wagon.....      | 200.00            |
| 4 swinging harnesses .....            | 200.00            |
| 1 pair double exercise harnesses..... | 50.00             |
| 1 single exercise harness.....        | 40.00             |
| 2,400 feet of fabric hose.....        | 1,080.00          |
| Stable fixtures, blankets, etc.....   | 80.00             |
| Tools, furniture, and fixtures.....   | 200.00            |
| Firemen's suits and badges.....       | 125.00            |
| <b>Total amount .....</b>             | <b>\$7,150.00</b> |

\* In repair shop.



**Engine No. 2.**

LOCATED ON NORTH MAIN STREET, 'SQUOG.

|  |            |
|--|------------|
| 1 second-size Amoskeag steamer.....                      | \$4,000.00 |
| 1 Combination Chemical and hose wagon.....               | 1,700.00   |
| 1 exercise wagon, poles, shafts, and three-horse hitch.. | 250.00     |
| 3 horses for steamer.....                                | 600.00     |
| 1 pair horses for hose wagon.....                        | 400.00     |
| 3 exercise harnesses, 2 at \$40, 1 at \$20.....          | 100.00     |
| 5 swinging harnesses .....                               | 250.00     |
| 1 double sled .....                                      | 60.00      |
| 3,850 feet of fabric hose.....                           | 1,730.25   |
| Stable fixtures and blankets.....                        | 94.00      |
| Furniture, fixtures, carpets, etc.....                   | 466.00     |
| Firemen's suits and badges.....                          | 125.00     |
|  | <hr/>      |
| Total amount .....                                       | \$9,775.25 |

**Engine and Ladder No. 3.**

LOCATED ON LAKE AVENUE, CORNER MASSABESIC STREET.

|  |             |
|--|-------------|
| 1 first-size Amoskeag steamer.....               | \$4,750.00  |
| 1 two-horse hose wagon.....                      | 400.00      |
| 1 three-horse truck and equipments.....          | 1,900.00    |
| 3 horses for steamer.....                        | 550.00      |
| 1 pair bay horses for hose wagon.....            | 400.00      |
| 3 horses for truck.....                          | 600.00      |
| 4 exercise harnesses .....                       | 180.00      |
| 8 swinging harnesses .....                       | 400.00      |
| 2,800 feet of fabric hose.....                   | 1,260.00    |
| Stable fixtures, blankets, etc.....              | 80.00       |
| Beds, bedding, carpets, hall furniture, etc..... | 575.00      |
| Firemen's suits and badges.....                  | 150.00      |
| 1 exercise wagon .....                           | 250.00      |
|  | <hr/>       |
| Total amount .....                               | \$11,495.00 |

**Engine No. 4.**

LOCATED ON VINE STREET.

|                                    |            |
|------------------------------------|------------|
| 1 first-size Amoskeag steamer..... | \$4,200.00 |
| 1 hose wagon .....                 | 400.00     |

|   |                   |
|---|-------------------|
| 3 horses for steamer.....               | \$600.00          |
| 1 horse for wagon.....                  | 150.00            |
| 4 exercise harnesses.....               | 60.00             |
| 4 swinging harnesses .....              | 200.00            |
| 2,000 feet of fabric hose.....          | 900.00            |
| Hall furniture, beds, bedding, etc..... | 275.00            |
| Stable fixtures and blankets.....       | 75.00             |
| Firemen's suits and badges.....         | 125.00            |
| Total amount .....                      | <u>\$6,985.00</u> |

### Engine and Ladder No. 5.

LOCATED ON WEBSTER STREET, CORNER CHESTNUT.

|  |                   |
|--|-------------------|
| 1 third-size Amoskeag steamer.....       | \$3,600.00        |
| 1 two-horse rubber-tired hose wagon..... | 760.00            |
| 1 steel frame ladder truck.....          | 1,650.00          |
| 1 pair bay horses for steamer.....       | 400.00            |
| 1 pair bay horses for truck.....         | 400.00            |
| 1 pair horses for hose wagon.....        | 525.00            |
| 1 exercise wagon .....                   | 325.00            |
| 1 double sled .....                      | 50.00             |
| 1 single sled .....                      | 25.00             |
| 6 swinging harnesses .....               | 300.00            |
| 2 pairs exercise harnesses.....          | 100.00            |
| 2,800 feet of fabric hose.....           | 1,260.00          |
| Bedding, furniture, tools, etc.....      | 307.00            |
| Stable fixtures, blankets, etc.....      | 120.00            |
| Firemen's suits, badges, etc.....        | 150.00            |
| Total amount .....                       | <u>\$9,972.00</u> |

### Engine and Ladder No. 6.

LOCATED AT CORNER AMORY AND RIMMON STREETS.

|  |            |
|--|------------|
| 1 second-size Amoskeag steamer.....                  | \$3,500.00 |
| 1 hook-and-ladder truck (with Bangor extension)..... | 1,680.00   |
| 1 two-horse rubber-tired hose wagon.....             | 760.00     |
| 1 exercise wagon .....                               | 290.00     |
| 2 gray horses for steamer.....                       | 300.00     |
| 2 bay horses for truck.....                          | 267.00     |
| 2 horses for hose carriage.....                      | 450.00     |

|  |                   |
|--|-------------------|
| 6 swinging harnesses.....                        | \$300.00          |
| 2,000 feet of fabric hose.....                   | 900.00            |
| Hall furniture, carpets, beds, bedding, etc..... | 475.00            |
| Stable fixtures, blankets, etc.....              | 85.00             |
| Firemen's suits and badges.....                  | 150.00            |
| Total amount .....                               | <u>\$9,157.00</u> |

### Engine No. 7.

LOCATED ON SOMERVILLE STREET.

|  |                   |
|--|-------------------|
| 1 second-size Amoskeag steamer.....      | \$3,500.00        |
| 1 two-horse rubber-tired hose wagon..... | 760.00            |
| 1 exercise wagon .....                   | 325.00            |
| 3 horses for steamer.....                | 850.00            |
| 2 horses for hose wagon.....             | 575.00            |
| 5 swinging harnesses .....               | 250.00            |
| 2,000 feet of fabric hose.....           | 900.00            |
| Furniture, fixtures, etc.....            | 575.00            |
| Stable fixtures, blankets, etc.....      | 90.00             |
| Firemen's suits and badges.....          | 125.00            |
| Total amount .....                       | <u>\$7,950.00</u> |

### Hose No. 1.

LOCATED ON VINE STREET.

|  |                   |
|--|-------------------|
| 1 two-horse rubber-tired hose wagon.....     | \$760.00          |
| 2 horses .....                               | 600.00            |
| 2 swinging harnesses .....                   | 100.00            |
| 1 set Hobbs' runners.....                    | 90.00             |
| 1 hose sled .....                            | 20.00             |
| 2,450 feet of fabric hose.....               | 1,102.50          |
| Furniture, fixtures, beds, bedding, etc..... | 300.00            |
| Stable fixtures and blankets.....            | 50.00             |
| Firemen's suits and badges.....              | 100.00            |
| Total amount .....                           | <u>\$3,122.50</u> |

### Hose No. 2.

LOCATED ON MAPLE STREET, CORNER OF EAST HIGH.

|                             |          |
|-----------------------------|----------|
| 1 two-horse hose wagon..... | \$600.00 |
| 2 bay horses .....          | 500.00   |

|  |            |
|--|------------|
| 2 swinging harnesses.....                  | \$100.00   |
| 1 exercise wagon .....                     | 325.00     |
| 1,950 feet of fabric hose.....             | 877.50     |
| Furniture, fixtures, beds and bedding..... | 150.00     |
| Firemen's suits and badges.....            | 100.00     |
|  | <hr/>      |
| Total amount .....                         | \$2,652.50 |

### Hose No. 3.

LOCATED ON SOUTH ELM STREET, BAKERSVILLE.

|  |            |
|--|------------|
| 1 combination hose wagon (with ladders)..... | \$1,000.00 |
| 1 pair gray horses .....                     | 100.00     |
| 1 pair swinging harnesses.....               | 100.00     |
| 1 pair exercise harnesses .....              | 50.00      |
| 1 exercise wagon .....                       | 260.00     |
| 2,000 feet of fabric hose.....               | 900.00     |
| Furniture, fixtures, bedding, etc.....       | 85.00      |
| Stable fixtures, blankets, etc.....          | 65.00      |
| Firemen's suits and badges.....              | 80.00      |
|  | <hr/>      |
| Total amount .....                           | \$2,640.00 |

### Combination Hose and Chemical No. 2.

LOCATED ON WESTON STREET, CORNER OF CONCORD.

|  |            |
|--|------------|
| 1 combination chemical and hose wagon..... | \$1,700.00 |
| 2 bay horses .....                         | 550.00     |
| 2 swinging harnesses .....                 | 100.00     |
| 1 exercise wagon .....                     | 250.00     |
| 1,900 feet of fabric hose.....             | 855.00     |
| Furniture, fixtures, bedding, etc.....     | 482.00     |
| Stable fixtures and blankets.....          | 50.00      |
| Firemen's suits and badges.....            | 80.00      |
|  | <hr/>      |
| Total amount .....                         | \$4,067.00 |

### Hook and Ladder Company No. 1.

LOCATED ON VINE STREET.

|                                     |            |
|-------------------------------------|------------|
| 1 aerial hook-and-ladder truck..... | \$4,200.00 |
| 3 horses .....                      | 600.00     |
| 3 exercise harnesses .....          | 75.00      |

|                                       |            |
|---------------------------------------|------------|
| 3 swinging harnesses .....            | \$150.00   |
| 2 extra Bangor extension ladders..... | 360.00     |
| 3 rubber blanket covers.....          | 72.00      |
| Furniture and fixtures .....          | 200.00     |
| Beds, bedding and furniture .....     | 75.00      |
| Stable fixtures and blankets.....     | 60.00      |
| Firemen's suits and badges.....       | 150.00     |
|                                       | <hr/>      |
| Total amount .....                    | \$5,942.00 |

### Chemical Engine No. 1.

LOCATED ON VINE STREET.

|  |            |
|--|------------|
| 1 double tank (60 gallons each) engine, rubber-tire..... | \$2,500.00 |
| 1 pair bay horses .....                                  | 500.00     |
| 1 pair exercise harnesses .....                          | 50.00      |
| 1 pair swinging harnesses .....                          | 100.00     |
| Furniture and fixtures .....                             | 100.00     |
| Stable fixtures and blankets .....                       | 50.00      |
| Firemen's suits and badges.....                          | 35.00      |
|  | <hr/>      |
| Total amount .....                                       | \$3,335.00 |

### Squad A, Auto-Combination.

LOCATED ON VINE STREET.

|  |            |
|--|------------|
| Automobile combination wagon.....      | \$5,500.00 |
| 600 feet fabric hose.....              | 270.00     |
| Firemen's "fire" suits and badges..... | 80.00      |
| 2 extra rubber tires.....              | 200.00     |
| Beds, bedding and furniture.....       | 250.00     |
|  | <hr/>      |
| Total amount .....                     | \$6,300.00 |

### Supply Wagon.

|                                      |          |
|--------------------------------------|----------|
| 1 supply wagon, with coal boxes..... | \$250.00 |
|--------------------------------------|----------|

### Exercise Wagon.

AT CENTRAL STATION, VINE STREET.

|   |          |
|---|----------|
| 1 four-wheeled exercise wagon with pole, shafts, three-horse hitch, and coal boxes..... | \$250.00 |
|---|----------|

### Spare Hose Carriages and Hose.

|   |          |
|---|----------|
| 2 one-horse hose carriages (spare)..... | \$300.00 |
| 1,200 feet old hose for relining.....   | 240.00   |
| 300 feet new hose.....                  | 216.00   |
|   | <hr/>    |
| Total amount .....                      | \$756.00 |

### E. W. Harrington Steam Fire Engine.

STORED AT SHEDS OF ENGINE NO. 2.

|  |          |
|--|----------|
| Old U tank Amoskeag engine (worth for exchange)..... | \$200.00 |
|--|----------|

### Engineers' Department.

|                                      |          |
|--------------------------------------|----------|
| 1 bay horse .....                    | \$325.00 |
| 1 chief's wagon .....                | 275.00   |
| 1 swinging harness .....             | 37.00    |
| 5 engineers' white rubber coats..... | 37.50    |
| 5 engineers' lanterns .....          | 20.00    |
| Blanket, robe, etc.....              | 25.00    |
| Furniture and fixtures.....          | 150.00   |
|                                      | <hr/>    |
| Total amount .....                   | \$869.50 |

### Riverside Hose Company No. 5.

LOCATED AT CORNER OF OLD FALLS ROAD AND FRONT STREET.

|                                   |          |
|-----------------------------------|----------|
| 1 four-wheeled hose carriage..... | \$150.00 |
| 400 feet of leather hose.....     | 100.00   |
| 800 feet of fabric hose.....      | 240.00   |
| 2 hose-pipes, spanners, etc.....  | 40.00    |
| Furniture and fixtures.....       | 10.00    |
|                                   | <hr/>    |
| Total amount .....                | \$640.00 |

### Hallsville Hose Company No. 6.

LOCATED AT CORNER OF MAMMOTH ROAD AND MASSABESIC STREET.

|                                   |          |
|-----------------------------------|----------|
| 1 four-wheeled hose carriage..... | \$200.00 |
| 500 feet of fabric hose.....      | 150.00   |
| Nozzle, wrenches, etc.....        | 15.00    |
|                                   | <hr/>    |
| Total amount .....                | \$365.00 |



**Goff's Falls Hose Carriage.**

LOCATED AT DEVONSHIRE MILLS.

|                                  |                 |
|----------------------------------|-----------------|
| 1 two-wheeled hose carriage..... | \$150.00        |
| 800 feet fabric hose.....        | 576.00          |
| 2 hosepipes .....                | 10.00           |
| Total amount .....               | <u>\$736.00</u> |

**Sleeping Hall.**

AT CENTRAL STATION, VINE STREET.

|                                   |          |
|-----------------------------------|----------|
| Beds, bedding, wardrobe, etc..... | \$100.00 |
|-----------------------------------|----------|

**Extra Horses.**

|                     |                 |
|---------------------|-----------------|
| 1 black horse ..... | \$300.00        |
| 1 gray horse .....  | 150.00          |
| Total amount .....  | <u>\$450.00</u> |

**Fire Alarm Telegraph.**

|   |                    |
|---|--------------------|
| At cost, including additions.....       | \$23,550.00        |
| Remodeling in 1885.....                 | 6,000.00           |
| "Individual tapper" system .....        | 4,000.00           |
| Boxes and wire added in 1907.....       | 1,000.00           |
| Storage battery .....                   | 1,850.00           |
| Switch protector board .....            | 175.00             |
| Wire brackets and tools.....            | 400.00             |
| Boxes and wire added in 1908-09-11..... | 775.00             |
| Repair wagon .....                      | 150.00             |
| Total amount .....                      | <u>\$38,100.00</u> |

**Recapitulation.**

|                                      |            |
|--------------------------------------|------------|
| Engine Company No. 1.....            | \$7,150.00 |
| Engine Company No. 2.....            | 9,775.25   |
| Engine and Ladder Company No. 3..... | 11,495.00  |
| Engine Company No. 4.....            | 6,985.00   |
| Engine and Ladder Company No. 5..... | 9,972.00   |
| Engine and Ladder Company No. 6..... | 9,157.00   |
| Engine Company No. 7.....            | 7,950.00   |
| Hose Company No. 1.....              | 3,122.50   |

|   |              |
|---|--------------|
| Hose Company No. 2.....                     | \$2,652.50   |
| Hose Company No. 3.....                     | 2,640.00     |
| Combination Hose and Chemical No. 2.....    | 4,067.00     |
| Hook and Ladder (Aërial) Company No. 1..... | 5,942.00     |
| Chemical Engine Company No. 1.....          | 3,335.00     |
| Automobile-Combination, "Squad A".....      | 6,300.00     |
| Supply Wagon .....                          | 250.00       |
| Exercise Wagon (Central Station).....       | 250.00       |
| Spare Hose Carriages and Hose.....          | 756.00       |
| Old "E. W. Harrington" Steamer.....         | 200.00       |
| Engineer's Department .....                 | 869.50       |
| Riverside Hose Company .....                | 640.00       |
| Hallsville Hose Company .....               | 365.00       |
| Goffe's Falls Hose Company.....             | 736.00       |
| Sleeping Hall (Central Station).....        | 100.00       |
| Extra Horses .....                          | 450.00       |
| Fire-alarm Telegraph .....                  | 38,100.00    |
|   | \$133,259.75 |

## BOARD OF ENGINEERS.

| Badge No. | NAME.                 | Rank.        | Occupation.         | Residence.        |
|-----------|-----------------------|--------------|---------------------|-------------------|
| 1         | Thomas W. Lane.....   | Chief.....   | Chief engineer..... | 1937 Elm.         |
| 3         | Arthur Provost.....   | Assistant .. | Wool-sorter.....    | 526 Notre Dame av |
| 4         | Thomas F. Fitzsimmons | " .....      | Painter .....       | 258 Notre Dame av |
| 5         | Edwin W. Merrill..... | " .....      | Merchant.....       | 166 Blodget.      |
| 2         | Geo. H. Hammond ..... | " .....      | Contractor.....     | 278 Merrimack.    |

## SUPERINTENDENT OF FIRE ALARM.

Charles H. French.

Residence, 475 Hanover Street.

## ENGINE COMPANY No. 1.

*House, 28 Vine Street.*

| Badge No. | NAME.                  | Rank.            | Occupation.      | Residence.     |
|-----------|------------------------|------------------|------------------|----------------|
| 18        | George A. Cann.....    | Captain.....     | Permanent Capt.. | 19 Pleasant.   |
| 15        | George F. Millar.....  | Lieutenant.....  | Gasfitter.....   | 15 Blodget.    |
| 19        | Nat A. Sargent.....    | Clerk.....       | Merchant.....    | 435 Amherst.   |
| 6         | Charles F. Hall.....   | Engineer.....    | Engineer.....    | 146 Orange.    |
| 7         | George L. Booth.....   | Asst. engineer.. | Machinist.....   | 21 Water.      |
| 11        | Frank E. Nute.....     | Driver engine..  | Teamster.....    | 425 Merrimack. |
| 12        | Clarence E. Kemp.....  | Driver hose..... | ".....           | 645 Union.     |
| 17        | Melvin Walker.....     | Hoseman.....     | Carpenter.....   | 6 Canal.       |
| 10        | Stanley H. Patten..... | ".....           | Tinsmith.....    | 1275 Elm.      |
| 13        | George E. Boulton..... | ".....           | Gardener.....    | 753 Union.     |
| 16        | Harry E. Belknap.....  | ".....           | Carpenter.....   | 530 Wilson.    |

## ENGINE COMPANY No. 2.

*House on North Main Street, 'Squog.*

| Badge No. | NAME.                   | Rank.            | Occupation.      | Residence.    |
|-----------|-------------------------|------------------|------------------|---------------|
| 76        | Jeremiah Lane.....      | Captain.....     | Permanent Capt.. | 210 No. Main. |
| 77        | William Arnold.....     | Lieutenant.....  | Barber.....      | 17 So. Main.  |
| 67        | Archibald A. Gorham..   | Clerk.....       | Machinist.....   | 50 Barr.      |
| 120       | Charles Edgar.....      | Engineer.....    | Permanent.....   | 40 Market.    |
| 119       | Stephen Thomes.....     | Asst. engineer.. | Carpenter.....   | 55 Douglas.   |
| 72        | Thomas F. Collins.....  | Driver of engine | Teamster.....    | 28 Second.    |
| 69        | Clarence A. Whitcomb.   | Driv. combin't'n | ".....           | 66 No. Main.  |
| 68        | James E. Perrigo.....   | Hoseman.....     | Foreman.....     | 66 School.    |
| 71        | John W. Gott.....       | ".....           | Wool-sorter..... | 53 Douglas.   |
| 75        | Ernest R. Whitcomb....  | ".....           | Wool-sorter..... | 66 No. Main.  |
| 74        | Oscar G. Lagerquist.... | ".....           | Clerk.....       | 72 Second.    |

## ENGINE AND LADDER COMPANY No. 3.

*House on Lake Avenue, corner of Massabesic.*

| Badge No. | NAME.                    | Rank.              | Occupation.         | Residence.      |
|-----------|--------------------------|--------------------|---------------------|-----------------|
| 86        | Frank F. Porter.....     | Captain.....       | Permanent Capt ..   | 330 E. Spruce.  |
| 97        | Edwin C. Paul . . . . .  | Lieut. of truck... | Collector . . . . . | 452 Lake ave.   |
| 150       | William T. Winslow ...   | “ engine...        | Shoe-cutter.....    | 422 Lake ave.   |
| 88        | George Taylor.....       | Clerk .....        | Mechanic.....       | 456 Lake ave.   |
| 122       | John P. Walker.....      | Engineer .....     | Machinist .....     | 403 Hall.       |
| 80        | Clarence Hackett.....    | Asst. engineer...  | Laundryman.....     | 410 Belmont.    |
| 105       | Herbert E. Dunbar.....   | Driver of engine.  | Teamster.....       | 366 Lake ave.   |
| 81        | John T. Duncan.....      | Driver of hose...  | “ .....             | 384 Spruce.     |
| 82        | Lyman W. Piper.....      | Driver of truck..  | “ .....             | 398 Merrimack.  |
| 89        | Parker R. Brown.....     | Fireman... ..      | Grain-dealer.....   | 422 Merrimack.  |
| 85        | Fred H. Cate .....       | “ .....            | Teamster.....       | 601 Cedar.      |
| 121       | Arthur S. Brown.....     | “ .....            | Grain dealer.....   | 308 Lake ave.   |
| 148       | Alfred F. Eaton.....     | “ .....            | Reporter .....      | 260 Laurel.     |
| 84        | George L. Slack .....    | “ .....            | Salesman .....      | 141 Massabesic. |
| 98        | William B. Blake.....    | “ .....            | Health officer..... | 265 Cypress.    |
| 87        | Christopher J. Cruise... | “ .....            | Merchant.....       | 429 Central.    |
| 79        | Harry J. Smith .....     | “ .....            | Clerk. ....         | 447 Spruce.     |
| 78        | Leslie W. Dolloff.....   | “ .....            | Bookkeeper.....     | 429 Central.    |
| 43        | Frank C. Curtis ... ..   | “ .....            | Laundryman.....     | 461 Lake ave.   |
| 114       | Charles H. Day .....     | “ .....            | Grocer....          | 522 Central.    |

## ENGINE COMPANY No. 4.

*House, No. 20 Vine Street.*

| Badge No. | NAME.                  | Rank.             | Occupation.       | Residence.  |
|-----------|------------------------|-------------------|-------------------|-------------|
| 28        | Frank A. Pherson ..... | Captain .. .....  | Permanent Capt..  | 20 Vine.    |
| 33        | Thomas W. Lane, Jr ... | Lieutenant.....   | Electrician ..... | 20 Malvern. |
| 23        | George Thompson.....   | Clerk .....       | Clerk .....       | 85 Salmon.  |
| 21        | Walter Morse .....     | Engineer .....    | Machinist .....   | 20 Vine.    |
| 27        | Edward Sargent.....    | Asst. Engineer .  | " .....           | 73 Amherst. |
| 31        | Emil H. Smith .....    | Driver of engine  | Teamster .. ..... | 20 Vine.    |
| 37        | Henry C. Parsons ..... | Driver of hose... | " .....           | 20 Vine.    |
| 22        | Walter A. Clarkson.... | Hoseman .....     | Carpenter .....   | 301 Walnut. |
| 26        | Louis E. Way.....      | " .....           | Machinist .....   | 20 Vine.    |
| 24        | Adams L. Greer .....   | " .....           | Piano Dealer..... | 76 Lowell.  |
| 20        | Harry L. Hawley .....  | " .....           | Painter .....     | 599 Union.  |

## ENGINE AND LADDER COMPANY No. 5.

*House, No. 44 Webster Street.*

| Badge No. | NAME.                        | Rank.                  | Occupation.           | Residence.   |
|-----------|------------------------------|------------------------|-----------------------|--------------|
| 161       | Irving S. Bryant . . . . .   | Captain.....           | Permanent Captain     | 884 Union.   |
| 46        | Woodbury Davison.....        | Lieut. truck . . . . . | Carpenter . . . . .   | 34 Prospect. |
| 49        | Charles W. Brown . . . . .   | Lieut. engine.....     | Clerk . . . . .       | 95 Harrison. |
| 108       | Edwin L. Towle.....          | Clerk . . . . .        | Salesman.....         | 71 N. Adams. |
| 102       | Joseph H. Gould.....         | Engineer . . . . .     | Permanent.....        | 762 Beech.   |
| 30        | James C. Newton.....         | Asst. engineer....     | Machinist . . . . .   | 93 Blodget.  |
| 134       | Alphonso E. Foster.....      | Driver engine....      | Teamster.....         | 459 Hevey.   |
| 124       | Benjamin C. Cann . . . . .   | Driver truck.....      | “ . . . . .           | 19 Pleasant. |
| 57        | Ellsworth V. Rowe.....       | Driver hose.....       | “ . . . . .           | 313 Walnut.  |
| 158       | Andrew S. Fantom.....        | Hoseman.....           | Cigar-maker.....      | 167 Brook.   |
| 101       | Charles W. Warner.....       | “ . . . . .            | Electrician . . . . . | 75 Sagamore. |
| 126       | Edwin M. Dorney . . . . .    | “ . . . . .            | Tinsmith . . . . .    | 254 Walnut.  |
| 41        | Max Hawkins.....             | “ . . . . .            | Grocer . . . . .      | 417 Walnut.  |
| 159       | Charles E. Longa.....        | “ . . . . .            | Electrician.....      | 10 N. Adams. |
| 160       | Maurice Hoffman.....         | “ . . . . .            | Tailor.....           | 321 Walnut.  |
| 42        | Arthur S. Hamilton.....      | “ . . . . .            | Painter.....          | 60 Appleton. |
| 95        | William W. Cupples . . . . . | “ . . . . .            | Clerk.....            | 54 Appleton. |
| 47        | Wilbur M. Gilman . . . . .   | “ . . . . .            | Piper.....            | 30 Brook.    |
| 123       | George W. Upton.....         | “ . . . . .            | Electrician . . . . . | 297 Walnut.  |
| 162       | George A. Whitten . . . . .  | “ . . . . .            | Clerk. . . . .        | 54 Appleton. |



ENGINE AND LADDER COMPANY No. 6.

*House on Amory and Rimmon Streets.*

| Badge No. | NAME.                    | Rank.              | Occupation.       | Residence.                     |
|-----------|--------------------------|--------------------|-------------------|--------------------------------|
| 141       | Mederique R. Maynard.    | Captain.....       | Permanent Capt .. | 302 Cartier.                   |
| 147       | James A. Farley.....     | Lieut. engine ...  | Machinist .....   | 385 Dubuque.                   |
| 146       | Toussaint Tremblay ....  | Lieut. truck ..... | Carpenter.....    | 143 Wayne.                     |
| 145       | John E. Herring .....    | Clerk .....        | Loom-fixer .....  | 589 Main.                      |
| 132       | Toby Lemay .....         | Engineer.....      | Machinist .....   | 464 Cartier.                   |
| 131       | Arthur J. Provost.....   | Asst. Engineer ..  | Wool-sorter.....  | 516 Notre Dame <sup>ave.</sup> |
| 134       | Albert M. Tuson.....     | Driver of engine   | Teamster .....    | Engine-house.                  |
| 140       | John H. Cote.....        | Driver hose.....   | " .....           | "                              |
| 142       | Frank St. John.....      | Driver truck ....  | " .....           | "                              |
| 128       | John H. McCabe.....      | Hoseman .....      | Plumber. ....     | 310 No. Main.                  |
| 130       | Calvin Brinn.....        | " .....            | Loom-fixer .....  | 356 Rimmon.                    |
| 136       | Roumelt Cote .....       | " .....            | Plumber .....     | 291 Dubuque.                   |
| 139       | Henry Klaubert.....      | " .....            | Second-hand ..... | 25 Schuyler.                   |
| 143       | William Broderick.....   | " .....            | Loom-fixer .....  | 513 Rimmon.                    |
| 144       | John Montplaisir.....    | " .....            | Clerk .....       | 434 Dubuque.                   |
| 137       | John J. Lyons.....       | " .....            | Loom-fixer .....  | 17 Columbus.                   |
| 135       | Patrick J. O'Connell.... | " .....            | Painter .....     | 334 No. Main.                  |
| 129       | Philip Cote .....        | " .....            | Baker.....        | 335 Cartier.                   |
| 133       | Francois X. Gagne .....  | " .....            | Carpenter .....   | 291 Bartlett.                  |
| 138       | John A. Gemmel .....     | " .....            | Clerk .....       | 27 Adams.                      |

## ENGINE COMPANY No. 7.

*House, Somerville Street.*

| Badge No. | NAME.                         | Rank.                   | Occupation.             | Residence.        |
|-----------|-------------------------------|-------------------------|-------------------------|-------------------|
| 170       | James J. Collins . . . . .    | Captain . . . . .       | Permanent Capt. . . . . | 767 Somerville.   |
| 171       | William L. Comire . . . . .   | Lieutenant . . . . .    | Harnessmaker . . . . .  | 22 Lingard.       |
| 172       | John W. Chapman . . . . .     | Clerk . . . . .         | Plumber . . . . .       | 890 Clay.         |
| 173       | Fred S. Morrill . . . . .     | Engineer . . . . .      | Permanent . . . . .     | 136 Hall          |
| 174       | Louis Ross . . . . .          | Asst. Engineer. . . . . | Loomfixer . . . . .     | 746 Hayward.      |
| 175       | Arthur Hebert . . . . .       | Driver engine . . . . . | Permanent . . . . .     | 645 Somerville.   |
| 176       | George N. Rogers. . . . .     | Driver hose . . . . .   | " . . . . .             | 173 Taylor.       |
| 177       | Charles J. Beliveau . . . . . | Hoseman . . . . .       | Shoemaker . . . . .     | 931 Hayward.      |
| 178       | Henry W. Barnard. . . . .     | " . . . . .             | Carpenter. . . . .      | 213 Jewett.       |
| 179       | Albert L. Worthen. . . . .    | " . . . . .             | Plumber . . . . .       | 1005 Cilley road. |
| 180       | James J. Long . . . . .       | " . . . . .             | Dresser . . . . .       | 247 Grove.        |

## CHEMICAL ENGINE COMPANY No. 1.

*House, 8 Vine Street.*

| Badge No. | NAME.                        | Rank.            | Occupation.            | Residence.   |
|-----------|------------------------------|------------------|------------------------|--------------|
| 115       | Hervey E. Harris. . . . .    | Captain. . . . . | Permanent Captain      | 316 Amherst. |
| 116       | Clarence D. Palmer. . . . .  | Clerk. . . . .   | Marble dealer. . . . . | 537 Union.   |
| 185       | Robert H. Duncan . . . . .   | Driver. . . . .  | Permanent. . . . .     | 152 Pearl.   |
| 117       | Carroll A. Currier . . . . . | Fireman. . . . . | Meter-man . . . . .    | 390 Hanover. |

## HOSE COMPANY No. 1.

*House, No. 26 Vine Street.*

| Badge No. | NAME.                   | Rank.           | Occupation.        | Residence.  |
|-----------|-------------------------|-----------------|--------------------|-------------|
| 64        | Melvin W. Worthen ..... | Captain.....    | Permanent Capt...  | 69 Ash.     |
| 36        | Alfred Firth.....       | Lieutenant..... | Engineer .....     | 4 Derry.    |
| 53        | Leon H. French.....     | Clerk .....     | Electrician.....   | 39 Water.   |
| 29        | Charles H. Rogers.....  | Driver.....     | Teamster .....     | 26 Vine.    |
| 48        | Albert A. Puffer .....  | Hoseman.....    | " .....            | 499 Beech.  |
| 34        | Harry Barrett.....      | " .....         | Machinist.....     | 26 Vine.    |
| 50        | Charles H. Skinner..... | " .....         | Car Inspector..... | 84 Ashland. |
| 52        | George O. Harvey.....   | " .....         | Carpenter.....     | 2 Canal.    |

## HOSE COMPANY No. 2.

*House on Maple Street, corner East High.*

| Badge No. | NAME.                   | Rank.            | Occupation.        | Residence.    |
|-----------|-------------------------|------------------|--------------------|---------------|
| 64        | Roscoe Dyer.. .....     | Captain.....     | Permanent Capt...  | 525 Maple.    |
| 55        | Revilo G. Houghton..... | Lieutenant ..... | Gas-fitter.....    | 337 Lowell.   |
| 54        | Thomas P. Burnap .....  | Clerk .....      | " .....            | 80 Arlington. |
| 57        | Benjamin R. Richardson  | Driver.....      | Teamster .....     | 525 Maple.    |
| 58        | Thomas Smith.....       | Hoseman.....     | Carpenter....      | 24 South.     |
| 56        | Fred W. Corey.....      | " .....          | Needle-maker ..... | 497 Maple.    |
| 65        | Walter Seaward.....     | " .....          | Carpenter.....     | 54 Arlington. |
| 59        | Frank G. Miller .....   | " .....          | Gas-fitter.....    | 246 E. High.  |

## HOSE COMPANY No. 3.

*House, South Elm Street.*

| Badge No. | NAME.                    | Rank.           | Occupation.       | Residence.      |
|-----------|--------------------------|-----------------|-------------------|-----------------|
| 51        | Clarence R. Merrill..... | Captain....     | Permanent Capt..  | 414 Merrimack   |
| 157       | Clarence D. Hardy... ..  | Lieutenant..... | Trainman .....    | 34 Elm ave.     |
| 156       | Ernest E. Austin ... ..  | Clerk .....     | Electrician ..... | 43 Welch ave.   |
| 152       | Frank W. Tebbetts .....  | Driver .....    | Permanent .....   | 7 Elm.          |
| 154       | William P. Hall.....     | Hoseman .....   | Sash-maker .....  | 39 Elm.         |
| 153       | James H. McKenzie.....   | " .....         | " .....           | 72 So. Elm.     |
| 151       | Forrest M. Laraba.....   | " .....         | Laundryman .....  | 102 Baker.      |
| 155       | William E. Geer.....     | " .....         | " .....           | 20 Cheney pl.   |
| 163       | Celon D. Stevens *.....  | Driver .....    | Teamster .....    | 164 Calef road. |

## HOOK AND LADDER COMPANY No. 1.

*House, 18 Vine Street.*

| Badge No. | NAME.                    | Rank.           | Occupation.        | Residence.      |
|-----------|--------------------------|-----------------|--------------------|-----------------|
| 110       | Albert W. Smith .....    | Captain. ....   | Permanent Captain  | 42 Elm.         |
| 92        | Oscar P. Stone.....      | Lieutenant..... | Clerk .....        | 312 Manchester. |
| 112       | Frank M. Frisselle ..... | Clerk .....     | Editor .....       | 713 Chestnut.   |
| 94        | Asa W. Gage .....        | Driver .....    | Teamster.....      | 18 Vine.        |
| 163       | Lorenzo D. H. Ford.. .   | Tillerman ..... | " .....            | 18 Vine.        |
| 100       | William P. Jones .....   | Fireman.....    | Steam-fitter.....  | 415 Lake av.    |
| 113       | Lewis Swanson .....      | " .....         | Carpenter.....     | 42 Water.       |
| 106       | Ernest E. Johnson .....  | " .....         | Gas employee ..... | 283 Myrtle.     |
| 109       | Frederick Marsh.....     | " .....         | Carpenter. ....    | 7 Water.        |
| 91        | Alfred C. Lamper.....    | " .....         | Gas employee ..... | 53 Jane.        |
| 107       | Charles H. Berhart.....  | " .....         | Steam-fitter ..... | 18 Vine.        |
| 93        | Joseph Stewart.....      | " .....         | Carpenter .....    | 160 Concord.    |

\* Detailed as spare driver.

COMBINATION COMPANY No. 2.

*Wilson Hill, corner Weston and Concord Streets.*

| Badge No. | NAME.                   | Rank.           | Occupation.         | Residence.                      |
|-----------|-------------------------|-----------------|---------------------|---------------------------------|
| 164       | Alfred Gustafson .....  | Captain.....    | Permanent Capt..    | Concord and <sup>[Weston.</sup> |
| 166       | Joseph W. Lindsay.....  | Lieutenant..... | Tinsmith.....       | 333 Pearl.                      |
| 127       | Michael J. Bradley..... | Clerk .....     | Gasfitter.....      | 125 Ashland.                    |
| 167       | Henry C. Crosby.....    | Driver.....     | Teamster.....       | 465 E. High.                    |
| 168       | Angus McDonald.....     | Hoseman.....    | Blacksmith.....     | 427 Laurel.                     |
| 40        | William Anderson.....   | ".....          | Mill operative..... | 465 E. High.                    |
| 169       | Gardner E. Marston..... | ".....          | Plumber.....        | 3 Morrison.                     |
| 165       | Thomas A. Reed.....     | ".....          | Painter.....        | 699 Beacon.                     |
| 44        | Albert W. Tucker*.....  | ".....          | Teamster.....       | 18 Brown ave.                   |

SQUAD A.—AUTOMOBILE COMBINATION.

*House, 16 Vine Street.*

| Badge No. | NAME.                 | Rank.                | Occupation.      | Residence.     |
|-----------|-----------------------|----------------------|------------------|----------------|
| 14        | Frank H. Harvey.....  | Captain.....         | Permanent Capt.. | 359 Concord.   |
| 96        | Edwin E. Quimby.....  | Lieutenant.....      | ".....           | 286 Laurel.    |
| 187       | John J. Healy.....    | Clerk.....           | ".....           | 336 Lake ave.  |
| 184       | Paul A. Claus.....    | Chauffeur.....       | ".....           | New Mast Road. |
| 99        | Will G. Fraser.....   | Asst. Chauffeur..... | ".....           | 490 Pine       |
| 188       | Martin F. Kenney..... | Hoseman.....         | ".....           | 632 Main.      |
| 35        | Louis Loiselle.....   | ".....               | ".....           | 418 Merrimack. |
| 90        | Harry G. Hall.....    | ".....               | ".....           | 852 Elm.       |

\*Detailed as driver of supply wagon.





REPORT  
OF THE  
ENGINEER'S DEPARTMENT.



# REPORT OF THE ENGINEER'S DEPARTMENT.

MANCHESTER, N. H., December 31, 1910.

*To the Honorable Mayor and City Councils:*

GENTLEMEN:—The thirty-second annual report of the engineer's department is herewith submitted, showing the expenditures and operations for the year ending December 31, 1910.

## ORGANIZATION.

SAMUEL J. LORD, *Chief Engineer of the City.*

GEORGE W. WALES, *First Assistant Engineer.*

HARRIE M. YOUNG, *Chief Clerk.*

Assistants: Alfred T. Dodge, instrument man; Henry A. Worthen, instrument man; Harold M. Haskell, draughtsman (from April 29); Lawrence A. O'Connor, rodman; John J. McAllister, Jr., assistant clerk (stenographer and typewriter); Glen B. Eastman, rodman; Frank L. McAllister, assistant clerk; Harry B. Dorr, instrument man (May 2 to September 20); Edson W. Keith, instrument man (May 5 to September 20); Charles E. Hammond, draughtsman (August 25 to November 26); Harry T. George, rodman (October 13 to November 26); Horace Wyman, rodman (June 21 to September 10); Mark Farmer, rodman (October 29 to November 22); Harold L. Davis, rodman (June 27 to August 27); Royden E. Reed, rodman (August 24 to September 3); Omer G. Coffin, assistant clerk (September 22 to November 26); Harry Stevens, assistant clerk (September 26 to November 26); Harrie H. Clement, assistant clerk (from December 12).

## FINANCIAL.

### HEATH'S SHOE STORE.

1909.  
July 23. To 1 pair of rubber boots..... \$4.50

### JOHN WILEY & SONS..

1910.  
Jan. 1. To Searles, field engineering..... \$2.50

### IDEAL STAMP CO.

1910.  
Jan. 8. To 1 No. 3 printing outfit..... \$5.00

## A. L. BERGER &amp; SONS, BOSTON, MASS.

1910.

|          |   |         |         |
|----------|---|---------|---------|
| Jan. 12. | To repairing, cleaning and adjusting one Berger Engineer's leveling instrument, 18½ hours labor and C. O. D.....    | \$11.10 |         |
|          | express charges paid when returned .....  | .40     |         |
|          |   | <hr/>   | \$11.50 |
| Feb. 23. | To repairing, cleaning and adjusting one Berger, No. 865, Engineer's transit instrument as per memorandum enclosed: |         |         |
|          | 13½ hours labor @ 60c per hour .....  | \$8.10  |         |
|          | express charges paid when returned .....  | .45     |         |
|          | express charges paid when transit and level were received .....   | .90     |         |
|          |   | <hr/>   | \$9.45  |

## LOUIS D. RICHARDSON, PROVIDENCE, R. I.

1910.

|          |                           |        |
|----------|---------------------------|--------|
| Jan. 22. | To 1 metal tape grip..... | \$0.85 |
|----------|---------------------------|--------|

## NEW ENGLAND TELEPHONE &amp; TELEGRAPH COMPANY.

1910.

|          |  |        |        |
|----------|--|--------|--------|
| Jan. 22. | To exchange service, including rental of telephone for 1 month ending December 31, 1909 .....  | \$2.08 |        |
| Feb. 26. | To exchange service, including rental of telephone for one month ending January 31, 1910 ..... | \$2.08 |        |
| Mar. 26. | To exchange service, including rental of telephone for 1 month ending February 28, 1910 .....  | \$2.09 |        |
| Apr. 23. | To exchange service, including rental of telephone for 1 month ending March 31, 1910 .....     | \$2.09 |        |
| May 1.   | To exchange service, including rental of telephone for 1 month ending April 30, 1910.....      | \$2.09 |        |
|          | tolls charged at engineer's office (April 17, Concord 68)                                      | .15    |        |
|          |  | <hr/>  | \$2.24 |

ENGINEER'S DEPARTMENT.

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|           |  |        |
|-----------|--|--------|
| June 25.  | To exchange service, including rental of telephone for 1 month ending May 31, 1910             | \$2.08 |
| July 23.  | To exchange service, including rental of telephone for 1 month ending June 30, 1910            | \$2.08 |
| Aug. 24.  | To exchange service, including rental of telephone for 1 month ending July 31, 1910.....       | \$2.08 |
|           | tolls charged at engineer's office (1066):   |        |
|           | June 29, B. & A.....   | \$0.45 |
|           | July 20, Suncook (24-2) .....  | .10    |
|           |  | <hr/>  |
|           |  | .55    |
|           | balance of bills previously rendered .....   | .15    |
|           |  | <hr/>  |
|           |  | \$2.78 |
| Sept. 24. | To exchange service, including rental of telephone for 1 month ending August 31, 1910 .....    | \$2.08 |
| Oct. 22.  | To exchange service, including rental of telephone for 1 month ending September 30, 1910 ..... | \$2.08 |
| Nov. 26.  | To exchange service, including rental of telephone for 1 month ending October 31, 1910 .....   | \$2.08 |
| Dec. 24.  | To exchange service, including rental of telephone for 1 month ending November 30, 1910...     | \$2.08 |
|           | To toll call (Winchester 235-1)....  | .40    |
|           | To toll call (Concord 170).....  | .05    |
|           | To toll call (Boston, 6476 Main)...  | .25    |
|           |  | <hr/>  |
|           |  | \$2.78 |

REMINGTON TYPEWRITER CO., BOSTON, MASS.

1910.

|          |                                   |         |
|----------|-----------------------------------|---------|
| Jan. 20. | To repairing machine 8-34696..... | \$16.74 |
|----------|-----------------------------------|---------|

TEMPLE & FARRINGTON CO.

1910.

|          |   |        |
|----------|---|--------|
| Jan. 25. | To binding time book for 1909.....                | \$0.85 |
| Mar. 28. | To binding 1 vol. Committee on Sewers, 1909 ..... | \$0.85 |
|          | binding 1 vol. Committee on Streets, 1909 .....   | .85    |
|          |   | <hr/>  |
|          |   | 1.70   |

## W. &amp; L. E. GURLEY, NEW YORK.

1910.

|          |  |         |                |
|----------|--|---------|----------------|
| Jan. 21. | To repairing and adjusting 20" Y level, No. 2541, repairing spindle and socket, repairing leveling screws, repairing telescope slides, new pinion part for object slide..... | \$12.00 |                |
|          | express to and from Troy, N. Y. ....   | 1.65    |                |
|          |  |         | <u>\$13.65</u> |

## MELVIN &amp; FITTS.

1910.

|          |  |        |                |
|----------|--|--------|----------------|
| Feb. 9.  | To 100 No. 406 cap size pasteboard guides with metal label holders printed ..... | \$7.85 |                |
|          | 200 No. 406 cap size pasteboard guides with metal label holders printed .....    | 15.70  |                |
|          |  |        | <u>\$23.55</u> |
| Apr. 5.  | To 3 sets 8x5 25 Div. indexes.....   |        | \$1.20         |
| May 24.  | To paper fasteners.....  | \$1.00 |                |
|          | 100 8x5 guides .....   | 1.36   |                |
| June 13. | To 2 boxes ring clips.....   | .20    |                |
|          |  |        | <u>\$2.56</u>  |

## TECHNICAL SUPPLY CO., NEW YORK.

1910.

|          |                             |  |        |
|----------|-----------------------------|--|--------|
| Feb. 10. | To 1 No. 4507 Odometer..... |  | \$4.50 |
|----------|-----------------------------|--|--------|

## FRANK L. GEIGER.

1910.

|         |  |  |        |
|---------|--|--|--------|
| Mar. 9. | To one belt punch for paper plans..... |  | \$2.50 |
|---------|--|--|--------|

## CHAS. A. HOITT CO.

1910.

|         |                             |        |               |
|---------|-----------------------------|--------|---------------|
| Mar 18. | To repairing one shade..... | \$0.25 |               |
|         | 1 bracket .....             | .15    |               |
|         |                             |        | <u>\$0.40</u> |

## E. G. SOLTMANN, NEW YORK CITY.

1910.

|         |   |        |  |
|---------|---|--------|--|
| Apr. 2. | To 1 50-ft. Little Phenix tape....          | \$2.95 |  |
|         | 2 100-ft. Chesterman steel tapes            | 17.50  |  |
|         | 2 doz. Emerald rubbers @ 50c                | 1.00   |  |
|         | 1½ doz. bottles Higgins' ink @ \$2.25 ..... | 3.38   |  |



ENGINEER'S DEPARTMENT.

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|           |   |               |         |
|-----------|---|---------------|---------|
| Apr. 2.   | To 1,000 rivets .....   | \$1.25        |         |
|           | 4 lbs. stake tacks.....   | 1.50          |         |
|           | 1 roll blueprint paper.....   | 2.00          |         |
|           | ½ doz. Cornet erasers.....  | .50           |         |
|           | ½ doz. sandpaper pads.....  | .60           |         |
|           | expressage .....  | .70           |         |
|           |   |               | <hr/>   |
|           |   | \$30.88       |         |
|           | By credit on December, 1909, bill..   | .60           |         |
|           |   |               | <hr/>   |
|           |   |               | \$30.28 |
| July 16.  | To 200 sheets Crane's bond paper,<br>24" x 38" .....                          | \$11.00       |         |
|           | 50 yards cross-section paper,<br>389 A. A. A.....                             | 7.85          |         |
|           | expressage .....  | .80           |         |
|           |   |               | <hr/>   |
|           |   |               | \$19.65 |
| July 19.  | To 2 50-yard rolls 36" Congress<br>blueprint paper @ \$3.95 per<br>roll ..... | \$7.90        |         |
|           | express prepaid .....   | .70           |         |
|           |   |               | <hr/>   |
|           |   |               | \$3.60  |
| Sept. 26. | To 6 doz. 4 H Kohinoor pencils...<br>expressage .....                         | \$4.75<br>.24 |         |
| Oct. 1.   | To 1 doz. bottles ink.....  | 2.25          |         |
|           | 1 roll 37" Par Ex. tracing<br>cloth .....                                     | 6.98          |         |
|           | 2 rolls 36" blueprint paper @<br>\$3.95 .....                                 | 7.90          |         |
|           | 1 100-ft. Chesterman tape.....  | 8.50          |         |
|           | expressage .....  | .80           |         |
|           |   |               | <hr/>   |
|           |   |               | \$31.42 |

FARRELL BROS.

1910.

|          |  |        |        |
|----------|--|--------|--------|
| Apr. 12. | To 12 feet No. 18 special cord @<br>4c. .... | \$0.48 |        |
|          | labor .....                                  | .45    |        |
|          |  |        | <hr/>  |
|          |  |        | \$0.93 |
| June 6.  | To labor repairing cords.....                | \$0.50 |        |
| Apr. 12. | To 12 feet special cord.....                 | .48    |        |
|          | labor making special cord....                | .45    |        |
| Apr. 19. | To 2 blocks .....                            | .50    |        |
|          | 1 swing bracket .....                        | 1.85   |        |
|          | 1 Franklin shade .....                       | .25    |        |
|          | 1 16 c. p. lamp.....                         | .16    |        |
|          | 4½ feet moulding .....                       | .23    |        |
|          | 18 feet No. 14 R. C. wire.....               | .18    |        |

|          |                                |        |        |
|----------|--------------------------------|--------|--------|
| Apr. 19. | To 5 f. 1/4" loom.....         | \$0.25 |        |
|          | 5 hours @ 45c.....             | 2.25   |        |
|          | labor .....                    | 2.25   |        |
|          |                                |        | <hr/>  |
|          |                                |        | \$9.15 |
| Aug. 22. | To 1 10 amp. G. P. switch..... | \$0.35 |        |
|          | 1 hour labor.....              | .50    |        |
|          |                                |        | <hr/>  |
|          |                                |        | \$0.85 |

CARLTON SUPPLY CO., BROOKLYN, N. Y.

1910.

|          |   |  |        |
|----------|---|--|--------|
| Apr. 14. | To 1 10-yard roll Carlton direct black process paper, 36" wide..... |  | \$2.45 |
|----------|---|--|--------|

E. M. BRYANT & CO.

1910.

|          |                          |  |        |
|----------|--------------------------|--|--------|
| Apr. 16. | To 2 dry batteries ..... |  | \$0.50 |
|----------|--------------------------|--|--------|

J. ARTHUR WILLIAMS.

1910.

|          |                                   |        |        |
|----------|-----------------------------------|--------|--------|
| May 25.  | To 1,000 sewer connection orders, | \$5.25 |        |
|          | 500 blank cards 3"x5".....        | .50    |        |
|          |                                   |        | <hr/>  |
|          |                                   |        | \$5.75 |
| July 12. | To 500 printed cards .....        |        | \$2.00 |

JOSEPH VOGEL & CO.

1910.

|         |                               |         |         |
|---------|-------------------------------|---------|---------|
| June 1. | To painting engineer's wagon, |         |         |
|         | No. 1 .....                   | \$35.00 |         |
|         | one rubber mat .....          | 2.50    |         |
|         | trimming one shaft.....       | 1.00    |         |
|         | repairing cushions .....      | 1.50    |         |
|         |                               |         | <hr/>   |
|         |                               |         | \$40.00 |

PIKE & HEALD CO.

1910.

|          |                              |  |        |
|----------|------------------------------|--|--------|
| June 13. | To 2 tin plan cases .....    |  | \$2.00 |
| July 14. | To repairing rain gauge..... |  | \$0.15 |

CHAS. F. MCCARTY.

1910.

|          |   |        |         |
|----------|---|--------|---------|
| June 18. | To painting 8 street signs @ 30c.....                               |        | \$2.40  |
| Sept. 3. | To painting 3 street signs @ 30c..                                  | \$0.90 |         |
| Nov. 7.  | To painting 5 street signs @ 30c..                                  | 1.50   |         |
| Dec. 9.  | To painting 3 street signs @ 30c..                                  | .90    |         |
|          |   |        | <hr/>   |
|          |   |        | \$3.30  |
| Nov. 7.  | To lettering 20 signs giving speed-limit for automobiles @ \$1..... |        | \$20.00 |

## ENGINEER'S DEPARTMENT.

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## FRANK A. GAY.

|          |  |         |
|----------|--|---------|
| 1910.    |  |         |
| June 25. | To services, one man, 3 days @ \$1.75 per day..  | \$5.25  |
| Nov. 26. | To engineering work, including team hire and carfares, Hanover-street boulevard, from September 13 to October 26 inclusive.... | \$54.00 |

## THE JOHN B. CLARKE CO.

|          |  |         |
|----------|--|---------|
| 1910.    |  |         |
| July 27. | To printing 300 reports, engineer's department, 1909, 70 pages @ 65c. per page.... | \$45.50 |
| Nov. 18. | To printing 500 cost cards (form 1).....   | \$3.50  |
| Nov. 29. | To binding 5 books (record).....   | \$6.25  |

## THE FAIRBANKS CO., BOSTON, MASS.

|         |   |         |
|---------|---|---------|
| 1910.   |   |         |
| Oct. 7. | To 12 No. 3194 molds, each net \$4..... | \$48.00 |
|         | express .....                           | \$0.50  |

## F. H. MCARDLE, NASHUA, N. H.

|          |  |        |
|----------|--|--------|
| 1910.    |  |        |
| Oct. 14. | To 6 No. 830 Torpedo pencils with holders .....      | \$1.50 |
|          | 2 Peerless B. N. moisteners...                       | 2.00   |
|          | 2 No. 2 black Sengbusch self-closing inkstands ..... | 4.00   |
|          | 24 Galiluth penholders.....                          | 2.00   |
|          | 1 black rubber penholder.....                        | .25    |
|          |  | <hr/>  |
|          |  | \$9.75 |
| Oct. 14. | To 6 No. 825 Torpedo pencils with holders....        | \$1.50 |

## MANCHESTER HARDWARE CO.

|          |                     |        |
|----------|---------------------|--------|
| 1910.    |                     |        |
| Oct. 18. | To 1 nail set ..... | \$0.15 |
| Oct. 25. | To 1 trowel .....   | \$0.20 |
| Oct. 28. | To 1 mallet .....   | .20    |
|          |                     | <hr/>  |
|          |                     | \$0.40 |

## HARRY L. GOULD.

|          |  |         |
|----------|--|---------|
| 1910.    |  |         |
| Dec. 24. | To weekly report on hydrant bench marks for 1910 ..... | \$12.00 |

## J. J. MCALLISTER, JR.

|          |                                 |        |
|----------|---------------------------------|--------|
| 1910.    |                                 |        |
| Feb. 26. | To H. M. Young for express..... | \$0.50 |
|          | H. M. Young for express.....    | .30    |
|          | S. J. Lord for express.....     | 2.15   |
|          |                                 | <hr/>  |
|          |                                 | \$2.95 |

|          |                                  |        |        |
|----------|----------------------------------|--------|--------|
| Apr. 21. | To A. T. Dodge for carfare.....  | \$0.30 |        |
| 23.      | To A. T. Dodge for carfare.....  | .30    |        |
|          |                                  |        | <hr/>  |
|          |                                  |        | \$0.60 |
| June 28. | To G. B. Eastman for hooks.....  | \$0.25 |        |
| July 7.  | To H. B. Dorr for mallet.....    | .25    |        |
| 19.      | To A. T. Dodge for carfare.....  | .10    |        |
|          | G. B. Eastman for carfare.....   | .10    |        |
|          |                                  |        | <hr/>  |
|          |                                  |        | \$0.70 |
| Aug. 6.  | To G. W. Wales for soap.....     |        | \$1.00 |
| Nov. 26. | To H. M. Haskell for carfare.... | \$0.10 |        |
|          | express .....                    | .30    |        |
|          |                                  |        | <hr/>  |
|          |                                  |        | \$0.40 |

## GEORGE W. WALES.

1910.

|          |  |            |            |
|----------|--|------------|------------|
| Dec. 30. | To 312 days' service @ \$3.60 per<br>day ..... | \$1,123.20 |            |
|          | 195 hours extra @ 48c. per<br>hour .....       | 93.60      |            |
|          |  |            | <hr/>      |
|          |  |            | \$1,216.80 |

## HARRIE M. YOUNG.

1910.

|          |  |          |          |
|----------|--|----------|----------|
| Dec. 30. | To 229 days' service @ \$3.30 per<br>day ..... | \$755.70 |          |
|          | 42½ hours extra @ 44c. per<br>hour .....       | 18.70    |          |
|          |  |          | <hr/>    |
|          |  |          | \$774.40 |

## ALFRED T. DODGE.

1910.

|          |  |          |          |
|----------|--|----------|----------|
| Dec. 30. | To 312 days' service @ \$2.85 per<br>day ..... | \$889.20 |          |
|          | 131 hours extra @ 38c. per<br>hour .....       | 49.78    |          |
| Apr. 25. | To carfare Pine Grove cemetery..               | .30      |          |
| May 6.   | To carfare Pine Grove cemetery..               | .60      |          |
|          |  |          | <hr/>    |
|          |  |          | \$939.88 |

## HENRY A. WORTHEN.

1910.

|          |   |          |          |
|----------|---|----------|----------|
| Dec. 30. | To 306½ days' service @ \$2.55 per<br>day ..... | \$781.58 |          |
|          | 43½ hours extra @ 34c. per<br>hour .....        | 14.77    |          |
|          |   |          | <hr/>    |
|          |   |          | \$796.35 |

## HAROLD M. HASKELL.

|          |   |          |          |
|----------|---|----------|----------|
| 1910.    |   |          |          |
| Dec. 30. | To 214 days' service @ \$2.75 per day ..... | \$588.50 |          |
|          | 49½ hours extra @ 36½c. per hour .....      | 18.17    |          |
|          |   | <hr/>    | \$606.67 |

## JOHN J. MCALLISTER, JR.

|          |   |          |          |
|----------|---|----------|----------|
| 1910.    |   |          |          |
| Dec. 30. | To 196 days' service @ \$2.55 per day ..... | \$499.80 |          |
|          | 5 hours extra @ 34c. per hour .....         | 1.70     |          |
|          |   | <hr/>    | \$501.50 |

## LAWRENCE A. O'CONNOR.

|          |   |          |          |
|----------|---|----------|----------|
| 1910.    |   |          |          |
| Dec. 30. | To 299 days' service @ \$1.95 per day ..... | \$583.05 |          |
|          | 8 hours extra @ 26c. per hour .....         | 2.08     |          |
|          |   | <hr/>    | \$585.13 |

## GLEN B. EASTMAN.

|          |   |          |          |
|----------|---|----------|----------|
| 1910.    |   |          |          |
| Dec. 30. | To 306 days' service @ \$1.50 per day ..... | \$459.00 |          |
|          | 37 hours extra @ 20c. per hour .....        | 7.40     |          |
|          |   | <hr/>    | \$466.40 |

## FRANK L. MCALLISTER.

|          |  |          |          |
|----------|--|----------|----------|
| 1910.    |  |          |          |
| Dec. 30. | To 275½ days' service @ \$1.50 per day ..... | \$413.25 |          |
|          | 25 hours extra @ 20c. per hour .....         | 5.00     |          |
|          |  | <hr/>    | \$418.25 |

## HARRY B. DORR.

|          |   |          |          |
|----------|---|----------|----------|
| 1910.    |   |          |          |
| Dec. 30. | To 118 days' service @ \$2.25 per day ..... | \$265.50 |          |
|          | 36 hours extra @ 30c. per hour .....        | 10.80    |          |
|          |   | <hr/>    | \$276.30 |

## EDSON W. KEITH.

|          |   |          |          |
|----------|---|----------|----------|
| 1910.    |   |          |          |
| Dec. 30. | To 113 days' service @ \$2.25 per day ..... | \$254.25 |          |
|          | 3½ hours extra @ 30c. per hour .....        | 1.05     |          |
|          |   | <hr/>    | \$255.30 |

## CHAS. E. HAMMOND.

|          |   |          |          |
|----------|---|----------|----------|
| 1910.    |   |          |          |
| Dec. 30. | To 75½ days' service @ \$2.00 per day ..... | \$151.00 |          |
|          | 21½ hours extra @ 26⅔c. per hour .....      | 5.75     |          |
|          |   | <hr/>    | \$156.75 |

## HARRY T. GEORGE.

|          |   |         |         |
|----------|---|---------|---------|
| 1910.    |   |         |         |
| Dec. 30. | To 38½ days' service @ \$2.00 per day ..... | \$77.00 |         |
|          | 4 hours extra @ 26⅔c. per hour .....        | 1.08    |         |
|          |   | <hr/>   | \$78.08 |

## HORACE WYMAN.

|           |  |        |          |
|-----------|--|--------|----------|
| 1910.     |  |        |          |
| Sept. 10. | To 5 days' service @ \$1.50 per day .....  | \$7.50 |          |
| Dec. 30.  | To 66 days' service @ \$1.75 per day ..... | 115.50 |          |
|           | 2 hours extra @ 23⅓c. per hour .....       | .47    |          |
|           |  | <hr/>  | \$123.47 |

## MARK FARMER.

|          |  |         |         |
|----------|--|---------|---------|
| 1910.    |  |         |         |
| Nov. 22. | To 19 days' service @ \$1.25 per day ..... | \$23.75 |         |
|          | 8½ hours extra @ 16⅔c. per hour .....      | 1.42    |         |
|          |  | <hr/>   | \$25.17 |

## HAROLD L. DAVIS.

|          |  |  |         |
|----------|--|--|---------|
| 1910.    |  |  |         |
| Aug. 27. | To 42 days' service @ \$1.25 per day ..... |  | \$52.50 |

## ROYDEN E. REED.

|          |  |  |         |
|----------|--|--|---------|
| 1910.    |  |  |         |
| Sept. 3. | To 9½ days' service @ \$1.25 per day ..... |  | \$11.88 |

## OMER G. COFFIN.

|          |  |  |          |
|----------|--|--|----------|
| 1910.    |  |  |          |
| Nov. 26. | To 56 days' service @ \$2.00 per day ..... |  | \$112.00 |

## HARRY STEVENS.

|          |  |  |         |
|----------|--|--|---------|
| 1910.    |  |  |         |
| Nov. 26. | To 48 days' service @ \$2.00 per day ..... |  | \$96.00 |

## HARRIE H. CLEMENT.

|          |  |  |         |
|----------|--|--|---------|
| 1910.    |  |  |         |
| Dec. 24. | To 12 days' service @ \$2.55 per day ..... |  | \$30.60 |



## GEORGE PRINCE.

|          |  |         |
|----------|--|---------|
| 1910.    |  |         |
| Jan. 22. | To 4½ days' labor as engineer's department assistant @ \$2.25 per day (9 hours)..... | \$10.13 |

## S. J. LORD.

|          |  |            |
|----------|--|------------|
| 1910.    |  |            |
| Dec. 30. | One half salary for the year 1910..... | \$1,099.92 |

## SUMMARY.

|  |            |            |
|--|------------|------------|
| Appropriation to the engineer's department for the year 1910 ..... | \$9,000.00 |            |
| Credits—by sale of bay horse.....                                  | 53.80      |            |
| engineering work done on Second street .....                       | 87.07      |            |
| blue prints made for New England Telephone & Telegraph Co.....     | 27.85      |            |
| Expenses of the engineer's department for the year 1910 .....      |            | \$9,159.95 |
| Balance unexpended .....   |            | 10.77      |
|  | <hr/>      | <hr/>      |
|  | \$9,170.72 | \$9,170.72 |

## ORDERS.

|   |     |
|---|-----|
| Board of mayor and aldermen (meetings).....           | 7   |
| Board of examiners of plumbers (meetings).....        | 6   |
| Committee on streets (meetings).....                  | 7   |
| Committee on sewers and drains (meetings).....        | 6   |
| Petitions for new highways.....                       | 25  |
| Petitions for highway grade.....                      | 26  |
| Petitions for new sewers.....                         | 9   |
| Table No. 31 (street signs) .....                     | 17  |
| Table No. 28 (highway bounds) .....                   | 70  |
| Table No. 29 (levels for profile).....                | 79  |
| Table No. 29 (plans and profile) .....                | 86  |
| Table No. 30 (miscellaneous orders, field).....       | 205 |
| Table No. 30 (miscellaneous orders, office).....      | 13  |
| Table No. 33 (cemetery orders, office).....           | 1   |
| Table No. 33 (cemetery orders, field) .....           | 12  |
| Table No. 34 (Street and park commission orders)..... | 227 |
| Table No. 32 (street numbers, orders).....            | 189 |

FIELD WORK.

|   |         |
|---|---------|
| Levels for profile for establishing grades (length in feet) ..... | 317,586 |
| Levels in Pine Grove cemetery (length in feet).....               | 5,314   |
| Other levels (length in feet).....                                | 6,210   |
| <hr/>   |         |
| Total length of levels in feet.....                               | 329,110 |
| Cross-section levels (area in sq. ft.).....                       | 357,300 |
| Surveys of streets and street lines (length in feet)....          | 58,960  |
| Surveys in Pine Grove cemetery (length in feet).....              | 2,800   |
| Surveys for street numbers (length in feet).....                  | 6,680   |
| Surveys, miscellaneous (length in feet).....                      | 26,920  |
| <hr/>   |         |
| Total length of surveys in feet.....                              | 95,360  |
| Street lines marked on ground (length in feet).....               | 19,920  |
| Lot and avenue lines, Pine Grove cemetery (length in feet) .....  | 2,960   |
| Lines for gutters (length in feet).....                           | 15,875  |
| Lines for curbs (length in feet).....                             | 24,600  |
| Lines for sewers (length in feet).....                            | 13,200  |
| Lines for building streets (length in feet).....                  | 32,560  |
| Other lines (length in feet).....                                 | 1,800   |
| <hr/>   |         |
| Total length of lines marked on ground.....                       | 110,915 |
| Grades set for sidewalks (length in feet).....                    | 22,640  |
| Grades set for gutters (length in feet).....                      | 15,875  |
| Grades set for curbs (length in feet).....                        | 24,600  |
| Grades set for sewers (length in feet).....                       | 13,200  |
| Grades set for building streets (length in feet).....             | 32,560  |
| Grades set for paving (length in feet).....                       | 9,280   |
| Grades set for Pine Grove cemetery (length in feet)....           | 1,550   |
| Grades set for other purposes (length in feet).....               | 1,200   |
| <hr/>   |         |
| Total length in feet of grades set .....                          | 120,905 |
| Number of old lots restaked in Pine Grove cemetery....            | 121     |
| Highway bounds set.....   | 59      |
| Highway bounds reset .....  | 10      |
| Highway bounds removed .....                                      | 1       |
| <hr/>   |         |
|   | 70      |

BATTERS SET.

Lafayette park, wall and steps.

SEWER PLANS AND PROFILES.

Boutwell, Kelley to Amory.

Boynton, McDuffie to south of Bank.

Canal, Granite to West Central.  
 Clay, Lincoln to Wilson.  
 Cumberland, Amory to south of Monitor.  
 Dix, Lincoln to Wilson.  
 Lincoln, Howe to Silver.  
 Maple, Somerville to Silver.  
 Maple, Myrtle to Harrison.  
 River road, Cloyde to north of Park avenue.  
 Salmon, Beech to Ash.  
 Shasta, Maple to Lincoln.  
 Somerville, Lincoln to Wilson.  
 Summer, Hall to Belmont.  
 Total sewer plans and profiles, 14.

## NUMBERING PLANS.

Alpheus, Beech to Willow.  
 Alpine, Ingalls to Mast.  
 Alsace, Bremer northerly.  
 Annabell, Mast road to Rockland avenue.  
 Avon, Ingalls to Mast.  
 Bremer, Montgomery to west of Boutwell, two plans.  
 Clement, Ingalls to Fenton.  
 Davis, Otis to Cloyde.  
 Dickey, Sylvester to Alpine.  
 Fenton, Sylvester to Alpine.  
 Forest, Sylvester to Alpine.  
 Glendale avenue, Cypress to Jewett.  
 Harriman, Grant to south of Sheridan.  
 Ingalls, Forest to Alpine.  
 Joliette, Kelley northerly.  
 Laval, Kelley to north of Bremer.  
 Leggett court, Martin lane to Main.  
 Lingard, M. & L. R. R. to Willow.  
 Loring, M. & L. R. R. to Willow.  
 Patterson, Salem to Bedford town line.  
 Pellerin lane, Amory south back to Amory.  
 Spring Garden, M. & L. R. R. to Willow.  
 Upton, M. & L. R. R. to Willow.  
 Whittier, Ingalls to Mast.  
 Total numbering plans, 25.

## MISCELLANEOUS PLANS.

Ash, Beech and Concord streets, High school lot, location of walks and building.  
 Arlington, Ashland, Bridge and Linden streets, land of Harry Eaton.

Amherst, Hanover, Highland, Hilton and Merrimack streets, land of Nathaniel Doane and Roscoe K. Horne.

Beech and Gold streets, Calef road, land of Joseph A. Brown estate.

Belmont, Bridge, Hall, Harrison, Mead, Myrtle, Orange, Pearl and Prospect streets, "Morrison land," land of Mead, Mason & Co.

Calef road, Bond and Elm streets, Elmhurst, Rosedale, Hillcrest, Oakland and Edgemere avenues, "Elmhurst."

Calef road, Elm, Edgewood, Glenridge, Maplewood and Mitchell streets, Elmwood, Harrington and Rosemont avenues, "Elmwood park south."

College road, Eden, Fairview, Gold and Plummer streets, land of Warren & Moody.

Conant south back, West to Main, location.

Floral path, Highland, Lawn, Riverside and South avenues, "Birch lawn," Pine Grove cemetery.

High East, Highland, Jewett and Lowell streets, "Barrister square," land of F. B. Burgess.

Lincoln and Merrimack streets, land of Florence B. Burgess and Cora B. Marsh.

Mason, Merrill, Hayward and Valley streets, land of Jennie F. Dickey and Phronie A. Woodman.

Massabesic and Valley streets, land of V. Ricard and W. St. Onge.

Somerville and Taylor streets, land of Page and Bryant and Jennie L. Wilson.

Total miscellaneous plans, 15.

#### WORKING PLANS.

Allen, South Main to Boynton, profile.

Bay, Salmon to Webster, two profiles.

Bay east back, North to Webster, two profiles.

Bedford, Granite to north of West Central, profile.

Bell south back, Pine east back to Beech, two profiles.

Belmont, Summer to Massabesic, profile.

Blodget, Elm to Chestnut, profile.

Boutwell, Kelley to north of Bremer, profile.

Bremer, Boutwell to Morgan, profile.

Bridge, Maple to Nashua, profile.

Bridge, Warren to Linden, profile.

Brown avenue, Elm to Baker, two profiles.

Byron, Brown avenue to Merrimack river, two profiles.

Canal, West Central to Granite, two plans.

Cartier, Wilton to Adams, profile.

Cartier east back, Amory to Amory south back, profile.

Cartier east back, Sullivan to Putnam, profile.

Central, Belmont to Milton, profile.

- Central, West, State to Bedford, profile.  
 Cheney Place, Brown avenue to Elm, profile.  
 Chestnut, Bridge to Pearl, profile.  
 Chestnut to Pine, Sagamore to north of Salmon, cross-section, plan.  
 Cloyde, River road to Davis, profile.  
 Concord, Vine to Pine, profile.  
 Concord, Belmont to Beacon, profile.  
 Dean, Elm to Elm west back, profile.  
 Dubuque east back, Putnam to Wayne, profile.  
 Elm, Auburn to south of Valley, profile.  
 Elm, Myrtle to north of Harrison, two profiles.  
 Elm, Pennacook to north of Sagamore, profile.  
 Elm, North to Webster, profile.  
 Elm, Carpenter to Trenton, profile.  
 Elm east back, Salmon to Webster, two profiles.  
 Everett, West Clarke to Waldo, profile.  
 Frederick, Wentworth to Second, profile.  
 Front, Black brook, northerly, five profiles.  
 Gates, Cartier to Rimmon, profile.  
 Grant, Hanover to Mammoth road, profile.  
 Grove, State to Bedford, profile.  
 Hanover, Beacon to Candia road, eight profiles.  
 Hanover, Merrimack to Mammoth road, profile.  
 Hanover, culvert near Grant, profile.  
 Harvell, South Main to Second, profile.  
 Hayward, Hall to Belmont, profile.  
 High school lot, Beech, Ash and Concord streets, location of walks  
 and buildings, plan.  
 Hubbard, Hanover to Amherst, profile.  
 Mammoth road, Hanover to Lake avenue, profile.  
 Manchester, Maple to Lincoln, profile.  
 Maple, Merrimack to Central, profile.  
 McDuffie, South Main to Boynton, profile.  
 McGregor, West Bridge to Main, profile.  
 Milton, Lake avenue to Laurel, profile.  
 Montgomery east back, Kelley to Amory, profile.  
 Newell, State to Bedford, profile.  
 Newell south back, State to Bedford, profile.  
 North to Salmon, Liberty to Pine, cross-section, plan.  
 Notre Dame avenue, Amory to Sullivan, four profiles.  
 Oakland avenue, Revere avenue to Woodland avenue, profile.  
 Orchard avenue, Glenwood avenue to Candia road, two profiles.  
 Parker square, showing trees and cross-sections, plan.  
 Payson, State to Bedford, profile.  
 Payson east back, State to Bedford, profile.  
 Pennacook to Sagamore, Elm to Chestnut, cross-section, plan.

Pine east back, North to Salmon, profile.  
 Putnam, Notre Dame avenue to Dubuque, profile.  
 Ray, Clarke 650 feet northerly, profile.  
 Revere avenue, Glenwood avenue to Candia road, profile.  
 Revere avenue, Oakland avenue to Candia road, two profiles.  
 Rimmon, Conant to Gates, profile.  
 River road, West Salmon to West North, profile.  
 Sagamore, Elm to Chestnut, profile.  
 Salmon, Elm to Chestnut, profile.  
 Salmon, West, Elm to Amoskeag bridge, profile.  
 Second, Walker to South Main, six profiles.  
 State, Granite to north of West Central, profile.  
 Taylor, Massabesic to Valley, profile.  
 Union, Webster to Clarke, profile.  
 Vernon, Brown avenue to Hamilton, profile.  
 Waldo, Elm to Everett, profile.  
 Walnut, Salmon to North, profile.  
 Walnut east back, Salmon to North, profile.  
 Wayne, Main to Notre Dame avenue, profile.  
 Webster, Elm to Chestnut, profile.  
 Wilkins, Mast road to Rockland avenue, profile.  
 Willow, Hayward to Baker, two profiles.  
 Wilson east back, Somerville to Clay, profile.  
 Winter place, Elm to Elm west back, profile.  
 Woodland avenue, Candia road to C. & P. R. R., profile.  
 Youngsville school lot, proposed changes, cross-section, plan.  
 Youville, Rimmon to Kelley, profile.  
 Total working plans, 119.

## TRACINGS.

Hanover, Beacon to west of Merrimack, plan.  
 Manchester Traction, Light & Power Company, showing location of poles. 180 tracings.  
 New England Telephone and Telegraph Company, showing location of poles. 119 tracings.  
 Second, Walker to South Main. Six plans.  
 Total tracings, 306.

## BLUE PRINTS.

Birch lawn, Pine Grove cemetery, six prints.  
 High school yard, two prints.  
 Manchester Traction, Light & Power Company, showing location of poles, 360 prints.  
 New England Telephone & Telegraph Company, showing location of poles, 238 prints.



Second, Walker to South Main, 23 prints.  
 Sewerage system, East Side, three prints.  
 Sewerage system, West Side, three prints.  
 Spruce lawn, Pine Grove cemetery, three prints.  
 Uncanoonuc Inclined Railway & Development Company, six prints.  
 Total blue prints, 644.

## SUMMARY.

|                                  |       |
|----------------------------------|-------|
| Plans and profiles (sewer) ..... | 14    |
| Numbering plans .....            | 25    |
| Miscellaneous plans .....        | 15    |
| Working plans .....              | 119   |
| Tracings .....                   | 306   |
| Blue prints .....                | 644   |
|                                  | 1,123 |

Six tracings showing city sewers have been brought up to date.  
 Maps brought up to date, five.  
 Plans brought up to date, 110.  
 Plans made for establishing grade on streets not laid out, 18,980 feet.  
 Plans made for establishing grade on laid-out streets, 57,270 feet.  
 Total, 76,250 feet.  
 Lot owners looked up, 15,793.08 feet.

## SEWER LICENSES.

At a meeting of the board of mayor and aldermen, November 19, 1897, the city engineer was instructed "to examine the books in his office and to present to said board a list of property owners who had neglected to pay the license fee required by the city laws and ordinances for entrance to the city sewers."

The records were examined and a list compiled, giving the name of the property owner, and the location of the lot, the street frontage, and the license fee due upon each and every piece of occupied property within one hundred feet of a public sewer.

The said list was given in hand to the city clerk, as clerk of the board of mayor and aldermen.

The list comprised 1,017 names, and a notice was sent to each one by the city clerk. A summarized statement of the ground covered to January 1, 1911, follows, to wit:

|  |     |       |
|--|-----|-------|
| Number of names January 1, 1898.....         |     | 1,017 |
| Paid during 1898.....                        | 277 |       |
| Granted free during 1908.....                | 76  |       |
| Paid prior to 1898, located during year..... | 121 |       |
| Paid during 1899.....                        | 24  |       |
| Granted free during 1899.....                | 12  |       |

|   |       |            |
|---|-------|------------|
| Paid during 1900 .....                                | 2     |            |
| Not connected .....                                   | 1     |            |
| Paid during 1901.....                                 | 2     |            |
| Granted free during 1901.....                         | 1     |            |
| Paid during 1902.....                                 | 2     |            |
| Paid during 1903.....                                 | 3     |            |
| Paid during 1904.....                                 | 4     |            |
| Paid during 1906.....                                 | 1     |            |
| Paid during 1907.....                                 | 3     |            |
| Granted free during 1907.....                         | 1     |            |
| Paid during 1908.....                                 | 2     |            |
| Paid during 1909.....                                 | 2     |            |
| Granted free during 1909.....                         | 1     |            |
| Paid during 1910.....                                 | 1     |            |
| Paid prior to 1898, not located.....                  | 60    |            |
| Paid previously .....                                 | 3     |            |
| Paid in part .....                                    | 1     |            |
| Covered by old permit.....                            | 1     |            |
| Not recorded paid, receipts shown                     | 5     |            |
| Recorded paid, no record of cash                      |       |            |
| received .....  | 2     |            |
| Claims to have paid, no record.....                   | 1     |            |
| Licenses taken out, not paid.....                     | 17    |            |
| Not heard from .....                                  | 391   |            |
|   |       |            |
| Total number not settled January, 1910..              | 483   |            |
|   |       |            |
|   | 1,017 | 1,017      |
| Number of licenses granted new sewer enterers during  |       |            |
| 1910 .....  |       | 154        |
| Number of licenses granted delinquent sewer enterers  |       |            |
| during 1910 .....                                     |       | 1          |
| Number of free licenses granted sewer enterers during |       |            |
| 1910 .....  |       | 7          |
|   |       |            |
| Total number of licenses granted during 1910.....     |       | 162        |
| Amount of money recorded as collected from one delin- |       |            |
| quent sewer enterer during 1910.....                  |       | \$15.00    |
| Amount of money recorded as collected from new sewer  |       |            |
| enterers during 1910.....                             |       | 2,270.37   |
|   |       |            |
| Total amount of money collected during 1910.....      |       | \$2,285.37 |
| (All moneys are collected by the city clerk.)         |       |            |

## STREET NUMBERS.

|                                      |       |
|--------------------------------------|-------|
| Figures on hand January 1, 1910..... | 1,371 |
| Letters on hand January 1, 1910..... | 55    |

|                                      |       |       |
|--------------------------------------|-------|-------|
| Figures used during 1910.....        |       | 807   |
| Figures on hand January 1, 1911..... |       | 564   |
| Letters on hand January 1, 1911..... |       | 55    |
|                                      | 1,426 | 1,426 |
| Numbers assigned during 1910.....    |       | 230   |
| Numbers replaced during 1910.....    |       | 20    |
|                                      |       | 250   |

(The expense of street numbers is charged to the appropriation for the engineer's department.)

#### COAL TAR AND GRANITE BLOCK PAVING.

Tables Nos. 1, 2, 3, 4, 5 and 6 give the location, number of square yards, price per square yard, total cost and date when measured of all coal tar concrete and granite blocks laid during the year as follows: Table No. 1, street crossings (new); Table No. 2, street crossings (repairs); Table No. 3, sidewalks (repairs); Table No. 4, street paving (new); Table No. 5, street paving (repairs); Table No. 6, miscellaneous; Table No. 7, summary of tables Nos. 1, 2, 3, 4, 5 and 6.

TABLE No. 1.  
STREET CROSSINGS (New).—ROBIE CONSOLIDATED CONCRETE CO., CONTRACTOR.  
Material, Tar Concrete.

| STREET.                 | LOCATION.                   | Square yards. | Per square yard. | Total cost. | Measured.     |
|-------------------------|-----------------------------|---------------|------------------|-------------|---------------|
| Dubuque .....           | North side, at Kelley ..... | 27.86         | \$0.75           | \$20.89     | Dec. 14, 1910 |
| Dubuque east back ..... | North side, at Kelley ..... | 10.888        | 0.75             | 8.15        | " " 14, 1910  |
|                         |                             | 38.748        |                  | \$29.04     |               |

TABLE No. 2.  
STREET CROSSINGS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO., CONTRACTOR.  
Material, Tar Concrete.

| STREET.                   | LOCATION.                    | Square yards. | Per square yard. | Total cost. | Measured.     |
|---------------------------|------------------------------|---------------|------------------|-------------|---------------|
| Concord .....             | East side, at Elm .....      | 35 777        | \$0 35           | \$12.52     | July 7, 1910  |
| Derryfield lane .....     | West side, at Chestnut ..... | 19,000        | 0 35             | 6 65        | " 6, 1910     |
| Hanover .....             | East side, at Elm .....      | 31,138        | 0 75             | 23 35       | June 15, 1910 |
| Harrison south back ..... | East side, at Union .....    | 15,166        | 0 50             | 7 58        | July 9, 1910  |
| Londonderry lane .....    | West side, at Chestnut ..... | 19,000        | 0 36             | 6 45        | " 6, 1910     |
| Londonderry lane .....    | East side, at Chestnut ..... | 19,000        | 0 35             | 6 65        | " 6, 1910     |
| Monadnock lane .....      | West side, at Concord .....  | 19,000        | 0 35             | 6 65        | " 6, 1910     |
| Nutfield lane .....       | North side, at Concord ..... | 12,444        | 0 35             | 4 35        | " 7, 1910     |
| Nutfield lane .....       | North side, at Amherst ..... | 14,444        | 0 35             | 5 06        | " 7, 1910     |
| Nutfield lane .....       | South side, at Amherst ..... | 16,444        | 0 35             | 5 76        | " 7, 1910     |
|                           |                              | 201,413       |                  | \$85.22     |               |

TABLE No. 3.  
SIDEWALKS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO., CONTRACTOR.  
Material, Tar Concrete.

| STREET.            | LOCATION.                                | Square yards. | Per square yard. | Total cost. | Measured.     |
|--------------------|--|---------------|------------------|-------------|---------------|
| Beech.....         | West side, 30 feet north of Salmon ..... | 18,663        | \$0.50           | \$9.43      | Dec. 14, 1910 |
| Notre Dame avenue. | West side, Putnam to Wayne .....         | 146.76        | 0.45             | 66.04       | Dec. 14, 1910 |
| Notre Dame avenue. | East side, Putnam to Wayne.....          | 111 111       | 0.45             | 50.00       | Dec. 14, 1910 |
|                    |  | 276.537       |                  | \$125.47    |               |

TABLE No. 4.  
STREET PAVING (New).

| STREET.          | LOCATION.                                 | Contractor.                 | Measured.    | Tar concrete, Sq. yards. | Granite block, cement joints, Sq. yards. | Street Railway, Square yards. | Per square yard. | Total cost. |
|------------------|---|-----------------------------|--------------|--------------------------|--|-------------------------------|------------------|-------------|
| Elm.....         | Orange to Prospect .....                  | Hanscom Construction Co.    | Dec. 7, 1910 | 2,513.67                 | .....                                    | .....                         | \$2.18           | \$5,479.80  |
| ".....           | Orange to Prospect, gutters .....         | "                           | " 7, 1910    | .....                    | 930.5                                    | .....                         | 3.25             | 2,991.62    |
| ".....           | Orange to Prospect, brow and tracks ..... | "                           | " 7, 1910    | .....                    | 183.41                                   | 193.41                        | 3.25             | 628.58      |
| ".....           | Orange to Prospect, between tracks .....  | "                           | " 7, 1910    | .....                    | 1,062.85                                 | 1,062.85                      | 2.43             | 2,582.72    |
| Lake avenue..... | Chestnut to Pine .....                    | Robie Consolidated Con. Co. | " 14, 1910   | 648.90                   | .....                                    | .....                         | 1.60             | 1,038.24    |
| ".....           | Chestnut to Pine .....                    | "                           | " 14, 1910   | .....                    | 165.76                                   | .....                         | 1.02             | 169.08      |
|                  |   |                             |              | 3,162.57                 | 2,342.52                                 | 1,256.26                      |                  | \$12,890.04 |

TABLE No. 5.  
STREET PAVING (Repairs).

| STREET.        | LOCATION.                        | Contractor.                          | Measured.     | Material.     | Square yards. | Per square yard. | Total cost. |
|----------------|----------------------------------|--------------------------------------|---------------|---------------|---------------|------------------|-------------|
| Amherst        | Elm to Vine                      | Robie Consolidated Concrete Company. | July 7, 1910  | Tar concrete. | 96,000        | \$0.35           | \$33,000    |
| "              | Union to Beech                   | "                                    | June 22, 1910 | "             | 152,144       | .50              | 76,072      |
| Chestnut       | Hanover, northerly               | "                                    | " 15, 1910    | "             | 0,833         | .50              | 416.50      |
| Concord        | Amherst, north and south         | "                                    | July 6, 1910  | "             | 393,000       | .35              | 137,550     |
| "              | Elm, easterly                    | "                                    | " 6, 1910     | "             | 24,888        | .35              | 8,711       |
| Granite        | Nutfield lane to Vine            | "                                    | " 7, 1910     | "             | 7,111         | .35              | 2,492.75    |
| "              | Turner to Main                   | "                                    | " 11, 1910    | "             | 148,277       | .35              | 51,900.45   |
| "              | At Harry E. Wheeler's (M. W. W.) | "                                    | " 11, 1910    | "             | 3,000         | .50              | 1,500       |
| "              | At Granite square                | "                                    | " 13, 1910    | "             | 347,777       | .35              | 122,221.95  |
| Hanover        | Elm to Chestnut                  | "                                    | June 15, 1910 | "             | 3,933         | .50              | 1,966.50    |
| "              | Chestnut to Pine                 | "                                    | " 15, 1910    | "             | 63,639        | .35              | 22,271.15   |
| "              | Union to Beech                   | "                                    | " 15, 1910    | "             | 263,611       | .50              | 131,805.50  |
| "              | At James W. Hill's (M. W. W.)    | "                                    | " 15, 1910    | "             | 3,166         | .50              | 1,583       |
| Main           | Granite square to Ferry          | "                                    | July 13, 1910 | "             | 45,555        | .35              | 15,944.25   |
| Maple          | Walker to M. & N. W. R. R.       | "                                    | " 13, 1910    | "             | 187,555       | .35              | 66,644.25   |
| Merrimaek      | Merrimaek to Lowell              | "                                    | June 30, 1910 | "             | 191,722       | .50              | 95,861      |
| "              | Chestnut, westerly               | "                                    | July 2, 1910  | "             | 442,666       | .35              | 154,933.10  |
| "              | Beech to Maple (P. G. L. Co.)    | "                                    | June 29, 1910 | "             | 12,666        | .50              | 6,333       |
| "              | Chestnut, easterly               | "                                    | " 29, 1910    | "             | 353,944       | .50              | 176,972     |
| Monadnock lane | " (Mr. Green)                    | "                                    | July 1, 1910  | "             | 148,984       | .35              | 52,144.40   |
| "              | "                                | "                                    | " 1, 1910     | "             | 5,333         | .35              | 1,866.55    |
| Nutfield       | Amherst to Hanover               | "                                    | " 8, 1910     | "             | 191,611       | .35              | 67,062.85   |
| Union          | Amherst to Concord               | "                                    | June 23, 1910 | "             | 35,083        | .50              | 17,541.50   |
| "              | " (N. E. T. & T. Co.)            | "                                    | " 23, 1910    | "             | 18,222        | .50              | 9,111       |
| "              | " (P. G. L. Co.)                 | "                                    | " 23, 1910    | "             | 12,444        | .75              | 9,333       |
| "              | " Hanover                        | "                                    | " 23, 1910    | "             | 70,888        | .50              | 35,444      |
| "              | Concord to Lowell                | "                                    | " 23, 1910    | "             | 164,222       | .35              | 57,477.70   |
| "              | Lowell to Central                | "                                    | " 23, 1910    | "             | 194,222       | .50              | 97,111      |
| "              | Central to Lake avenue           | "                                    | " 23, 1910    | "             | 106,111       | .50              | 53,055.50   |
| "              | Amherst to Concord               | "                                    | " 23, 1910    | "             | 99,777        | .35              | 34,921.95   |
| Vine           | "                                | "                                    | July 9, 1910  | "             | 3,718,384     |                  | \$1,535,111 |



TABLE No. 6.  
MISCELLANEOUS.—ROBIE CONSOLIDATED CONCRETE COMPANY.  
Material, Tar Concrete.

| LOCATION.        | DESCRIPTION.                 | Measured.     | Square yards. | Per square yard. | Total cost. |
|------------------|------------------------------|---------------|---------------|------------------|-------------|
| Barry playground | At north handball court      | Aug. 24, 1910 | 61.665        | \$0.50           | \$30.83     |
| "                | At south                     | " 24, 1910    | 45.000        | 0.50             | 22.50       |
| "                | At handball court            | June 18, 1910 | 113.330       | 0.50             | 56.67       |
| Monadnock lane   | At police station (driveway) | " 30, 1910    | 11.000        | 0.35             | 3.85        |
| Turner street    | At handball court            | " 18, 1910    | 145.670       | 0.50             | 72.83       |
|                  |                              |               | 376.666       |                  | \$186.68    |

TABLE No. 7.  
SUMMARY OF TABLES Nos. 1, 2, 3, 4, 5 and 6.

| DESCRIPTION.                                     | CONTRACTOR.                     | Table No. | Square yards. | Cost.       |
|--|---------------------------------|-----------|---------------|-------------|
| Street crossings, new, tar concrete              | Robie Consolidated Concrete Co. | 1         | 38,748        | \$29.01     |
| Street crossings, repairs, tar concrete          | Robie Consolidated Concrete Co. | 2         | 201,413       | 85.22       |
| Sidewalks, repairs, tar concrete                 | Robie Consolidated Concrete Co. | 3         | 276,537       | 125.47      |
| Street paving, new, tar concrete                 | Robie Consolidated Concrete Co. | 4         | 648.90        | 1,038.24    |
| Street paving, new, tar concrete                 | Hanscom Construction Co.        | 4         | 2,513.67      | 5,479.80    |
| Street paving, new, granite block, cement joints | Hanscom Construction Co.        | 4         | 2,176.76      | 6,202.92    |
| Street paving, new, granite block, cement joints | Robie Consolidated Concrete Co. | 4         | 165.76        | 169.08      |
| Street paving, repairs, tar concrete             | Robie Consolidated Concrete Co. | 5         | 3,718.384     | 1,565.11    |
| Miscellaneous, tar concrete                      | Robie Consolidated Concrete Co. | 6         | 376.666       | 186.68      |
|  |                                 |           | 10,116.838    | \$14,851.56 |

ABSTRACT REPORT OF THE COMMITTEE ON STREETS FOR THE YEAR 1910.  
PERSONNEL OF THE COMMITTEE.

Alderman from Ward 9, Arthur J. Provost, chairman.

Alderman from Ward 1, Ernest W. Wiesner.

Alderman from Ward 7, Herbert A. Salls.

Clerk of the committee, Samuel J. Lord.

Tables Nos. 8, 9, 10, 11, 12 and 13 have been compiled to be used in the annual report of the engineer's department in lieu of citing the record of the committee on streets in detail. The tables give information pertaining to the petitions that have been acted upon by the committee during the year 1910, also highways laid out, widened and straightened and grades ordered established by the board of mayor and aldermen during the year.

Table No. 8 is a list of the petitions for new highways that have been acted upon by the committee during the year.

Table No. 9 is a list of the petitions for establishing grades that have been acted upon by the committee during the year.

Table No. 10 is a list of miscellaneous petitions that have been acted upon by the committee during the year.

Table No. 11 is a list of highways that have been laid out by the board of mayor and aldermen during the year.

Table No. 12 is a list of highway grades ordered established by the board of mayor and aldermen during the year.

Table No. 13 is a list of miscellaneous petitions that have been acted upon by the board of mayor and aldermen during the year.

Distances are given in feet.

TABLE No. 8.  
PETITIONS FOR NEW HIGHWAYS ACTED UPON BY THE COMMITTEE ON STREETS DURING 1910.

| LOCATION.            | LIMITS.  | Distance | Width | Petition of                 | Date of petition. | Withdrawn. | Granted.      |
|----------------------|--|----------|-------|-----------------------------|-------------------|------------|---------------|
| Annabell .....       | Mast road to Rockland avenue                                 | 1,039.77 | 50    | John H. Groux.....          | April 14, 1910    | .....      | Aug. 22, 1910 |
| Bell .....           | Union to Beech.....  | 490.00   | 50    | Owen Markey.....            | Mar. 19, 1910     | .....      | July 20, 1910 |
| Byron .....          | Josselyn to 100 feet west of<br>B. & M. R. R. right of way.. | 340.00   | 50    | Wm. H. McElwain<br>Co. .... | July 27, 1910     | .....      | Aug. 25, 1910 |
| Dubuque east back... | Putnam to Sullivan.....                                      | 200.00   | 20    | Arthur T. Beaumier          | April 4, 1910     | .....      | May 2, 1910   |
| Gates .....          | Dubuque to Rimmon.....                                       | 270.00   | 50    | William Ploss.....          | Sept. 17, 1910    | .....      | Oct. 25, 1910 |
| Harvard .....        | Lincoln to Wilson.....                                       | 622.94   | 50    | Kimball Carriage Co.        | June 13, 1910     | .....      | Oct. 25, 1910 |
| Highland .....       | Hanover to Amherst.....                                      | 355.00   | 50    | Chas. C. Hayes, Ex.         | June 6, 1910      | .....      | July 20, 1910 |
| Maryland avenue..... | Hanover to Bridge street ext..                               | 2,217.56 | 50    | Anthony L. Frye....         | Aug. 3, 1910      | .....      | Oct. 25, 1910 |
| Pennsylvania avenue. | Hanover to Bremer street ext..                               | 2,242.93 | 60    | John P. Biagdon....         | Jan. 3, 1910      | .....      | Oct. 25, 1910 |
| Rimmon east back...  | Kelley to Bremer.....  | 550.00   | 20    | E. N. Fugere.....           | Apr. 16, 1909     | .....      | May 2, 1910   |
| Youville .....       | Kelley to Bremer.....  | 650.00   | 50    | Louis W. Daniels...         | May 20, 1910      | .....      | July 28, 1910 |
|                      |  | 8,978.20 |       |                             |                   |            |               |

SUMMARY.

|   |    |  |          |
|---|----|--|----------|
| Whole number of highway petitions acted upon..... | 11 | Total length of highways petitioned for..... | 8,978.20 |
| Granted a hearing.....                            | 11 | Granted a hearing .....                      | 8,978.20 |
|   | 11 |  | 8,978.20 |

TABLE No. 9.

PETITIONS FOR ESTABLISHING GRADE ACTED UPON BY THE COMMITTEE ON STREETS DURING 1910.

| LOCATION.              | LIMITS.   | Distance  | Width | Petition of                 | Date of petition. | Withdrawn.  | Granted.      |
|------------------------|---|-----------|-------|-----------------------------|-------------------|-------------|---------------|
| Allen .....            | South Main to Boynton.....                                    | 708.645   | 50    | Charles J. Tinker...        | Feb. 5, 1910      | .....       | May 2, 1910   |
| Annabell .....         | Main road to Rockland avenue                                  | 1,039.77  | 50    | John H. Groux.....          | April 14, 1910    | .....       | Aug. 22, 1910 |
| Bell .....             | Union to Beech.....   | 490.00    | 50    | Owen Markey.....            | Mar. 19, 1910     | .....       | July 20, 1910 |
| Byron .....            | Brown avenue to 100 ft. west of<br>B. & M. R. R. right of way | 1,336.185 | 50    | Wm. H. McElwain<br>Co. .... | July 27, 1910     | .....       | Aug. 25, 1910 |
| Dubuque east back..... | Putnam to Sullivan.....                                       | 200.00    | 20    | Arthur T. Beaumier          | April 4, 1910     | .....       | May 2, 1910   |
| Gates .....            | Dubuque to Rhinmon.....                                       | 276.00    | 50    | William Ploss.....          | Sept. 17, 1910    | .....       | Oct. 25, 1910 |
| Harvard .....          | Lincoln to Wilson.....  | 622.94    | 50    | Kimball Carriage Co.        | June 13, 1910     | .....       | Oct. 25, 1910 |
| Highland .....         | Hanover to Amherst.....                                       | 355.00    | 50    | Chas. C. Hayes, Ex.         | June 6, 1910      | .....       | July 20, 1910 |
| Linden .....           | Myrtle to Prospect.....                                       | 220.00    | 50    | H. B. Sawyer.....           | May 12, 1903      | May 2, 1910 | .....         |
| Maryland avenue.....   | Hanover to Bridge street ext.                                 | 2,217.56  | 50    | Anthony L. Frye....         | Aug. 3, 1910      | .....       | Oct. 25, 1910 |
| Parker .....           | Winter, to the North Weare R.<br>R. bridge.....               | 160.00    | 40    | Glory M. Boucher..          | May 20, 1905      | May 2, 1910 | .....         |
| Pennsylvania avenue.   | Hanover to Bridge street ext.                                 | 2,242.93  | 60    | John P. Blagdon....         | Jan. 3, 1910      | .....       | Oct. 25, 1910 |
| Youville .....         | Kelley to Bremer.....   | 650.00    | 50    | Louis W. Daniels...         | May 20, 1910      | .....       | July 28, 1910 |
|                        |   | 10,513.03 |       |                             |                   |             |               |

SUMMARY.

|   |           |   |                  |
|---|-----------|---|------------------|
| Whole number of grade petitions acted upon..... | 13        | Total length of highway grades petitioned for | 10,513.03        |
| Granted leave to withdraw.....                  | 2         | Granted leave to withdraw.....                | 380.00           |
| Granted a hearing .....                         | 11        | Granted a hearing.....                        | 10,133.03        |
|   | <u>13</u> |   | <u>10,513.03</u> |
|   |           |   | 10,513.03        |

TABLE No. 10.  
PETITIONS FOR DISCONTINUING HIGHWAYS ACTED UPON BY THE COMMITTEE ON STREETS DURING 1910.

| LOCATION.       | LIMITS.   | Petition of          | Distance | Width | Date of petition. | Withdrawn. | Granted.      |
|-----------------|---|----------------------|----------|-------|-------------------|------------|---------------|
| Highland        | Hanover to Amherst.....   | Chas. C. Hayes, Ex.  | 370.00   | 50    | July 6, 1910      | .....      | July 20, 1910 |
| Josselyn        | Byron, southerly.....   | Wm. H. McElwain Co.  | 658.00   | 50    | July 27, 1910     | .....      | Aug. 25, 1910 |
| Varney          | Easterly terminus to 100 feet west of B. & M. R. R. right of way..... | Wm. H. McElwain Co.  | 319.00   | 50    | July 27, 1910     | .....      | Aug. 25, 1910 |
| Young road..... | Wilson to Hall.....   | Elliott Mfg. Co..... | 462.76   | 50    | May 20, 1910      | .....      | Aug. 22, 1910 |
|                 |   |                      | 1,849.76 |       |                   |            |               |

TABLE No. 11.  
HIGHWAYS LAID OUT IN 1910 BY THE BOARD OF MAYOR AND ALDERMEN.

| LOCATION.         | LIMITS.  | Length   | Width | Laid out.      | Petition of          | Date of petition. | Hearing recommended. |
|-------------------|--|----------|-------|----------------|----------------------|-------------------|----------------------|
| Annabell          | Mast road to Rockland avenue Union to Beech.....<br>Josselyn to 100 feet west of B. & M. R. R..... | 1,039.77 | 50    | Nov. 30, 1910  | John H. Groux.....   | April 14, 1910    | Aug. 22, 1910        |
| Bell              |  | 565.00   | 50    | Sept. 30, 1910 | Owen Markey.....     | Mar. 19, 1910     | July 20, 1910        |
| Byron             |  | 340.00   | 50    | Sept. 30, 1910 | Wm. H. McElwain Co.  | July 27, 1910     | Aug. 25, 1910        |
| Dubuque east back | Putnam to Sullivan.....  | 411.87   | 20    | June 27, 1910  | Arthur T. Beaumier   | April 4, 1910     | May 2, 1910          |
| Gates             | Dubuque to Rimmon.....   | 270.00   | 50    | Nov. 30, 1910  | William Ploss.....   | Sept. 17, 1910    | Oct. 25, 1910        |
| Grove             | Elm to Willow.....   | 220.27   | 50    | Jan. 11, 1910  | William Corcy.....   | Oct. 21, 1909     | To M. and A.         |
| Harvard           | Lincoln to Wilson.....   | 622.94   | 50    | Nov. 30, 1910  | Kimball Carriage Co. | June 13, 1910     | Oct. 25, 1910        |
| Highland          | Hanover to Amherst.....  | 310.00   | 50    | Sept. 30, 1910 | Chas. C. Hayes, Ex.  | June 6, 1910      | July 20, 1910        |
| Hillcrest         | Elm to Calef road.....   | 576.39   | 50    | June 27, 1910  | J. Henry Paige.....  | June 3, 1910      | To M. and A.         |
| Rimmon east back  | Kelley to Bremer.....  | 550.00   | 20    | June 27, 1910  | E. N. Fugers, M. D.  | Apr. 16, 1909     | May 2, 1910          |
| Willow            | Auburn to Grove.....   | 810.00   | 50    | Jan. 11, 1910  | William Corcy.....   | Oct. 21, 1909     | To M. and A.         |
| Youville          | Kelley to Bremer.....  | 650.00   | 50    | Sept. 6, 1910  | Louis W. Danicis...  | May 20, 1910      | July 28, 1910        |
|                   |  | 6,366.24 |       |                |                      |                   |                      |

TABLE No. 12.  
HIGHWAY GRADES ORDERED ESTABLISHED BY THE BOARD OF MAYOR AND ALDERMEN IN 1910.

| LOCATION.              | LIMITS.  | Distance | Width | Petition of                 | Date of petition. | Ordered passed |
|------------------------|--|----------|-------|-----------------------------|-------------------|----------------|
| Allen .....            | South Main to Boynton.....                     | 708.64   | 50    | Charles J. Tinker.....      | Feb. 5, 1910      | June 27, 1910  |
| Annabell .....         | Main road to Rockland avenue.....              | 1,039.77 | 50    | John H. Groux.....          | April 14, 1910    | Nov. 30, 1910  |
| Bell .....             | Union to Beech.....                            | 490.00   | 50    | Owen Markey.....            | Mar. 19, 1910     | Sept. 30, 1910 |
| Byron .....            | Brown av. to 100 ft. west of B. & M. R. R..... | 1,336.18 | 50    | Wm. H. McElwain<br>Co. .... | July 27, 1910     | Sept. 30, 1910 |
| Dubuque east back..... | Putnam to Sullivan .....                       | 411.87   | 20    | Arthur T. Beaumier          | April 4, 1910     | June 27, 1910  |
| Gates .....            | Dubuque to Rimmon.....                         | 220.00   | 50    | William Ploss.....          | Sept. 17, 1910    | Nov. 30, 1910  |
| Grove .....            | Elm to Willow.....                             | 220.75   | 50    | William Corey.....          | Oct. 21, 1909     | Jan. 11, 1910  |
| Harvard .....          | Lincoln to Wilson.....                         | 622.94   | 50    | Kimball Carriage Co.        | June 13, 1910     | Nov. 30, 1910  |
| Highland .....         | Hanover to Amherst.....                        | 310.00   | 50    | Chas. C. Hayes, Ex.         | June 6, 1910      | Sept. 30, 1910 |
| Hillcrest .....        | Elm to Calef road.....                         | 576.39   | 50    | J. Henry Paige.....         | June 3, 1910      | July 5, 1910   |
| Taylor .....           | Massabesic to Valley.....                      | 789.67   | 35-45 | S. A. Blood.....            | Sept. 2, 1910     | Sept. 30, 1910 |
| Willow .....           | Auburn to Grove.....                           | 760.00   | 50    | William Corey.....          | Oct. 21, 1909     | Jan. 11, 1910  |
| Youville .....         | Kelley to Bremer.....                          | 650.00   | 50    | Louis W. Daniels...         | May 20, 1910      | Sept. 6, 1910  |
|                        |  | 8,136.21 |       |                             |                   |                |



TABLE No. 13.  
MISCELLANEOUS PETITIONS, ACTED UPON BY THE BOARD OF MAYOR AND ALDERMEN DURING 1910.

| LOCATION.       | LIMITS.                                  | Distance | Width | Laid out.      | Discontinued.  | Petition of                 | Date of petition. | Hearing recommended. |
|-----------------|--|----------|-------|----------------|----------------|-----------------------------|-------------------|----------------------|
| Highland .....  | Hanover to Amherst....                   | 355.00   | 50    | .....          | Sept. 30, 1910 | Chas. C. Hayes, Ex.         | June 6, 1910      | July 20, 1910        |
| Josselyn .....  | Byron to Varney.....                     | 698.00   | 50    | .....          | Sept. 30, 1910 | Wm. H. McElwain<br>Co. .... | July 27, 1910     | Aug. 25, 1910        |
| Old Falls road. | Lake ave. to Belmont....                 | 180.00   | 50*   | .....          | Oct. 4, 1910   | Chas. A. Perkins....        | Sept. 16, 1910    | To M. and A.         |
| Taylor .....    | Massabesic to Valley....                 | 789.67   | 35-45 | Sept. 30, 1910 | .....          | S. A. Blood.....            | Sept. 2, 1910     | To M. and A.         |
| Varney .....    | Josselyn to west of H.<br>& M. R. R..... | 319.00   | 50    | .....          | Sept. 30, 1910 | Wm. H. McElwain<br>Co. .... | July 27, 1910     | Aug. 25, 1910        |
| Young road ...  | Wilson to Hall.....                      | 462.76   | 50    | .....          | Sept. 6, 1910  | Elliott Mfg. Co.....        | May 20, 1910      | Aug. 22, 1910        |
|                 |  | 2,804.43 |       |                |                |                             |                   |                      |

\*Average width.

ABSTRACT REPORT OF THE COMMITTEE ON SEWERS AND DRAINS FOR THE  
YEAR 1910.

## PERSONNEL OF THE COMMITTEE.

Alderman from Ward 3, Fred O. Parnell.

Alderman from Ward 5, Richard J. Barry.

Alderman from Ward 10, Peter J. Charron.

Clerk of the committee, Samuel J. Lord.

Tables Nos. 14, 15, 16, 17, 18, 19 and 20 have been compiled to be used in the annual report of the engineer's department in lieu of citing the records of the committee on sewers and drains in detail. The tables give information pertaining to the petitions, orders for sewers passed by the city councils, sewers built and not built up to January 1, 1911.

Table No. 14 is a list of petitions that have been acted upon during the year, also the manner in which and date when each petition was acted upon and disposed of by the committee.

Table No. 15 is a list of sewers ordered in up to January 1, 1910, giving the distances built, distances built in excess of order, and distances remaining unbuilt up to January 1, 1911.

Table No. 16 is a list of sewers ordered built during the year 1910, giving distances built, distances ordered in, that are unnecessary, and distances remaining unbuilt up to January 1, 1911.

Table No. 17 is a list of sewers built in 1910 not ordered in by the board of mayor and aldermen.

Table No. 18 is a list of pipe removed where sewers have been rebuilt.

Table No. 19 is a list of sewers ordered in but not built up to January 1, 1910. The table is compiled from the first, second, fourth and eighth columns of tables Nos. 15 and 16.

Table No. 20 is a summary of Tables Nos. 15 and 16.

TABLE No. 14.  
 PETITIONS ACTED UPON BY THE COMMITTEE ON SEWERS AND DRAINS DURING THE YEAR 1910.

| LOCATION.                  | LIMITS.                                 | Distance. | Petition of.               | Date of petition. | Withdrawn.    | Granted.       |
|----------------------------|---|-----------|----------------------------|-------------------|---------------|----------------|
| Agawam .....               | River road to Davis.....                | 240       | Mrs. Josephine Hagerly.    | Aug. 19, 1910     | .....         | Oct. 24, 1910  |
| Amory .....                | Congress to Kimball.....                | 450       | Thos. D. Paris.....        | Aug. 19, 1910     | .....         | Oct. 24, 1910  |
| Beech .....                | Concord to Lowell.....                  | 322       | Chas. B. Sturtevant.....   | May 20, 1910      | .....         | Oct. 24, 1910  |
| Beech east back .....      | Webster to Christian brook sewer.....   | 182       | M. E. Sanctuary.....       | May 7, 1907       | Oct. 24, 1910 | .....          |
| Bell south back.....       | Pine east back to Union.....            | 374       | Patrick Healey.....        | June 10, 1910     | .....         | June 30, 1910  |
| Brooklyn avenue.....       | Jewett to Cypress.....                  | 440       | Erick G. Johnson.....      | June 27, 1906     | Oct. 24, 1910 | .....          |
| Christian brook sewer..... | East of Beech to Beech east back.....   | 128       | M. E. Sanctuary.....       | May 7, 1907       | Oct. 24, 1910 | .....          |
| Cumberland .....           | Amory to Monitor.....                   | 650       | Richard Strobel.....       | Mar. 22, 1907     | Oct. 24, 1910 | .....          |
| Dix .....                  | Lincoln to Wilson.....                  | 670       | Patrick Welch.....         | May 13, 1908      | .....         | Oct. 24, 1910  |
| Frederick .....            | 175 ft. east of Second, easterly 75 ft. | 75        | Louis Kuhn.....            | May 14, 1908      | .....         | Oct. 24, 1910  |
| Harvard .....              | Lincoln to Wilson.....                  | 670       | Kimball Carriage Co.....   | June 13, 1910     | .....         | Oct. 24, 1910  |
| Harrison .....             | East of Linden to Hall.....             | 577       | John Sprague.....          | June 1, 1910      | .....         | Oct. 24, 1910  |
| Hayward .....              | Beech to Maple.....                     | 650       | Michael J. Clare.....      | June 27, 1910     | .....         | Oct. 24, 1910  |
| Hayward .....              | Porter to Kiley avenue.....             | 324       | George W. Turney.....      | May 14, 1908      | Oct. 24, 1910 | .....          |
| High .....                 | Highland to Jewett.....                 | 332       | W. A. Burgess.....         | Aug. 19, 1910     | .....         | Sept. 15, 1910 |
| Highland .....             | Bridge to East High.....                | 323       | George Albert Guertin..... | Aug. 25, 1910     | .....         | Oct. 24, 1910  |
| Hillside avenue .....      | Milford, southerly 176 feet.....        | 176       | Frank Pallmar.....         | Dec. 7, 1908      | .....         | Oct. 24, 1910  |
| Huntress .....             | McDuffie to Bank.....                   | 240       | August Schmalzuss.....     | Dec. 7, 1908      | .....         | Oct. 24, 1910  |
| Lincoln .....              | Silver to Harvard.....                  | 306       | Kimball Carriage Co.....   | June 13, 1910     | .....         | Oct. 24, 1910  |
| Lincoln .....              | Shasta to Dix.....                      | 479       | Patrick Welch.....         | May 13, 1908      | Oct. 24, 1910 | .....          |
| Longwood avenue.....       | Mammoth road to Revere avenue.....      | 631       | Adelard Labrecque.....     | Mar. 16, 1907     | Oct. 24, 1910 | .....          |
| Shasta .....               | Maple to Lincoln.....                   | 600       | C. H. Dennis.....          | Sept. 17, 1907    | .....         | Oct. 24, 1910  |
| Sullivan .....             | Thornton, westerly 500 feet.....        | 500       | Karl Gossler.....          | Apr. 1, 1910      | .....         | May 2, 1910    |
| Summer .....               | Hall to Belmont.....                    | 347       | Jerry Gustafson.....       | Apr. 25, 1910     | .....         | May 3, 1910    |
| Weston .....               | Bridge to Lowell.....                   | 687       | Phillip A. Baker.....      | Aug. 12, 1910     | .....         | Oct. 24, 1910  |
| Woodbine avenue.....       | Glenwood avenue to Candia road.....     | 1,111     | Frederick A. Piatts.....   | Mar. 16, 1909     | Oct. 24, 1910 | .....          |
| Youville .....             | Kelley, northerly 200 feet.....         | 200       | Louis W. Daniels.....      | May 20, 1910      | .....         | June 30, 1910  |
|                            |   | 11,320    |                            |                   |               |                |

TABLE No. 15.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1910.

| LOCATION.          | LIMITS.                   | Distance. | Date of order. | BUILT DURING 1910. |         | NOT NEEDED. | NOT BUILT. |
|--------------------|---------------------------|-----------|----------------|--------------------|---------|-------------|------------|
|                    |                           |           |                | Distance.          | Excess. |             |            |
| Adams              | Carpenter to Trenton.     | 531       | Dec. 19, 1902  |                    |         |             | 531        |
| Ainsworth avenue   | Hayward to Young.         | 155       | May 31, 1905   |                    |         |             | 155        |
| Amherst            | Union to Ashland.         | 2,600     | May 2, 1893    |                    |         |             | 2,600      |
| Albert             | Harrison to Brook.        | 386       | Jan. 23, 1906  |                    |         |             | 386        |
| Amory              | Aisace to Joliette.       | 252       | Oct. 7, 1902   | 192                |         |             | 60         |
| Auburn             | Cypress, easterly         | 300       | May 2, 1899    |                    |         |             | 300        |
| Auburn south back  | Hall, easterly            | 150       | Jan. 7, 1886   |                    |         |             | 150        |
| Baker              | Elm to Calf road          | 486       | Aug. 3, 1909   |                    |         |             | 486        |
| Bartlett           | Sullivan, southerly       | 127       | Mar. 6, 1908   |                    |         |             | 127        |
| Bay                | Clarke to Carpenter       | 683       | Apr. 14, 1903  |                    |         |             | 683        |
| Beacon             | Amherst to Concord        | 71        | Nov. 10, 1896  |                    |         |             | 71         |
| Beech              | Hayward to Hayward.       | 144       | Oct. 4, 1898   | 71                 |         |             | 73         |
| Beech              | Somerville to Sbasta.     | 192       | Nov. 23, 1906  |                    |         |             | 192        |
| Beech              | Bridge to Orange.         | 573       | Dec. 6, 1900   |                    |         |             | 573        |
| Belmont            | Old Bridge to Bridge.     | 200       | Jan. 7, 1898   |                    |         |             | 200        |
| Blaine             | Second to Hiram.          | 228       | Dec. 6, 1892   |                    |         |             | 228        |
| Blaine             | Second to Third.          | 107       | May 2, 1905    |                    |         |             | 107        |
| Bowman             | Mast to Millford.         | 455       | Oct. 7, 1902   |                    |         |             | 455        |
| Bridge             | Beacon to Weston.         | 54        | July 25, 1902  |                    |         |             | 54         |
| Bridge             | Weston to Highland.       | 550       | Apr. 24, 1907  |                    |         |             | 550        |
| Brook              | Maple to Oak.             | 192       | June 4, 1907   |                    |         |             | 192        |
| Byron              | Brown avenue to Josselyn. | 1,030     | Sept. 27, 1909 |                    |         |             | 1,030      |
| Calf road          | Baker, northerly          | 49        | June 4, 1901   |                    |         |             | 49         |
| Cedar south back   | Beech, westerly           | 175       | May 5, 1896    |                    |         |             | 175        |
| Cedar south back   | Maple to Lincoln.         | 96        | May 13, 1903   |                    |         |             | 96         |
| Central            | Milton to Beacon          | 307       | Sept. 6, 1898  |                    |         |             | 307        |
| Central south back | Chestnut to Union         | 860       | July 9, 1901   |                    |         |             | 860        |
| Charleston avenue  | Rochelle avenue to Brock. | 531       | June 12, 1906  |                    |         |             | 531        |
| Chester            | Lincoln to Ashland.       | 277       | July 5, 1904   |                    |         |             | 277        |
| Chestnut           | Carpenter to Trenton.     | 147       | Oct. 7, 1902   |                    |         |             | 147        |
| Clarke             | Elm to Chestnut           | 290       | Apr. 14, 1903  |                    |         |             | 290        |
|                    |                           |           |                | 508                | 23      |             |            |

|                       |  |                |       |
|-----------------------|--|----------------|-------|
| Clay                  | Union to Beech.....                        | 27, 1908       | 492   |
| Clay                  | Lincoln to Wilson.....                     | July 21, 1908  | 232   |
| Clay                  | Taylor to Cypress.....                     | July 21, 1908  | 246   |
| Colby                 | West Hancock to Log.....                   | July 26, 1899  | 270   |
| Columbus              | Amory southerly.....                       | Sept. 12, 1899 | 128   |
| Concord               | Pine east back to Union.....               | Feb. 2, 1904   | 152   |
| Concord               | Dutton, westerly.....                      | Sept. 6, 1887  | 97    |
| Concord               | Hall, easterly.....                        | Sept. 27, 1905 | 85    |
| Concord               | Weston to Hubbard.....                     | Aug. 3, 1909   | 101   |
| Cumberland            | Amory to Monitor.....                      | Sept. 27, 1905 | 156   |
| Dix                   | Wilson to Hall.....                        | July 15, 1904  | 89    |
| Dix                   | Taylor to Cypress.....                     | Sept. 4, 1894  | 412   |
| Dover                 | Clinton, northerly.....                    | Sept. 2, 1904  | 160   |
| Dutton                | Concord, easterly.....                     | May 6, 1890    | 300   |
| Elm                   | Railroad bridge to Elm avenue.....         | Feb. 4, 1896   | 300   |
| Elm                   | Monroe south back to Clarke.....           | July 14, 1896  | 1,285 |
| Elm                   | Treuton to Rowell.....                     | July 26, 1899  | 707   |
| Elm                   | Foster avenue.....                         | Sept. 5, 1893  | 448   |
| Frederick             | Valley to Hayward.....                     | Oct. 7, 1902   | 140   |
| Front                 | Second, easterly.....                      | Nov. 2, 1897   | 2,800 |
| Front                 | Eddy to north of hotel.....                | Dec. 19, 1902  | 52    |
| George                | North of Milford to Charleston avenue..... | July 25, 1902  | 200   |
| Grove south back..... | Wilson, easterly.....                      | Aug. 9, 1894   | 250   |
| Hall                  | Clay to Dix.....                           | Nov. 3, 1899   | 601   |
| Hall                  | Lowell to East High.....                   | Jan. 4, 1897   | 143   |
| Hall                  | Lowell to East High.....                   | Oct. 23, 1906  | 450   |
| Hall road             | Massabesic to Nelson.....                  | Sept. 1, 1896  | 350   |
| Hale                  | Schiller, southerly.....                   | Nov. 9, 1896   | 65    |
| Hanover               | Maple to Oak.....                          | Sept. 7, 1897  | 700   |
| Harrison              | East of Alfred to Highland.....            | May 17, 1906   | 148   |
| Harrison              | Linden, easterly.....                      | Feb. 5, 1907   | 389   |
| Harrison              | Belmont, westerly.....                     | Jan. 5, 1907   | 85    |
| Harvell               | Hale to South Main.....                    | Jan. 10, 1893  | 146   |
| Hayward               | Alsworth avenue to Cypress.....            | July 5, 1904   | 396   |
| Hayward               | Maple to Lincoln.....                      | June 5, 1904   | 184   |
| Hayward               | Union, easterly.....                       | June 26, 1903  | 192   |
| Hayward               | Wayne, northerly.....                      | Sept. 14, 1904 | 116   |
| Hevey east back.....  | South of Amory to Columbus avenue.....     | Nov. 3, 1903   | 142   |
| Hevey east back.....  | Kelley to Bremer.....                      | Aug. 5, 1898   | 163   |
| High, East            | Beacon to Weston.....                      | Sept. 27, 1909 | 285   |
| Hosley                | Grove to Summer.....                       | Nov. 23, 1906  | 150   |
| Hospital avenue.....  | Chase avenue to Massabesic.....            | Nov. 21, 1908  | 67    |
| Huntress              | Prince to McDuffie.....                    |                | 492   |
| Jones                 | Nelson to Benton.....                      |                |       |
| Josselyn              | Eyrton to Varney.....                      |                |       |
| Knowlton              | Hayward, southerly.....                    |                |       |
| Knowlton              | Hayward, southerly.....                    |                |       |



TABLE No. 15.—*Concluded.*

| LOCATION.             | LIMITS.                               | Distance. | Date of order. | BUILT DURING 1910. |         | NOT NEEDED. | NOT BUILT. |
|-----------------------|---------------------------------------|-----------|----------------|--------------------|---------|-------------|------------|
|                       |                                       |           |                | Distance.          | Excess. |             |            |
| Lincoln               | Silver to Clay                        | 248       | July 21, 1908  |                    |         |             | 248        |
| Main, South           | Schiller to Allen                     | 1,340     | Dec. 4, 1900   |                    |         |             | 1,340      |
| Mammoth road          | Hayward to No. 155                    | 15        | May 17, 1906   |                    |         |             | 15         |
| Mammoth road          | No. 155 to Young                      | 818       | Nov. 27, 1908  |                    |         |             | 818        |
| Mammoth road          | Massahsic to Nelson                   | 32        | May 2, 1899    |                    |         |             | 32         |
| Mammoth road          | Nelson, northerly                     | 500       | Aug. 5, 1898   |                    |         |             | 500        |
| Maple                 | Prospect to Harrison                  | 172       | Oct. 19, 1905  | 73                 |         |             | 99         |
| Massahsic             | Hall road to Mammoth road             | 831       | Mar. 2, 1899   |                    |         |             | 831        |
| Mast                  | Rochelle avenue to Brock              | 176       | Dec. 31, 1901  |                    |         |             | 176        |
| Mast road             | Wilkins, southerly                    | 176       | July 26, 1907  | 174                | 2       |             |            |
| Merrill               | Jewett, easterly                      | 34        | June 5, 1900   |                    |         |             | 34         |
| Montgomery east back. | Kelley to Bremer                      | 309       | Dec. 31, 1901  |                    |         |             | 309        |
| Oakland avenue        | Revere avenue to Woodland avenue      | 1,250     | Dec. 31, 1905  | 180                |         |             | 1,070      |
| Orange                | Belmont, westerly                     | 65        | Feb. 4, 1896   |                    |         |             | 65         |
| Pine                  | Silver to Plummer                     | 320       | Oct. 3, 1899   |                    |         |             | 320        |
| Pine east back        | Grove south back to Bell south back   | 43        | Nov. 27, 1908  | 43                 |         |             |            |
| Pine east back        | South of Concord to Concord           | 160       | Sept. 12, 1899 |                    |         |             | 160        |
| Prescott              | Maple, easterly                       | 21        | June 26, 1903  |                    |         |             | 21         |
| Prescott              | Hall, westerly                        | 80        | Oct. 1, 1907   |                    |         |             | 80         |
| Prospect              | Hall, easterly                        | 100       | Sept. 3, 1895  |                    |         |             | 100        |
| Reed east back        | Amory to Kelley                       | 104       | Oct. 1, 1907   |                    |         |             | 104        |
| Riley avenue          | South of Hayward, southerly 150 feet. | 75        | Aug. 6, 1909   |                    |         |             | 75         |
| Rimmon                | South of Wayne to Putnam              | 164       | Aug. 3, 1901   |                    |         |             | 164        |
| Rimmon east back      | Kelley to Mason                       | 800       | Sept. 7, 1897  |                    |         |             | 800        |
| River road            | Clarke to Park avenue                 | 26        | Nov. 2, 1897   | 26                 |         |             |            |
| Russell               | South of Bldget to Sagamore           | 770       | Oct. 3, 1899   |                    |         |             | 770        |
| Sagamore              | Chestnut to Pine                      | 362       | July 31, 1903  |                    |         |             | 362        |
| Sagamore              | Linden, easterly 150 feet.            | 50        | Sept. 7, 1909  |                    |         |             | 50         |
| Salmon                | Beech to Ash                          | 126       | Sept. 7, 1909  |                    |         |             | 126        |
| Schiller              | Hale to South Main                    | 850       | Nov. 10, 1896  | 142                |         |             | 708        |
| Somerville            | Union to Maple                        | 512       | Aug. 2, 1898   |                    |         |             | 512        |
| Somerville            | Hall to west of Cypress               | 386       | Dec. 19, 1902  | 202                |         |             | 184        |
| Somerville            | Jewett, easterly 250 feet.            | 250       | Aug. 3, 1909   |                    |         |             | 250        |
| Spruce, East          | Kenny, westerly                       | 95        | Apr. 2, 1907   |                    |         |             | 95         |



|                        |        |       |          |       |       |       |        |
|------------------------|--------|-------|----------|-------|-------|-------|--------|
| Sylvester .....        | 546    | July  | 26, 1899 | ..... | ..... | ..... | .....  |
| Taylor .....           | 75     | Oct.  | 2, 1900  | ..... | ..... | ..... | .....  |
| Thornton .....         | 155    | Mar.  | 6, 1906  | ..... | ..... | ..... | .....  |
| Union .....            | 299    | Nov.  | 27, 1908 | ..... | ..... | 302   | .....  |
| Union .....            | 180    | July  | 2, 1895  | ..... | ..... | ..... | .....  |
| Union .....            | 401    | Oct.  | 7, 1902  | ..... | ..... | ..... | .....  |
| Union east back .....  | 50     | Aug.  | 6, 1895  | ..... | ..... | ..... | .....  |
| Valley .....           | 133    | Jan.  | 4, 1897  | ..... | ..... | ..... | .....  |
| Varney .....           | 2,396  | Nov.  | 7, 1893  | ..... | ..... | ..... | .....  |
| Walnut .....           | 550    | Sept. | 27, 1909 | ..... | ..... | ..... | .....  |
| Walnut .....           | 105    | Jan.  | 29, 1897 | ..... | ..... | ..... | .....  |
| Walnut .....           | 204    | July  | 31, 1903 | ..... | ..... | ..... | .....  |
| Walnut east back ..... | 88     | Nov.  | 10, 1896 | ..... | ..... | ..... | .....  |
| Warner .....           | 150    | Aug.  | 3, 1909  | ..... | ..... | ..... | .....  |
| Wilkins .....          | 520    | Aug.  | 3, 1909  | ..... | ..... | ..... | .....  |
| William .....          | 522    | Oct.  | 3, 1899  | ..... | ..... | ..... | .....  |
| Willow .....           | 100    | Dec.  | 4, 1900  | ..... | ..... | ..... | .....  |
|                        | 44,350 |       |          | ..... | ..... | ..... | .....  |
|                        |        |       |          | 3,414 | 513   | 25    | 41,424 |

TABLE No. 16.  
SEWERS ORDERED IN DURING THE YEAR 1910.

| LOCATION.             | LIMITS.                                   | Distance. | Date of order. | BUILT DURING 1910. |         | NOT NEEDED. | NOT BUILT. |
|-----------------------|---|-----------|----------------|--------------------|---------|-------------|------------|
|                       |   |           |                | Distance.          | Excess. |             |            |
| Agawam .....          | River road to Davis .....                 | 240       | Dec. 6, 1910   | .....              | .....   | .....       | 240        |
| Amory .....           | Congress to Kimball .....                 | 450       | Dec. 6, 1910   | .....              | .....   | .....       | 450        |
| Beacon .....          | Concord to Lowell .....                   | 322       | Dec. 6, 1910   | 161                | .....   | .....       | 161        |
| Bell south back ..... | Pine east back to Union .....             | 374       | Aug. 2, 1910   | 374                | .....   | .....       | .....      |
| Cumberland .....      | Amory to Monitor .....                    | 650       | Dec. 6, 1910   | .....              | .....   | .....       | 650        |
| Dix .....             | Lincoln to Wilson .....                   | 670       | Dec. 6, 1910   | .....              | .....   | .....       | 670        |
| Frederick .....       | 175 feet east of Second, easterly 75 feet | 75        | Dec. 6, 1910   | .....              | 309     | .....       | .....      |
| Harrison .....        | East of Linden to Hall .....              | 577       | Dec. 6, 1910   | .....              | .....   | .....       | 577        |
| Harvard .....         | Lincoln to Wilson .....                   | 670       | Dec. 6, 1910   | .....              | .....   | .....       | 670        |
| Hayward .....         | Beech to Maple .....                      | 650       | Dec. 6, 1910   | .....              | .....   | .....       | .....      |
| High, East .....      | Highland to Jewett .....                  | 332       | Dec. 6, 1910   | .....              | .....   | .....       | .....      |
| Hillside avenue ..... | Milford, southerly 176 feet .....         | 176       | Dec. 6, 1910   | .....              | .....   | .....       | .....      |
| Huntress .....        | McDuffie to Bank .....                    | 240       | Dec. 6, 1910   | .....              | .....   | .....       | 240        |
| Lincoln .....         | Harvard to Silver .....                   | 306       | Dec. 6, 1910   | .....              | .....   | .....       | 306        |
| Shasta .....          | Maple to Lincoln .....                    | 600       | Dec. 6, 1910   | .....              | .....   | .....       | 600        |
| Sullivan .....        | Thornton, westerly 500 feet .....         | 500       | June 7, 1910   | .....              | .....   | .....       | 500        |
| Summer .....          | Hall to Belmont .....                     | 347       | June 27, 1910  | 100                | .....   | .....       | 247        |
| Weston .....          | Bridge to Lowell .....                    | 687       | Dec. 6, 1910   | .....              | .....   | .....       | 687        |
| Youville .....        | Kelley, northerly 200 feet .....          | 200       | Aug. 15, 1910  | .....              | .....   | .....       | 92         |
|                       |   | 8,066     |                | 108                | .....   | .....       | 7,248      |
|                       |   |           |                | 1,127              | 309     | .....       |            |

TABLE No. 17.  
SEWERS BUILT IN 1910 WITHOUT AN ORDER.

| LOCATION.              | LIMITS.                                      | Distance. |
|------------------------|--|-----------|
| Bedford .....          | Payson to Payson south back.....             | 100       |
| Beech .....            | Christian brook, northerly.....              | 533       |
| Boutwell .....         | Kelley, southerly .....                      | 232       |
| Brown avenue.....      | Vernon to Byron .....                        | 242       |
| Central, West .....    | State to Canal .....                         | 512       |
| Central, West .....    | Canal, westerly .....                        | 86        |
| Elm* .....             | North of Orange, northerly.....              | 255       |
| Frederick .....        | Second to Wentworth .....                    | 309       |
| Glenwood avenue .....  | Highland Park avenue to Woodland avenue      | 242       |
| Hanover .....          | East of Alfred, easterly.....                | 195       |
| Highland Park avenue.. | Glenwood avenue to Oakland avenue.....       | 451       |
| Kelley .....           | Laval to Boutwell.....                       | 250       |
| Longwood avenue .....  | Revere avenue to Woodbine avenue.....        | 500       |
| Main, South.....       | Schiller, southerly .....                    | 1,122     |
| Main, South.....       | Harvell, north and south .....               | 328       |
| Merrill .....          | Elm east back to Willow .....                | 144       |
| Newell south back..... | State to Bedford .....                       | 221       |
| Orchard avenue .....   | Oakland avenue to Candia road.....           | 662       |
| Payson south back..... | State to Bedford .....                       | 240       |
| Revere avenue.....     | Oakland avenue to Longwood avenue.....       | 308       |
| River road .....       | South of Park avenue, northerly.....         | 320       |
| River road .....       | Park avenue, northerly.....                  | 80        |
| Second .....           | Frederick, southerly .....                   | 44        |
| Shasta* .....          | Brown avenue, easterly .....                 | 40        |
| State .....            | Granite to 250 feet north of West Central... | 888       |
| Union .....            | Somerville to south of Clay.....             | 302       |
| Vernon .....           | Hamilton to Brown avenue.....                | 202       |
| Webster* .....         | Chestnut, westerly .....                     | 137       |
| Wentworth .....        | West Hancock to Frederick.....               | 141       |
| Wilkins .....          | Mast road to Warner.....                     | 16        |
| Woodbine avenue .....  | Longwood avenue, southerly.....              | 74        |
| Woodland avenue .....  | Glenwood avenue to Oakland avenue.....       | 465       |
|                        |  | 9,641     |

\* For cesspools.<sup>d</sup>

TABLE No. 18.  
PIPE REMOVED WHERE SEWERS HAVE BEEN RELAID.

| LOCATION.            | LIMITS.                       | PIPE REMOVED. |                 |                 | PIPE LAID. |                 |                 |
|----------------------|-------------------------------|---------------|-----------------|-----------------|------------|-----------------|-----------------|
|                      |                               | Material.     | Size in inches. | Length in feet. | Material.  | Size in inches. | Length in feet. |
| Pine east back ..... | Bell to Bell south back ..... | Akron.        | 8               | 83              | Akron.     | 15              | 83              |

TABLE No. 19.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1911.

| LOCATION.            | LIMITS.                                | Distance. | Date of order. |
|----------------------|--|-----------|----------------|
| Adams .....          | Carpenter to Trenton.....              | 531       | Dec. 19, 1902  |
| Agawam .....         | River road to Davis.....               | 240       | Dec. 6, 1910   |
| Ainsworth avenue...  | Hayward to Young.....                  | 155       | May 31, 1905   |
| Amherst .....        | Union to Ashland.....                  | 2,600     | May 2, 1893    |
| Albert .....         | Harrison to Brook.....                 | 366       | Jan. 23, 1906  |
| Amory .....          | Alsace to Joliette.....                | 60        | Oct. 7, 1902   |
| Amory .....          | Congress to Kimball.....               | 450       | Dec. 6, 1910   |
| Auburn .....         | Cypress, easterly.....                 | 300       | May 2, 1899    |
| Auburn south back..  | Hall, easterly.....                    | 150       | Jan. 7, 1896   |
| Baker .....          | Elm to Calef road.....                 | 486       | Aug. 3, 1909   |
| Bartlett .....       | Sullivan, southerly.....               | 127       | March 6, 1906  |
| Bay .....            | Clarke to Carpenter.....               | 683       | April 14, 1903 |
| Beacon .....         | Concord to Lowell.....                 | 161       | Dec. 6, 1910   |
| Beech .....          | Harvard to Hayward.....                | 144       | Oct. 4, 1898   |
| Beech .....          | Somerville to Shasta.....              | 192       | Nov. 23, 1906  |
| Beech .....          | Bridge to Orange.....                  | 573       | Dec. 6, 1900   |
| Belmont .....        | Old Bridge to Bridge.....              | 200       | Jan. 7, 1896   |
| Blaine .....         | Second to Hiram.....                   | 228       | Dec. 6, 1892   |
| Blaine .....         | Second to Third.....                   | 107       | May 2, 1905    |
| Bowman .....         | Mast to Milford.....                   | 455       | Oct. 7, 1902   |
| Bridge .....         | Beacon to Weston.....                  | 54        | July 25, 1902  |
| Bridge .....         | Weston to Highland.....                | 550       | April 24, 1907 |
| Brook .....          | Maple to Oak.....                      | 192       | June 2, 1907   |
| Byron .....          | Brown avenue to Josselyn.....          | 1,030     | Sept. 27, 1909 |
| Calef road .....     | Baker, northerly.....                  | 49        | June 4, 1901   |
| Cedar south back..   | Beech, westerly.....                   | 175       | May 5, 1896    |
| Cedar south back..   | Maple to Lincoln.....                  | 96        | May 13, 1903   |
| Central .....        | Milton to Beacon.....                  | 307       | Sept. 6, 1898  |
| Central south back.. | Chestnut to Union.....                 | 860       | July 9, 1901   |
| Chester .....        | Lincoln to Ashland.....                | 277       | July 5, 1904   |
| Chestnut .....       | Carpenter to Trenton.....              | 147       | Oct. 7, 1902   |
| Clarke .....         | Elm to Chestnut.....                   | 290       | April 14, 1903 |
| Clay .....           | Union to Beech.....                    | 492       | Nov. 27, 1908  |
| Clay .....           | Lincoln to Wilson.....                 | 232       | July 21, 1908  |
| Clay .....           | Taylor to Cypress.....                 | 246       | July 21, 1908  |
| Colby .....          | West Hancock to Log.....               | 270       | June 12, 1906  |
| Columbus .....       | Amory, southerly.....                  | 128       | July 26, 1899  |
| Concord .....        | Pine east back to Union.....           | 152       | Sept. 12, 1899 |
| Concord .....        | Dutton, westerly.....                  | 97        | Feb. 2, 1904   |
| Concord .....        | Hall, easterly.....                    | 86        | Sept. 6, 1887  |
| Concord .....        | Weston to Hubbard.....                 | 101       | Sept. 27, 1905 |
| Cumberland .....     | Amory to Monitor.....                  | 156       | Aug. 3, 1909   |
| Cumberland .....     | Amory to Monitor.....                  | 650       | Dec. 6, 1910   |
| Dix .....            | Lincoln to Wilson.....                 | 670       | Dec. 6, 1910   |
| Dix .....            | Wilson to Hall.....                    | 89        | Sept. 27, 1905 |
| Dix .....            | Taylor to Cypress.....                 | 442       | July 15, 1904  |
| Dover .....          | Clinton, northerly.....                | 160       | Sept. 4, 1894  |
| Dutton .....         | Concord, easterly.....                 | 300       | Feb. 2, 1904   |
| Elm .....            | Railroad bridge to Elm avenue.....     | 1,285     | May 6, 1890    |
| Elm .....            | Monroe south back to Clarke.....       | 707       | June 4, 1895   |
| Elm .....            | Trenton to Rowell.....                 | 448       | Feb. 4, 1896   |
| Foster avenue.....   | Valley to Hayward.....                 | 140       | July 14, 1896  |
| Front .....          | Eddy to north of hotel.....            | 2,800     | Sept. 5, 1893  |
| George .....         | North of Milford to Charleston av..... | 32        | Oct. 7, 1902   |
| Grove south back..   | Wilson, easterly.....                  | 200       | Nov. 2, 1897   |
| Hall .....           | Clay to Dix.....                       | 250       | Dec. 19, 1902  |
| Hall .....           | Lowell to East High.....               | 143       | July 25, 1902  |
| Hall road .....      | Massabesic to Nelson.....              | 601       | Aug. 5, 1893   |
| Hale .....           | Schiller, southerly.....               | 450       | Nov. 9, 1894   |
| Harrison .....       | Linden, easterly.....                  | 52        | Nov. 23, 1906  |
| Harrison .....       | Maple to Oak.....                      | 350       | Oct. 3, 1899   |
| Harrison .....       | East of Linden to Hall.....            | 577       | Dec. 6, 1910   |
| Harrison .....       | Belmont, westerly.....                 | 65        | Sept. 1, 1896  |

TABLE No. 19.—Continued.

| LOCATION.            | LIMITS.                             | Distance. | Date of order. |
|----------------------|-------------------------------------|-----------|----------------|
| Harvard              | Lincoln to Wilson                   | 670       | Dec. 6, 1910   |
| Harvell              | Hale to South Main                  | 700       | Nov. 9, 1894   |
| Hayward              | Beech to Maple                      | 650       | Dec. 6, 1910   |
| Hayward              | Ainsworth avenue to Cypress         | 148       | Sept. 7, 1897  |
| Hayward              | Maple to Lincoln                    | 389       | May 17, 1906   |
| Hayward              | Union, easterly                     | 85        | Feb. 5, 1907   |
| Hevey east back      | Wayne, northerly                    | 146       | Jan. 7, 1896   |
| Hevey east back      | South of Amory to Columbus ave.     | 396       | July 10, 1893  |
| Hevey east back      | Kelley to Bremer                    | 184       | June 4, 1901   |
| High, East           | Beacon to Weston                    | 192       | July 5, 1904   |
| High, East           | Highland to Jewett                  | 332       | Dec. 6, 1910   |
| Hillside avenue      | Milford, southerly 176 feet         | 176       | Dec. 6, 1910   |
| Hosley               | Grove to Summer                     | 116       | June 26, 1903  |
| Hospital avenue      | Chase avenue to Massabesic          | 142       | Sept. 14, 1904 |
| Huntress             | Prince to McDuffie                  | 163       | Nov. 3, 1903   |
| Huntress             | McDuffie to Bank                    | 240       | Dec. 6, 1910   |
| Jones                | Nelson to Benton                    | 235       | Aug. 5, 1898   |
| Josselyn             | Byron to Varney                     | 150       | Sept. 27, 1909 |
| Knowlton             | Hayward, southerly                  | 67        | Nov. 23, 1906  |
| Knowlton             | Hayward, southerly                  | 492       | July 21, 1908  |
| Lincoln              | Harvard to Silver                   | 306       | Dec. 6, 1910   |
| Lincoln              | Silver to Clay                      | 248       | July 21, 1908  |
| Main, South          | Schiller to Allen                   | 1,340     | Dec. 4, 1900   |
| Mammoth road         | Hayward to No. 155                  | 15        | May 17, 1906   |
| Mammoth road         | No. 155 to Young                    | 818       | Nov. 27, 1908  |
| Mammoth road         | Massabesic to Nelson                | 32        | May 2, 1899    |
| Mammoth road         | Nelson, northerly                   | 500       | Aug. 5, 1898   |
| Maple                | Prospect to Harrison                | 99        | Oct. 19, 1905  |
| Massabesic           | Hall road to Mammoth road           | 831       | March 2, 1899  |
| Mast                 | Rochelle avenue to Brock            | 176       | Dec. 31, 1901  |
| Merrill              | Jewett, easterly                    | 34        | June 5, 1900   |
| Montgomery east back | Kelley to Bremer                    | 309       | Dec. 31, 1901  |
| Oakland avenue       | Revere avenue to Woodland avenue    | 1,070     | Dec. 13, 1905  |
| Orange               | Belmont, westerly                   | 65        | Feb. 4, 1896   |
| Pine                 | Silver to Plummer                   | 320       | Oct. 3, 1899   |
| Pine east back       | South of Concord to Concord         | 160       | Sept. 12, 1899 |
| Prescott             | Maple, easterly                     | 21        | June 26, 1903  |
| Prescott             | Hall, westerly                      | 80        | Oct. 1, 1907   |
| Prospect             | Hall, easterly                      | 100       | Sept. 3, 1895  |
| Reed east back       | Amory to Kelley                     | 104       | Oct. 1, 1907   |
| Riley avenue         | South of Hayward southerly 150 ft   | 75        | Aug. 3, 1909   |
| Rimmon               | South of Wayne to Putnam            | 164       | Aug. 6, 1901   |
| Rimmon east back     | Kelley to Mason                     | 800       | Sept. 7, 1897  |
| Russell              | South of Blodget to Sagamore        | 770       | Oct. 3, 1899   |
| Sagamore             | Chestnut to Pine                    | 362       | July 31, 1903  |
| Sagamore             | Linden, easterly 150 feet           | 50        | Sept. 7, 1909  |
| Salmon               | Beech to Ash                        | 126       | Sept. 7, 1909  |
| Schiller             | Hale to South Main                  | 708       | Nov. 10, 1896  |
| Shasta               | Maple to Lincoln                    | 600       | Dec. 6, 1910   |
| Somerville           | Union to Maple                      | 512       | Aug. 2, 1898   |
| Somerville           | Hall to west of Cypress             | 184       | Dec. 19, 1902  |
| Somerville           | Jewett, easterly 250 feet           | 250       | Aug. 3, 1909   |
| Spruce, East         | Kenney, westerly                    | 95        | April 2, 1907  |
| Sullivan             | Thornton, westerly 500 feet         | 500       | June 7, 1910   |
| Summer               | Hall to Belmont                     | 247       | June 27, 1910  |
| Sylvester            | Milford to Avon                     | 546       | July 26, 1899  |
| Taylor               | South of Valley, southerly          | 75        | Oct. 2, 1900   |
| Thornton             | Wayne to Putnam                     | 155       | March 6, 1906  |
| Union                | Clarke to Trenton                   | 180       | July 2, 1895   |
| Union                | Trenton, northerly                  | 401       | Oct. 7, 1902   |
| Union east back      | South of Christian brook, southerly | 50        | Aug. 6, 1895   |
| Valley               | Cypress, westerly                   | 133       | Jan. 4, 1897   |
| Valley               | Elm to Wilson                       | 2,396     | Nov. 7, 1893   |
| Varney               | Josselyn to Merrimack river         | 550       | Sept. 27, 1909 |
| Walnut               | Salmon, southerly                   | 105       | Jan. 29, 1897  |



TABLE No. 19.—*Concluded.*

| LOCATION.           | LIMITS.                          | Distance. | Date of<br>order. |
|---------------------|----------------------------------|-----------|-------------------|
| Walnut .....        | Webster, northerly .....         | 168       | July 31, 1903     |
| Walnut east back... | Salmon, northerly .....          | 88        | Nov. 10, 1896     |
| Warner .....        | Wilkins, southerly 150 feet..... | 24        | Aug. 3, 1909      |
| Weston .....        | Bridge to Lowell.....            | 687       | Dec. 6, 1910      |
| Williams .....      | Milford to Mast.....             | 522       | Oct. 3, 1899      |
| Willow .....        | Silver to Baker .....            | 100       | Dec. 4, 1900      |
| Youville .....      | Kelley, northerly 200 feet.....  | 92        | Aug. 15, 1910     |
|                     |                                  | 48,692    |                   |

TABLE No. 20.

## SUMMARY.

|  |        |        |
|--|--------|--------|
| Table No. 15, column 3 (ordered in January 1, 1910).....               | 44,350 |        |
| Table No. 15, column 5 (built) .....                                   |        | 3,414  |
| Table No. 15, column 6 (built in excess of order).....                 | 513    |        |
| Table No. 15, column 7 (not needed) .....                              |        | 25     |
| Table No. 15, column 8 (not built) .....                               |        | 41,424 |
| Table No. 16, column 3 (ordered in during 1910).....                   | 8,066  |        |
| Table No. 16, column 5 (built) .....                                   |        | 1,127  |
| Table No. 16, column 6 (built in excess of order).....                 | 309    |        |
| Table No. 16, column 7 (not built) .....                               |        | 7,248  |
|  | 53,238 | 53,238 |
| Sewers built in 1910 of those ordered in to January 1, 1911, feet..... |        | 3,719  |
| Sewers built in 1910 without orders (feet).....                        |        | 9,641  |
| Sewers relaid in 1910 without orders (feet).....                       |        | 83     |
| Total length of sewers built in 1910 (feet).....                       |        | 13,443 |

## SEWERAGE SYSTEM.

Table No. 21 gives the location, material, size, length, manholes new, manholes rebuilt, lampholes new, lampholes removed, house connections and cesspool connections built during the year 1910.

Table No. 22 gives the material, size and length of all public sewers in the city of Manchester, January 1, 1911. This table gives the total length in feet of each size of sewer and the number of manholes on each size, also total length in feet and miles of each material.

Table No. 23 is a summary of the sewerage system by years from January 1, 1880, to January 1, 1911. It gives the length in miles constructed and cost each year, also the average cost per mile for each year. The third column gives the number of miles constructed to date each year. It is noted that on January 1, 1880, there were 17.06 miles constructed, the cost not being recorded. January 1, 1890, there were recorded 2,003 house connections; beginning with this date columns four and five give the number of connections recorded each year and the total number recorded to date each year.

TABLE No. 21.  
SEWERS BUILT IN 1910.

| LOCATION.             | LIMITS                                   | Material. | Size in inches. | Length in feet (new). | Length in feet (relaid). | Manholes (new). | Manholes (rebuilt). | Lampholes (new). | Lampholes (removed). | House connections. | Cesspool connections. |
|-----------------------|--|-----------|-----------------|-----------------------|--------------------------|-----------------|---------------------|------------------|----------------------|--------------------|-----------------------|
| Amory                 | Joliette, easterly                       | Akron     | 10              | 192                   | ..                       | ..              | ..                  | 1                | ..                   | 6                  | ..                    |
| Beacon                | South of Concord to north of Concord.    | "         | 10              | 232                   | ..                       | ..              | ..                  | 1                | ..                   | 7                  | ..                    |
| Bedford               | Payson to Payson south back.             | "         | 10              | 10                    | ..                       | ..              | ..                  | ..               | ..                   | ..                 | 1                     |
| Bedford               | Payson to Payson south back.             | "         | 8               | 90                    | ..                       | ..              | ..                  | 1                | ..                   | 7                  | ..                    |
| Beech                 | Christian brook, northerly               | "         | 12              | 217                   | ..                       | ..              | ..                  | 1                | ..                   | 11                 | ..                    |
| Beech                 | Christian brook, southerly               | "         | 12              | 316                   | ..                       | ..              | ..                  | 1                | ..                   | 12                 | ..                    |
| Beil south back.      | Pine east back to Union.                 | "         | 12              | 374                   | ..                       | ..              | ..                  | 1                | ..                   | 8                  | ..                    |
| Boutwell              | Kelley, southerly                        | "         | 10              | 232                   | ..                       | ..              | ..                  | 1                | ..                   | 6                  | 1                     |
| Brown avenue.         | Vernon to Byron.                         | "         | 10              | 242                   | ..                       | ..              | ..                  | 2                | ..                   | ..                 | ..                    |
| Central, West         | State to Canal.                          | "         | 24              | 160                   | ..                       | ..              | ..                  | 1                | ..                   | ..                 | ..                    |
| Central, West         | State to Canal.                          | "         | 20              | 154                   | ..                       | ..              | ..                  | 1                | ..                   | ..                 | ..                    |
| Central, West         | State to Canal.                          | "         | 18              | 38                    | ..                       | ..              | ..                  | 1                | ..                   | ..                 | ..                    |
| Central, West         | State to Canal.                          | "         | 15              | 160                   | ..                       | ..              | ..                  | 2                | ..                   | ..                 | ..                    |
| Central, West         | Canal, westerly                          | "         | 10              | 86                    | ..                       | ..              | ..                  | 1                | ..                   | 2                  | ..                    |
| Charleston avenue.    | Rochelle avenue, westerly                | "         | 10              | 309                   | ..                       | ..              | ..                  | 1                | ..                   | 6                  | ..                    |
| Charleston avenue.    | Rochelle avenue, westerly                | "         | 8               | 199                   | ..                       | ..              | ..                  | 1                | ..                   | 6                  | ..                    |
| Elm                   | North of Orange, northerly               | "         | 12              | 255                   | ..                       | ..              | ..                  | 2                | ..                   | ..                 | ..                    |
| Frederick             | Second to Wentworth.                     | "         | 15              | 559                   | ..                       | ..              | ..                  | 1                | 1                    | ..                 | ..                    |
| Glenwood              | Highland Park avenue to Woodland avenue. | "         | 24              | 242                   | ..                       | ..              | ..                  | 1                | ..                   | 17                 | ..                    |
| Hanover               | East of Alfred, easterly                 | "         | 10              | 329                   | ..                       | ..              | ..                  | 1                | ..                   | 10                 | ..                    |
| Highland Park avenue. | Glenwood avenue to Oakland avenue.       | "         | 12              | 461                   | ..                       | ..              | ..                  | 2                | ..                   | 18                 | 1                     |
| Kelley                | Laval to Boutwell.                       | "         | 24              | 250                   | ..                       | ..              | ..                  | 1                | ..                   | 6                  | ..                    |
| Longwood avenue       | Revere avenue to Woodbine avenue.        | "         | 10              | 500                   | ..                       | ..              | ..                  | 2                | ..                   | 12                 | ..                    |
| Main, South.          | Schiller, southerly                      | "         | 22              | 804                   | ..                       | ..              | ..                  | 2                | ..                   | ..                 | ..                    |
| Main, South.          | Schiller, southerly                      | "         | 8               | 318                   | ..                       | ..              | ..                  | ..               | ..                   | 10                 | ..                    |
| Main, South.          | Harvell, north and south.                | "         | 8               | 328                   | ..                       | ..              | ..                  | 1                | ..                   | 10                 | ..                    |
| Maple                 | Harrison, southerly                      | "         | 10              | 73                    | ..                       | ..              | ..                  | 1                | ..                   | 1                  | 1                     |
| Mast road             | Fogg avenue to Wilkins.                  | "         | 12              | 174                   | ..                       | ..              | ..                  | 2                | ..                   | 6                  | ..                    |
| Morrill               | Elm east back to Willow.                 | "         | 10              | 144                   | ..                       | ..              | ..                  | 1                | ..                   | ..                 | ..                    |
| Newell south back.    | State to Bedford                         | "         | 12              | 221                   | ..                       | ..              | ..                  | 2                | ..                   | 8                  | ..                    |



TABLE No. 22.  
MATERIAL, SIZE AND LENGTH OF SEWERS JANUARY 1, 1911.

| SIZE IN INCHES.  | Akron.  | Portland (old). | Portland (new). | Cement. | Earthen. | Brick. | Cast-iron. | Steel riveted. | Total feet. | Man-holes. |
|------------------|---------|-----------------|-----------------|---------|----------|--------|------------|----------------|-------------|------------|
| 6.....           | 330     |                 |                 |         |          |        |            |                | 330         | 1          |
| 8.....           | 14,620  | 90              | 601             | 7,437   |          |        | 24         |                | 15,335      | 25         |
| 9.....           | 126,050 | 3,960           | 11,730          |         | 1,175    |        | 90         |                | 7,437       | 1          |
| 10.....          | 105,257 |                 | 8,259           | 18,227  | 2,055    |        | 34         |                | 143,035     | 402        |
| 12.....          |         |                 |                 |         |          |        | 24         |                | 133,842     | 307        |
| 14.....          |         |                 |                 |         |          |        | 70         |                | 24          |            |
| 15.....          | 41,317  |                 | 5,338           | 490     |          |        |            |                | 47,215      | 162        |
| 18.....          | 6,328   | 770             | 1,815           | 860     |          | 4,867  |            |                | 14,640      | 44         |
| 20.....          | 15,254  |                 | 4,372           |         |          |        | 158        |                | 19,784      | 70         |
| 22.....          | 804     |                 | 958             |         |          |        |            |                | 1,762       | 7          |
| 24.....          | 24,811  |                 | 5,583           | 735     |          | 1,900  | 36         | 67             | 33,132      | 100        |
| 16x24            |         |                 |                 | 1,697   |          |        |            |                | 1,697       | 7          |
| 27.....          |         |                 | 465             |         |          | 1,600  |            |                | 465         | 3          |
| 29.....          |         |                 |                 |         |          | 506    |            |                | 465         | 3          |
| 36.....          |         |                 |                 |         |          | 446    |            |                | 1,600       |            |
| 42.....          |         |                 |                 |         |          | 1,195  | 277.5      | 39             | 822.5       |            |
| 44.....          |         |                 |                 |         |          |        |            |                | 446         |            |
| 48.....          |         |                 |                 |         |          |        |            |                | 1,195       | 1          |
| 57.....          |         |                 |                 |         |          |        |            |                | 372         | 2          |
| 60.....          |         |                 |                 |         |          | 1,400  |            |                | 1,400       | 2          |
| 17x26            |         |                 |                 |         |          | 285    |            |                | 285         | 1          |
| 20x30            |         |                 |                 |         |          | 1,506  |            |                | 1,506       | 4          |
| 22x33            |         |                 |                 |         |          | 1,197  |            |                | 1,197       | 5          |
| 24x36            |         |                 |                 |         |          | 849    |            |                | 849         | 3          |
| 26x39            |         |                 |                 |         |          | 11,051 |            |                | 11,051      | 39         |
| 29x44            |         |                 |                 |         |          | 514    |            |                | 514         | 2          |
| 30x46            |         |                 |                 |         |          | 4,530  |            |                | 4,530       | 10         |
| 32x48            |         |                 |                 |         |          | 1,360  |            |                | 1,360       | 1          |
| 36x54            |         |                 |                 |         |          | 3,279  |            |                | 3,279       | 10         |
| 38x57            |         |                 |                 |         |          | 1,067  |            |                | 1,067       | 4          |
| 40x54            |         |                 |                 |         |          | 4,388  |            |                | 4,388       | 8          |
| 42x63            |         |                 |                 |         |          | 790    |            |                | 790         | 4          |
| 50x75            |         |                 |                 |         |          | 3,104  |            |                | 3,104       | 9          |
|                  |         |                 |                 |         |          | 712    |            |                | 712         | 2          |
| Total feet.....  | 384,771 | 4,850           | 39,131          | 29,446  | 3,230    | 46,546 | 713.5      | 478            | 459,165.5   | 1,290      |
| Total miles..... | 63.404  | 0.919           | 7.411           | 5.577   | 0.611    | 8.816  | 0.135      | 0.09           | 86.963      |            |

TABLE No. 23.  
SUMMARY OF SEWERAGE SYSTEM SINCE 1880.

| YEAR.      | Miles constructed during year. | Miles constructed to date. | House connections recorded during year. | House connections recorded to date. | Cost of sewers. | Average cost per mile. |
|------------|--------------------------------|----------------------------|---|-------------------------------------|-----------------|------------------------|
| 1880.....  | 1.62                           | 18.66                      | .....                                   | .....                               | \$19,919.40     | \$12,295.92            |
| 1881.....  | 2.18                           | 20.84                      | .....                                   | .....                               | 23,895.12       | 10,961.06              |
| 1882.....  | 3.37                           | 24.21                      | .....                                   | .....                               | 24,148.13       | 7,165.65               |
| 1883.....  | 2.54                           | 26.75                      | .....                                   | .....                               | 21,452.05       | 8,445.69               |
| 1884.....  | 1.73                           | 28.48                      | .....                                   | .....                               | 21,548.60       | 12,445.84              |
| 1885.....  | 1.56                           | 30.04                      | .....                                   | .....                               | 28,122.84       | 18,027.46              |
| 1886.....  | 2.15                           | 32.19                      | .....                                   | .....                               | 44,479.15       | 20,687.97              |
| 1887.....  | 1.44                           | 33.63                      | .....                                   | .....                               | 19,893.92       | 13,815.22              |
| 1888.....  | 1.73                           | 35.36                      | .....                                   | .....                               | 31,154.19       | 18,008.20              |
| 1889.....  | 2.66                           | 38.02                      | .....                                   | 2,003                               | 27,513.73       | 10,343.51              |
| 1890.....  | 1.81                           | 39.83                      | 64                                      | 2,067                               | 39,297.97       | 21,711.58              |
| 1891.....  | 3.08                           | 42.91                      | 153                                     | 2,220                               | 55,409.73       | 17,990.17              |
| 1892.....  | 3.13                           | 46.04                      | 214                                     | 2,434                               | 39,724.65       | 12,691.68              |
| 1893.....  | 3.31                           | 49.35                      | 191                                     | 2,625                               | 51,392.15       | 15,526.33              |
| 1894.....  | 2.91                           | 52.26                      | 258                                     | 2,883                               | 46,116.01       | 15,847.42              |
| 1895.....  | 3.98                           | 56.24                      | 255                                     | 3,138                               | 71,859.36       | 18,055.11              |
| 1896.....  | 4.73                           | 60.97                      | 237                                     | 3,375                               | 66,408.87       | 14,099.33              |
| 1897.....  | *3.93                          | 64.44                      | 283                                     | 3,658                               | 36,258.41       | 9,226.05               |
| 1898.....  | *3.76                          | 67.62                      | 520                                     | 4,178                               | 34,939.51       | 9,292.42               |
| 1899.....  | *1.54                          | 69.03                      | 208                                     | 4,386                               | 16,683.39       | 10,819.31              |
| 1900.....  | *1.14                          | 70.17                      | 231                                     | 4,617                               | 13,748.41       | 12,091.58              |
| 1901.....  | 1.74                           | 71.91                      | 227                                     | 4,844                               | 14,724.39       | 8,462.29               |
| 1902.....  | *1.95                          | 73.46                      | 186                                     | 5,030                               | 20,973.05       | 10,755.41              |
| 1903.....  | 1.41                           | 74.87                      | 190                                     | 5,220                               | 17,330.32       | 12,291.00              |
| 1904.....  | *3.22                          | 76.75                      | 300                                     | 5,520                               | 25,574.79       | 11,520.17              |
| 1905.....  | *1.91                          | 78.51                      | 319                                     | 5,839                               | 23,437.19       | 12,270.78              |
| 1906.....  | *1.35                          | 79.69                      | 163                                     | 6,002                               | 21,313.20       | 15,787.55              |
| 1907.....  | *2.04                          | 81.63                      | 199                                     | 6,201                               | 25,631.95       | 12,564.68              |
| 1908.....  | *1.48                          | 83.03                      | 198                                     | 6,399                               | 12,818.59       | 8,661.21               |
| 1909.....  | *1.40                          | 84.43                      | 173                                     | 6,572                               | 16,055.97       | 11,468.55              |
| 1910.....  | *2.53                          | 86.96                      | 312                                     | 6,884                               | 30,124.03       | 11,906.73              |
| Total..... | .....                          | .....                      | .....                                   | .....                               | † \$941,949.07  | .....                  |

\* Includes old sewers relaid.

† Total cost for 31 years.

ABSTRACT REPORT OF THE BOARD OF EXAMINERS OF PLUMBERS.

In accordance with an act (chapter 55, Laws of 1899) passed by the New Hampshire state legislature, entitled "An act authorizing the examination of plumbers and regulating the practice of plumbing and house draining," a board of examiners of plumbers was appointed by the mayor as follows: William K. Robbins of the board of health, Christian L. Wolf, a master plumber, and Samuel J. Lord, chief engineer (William K. Robbins, president, and Samuel J. Lord, clerk).

Following is a statement of the expenditures of the board for the year 1910:

THE JOHN B. CLARKE CO.

July 27. To printing 300 reports, board of examiners of plumbers, bound in with engineer's department report, 5 pages @ 65c. per page ..... \$3.25

## JOHN B. VARICK CO.

Nov. 8. To 1 No. 20 Clayton & Lambert firepot..... \$4.00

## PIKE &amp; HEALD CO.

Jan. 11. To 68 lbs. lead pipe @ 8c..... \$5.44  
 2 4" brass ferrules @ 60c..... 1.20  
 2 4" hub ends @ 20c..... .40  
 12½ lbs. of solder @ 22c..... 2.75  
 2 gals. of gasoline @ 25c..... .50

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\$10.29

Mar. 16. To 2 gals. of gasoline @ 25c..... \$0.50

June 25. To 1 pc. 4" soil pipe, hub end..... \$0.20

July 30. To 30½ lbs. lead pipe @ 7¼c..... 2.22

12 lbs. wiping solder @ 24c... 2.88

1 4 x 4 brass ferrule..... .55

1 4" lt. hub end, 12"..... .20

---

\$6.05

Dec. 3. To 1 hub end 4" light soil pipe 13"  
 long ..... \$0.20

1 4" brass ferrule..... .55

20 lbs. 1¼" lead pipe @ 7¼c... 1.45

48½ lbs. 4" lead pipe @ 7¼c... 3.52

12 lbs. wiping solder @ 24c... 2.88

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\$8.60

## TEMPLE &amp; FARRINGTON CO.

Mar. 28. To binding 1 record of board of examiners  
 of plumbers for 1909..... \$0.85

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\$33.54

## SUMMARY.

Appropriated to the board of examiners of plumbers for  
 the year 1910 ..... \$50.00

Expenses of the board during the year.... \$33.54

Balance unexpended ..... 16.46

---

\$50.00 \$50.00

Renewal fees received for 41 plumbers' cer-  
 tificates @ 50c. each (a renewal fee of 50c.  
 is required by state law)..... \$20.50

Renewal fees received for 41 plumbers' li-  
 censes @ 50c. each (required by law)..... 20.50

Examination fee for 5 plumbers' licenses @  
 \$1.00 each (required by law)..... 5.00

Paid to the city treasurer (the state law re-  
 quires all fees to be paid into the city  
 treasury) ..... \$46.00

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\$46.00 \$46.00



Table No. 24 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumber's certificate. This table also gives the class of the certificate (master or journeyman), the number of the certificate, the dates of renewal, and expiration of the certificate, also the renewal fee paid by the applicant.

Table No. 25 gives the name, address and number of the application of each and every person making renewal application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, dates of renewal and expiration of the license, and also the renewal fee paid by the applicant.

Table No. 26 gives the name, address and number of application of each and every person making application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, dates of issue and expiration of the license, also fee paid by the applicant.

Table No. 27 is a summary of Tables Nos. 24, 25, and 26.

TABLE No. 24.  
PLUMBERS' CERTIFICATES RENEWED DURING THE YEAR 1910.

| NAME.                | RESIDENCE.                  | No. of application. | Renewal fee received. | Class of plumber. | No. of certificate. | Date of renewal. | Date of expiration. |
|----------------------|-----------------------------|---------------------|-----------------------|-------------------|---------------------|------------------|---------------------|
| Amlaw, Ashley A.     | 777 Grove                   | 19                  | \$0.50                | Master.           | 18                  | Aug. 31, 1910    | Aug. 31, 1911       |
| Bangs, Charles S.    | 251 Concord                 | 77                  | .50                   | "                 | 47                  | "                | "                   |
| Belanger, Arthur     | 96 Orange                   | 28                  | .50                   | Journeyman.       | 26                  | "                | "                   |
| Blood, Frank W.      | 397 Merrimack               | 76                  | .50                   | Master.           | 84                  | "                | "                   |
| Briggs, Thomas J.    | 60 Parker                   | 34                  | .50                   | "                 | 65                  | "                | "                   |
| Caron, Hermenegilde  | 60 McGregor                 | 63                  | .50                   | "                 | 77                  | "                | "                   |
| Cary, Thomas H.      | Chilley Building            | 101                 | .50                   | Journeyman.       | 71                  | "                | "                   |
| Clark, Charles H.    | 928 Beech                   | 100                 | .50                   | Master.           | 76                  | "                | "                   |
| Coleman, Michael J.  | 268 Walnut                  | 7                   | .50                   | "                 | 7                   | "                | "                   |
| Colby, James A.      | 286 Merrimack               | 105                 | .50                   | "                 | 82                  | "                | "                   |
| Connors, John A.     | 10 Grove St., Lowell, Mass. | 17                  | .50                   | Journeyman.       | 85                  | "                | "                   |
| Farrall, John D.     | 31 Amory                    | 89                  | .50                   | "                 | 83                  | "                | "                   |
| Florand, Joseph      | 97 Orange                   | 35                  | .50                   | "                 | 30                  | "                | "                   |
| Geisler, John        | 79 Turner                   | 33                  | .50                   | "                 | 29                  | "                | "                   |
| Goodwin, William E.  | Hooksett Road               | 41                  | .50                   | Master.           | 35                  | "                | "                   |
| Greer, Leslie C.     | Grasmere                    | 2                   | .50                   | Journeyman.       | 2                   | "                | "                   |
| Griffin, Frank W.    | 340 Harrison                | 26                  | .50                   | Master.           | 24                  | "                | "                   |
| Guiney, John J.      | Lake Shore Road             | 104                 | .50                   | Journeyman.       | 59                  | "                | "                   |
| Heald, Frank E.      | 289 Concord                 | 92                  | .50                   | Master.           | 70                  | "                | "                   |
| Knoetner, George     | 245 Railroad                | 46                  | .50                   | Journeyman.       | 36                  | "                | "                   |
| Knoetner, Oscar      | 326 Main                    | 69                  | .50                   | Master.           | 79                  | "                | "                   |
| Lane, Frank A.       | 731 Beech                   | 79                  | .50                   | "                 | 48                  | "                | "                   |
| Larkin, John F.      | 320 Cedar                   | 75                  | .50                   | "                 | 46                  | "                | "                   |
| Ladouceur, Albert V. | 585 Amory                   | 25                  | .50                   | Journeyman.       | 25                  | "                | "                   |
| Leighton, Frank D.   | 78 Liberty                  | 23                  | .50                   | Master.           | 61                  | "                | "                   |
| Lewis, Fred S.       | 165 Munnoth road.           | 40                  | .50                   | "                 | 30                  | "                | "                   |
| Longval, Delphis     | 21 Birch                    | 51                  | .50                   | Journeyman        | 68                  | "                | "                   |
| Marchand, Joseph F.  | 577 Rhinon                  | 55                  | .50                   | Master.           | 42                  | "                | "                   |
| Mayo, Albert F.      | 265 Belmont                 | 9                   | .50                   | Journeyman.       | 9                   | "                | "                   |
| McDonald, Charles F. | 24 Nashua                   | 5                   | .50                   | Master.           | 5                   | "                | "                   |
| McKenna, John J.     | 101 Amherst                 | 18                  | .50                   | Journeyman.       | 17                  | "                | "                   |
| McKenna, Daniel J.   | 101 Amherst                 | 65                  | .50                   | "                 | 92                  | "                | "                   |
| Merrill, Edwin W.    | 166 Blodget                 | 74                  | .50                   | Master.           | 54                  | "                | "                   |
| O'Brien, Martin      | 123 Amherst                 | 16                  | .50                   | "                 | 16                  | "                | "                   |
| O'Toole, Thomas J.   | 264 Grove                   | 60                  | .50                   | Journeyman.       | 86                  | "                | "                   |
| Rivard, Zephirim H.  | Hooksett Rd. R. F. D. No. 1 | 11                  | .50                   | "                 | 11                  | "                | "                   |
| Thornton, John J.    | 34 Old Bridge               | 45                  | .50                   | "                 | 87                  | "                | "                   |
| Wolf, Adolph A.      | 38 Clinton                  | 69                  | .50                   | "                 | 45                  | "                | "                   |
| Wolf, Christian L.   | 36 Clinton                  | 15                  | .50                   | Master.           | 15                  | "                | "                   |

TABLE No. 25.  
PLUMBERS' LICENSES RENEWED DURING THE YEAR 1910.

| NAME.                   | RESIDENCE.                    | No. of application. | Renewal fee received. | Class of plumber. | No. of license. | Date of renewal. | Date of expiration. |
|-------------------------|-------------------------------|---------------------|-----------------------|-------------------|-----------------|------------------|---------------------|
| Amlaw, Roy A.           | 777 Grove.....                | 71                  | \$0.50                | Journeyman.       | 52              | Aug. 31, 1910    | Aug. 31, 1911       |
| Belanger, Ernest.       | 333 Prospect.....             | 12                  | .50                   | "                 | 6               | "                | "                   |
| Bradley, John J.        | 16 Second, Amoskeug           | 45                  | .50                   | "                 | 33              | "                | "                   |
| Breton, Frank.          | 159 Manchester.               | 24                  | .50                   | "                 | 43              | "                | "                   |
| Brock, Ira C.           | 250 Walnut.                   | 23                  | .50                   | "                 | 18              | "                | "                   |
| Brown, William T.       | 278 Walnut.                   | 53                  | .50                   | "                 | 14              | "                | "                   |
| Chapman, John W.        | 890 Clay.....                 | 22                  | .50                   | "                 | 41              | "                | "                   |
| Clement, Joseph H.      | 13 Summer St., Laconia        | 39                  | .50                   | Master.           | 27              | "                | "                   |
| Corey, Edward C.        | 489 Pine                      | 31                  | .50                   | Journeyman.       | 20              | "                | "                   |
| Danielson, David W.     | 3 Stark                       | 92                  | .50                   | "                 | 64              | "                | "                   |
| Douglas, Ernest H.      | 253 Pearl                     | 66                  | .50                   | "                 | 47              | "                | "                   |
| Foster, Frederick F.    | 257 Massabesic                | 54                  | .50                   | Master            | 39              | "                | "                   |
| Gaudette, Alfred J.     | 601 Amory.                    | 17                  | .50                   | Journeyman.       | 13              | "                | "                   |
| Geoffrion, Ernest J.    | 165 Kelley.                   | 88                  | .50                   | "                 | 63              | "                | "                   |
| Greer, Cecil J.         | 1037 Elm                      | 73                  | .50                   | Master.           | 51              | "                | "                   |
| Grimaud, Alfred.        | Goffstown road.               | 52                  | .50                   | "                 | 38              | "                | "                   |
| Hartshorn, John E.      | 17 Prince.                    | 15                  | .50                   | "                 | 16              | "                | "                   |
| Henderson, John B.      | 168 Central.                  | 62                  | .50                   | Journeyman.       | 45              | "                | "                   |
| Honsfall, James W.      | 64 Dearborn.                  | 35                  | .50                   | Master.           | 40              | "                | "                   |
| Lacerte, Albert L.      | 581 Kilmnon                   | 27                  | .50                   | Journeyman.       | 13              | "                | "                   |
| Ladd, Arthur S.         | 201 Hanover                   | 85                  | .50                   | "                 | 59              | "                | "                   |
| Langer, Richard C.      | 36 Clinton.                   | 29                  | .50                   | "                 | 31              | "                | "                   |
| Langer, Richard C., Jr. | 36 Clitton.                   | 77                  | .50                   | Journeyman.       | 55              | "                | "                   |
| Lesperance, Arthur      | 412 Harvard                   | 87                  | .50                   | "                 | 61              | "                | "                   |
| Leazotte, James F.      | 24 Chase avenue.              | 76                  | .50                   | Master            | 54              | "                | "                   |
| Lewis, Albert M.        | 1166 Hayward                  | 26                  | .50                   | "                 | 17              | "                | "                   |
| Lycette, John J.        | 1208 Elm.                     | 78                  | .50                   | Journeyman.       | 57              | "                | "                   |
| Marston, Gardner E.     | 3 Morrison                    | 43                  | .50                   | Master.           | 30              | "                | "                   |
| McCue, Michael J.       | 107 High'd St., Milton, Mass. | 90                  | .50                   | "                 | 62              | "                | "                   |
| Mober, James.           | 739 Page.....                 | 75                  | .50                   | "                 | 53              | "                | "                   |
| McCourt, Patrick J.     | 203 Manchester                | 79                  | .50                   | Journeyman        | 58              | "                | "                   |
| McLaughlin, John T.     | 404 Lake avenue.              | 20                  | .50                   | Master.           | 11              | "                | "                   |
| Nealey, Chesley E.      | 13 Mechanic                   | 72                  | .50                   | "                 | 50              | "                | "                   |
| Raiche, Trefle.         | 286 Coolidge avenue.          | 5                   | .50                   | "                 | 7               | "                | "                   |
| Reidy, Timothy P.       | Wellington ave., Rox 221      | 81                  | .50                   | Journeyman.       | 56              | "                | "                   |
| Seaman, Carl O.         | 437 Hanover.                  | 4                   | .50                   | "                 | 1               | "                | "                   |
| Van Brocklin, George.   | 372 Lowell.....               | 44                  | .50                   | Master.           | 32              | "                | "                   |

TABLE No. 26.  
PLUMBERS' LICENSES GRANTED DURING 1910.

| NAME.                  | RESIDENCE.                     | No. of application. | Examination fee. | Class of plumber. | No. of license. | Date of issue. | Date of expiration. |
|------------------------|--------------------------------|---------------------|------------------|-------------------|-----------------|----------------|---------------------|
| Danielson, David W. C. | 3 Stark .....                  | 92                  | \$1.00           | Journeyman.       | 64              | July 26, 1910  | Aug. 31, 1910       |
| Donovan, Edward F.     | 28 Thorndyke St., Concord ..   | 86                  | 1.00             | "                 | 60              | Jan. 14, 1910  | " "                 |
| Dubois, Orlva.         | 581 Rimmon .....               | 95                  | 1.00             | "                 | 67              | Dec. 31, 1910  | " 1911              |
| Geoffrion, Ernest J.   | 165 Kelley .....               | 88                  | 1.00             | "                 | 63              | June 28, 1910  | " 1910              |
| Gillman, Harlan C.     | Stark Hotel .....              | 94                  | 1.00             | "                 | 66              | Dec. 31, 1910  | " 1911              |
| Lesperance, Arthur.    | 412 Harvard .....              | 87                  | 1.00             | "                 | 61              | Jan. 14, 1910  | " 1910              |
| McCue, Michael J.      | 107 Highland St., Milton, Mass | 90                  | 1.00             | Master.           | 62              | June 28, 1910  | " "                 |
| Murphy, William J.     | 154 Sagamore .....             | 93                  | 1.00             | Journeyman.       | 65              | Dec. 31, 1910  | " 1911              |

TABLE No. 27.  
SUMMARY OF TABLES Nos. 24, 25 and 26.

|   |   |    |
|---|---|----|
| Master plumbers' certificates renewed during the year 1910.....                             |   | 21 |
| Journeyman plumbers' certificates renewed during the year 1910.....                         |   | 18 |
| Master plumbers' licenses renewed during the year 1910.....                                 |   | 16 |
| Journeyman plumbers' licenses renewed during the year 1910.....                             |   | 21 |
| Master plumbers' licenses granted during the year 1910.....                                 | 1 |    |
| Journeyman plumbers' licenses granted during the year 1910.....                             | 7 |    |
| Plumbers' licenses granted after August 31, 1910 (not renewable until August 31, 1911)..... | 8 | 76 |
| Total certificates and licenses in force December 31, 1910.....                             |   | 3  |
|   |   | 79 |

## COST KEEPING.

The time book as kept by this office exhibits a complete record by days of each employee and the particular or several jobs each was engaged upon for each day during the year. This method has been in vogue since this department was created and will be continued.

In 1905 a new method (in this office) of keeping orders was begun, a card four by six inches being used, setting forth the nature of the order, date ordered, date done, and by whom done, transit and level books and plan reference (for convenience), and each card numbered. This method was originally intended to do away with the many inconveniences due to keeping orders in an order book. Beginning in May, 1906, the cost-keeping feature was added. This last method has proved satisfactory beyond expectation, a brief description of which follows:

Size of all cards five by eight inches; they are divided at the present time into eight classes of work, street and park commission (cards or orders), embracing all work done by this office for the street and park commissioners, which includes all streets, sewer and park work, and might properly be designated location and construction engineering.

Chief engineer (cards or orders) include all preliminary office or field work, street surveys, levels for profile, cross-section, estimates, plans, details, etc., for the street and park commission and individuals.

Miscellaneous (cards or orders) include the setting of all sidewalk grade, staking out street line for abutters on highways, and for the staking out of sidewalk construction for any property owner or contractor.

Cemeteries (cards or orders) include all preliminary location and office work done for cemeteries.

Highway bounds (cards or orders) include the work of setting bounds; it does not include the location of the points. This part of the work is done under chief engineer (cards or orders).

Street signs (cards or orders) include street sign work.

Street numbers (cards or orders) include measuring for street numbers, making numbering plans, assigning and putting on numbers.

Under office work, "stock" includes all drawing materials; under field work "stock" includes stakes, hubs, tacks, etc., each team is charged in the cost record at twenty cents per hour based on three hundred and twelve, seven and one half hour days per year.

This price will cover cost, repairs, keeping, interest, and replacing new every ten years.

Table No. 28 is a list of highway bounds set and reset during 1910, giving the location, material (concrete or granite), new or reset, cost of labor, team, stock (cost of bound), and total cost per bound; also average cost of concrete bounds and granite bounds.



Table No. 29 is a detailed statement of levels for street profile, and plan and profile work done under chief engineer (cards or orders). This table gives the location and limits of the several jobs, the length of distance covered, the number of lines of levels taken, the equivalent distance (under total distance) of a single line of levels, the cost of labor, team, and total cost of field work, the cost of labor, stock, and total cost of office work, and the total cost of field and office work of each job. This table is given in detail in order to show the actual cost of field and office work of each job.

Table No. 30 is a summary cost record of the cost of work done under miscellaneous (cards or orders), giving the number of orders, the location and descriptions of work, the party or parties ordering the work done, the cost of labor, team, stock, and total cost of field work, the cost of labor, stock and total cost of office work, and the total cost of field and office work.

Table No. 31 is a summary cost record of street sign work, giving the number of signs put up, cost of labor, team, stock, and total cost; also footnotes giving the average cost per sign of labor, team, stock, and total average cost per sign.

Table No. 32 is a summary of street number orders, giving the number of orders, cost of labor, team, stock, and total cost of street number work. This does not include the street number figures given out at the counter. (See matter under street numbers.)

Table No. 33 is a summary cost record of the cost of cemetery work, giving the number of orders for each cemetery where work was done, the cemetery, the cost of labor, stock, and total cost of office work done for each cemetery, the cost of labor, team, stock, and total cost of field work, and the total cost of office and field work for each cemetery. This work is done under cemeteries (cards or orders.)

Table No. 34 is a summary cost record of work done under street and park commissioners (cards or orders), giving the number of orders, description of work, cost of labor, team, stock, and total cost for each kind of work, as noted under the description of work. Following this table is given the cost of labor, team, stock, and total cost of preliminary field and office work, and cost of location field work and finished plans (estimated), setting forth the cost of sewer work engineering, and giving the percentage of cost of sewer work engineering to sewer work construction.

Table No. 35 is a summary of Tables Nos. 28, 29, 30, 31, 32, 33 and 34.

TABLE No. 28.  
COST RECORD—HIGHWAY BOUNDS SET DURING THE YEAR 1910.

| LOCATION.  | Removed. | Con-crete. | Granite. | Reset. | Labor. | Team.  | Stock. | Total. |
|--|----------|------------|----------|--------|--------|--------|--------|--------|
| Amherst and Union, southwest corner                    | .....    | .....      | 1        | .....  | \$1.95 | \$0.27 | \$1.25 | \$3.47 |
| Amherst and Lincoln, southeast corner                  | .....    | .....      | .....    | 1      | 2.22   | .40    | .....  | 2.62   |
| Amherst and Garmon, southeast corner                   | .....    | .....      | 1        | .....  | 2.56   | .40    | 1.26   | 4.22   |
| Amherst and Gertrude, southwest corner                 | .....    | .....      | 1        | .....  | 2.56   | .40    | 1.26   | 4.22   |
| Amory and Cartier, northeast corner                    | .....    | .....      | 1        | .....  | 1.78   | .30    | 1.25   | 3.33   |
| " " Dubuque, northwest corner                          | .....    | .....      | 1        | .....  | 1.78   | .30    | 1.25   | 3.33   |
| " " Hevey, northwest corner                            | .....    | .....      | 1        | .....  | 1.46   | .20    | 1.25   | 2.91   |
| " " Amory extension, northeast corner                  | .....    | .....      | 1        | .....  | 1.19   | .20    | 1.25   | 2.64   |
| " " north side, station 1, north of Alimory extension  | .....    | .....      | 1        | .....  | 1.19   | .20    | 1.25   | 2.64   |
| " " " " " "  | .....    | .....      | 1        | .....  | 1.19   | .20    | 1.25   | 2.64   |
| Annabell and Mast road, southwest corner               | .....    | .....      | 1        | .....  | 2.37   | .40    | 1.25   | 4.02   |
| " " and Rockland avenue, southeast corner              | .....    | .....      | 1        | .....  | 2.37   | .40    | 1.25   | 4.02   |
| Arlington and Maple, northeast corner                  | .....    | .....      | 1        | .....  | 1.78   | .30    | 1.25   | 3.33   |
| Ashland and East High, southwest corner                | .....    | .....      | 1        | .....  | 2.56   | .40    | 1.28   | 4.24   |
| Bay and Salmon, northwest corner                       | .....    | .....      | 1        | .....  | 1.25   | .20    | 1.25   | 2.70   |
| " " Webster, southeast corner                          | .....    | .....      | 2        | .....  | 2.41   | .40    | 1.25   | 4.06   |
| Blodget and Pine, northwest corner                     | .....    | .....      | 1        | .....  | 3.52   | .60    | 1.25   | 5.37   |
| " " " " northeast corner                               | .....    | .....      | 1        | .....  | 2.94   | .50    | 1.25   | 4.69   |
| Bridge and Pine, northeast corner                      | .....    | .....      | 1        | .....  | 2.37   | .40    | 1.25   | 4.02   |
| " " Union, northwest corner                            | .....    | .....      | 1        | .....  | 1.49   | .25    | 1.25   | 2.99   |
| " " Walnut, southeast corner                           | .....    | .....      | 1        | .....  | 1.49   | .25    | 1.25   | 2.99   |
| " " Maple, southeast corner                            | .....    | .....      | 1        | .....  | 1.78   | .30    | 1.25   | 3.33   |
| " " " " " "  | .....    | .....      | 1        | .....  | 1.78   | .30    | 1.25   | 3.33   |
| Chester and Lincoln, northeast corner                  | .....    | .....      | 1        | 1      | 2.22   | .40    | .....  | 2.62   |
| " " Ashland, southwest corner                          | .....    | .....      | 1        | .....  | 1.19   | .20    | 1.25   | 2.64   |
| Chestnut and Salmon, northeast corner                  | .....    | .....      | 1        | .....  | 1.83   | .27    | 1.25   | 3.35   |
| Cloyde and River road, northwest corner                | .....    | .....      | .....    | 1      | 2.31   | .40    | .....  | 2.77   |
| Concord and Union, southeast corner                    | .....    | .....      | 1        | .....  | 1.95   | .27    | 1.25   | 3.47   |
| " " " " southwest corner                               | .....    | .....      | 1        | .....  | 1.95   | .27    | 1.25   | 3.47   |
| Elm and Webster, northeast corner                      | .....    | .....      | 1        | .....  | 1.83   | .27    | 1.25   | 3.35   |
| F Everett and West Clarke, southeast corner            | .....    | .....      | 1        | .....  | 1.28   | .20    | 1.27   | 2.75   |
| Front, first P. C. north of Amoskeag street, east side | .....    | .....      | 1        | .....  | 1.31   | .20    | 1.26   | 2.77   |
| " " P. T. " "  | .....    | .....      | 1        | .....  | 1.31   | .20    | 1.25   | 2.76   |
| " " P. C. south of schoolhouse, east side              | .....    | .....      | 1        | .....  | 2.13   | .40    | 1.25   | 3.78   |
| " " " " angle south of brick store, east side          | .....    | .....      | 1        | .....  | 1.75   | .30    | 1.25   | 3.30   |
| " " " " angle north of hotel, east side                | .....    | .....      | 1        | .....  | 2.37   | .50    | 1.25   | 4.72   |
| " " at hotel, west side                                | .....    | .....      | 1        | .....  | 1.94   | .40    | 1.25   | 3.59   |
| " " second angle north of hotel, east side             | .....    | .....      | 1        | .....  | 1.75   | .30    | 1.25   | 3.30   |

|   |   |   |    |          |         |         |          |
|---|---|---|----|----------|---------|---------|----------|
| Front, third angle north of hotel, east side        | 1 |   |    | 1.46     | .30     | 1.25    | 3.01     |
| " " angle at Webster's, west side.                  | 1 |   |    | 1.45     | .20     | 1.25    | 2.91     |
| " " Martha Stearns', east side                      | 1 |   |    | 1.45     | .20     | 1.26    | 2.91     |
| Hall and Harvard, southwest corner.                 | 1 |   |    | 2.54     | .30     | 1.26    | 4.10     |
| Hanover and Grant, northeast corner.                | 1 |   |    | 2.37     | .40     | 1.25    | 4.02     |
| " " Mammoth road, northeast corner.                 | 1 |   |    | 2.56     | .40     | 1.26    | 4.22     |
| " " at Mead's greenhouse                            | 1 |   |    | 3.42     | .60     |         | 4.02     |
| Hayward and Foster avenue, northeast corner.        | 1 |   |    | 2.90     | .40     |         | 3.30     |
| High, East and Maple, southeast corner.             | 1 |   |    | 1.78     | .30     | 1.25    | 3.33     |
| Hooksett road, station, 42+79.83 east side          | 1 |   |    | 6.22     | .75     | .51     | 7.48     |
| " " west side                                       | 1 |   |    | 6.23     | .75     | .51     | 7.49     |
| " " *1  |   |   |    | 1.28     | .20     |         | 1.48     |
| " " 49+33.63, center                                |   |   |    | 2.56     | .40     | .01     | 2.97     |
| " " east side                                       |   |   |    | 4.98     | .60     | .51     | 6.09     |
| " " 47+53.89,                                       |   |   |    | 3.32     | .40     | .51     | 4.23     |
| " " 52+11.44,                                       |   |   |    | 2.37     | .50     |         | 2.87     |
| Hubbard and Hanover, northeast corner.              | 1 |   |    | 2.56     | .40     | .01     | 2.97     |
| Lincoln and Merrimack                               | 1 |   |    | 2.97     | .50     |         | 4.72     |
| Lowell and Beacon, southwest corner.                | 1 |   |    | 1.48     | .20     | 1.26    | 2.94     |
| Mast and Wilkins, northwest corner.                 | 1 |   |    | 1.78     | .30     | 1.25    | 3.33     |
| Merrimack and Hanover, southwest corner.            | 1 |   |    | 1.94     | .40     | 1.25    | 3.50     |
| Nashua and East High, northeast corner.             | 1 |   |    | 1.80     | .27     | 1.25    | 3.32     |
| Pine and Prospect, northeast corner.                | 1 |   |    | 2.36     | .40     | 1.25    | 4.61     |
| " " southeast corner                                | 1 |   |    | 1.28     | .20     | .02     | 1.50     |
| River road, angle opposite Monroe street, west side | 1 |   |    | 1.28     | .20     | 1.27    | 2.75     |
| " " first angle north of Monroe street, west side.  | 1 |   |    | 1.28     | .20     | 1.26    | 2.74     |
| Sagamore and Pine, southwest corner.                | 1 |   |    | 1.18     | .20     | 1.25    | 2.63     |
| Salmon, West, and River road, northeast corner.     | 1 |   |    | 1.94     | .40     | 1.25    | 3.59     |
| Stark avenue and Union, southwest corner            | 1 |   |    | 2.70     | .40     | 1.25    | 4.35     |
| Trenton and Union, southwest corner.                | 1 |   |    | 2.03     | .30     | 1.25    | 3.58     |
| Webster and Chestnut, northeast corner.             | 1 |   |    | 1.48     | .20     | .01     | 1.69     |
| Willow, west side, north end of shoe shop lot       | 1 |   |    | 1.18     | .30     | 1.25    | 2.63     |
|   | 1 | 4 | 54 | \$150.50 | \$23.62 | \$71.00 | \$245.12 |

\* Removed by grading of street, E. D. S. B.  
 † Private bound.

Bounds on hand January 1, 1910..... 67  
 Concrete bounds set..... 4  
 Granite bounds set..... 54  
 Total bounds set..... 58  
 Bounds on hand January 1, 1911..... 9

Cost of concrete bounds, \$0.50 each.  
 Cost of granite bounds, \$1.25 each.  
 Cost of team, \$0.20 per hour.  
 Average cost of 4 concrete bounds including setting, \$6.3225.  
 Average cost of 54 granite bounds including setting, \$3.5200.  
 Average cost of 58 bounds including setting, \$3.6234.





|   |       |        |        |        |        |        |        |        |
|---|-------|--------|--------|--------|--------|--------|--------|--------|
| Elm .....   | 675   | 3,375  | \$2.16 | \$ .40 | \$2.56 | \$ .93 | \$1.03 | \$3.59 |
| " east back .....   | 1,225 | 4,825  | 4.88   | .70    | 5.58   | 2.75   | 2.85   | 8.43   |
| Everett .....   | 3     | 1,830  | 2.85   | .50    | 3.35   | 1.44   | 1.49   | 4.28   |
| Frederick .....   | 610   | 1,830  | 2.85   | .50    | 3.35   | .88    | .93    |        |
| Front .....   | 6,300 | 18,900 | 22.93  | 3.00   | 25.93  | 13.00  | 13.60  | 39.53  |
| Black brook bridge to north of Country Club .....                 | 530   | 2,570  | 2.37   | .40    | 2.77   | .67    | .72    | 3.49   |
| Turner, westerly .....  | 3     | 3,150  | 5.12   | .80    | 5.92   | .54    | .59    | .39    |
| Hanover to Mammoth road .....                                     | 250   | 1,750  | 3.84   | .60    | 4.44   | 2.38   | 2.38   | 8.30   |
| State to Bedford .....  | 9,950 | 43,850 | 57.81  | 7.10   | 64.91  | 37.52  | 38.60  | 6.80   |
| Beacon to Candia Road .....                                       | 1,100 | 3,600  | 2.95   | .50    | 3.45   | 1.47   | 1.59   | 103.61 |
| Second to South Main .....  | 560   | 1,680  | 1.89   | .30    | 2.19   | .92    | 1.02   | 5.04   |
| Wilson to H. J. .....   | 420   | 1,260  | 1.13   | .40    | 2.53   | .73    | .78    | 3.21   |
| Hanover to Amherst .....  | 500   | 2,500  | 2.36   | .40    | 2.76   | 1.33   | 1.38   | 4.14   |
| Lake avenue to Hanover .....                                      | 650   | 3,250  | 2.23   | .40    | 2.63   | 1.83   | 1.83   | 4.56   |
| Maple to Lincoln .....  | 890   | 4,450  | 5.06   | .90    | 5.96   | 3.02   | 3.10   | 9.06   |
| Central to Manchester .....                                       | 350   | 1,050  | 1.48   | .20    | 1.68   | 1.10   | 1.20   | 2.88   |
| Boynnton to South Main .....                                      | 350   | 1,050  | 1.48   | .20    | 1.68   | 1.10   | 1.20   | 2.88   |
| McGregor, north .....   | 350   | 1,750  | 2.95   | .50    | 3.45   | .73    | .85    | 4.30   |
| Merrimack .....   | 650   | 3,250  | 2.23   | .40    | 2.63   | 1.83   | 1.83   | 4.56   |
| Milton .....  | 725   | 2,175  | 1.92   | .30    | 2.22   | 1.14   | 1.19   | 3.41   |
| Lake avenue to Laurel .....                                       | 200   | 600    | .61    | .10    | .71    | .73    | .76    | 1.47   |
| Kelley to Amory .....   | 200   | 600    | .61    | .10    | .71    | .73    | .76    | 1.47   |
| State to Bedford .....  | 200   | 600    | .61    | .10    | .71    | .73    | .76    | 1.47   |
| State to Bedford .....  | 200   | 600    | .61    | .10    | .71    | .73    | .76    | 1.47   |
| Wayne to Sullivan .....   | 1,550 | 7,950  | 5.76   | .90    | 6.66   | 3.70   | 3.85   | 10.51  |
| Glenwood av. to Candia rd. .....                                  | 1,165 | 3,495  | 3.60   | .60    | 4.20   | 1.63   | 1.73   | 5.93   |
| Revere ave. to Woodland av .....                                  | 1,300 | 4,800  | 3.33   | .80    | 4.13   | 2.20   | 2.32   | 6.45   |
| Oakland avenue .....  | 285   | 1,995  | 1.32   | .20    | 1.52   | 1.65   | 1.67   | 3.19   |
| Payson .....  | 520   | 1,680  | .61    | .10    | .71    | .73    | .76    | 1.47   |
| State to Bedford .....  | 520   | 1,680  | .61    | .10    | .71    | .73    | .76    | 1.47   |
| North to Salmon .....   | 530   | 1,370  | .83    | .10    | .93    | 1.33   | 1.33   | 2.26   |
| Pine east back .....  | 320   | 1,600  | 2.96   | .40    | 3.36   | 1.95   | 2.00   | 3.96   |
| Putnam .....  | 700   | 2,100  | 1.92   | .20    | 2.12   | 1.47   | 1.59   | 3.71   |
| Clark, northerly .....  | 1,325 | 3,075  | 3.22   | .50    | 3.72   | 1.20   | 1.20   | 4.92   |
| C. & P. E. to Candia road .....                                   | 550   | 2,750  | 2.64   | .60    | 3.24   | 1.47   | 1.52   | 4.76   |
| Conant to Gates .....   | 600   | 3,000  | 2.07   | .30    | 2.37   | 1.47   | 1.52   | 3.89   |
| West Salmon to West North of Agawam to North of Park avenue ..... | 565   | 1,115  | 1.66   | .20    | 1.86   | .92    | .97    | .68    |
| Elm to Chestnut .....   | 650   | 3,250  | 4.12   | .60    | 4.72   | 2.20   | 2.25   | 2.83   |
| Elm to Chestnut .....   | 950   | 5,100  | 4.24   | .60    | 4.84   | 2.75   | 2.85   | 6.97   |
| Elm to Amoskeag bridge .....                                      | 6,300 | 31,500 | 27.16  | 4.40   | 31.56  | 38.17  | 40.41  | 71.97  |
| Walker to South Main .....  | 300   | 900    | 1.76   | .40    | 2.16   | .55    | .55    | .55    |
| Belmont to Jewett .....   | 900   | 5,400  | 3.84   | .60    | 4.44   | 4.40   | 4.50   | 8.94   |
| North of Granite to north of West Central .....                   | 900   | 2,700  | 2.42   | .40    | 2.82   | 4.40   | 4.50   | 7.32   |
| Massabese to Valley .....   | 200   | 600    | 1.39   | .20    | 1.59   | .48    | .53    | 2.12   |
| Brown Ave. to Hamilton .....                                      | 300   | 900    | 1.76   | .40    | 2.16   | .92    | .97    | 3.13   |
| Everett to Elm .....  | 300   | 900    | 1.76   | .40    | 2.16   | .92    | .97    | 3.13   |

TABLE No. 29.—*Concluded.*

| LOCATION.              | LIMITS.                      | Distance | No. lines. | Total distance. | FIELD WORK. |         | OFFICE WORK. |          | Total cost. |          |          |
|------------------------|------------------------------|----------|------------|-----------------|-------------|---------|--------------|----------|-------------|----------|----------|
|                        |                              |          |            |                 | Labor.      | Team.   | Total.       | Labor.   |             | Stock.   | Total.   |
| Walnut .....           | Salmon to North .....        | 576      | 5          | 2,880           | 2.64        | \$.60   | \$3.24       | \$1.93   | \$.10       | \$2.03   | \$5.97   |
| " east back .....      | Salmon to North .....        | 575      | 3          | 1,725           | 1.92        | .30     | 2.22         | 1.90     | .05         | 1.95     | 4.17     |
| Wayne .....            | Main to Notre Dame ave ..    | 325      | 5-6        | 1,800           | 1.28        | .20     | 1.48         | 1.28     | .10         | 1.38     | 2.86     |
| Webster .....          | Elm to Chestnut .....        | 665      | 5          | 3,325           | 3.48        | .60     | 4.08         | 1.33     | .05         | 1.38     | 5.46     |
| Wilkins .....          | Main road to Rockland ave.   | 1,350    | 5          | 6,750           | 2.96        | .40     | 3.36         | 2.75     | .10         | 2.85     | 6.21     |
| Willow .....           | Hayward to Baker .....       | 2,720    | 3-5        | 11,900          | 6.68        | 1.20    | 7.88         | 5.46     | .17         | 5.63     | 13.51    |
| Winter place .....     | Elm to Elm west back .....   | 120      | 5          | 600             | 1.28        | .20     | 1.48         | .40      | ...         | .40      | 1.88     |
| Wilson east back ..... | Somerville to Clay .....     | 300      | 3          | 900             | 1.25        | .20     | 1.45         | 1.14     | .05         | 1.19     | 2.64     |
| Woodland avenue .....  | C. & P. R. R. to Candia road | 1,250    | 3          | 3,750           | 3.57        | .60     | 4.17         | 1.20     | ...         | 1.20     | 5.37     |
| Youville .....         | Kelley to Bremer .....       | 600      | 3          | 1,800           | 1.78        | .30     | 2.08         | .20      | .05         | .45      | 2.53     |
|                        |                              | 76,256   |            | 317,580         | \$323.15    | \$50.35 | \$373.50     | \$229.57 | \$9.88      | \$239.45 | \$612.95 |





TABLE No. 31.  
COST RECORD—STREET SIGNS.

| No. of signs. | Labor. | Team.  | Stock. | Total.  |
|---------------|--------|--------|--------|---------|
| 17*           | \$7.12 | \$1.68 | \$9.12 | \$17.92 |
| 17            | \$7.12 | \$1.68 | \$9.12 | \$17.92 |

Name of street painted on both sides of sign, sign secured in cast-iron hangers by two nails, and hanger fastened by four nails to trees, wooden electric light poles, wooden trolley poles and telephone poles. (Stock includes one sign, one sign hanger and six nails.)

\*Three signs given to private parties, without hangers.

|  |          |
|--|----------|
| Average cost of labor per sign for 14 signs..... | \$0.5085 |
| Average cost of team per sign for 14 signs.....  | .1200    |
| Average cost of stock per sign for 14 signs..... | .5700    |
| Total average cost per sign for 14 signs.....    | \$1.1985 |

TABLE No. 32.  
COST RECORD—STREET NUMBERS.

| No. of orders. | Labor.  | Team.  | Stock.  | Total.  |
|----------------|---------|--------|---------|---------|
| 189            | \$24.80 | \$4.47 | \$29.88 | \$59.15 |
| 189            | \$24.80 | \$4.47 | \$29.88 | \$59.15 |



TABLE No. 34.

COST RECORD—STREET AND PARK COMMISSIONERS' ORDERS.

| No. of orders. | DESCRIPTION OF WORK.                       | Labor.   | Team.    | Stock.  | Total cost. |
|----------------|--|----------|----------|---------|-------------|
| 16             | Building streets (paving lines and grades) | \$74.35  | \$12.60  | \$8.39  | \$95.34     |
| 52             | Corner curbing (lines and grades).....     | 166.35   | 26.90    | 11.77   | 205.02      |
| 1              | Derryfield park (lines and grades).....    | 2.16     | .40      | .....   | 2.56        |
| 104            | Gutter curbing (lines and grades).....     | 404.91   | 67.90    | 39.50   | 512.31      |
| 1              | Lafayette park (lines and grades) .....    | 51.15    | 7.50     | 1.95    | 60.60       |
| *53            | Sewers (lines and grades).....             | 163.04   | 27.20    | .11     | 190.35      |
| 227            |  | \$861.96 | \$142.50 | \$61.72 | \$1,065.18  |

The cost of sewer preliminary field and office work, location field and office work, and finished plans is as follows:

| DESCRIPTION.                     | Labor.   | Team.   | Stock.  | Total Cost |
|----------------------------------|----------|---------|---------|------------|
| Location field work.... ..       | \$163.04 | \$27.20 | \$0.11  | \$190.35   |
| Finished plans (estimated)*..... | 100.00   | .....   | 25.00   | 125.00     |
|                                  | \$263.04 | \$27.20 | \$25.11 | \$315.35   |

\*This work is done the first of the year following construction.

Expended by the Street and Park Commissioners in constructing sewers, \$30,124.03. (See table No. 23.)

Cost of engineering, \$315.35, or .0104 per cent.



To his Honor the Mayor, the board of aldermen, the gentlemen of the common council, and the various committees, with whom in the performance of my duties I have come in contact, I wish to express my appreciation of the assistance and support you have rendered to me during the year.

My acknowledgments are due the gentlemen of the street and park commission for their courtesy, consideration, and coöperation in matters in which we were mutually engaged.

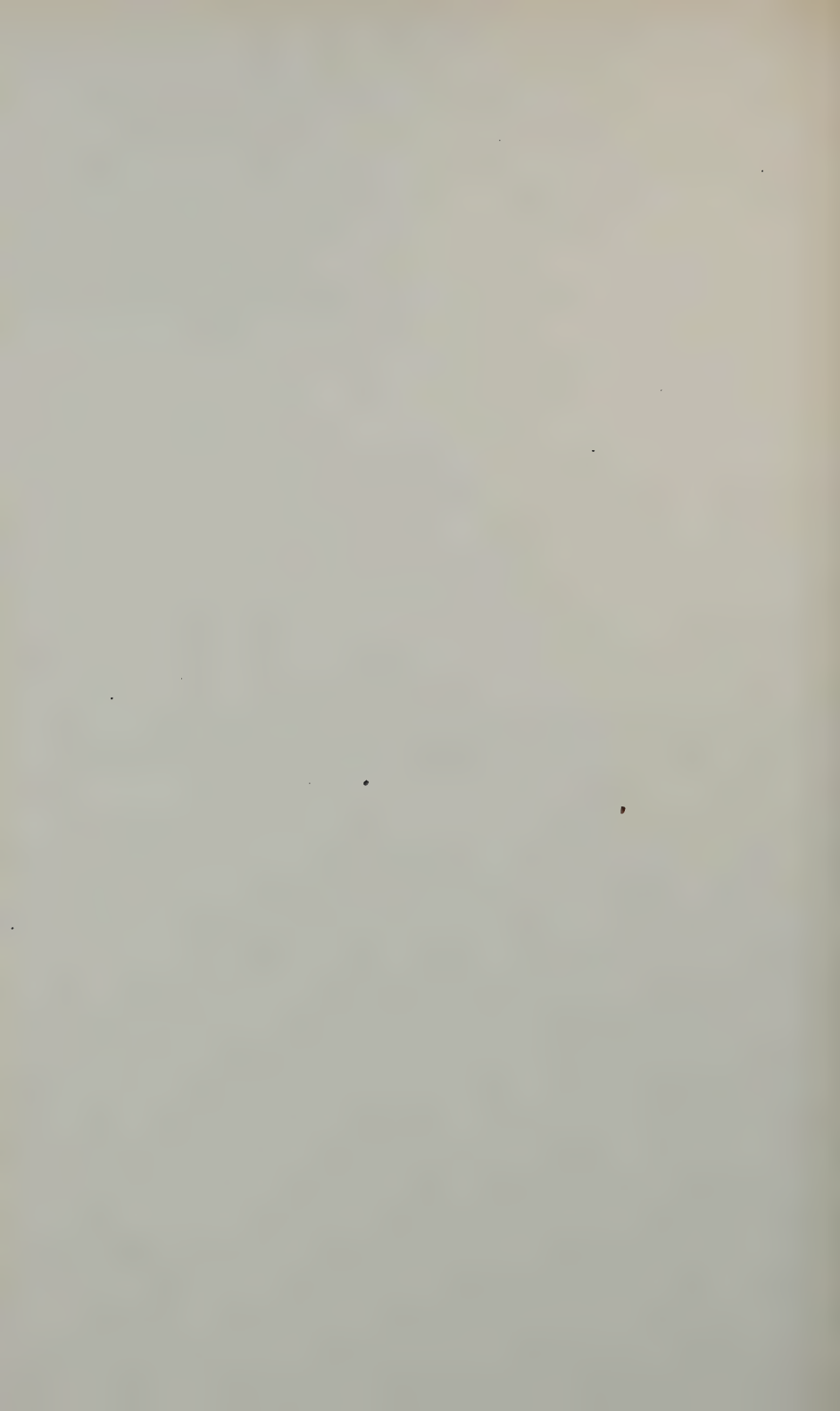
SAMUEL J. LORD,  
*Chief Engineer of the City.*



R E P O R T

OF THE

STREET AND PARK COMMISSIONERS.



# REPORT OF STREET AND PARK COMMISSIONERS.

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OFFICE OF THE BOARD OF STREET AND PARK COMMISSIONERS.

MANCHESTER, N. H., December 31, 1910.

*To His Honor the Mayor, the Board of Aldermen, and the Common Council  
of the City of Manchester, N. H.:*

GENTLEMEN:—We herewith submit the eighteenth annual report of the Board of Street and Park Commissioners, which comprises details of the operations conducted by the department during the year 1910.

WILLIAM McELROY,

BYRON WORTHEN,

SAMUEL J. LORD,

*Board of Street and Park Commissioners.*

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## Organization for the Year 1910.

WILLIAM McELROY, *Chairman.*

BYRON WORTHEN.

SAMUEL J. LORD, *Chief Engineer.*

### OFFICE.

E. Park Stevens, chief clerk (typewriter and bookkeeper) from May, 1910.

Harrie H. Clement, chief clerk (stenographer, typewriter, bookkeeper) January, 1910, to May, 1910.

Joseph W. McElroy, assistant clerk (January, 1910, to March, 1910).

Harry G. Sanford, assistant clerk (stenographer and typewriter, June, 1910).

Richard V. McAllaster, assistant clerk (stenographer and typewriter, July, 1910, to September, 1910).

Frank L. McAllister, assistant clerk.

### STREETS AND SEWERS.

George P. Ames, superintendent, District No. 2.

Harold M. Haskell, inspector and timekeeper, District No. 2 (from January to April 1, 1910).

Emile A. Blanchet, inspector and timekeeper, District No. 2 (from April, 1910).

Alphonse Laberge, superintendent, District No. 10.

John A. Gemmell, timekeeper, District No. 10.

Charles Francis, superintendent and timekeeper, District No. 7.

Shirley Merrill, superintendent and timekeeper, District No. 5.

Byron E. Moore, superintendent and timekeeper, District No. 4.

Lester C. Paige, superintendent and timekeeper, District No. 9.

#### SCAVENGER SERVICE AND STREET SWEEPING.

Levi J. Proctor, inspector (has charge of scavenger service and street sweeping).

#### PARKS AND COMMONS.

A. J. Seastrom, superintendent and timekeeper.

The Board of Street and Park Commissioners met at 2 o'clock P. M., daily, except Saturdays and holidays.

The following contracts were awarded by the board:

Brick, W. F. Head & Son, Hooksett, N. H.

Broken stone, Winchester Stone Company, 504 Sudbury building, Boston, Mass.

Brown-tail and gypsy moth, Daniel F. Cronin, Hooksett, N. H.

Cement, Henry W. Parker, Manchester, N. H.

City farm, leased from aldermanic committee on city farm.

City yard, Amoskeag Manufacturing Company, Manchester, N. H.

Elm street, Hanscom Construction Company, 79 Milk street, Boston, Mass.

Fence posts, B. F. Greer, Grasmere, N. H.

Granite curbing, Charles A. Bailey, Suncook, N. H.

Granite paving blocks, Palmer & Garmon, Manchester, N. H.

Iron castings, Concord Foundry & Machine Co., Concord, N. H.

Lake avenue, Robie Consolidated Concrete Company, Manchester, N. H.

Lafayette park, Hanscom Construction Company, No. 79 Milk street, Boston, Mass.

Lumber, B. F. Greer, Grasmere, N. H., and Dodge & Barnard, Goffstown, N. H.

Oats, Arthur S. Brown (2), Manchester, N. H.; F. H. Masse & Co. (1), Manchester, N. H., and McQuesten & Lewis (1), Manchester, N. H.

Plants, F. J. Bixby, Manchester, N. H.

River road sewer, James F. Cavanaugh, Manchester, N. H.

Second street, James F. Cavanaugh, Manchester, N. H.

Sewer pipe, Eastern Clay Goods Company, 79 Milk street, Boston, Mass.

Steam road roller, Buffalo Steam Roller Company, Boston, Mass.

Webster street, James F. Cavanaugh, Manchester, N. H.

Wood paving blocks, United States Wood Preserving Company, New York, N. Y.

Cash was paid into the city treasury for labor done or materials furnished (or both) by this department by persons, firms or corporations and credited to appropriations, as listed in the following schedule.

(All moneys are paid direct to the city treasurer and do not pass through the hands of the board.) For more detailed statements see credits under appropriations cited.

| NAME.                       | Appropriation.             | Cash.      | Total.      |
|-----------------------------|----------------------------|------------|-------------|
| Adams Bros .....            | Repairs of sewers.....     |            | \$38.26     |
| Bourque, Joseph L.....      | Repairs of sewers.....     |            | 1.75        |
| Brophy, Rev. John J.....    | Grading for concrete.....  |            | 40.00       |
| Burkavis, Albert .....      | Repairs of sewers.....     |            | 9.00        |
| Chase, E. M.....            | Repairs of sewers.....     |            | 1.13        |
| Eastern Clay Goods Co. .... | New sewers .....           | \$1,961.33 |             |
|                             | New sewers .....           | 1,080.56   |             |
|                             | New sewers .....           | 1,425.69   |             |
|                             |                            |            | 4,467.63    |
| Goodwin, William E.....     | Repairs of sewers.....     |            | 10.85       |
| Hunt, H. F.....             | Repairs of sewers.....     |            | 1.10        |
| Huse, James .....           | Repairs of sewers.....     |            | 3.52        |
| Indian Refining Co.....     | New highways .....         |            | 268.11      |
| Janelle, Victor .....       | Repairs of sewers.....     |            | 27.48       |
| Johnson, A. B.....          | New highways .....         |            | .74         |
| Katschker, Carl .....       | Repairs of sewers.....     |            | 6.80        |
| Kleiner, Richard .....      | Repairs of sewers.....     |            | 16.10       |
| Lincoln Memorial Asso.....  | New highways .....         |            | 312.90      |
| Lovell, Stanley K.....      | New highways .....         |            | 7.11        |
| Maiwald, Carl .....         | Repairs of sewers.....     |            | 7.97        |
| Manchester St. Railway..    | New highways .....         | \$1,460.38 |             |
|                             | New highways .....         | 1,199.25   |             |
|                             | New highways .....         | 1,153.48   |             |
|                             | New highways .....         | 391.90     |             |
|                             |                            |            | 4,205.01    |
| Manchester T. L. & P. Co..  | New highways .....         |            | 15.59       |
| Marchand, J. F.....         | Repairs of sewers.....     |            | 2.25        |
| McDonald, C. F.....         | Repairs of sewers.....     |            | 1.67        |
| Mendell, The J. H. Co.....  | New highways .....         |            | 9.60        |
| Parker, Henry W.....        | New highways .....         |            | 573.75      |
| People's Gas-light Co.....  | New highways .....         | \$413.99   |             |
|                             | New highways .....         | 320.55     |             |
|                             |                            |            | 734.54      |
| People's Gas-light Co.....  | Repairs of sewers.....     |            | 192.94      |
| Poirier, H. M.....          | City teams .....           |            | 120.00      |
| Police department.....      | Repairs of sewers.....     |            | 2.00        |
| Schneider, August.....      | Repairs of sewers.....     |            | 9.05        |
| Seastrom, John .....        | Derryfield park .....      |            | 15.50       |
| Stark mills .....           | Brown-tail and gypsy moths |            | 49.58       |
| Stevens & Bradley .....     | Repairs of sewers.....     |            | 7.88        |
| Tax collector .....         | Brown-tail and gypsy moths |            | 1,027.23    |
| Town of Litchfield, N. H..  | Repairs of sewers.....     |            | 19.50       |
| Valley cemetery trustees... | New highways .....         |            | 48.63       |
| Wagner, Adolph .....        | New highways .....         |            | 51.83       |
| Water commissioners .....   | Brown-tail and gypsy moths |            | 3.73        |
| Whittemore, A. F.....       | New highways .....         |            | 1.00        |
| Wilson, G. H. & Co.....     | City teams .....           |            | 259.90      |
| York, Geo. W.....           | New highways .....         |            | 1.56        |
|                             |                            |            | \$12,573.19 |

The office of the Board of Street and Park Commissioners has issued permits for opening highways during the year 1910, as follows:

|  |     |
|--|-----|
| Opening highways for the purpose of connecting with the sewer .....  | 136 |
| Opening highways for the purpose of repairing sewer connection ..... | 48  |
| Laying underground conduits, M. T. L. & P. Co.....                   | 4   |
| Repairing railroad gates .....                                       | 1   |
| Underground telephone connections.....                               | 17  |
| Laying drains .....  | 4   |
| Repairing water connection .....                                     | 1   |
| <hr/>  |     |
| Total permits granted for opening highways.....                      | 211 |

The People's Gas-light Company and the Water-works department make many openings during the year for the purpose of repairing water pipes, laying new pipe and making house connections. The People's Gas-light Company has refused to comply with the conditions required by the Board of Street and Park Commissioners in not making application for permission to open said highways, and until such time when the People's Gas-light Company will comply with the conditions required the board has not deemed it expedient to take the matter up with the Water-works department.

A form of application with conditions follows after list of permits to encumber highways.

The office of the Board of Street and Park commissioners has issued permits for encumbering highways during the year 1910 as follows:

|  |     |
|--|-----|
| For repairing buildings .....                                  | 55  |
| For erecting new buildings .....                               | 22  |
| For cutting trees .....  | 4   |
| For encumbering sidewalks .....                                | 17  |
| For removing snow from roofs.....                              | 40  |
| <hr/>  |     |
| Total number of permits granted for encumbering highways ..... | 138 |

(Form of application for permission to encumber or open a highway and conditions upon which permission is granted.)

CITY OF MANCHESTER.

BOARD OF STREET AND PARK COMMISSIONERS.

(City Seal.)

Office. City Hall.

Application to encumber or open a highway.

Application is hereby made for permission to .....

.....



for the purpose of.....

.....

Permission to begin .....

and to terminate .....

The applicant hereby agrees to the following conditions provided the permission herein applied for is granted:

1. The Board of Street and Park Commissioners may revoke the permit at any time.

2. Excavations, obstructions or encumbrances shall at all times be properly guarded, barricaded or fenced during the whole time the highway is excavated, and lights shall be maintained throughout the night so that all excavations, obstructions and encumbrances may be readily seen.

3. The applicant hereby agrees to indemnify and save harmless the city of Manchester, N. H., for all claims of damage or injury whatsoever that may arise from the excavation, obstruction, encumbrance or occupation of said highway, and the applicant shall be accountable for all damage that may occur on account of said excavation, obstruction or encumbrance of the aforesaid highway; the city of Manchester in no case assuming any responsibility or liability by reason of granting permission as herein applied for.

4. Shade trees shall not be cut down, cut, trimmed or otherwise injured by said applicant.

5. The highway shall be left in as good condition and repair at the expiration of the permit as existed when said permit was granted.

6. The Board of Street and Park Commissioners may restore the highway or cause the same to be restored under their direction, and the applicant shall reimburse the city for any and all liability and expense suffered by reason of such work.

Dated .....

(Signed)

.....

(Applicant.)

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.

| LOCATION.                | LIMITS.                                 | Date.       | POLE LOCATIONS. |          |
|--------------------------|---|-------------|-----------------|----------|
|                          |   |             | Granted.        | Revoked. |
| Adams, North, west side. | Clarke, northerly                       | July 12     | 3               | 2        |
| Adams, North, west side. | Carpenter, northerly                    | July 12     | 11              |          |
| Adams, North, west side. | Clark to Carpenter                      | July 12     | 1               |          |
| Adams, south side.       | Noire Dame avenue east back, west side. | January 31  |                 | 5        |
| Amberst, south side.     | Maple to Lincoln.                       | January 31  | 2               |          |
| Amberst, south side.     | Milton, westerly                        | January 31  | 4               |          |
| Amberst, south side.     | Beacon to Hubbard                       | January 31  | 3               |          |
| Amberst, south side.     | Ashland, westerly                       | January 31  | 3               |          |
| Amberst, south side.     | Ashland, easterly                       | January 31  | 1               |          |
| Amberst, south side.     | About 100 feet east of Maple.           | January 31  | 4               |          |
| Amberst, south side.     | Dutton to Lincoln.                      | January 31  |                 | 3        |
| Amberst, south side.     | Beech to Walnut                         | April 29    |                 | 1        |
| Amberst, south side.     | Maple to Ash.                           | April 29    |                 | 3        |
| Amberst, south side.     | Ashland to Hall.                        | April 29    |                 |          |
| Amberst, north side.     | Pine east back to Union.                | April 29    | 3               |          |
| Amberst, north side.     | Maple, westerly                         | April 29    | 1               |          |
| Amberst, north side.     | Hall, westerly                          | April 29    | 4               |          |
| Amberst, north side.     | Milton, west side.                      | April 29    | 1               |          |
| Amberst, north side.     | Beech east back to Maple.               | April 29    | 1               |          |
| Amory, south side.       | Columbus, westerly                      | January 31  | 2               |          |
| Amory, south side.       | Columbus, easterly                      | January 31  | 2               |          |
| Amory, south side.       | Columbus, westerly                      | January 31  |                 | 2        |
| Amory, south side.       | Columbus, easterly                      | January 31  |                 | 2        |
| Amory, south side.       | Elm, westerly about 100 feet.           | January 31  |                 | 1        |
| Amory, south side.       | Elm, easterly about 300 feet.           | January 31  |                 | 1        |
| Amory, south side.       | Elm, westerly about 200 feet.           | February 10 |                 | 1        |
| Amory, south side.       | Elm, easterly about 200 feet.           | February 10 |                 | 1        |
| Amory, south side.       | Easterly to Hookset town line.          | April 29    | 18              |          |
| Amory, south side.       | Maple, easterly                         | February 10 | 2               |          |
| Amory, south side.       | Nashua, westerly                        | February 10 | 1               |          |
| Amory, south side.       | Nashua, easterly                        | February 10 | 1               |          |
| Amory, south side.       | Between Russell and Warren.             | February 10 | 1               |          |
| Amory, south side.       | Ashland to Morrison                     | February 10 | 1               |          |
| Amory, south side.       | Warren, westerly                        | April 29    | 4               |          |
| Amory, south side.       | Warren to Linden.                       | April 29    | 2               |          |
| Amory, south side.       | Linden to Ashland.                      | April 29    | 1               |          |
| Amory, south side.       | Ashland to Morrison                     | April 29    | 4               |          |

|                                    |  |   |                  |   |
|------------------------------------|--|---|------------------|---|
| Arlington, north side.....         | Ashland to Linden.....                   | n | April 23.....    | 1 |
| Arlington, north side.....         | Linden to Warren.....                    | n | April 29.....    | 2 |
| Arlington, north side.....         | Warren to Russell.....                   | n | April 29.....    | 1 |
| Arlington, north side.....         | Maple to Nashua.....                     | n | December 14..... | 4 |
| Arlington, north side.....         | Russell to Ashland.....                  | n | December 14..... | 3 |
| Arlington, north side.....         | Warren to Warren.....                    | n | December 14..... | 2 |
| Arlington, north side.....         | Warren to Linden.....                    | n | December 14..... | 2 |
| Arlington, north side.....         | Linden to Ashland.....                   | n | December 14..... | 2 |
| Arlington, north side.....         | Ashland to Morriss.....                  | n | December 14..... | 3 |
| Arlington, north side.....         | Maple to Nashua.....                     | n | December 14..... | 3 |
| Arlington, south side.....         | Nashua to Russell.....                   | n | December 14..... | 2 |
| Arlington, south side.....         | Russell to Warren.....                   | n | December 14..... | 3 |
| Arlington, south side.....         | Warren to Linden.....                    | n | December 14..... | 2 |
| Arlington, south side.....         | Linden to Ashland.....                   | n | December 14..... | 1 |
| Arlington, south side.....         | Ashland to Morriss.....                  | n | December 14..... | 4 |
| Arlington, south side.....         | Russell to Warren.....                   | n | December 14..... | 1 |
| Arlington, north side.....         | Warren to Linden.....                    | n | December 14..... | 1 |
| Arlington, north side.....         | Linden to Ashland.....                   | n | December 14..... | 2 |
| Ash, east side.....                | Lowell, northerly.....                   | m | January 31.....  | 1 |
| Ash east back, west side.....      | Harrison, northerly.....                 | m | January 31.....  | 2 |
| Ash east back, west side.....      | Brook, southerly.....                    | m | January 31.....  | 3 |
| Ash east back, east side.....      | Lowell to Bridge.....                    | m | January 31.....  | 3 |
| Ash east back.....                 | Lowell to Bridge.....                    | m | July 15.....     | 7 |
| Ashland, west side.....            | Hanover to Chester.....                  | n | July 15.....     | 8 |
| Ashland, west side.....            | Chester to Amherst.....                  | n | December 14..... | 1 |
| Ashland, west side.....            | Amherst to Concord.....                  | n | December 14..... | 1 |
| Ashland, west side.....            | East High to Bridge.....                 | n | December 14..... | 2 |
| Ashland, east side.....            | Amherst to Concord.....                  | n | December 14..... | 3 |
| Ashland, east side.....            | Amherst to Concord.....                  | n | December 14..... | 4 |
| Ashland, east side.....            | Hanover to Amherst.....                  | n | December 14..... | 3 |
| Ashland, east side.....            | Concord to Lowell.....                   | n | December 14..... | 3 |
| Ashland, east side.....            | Lowell to East High.....                 | n | December 14..... | 3 |
| Ashland, east side.....            | East High to Bridge.....                 | n | December 14..... | 3 |
| Auburn south back, north side..... | Union, easterly.....                     | m | December 14..... | 3 |
| Auburn, West, north side.....      | Franklin, easterly.....                  | m | January 31.....  | 2 |
| Auburn, West, south side.....      | Elm to Franklin.....                     | m | April 29.....    | 1 |
| Auburn, West, south side.....      | Canal, easterly.....                     | n | April 29.....    | 2 |
| Auburn south back, south side..... | Pine east back to Union.....             | n | April 29.....    | 2 |
| Barlett, east side.....            | Putnam to Sullivan.....                  | n | April 29.....    | 4 |
| Bay east back, east side.....      | Sagamore, northerly.....                 | m | April 29.....    | 2 |
| Bay, west side.....                | North, northerly.....                    | m | January 31.....  | 1 |
| Bay, east side.....                | Carpenter, southerly about 300 feet..... | m | February 10..... | 3 |
| Beacon, east side.....             | Fast High to Bridge.....                 | m | February 10..... | 1 |
| Beacon, east side.....             | Hanover, north.....                      | n | April 29.....    | 2 |
| Beech, east side.....              | Bridge, southerly.....                   | m | August 30.....   | 1 |
| Beech east back, east side.....    | Lowell, northerly about 300 feet.....    | m | January 31.....  | 3 |
| Beech east back, east side.....    | Concord to Amherst.....                  | m | February 10..... | 1 |
|                                    |  | n | April 29.....    | 3 |

## POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—Continued.

| LOCATION.                       | LIMITS.                          | Date.            | POLE LOCATIONS. |          |
|---------------------------------|----------------------------------|------------------|-----------------|----------|
|                                 |                                  |                  | Granted.        | Revoked. |
| Beech east back, east side..... | Lowell, northerly .....          | August 16.....   | 3               | .....    |
| Belmont, east side.....         | Massabesic to Summer .....       | January 31.....  | .....           | 5        |
| Belmont, east side.....         | Massabesic to Summer .....       | January 31.....  | 7               | .....    |
| Belmont, west side.....         | Old Bridge, southerly .....      | January 31.....  | 1               | .....    |
| Belmont, east side.....         | Young, northerly .....           | January 31.....  | 1               | .....    |
| Belmont, east side.....         | Young, southerly .....           | January 31.....  | 2               | .....    |
| Belmont, east side.....         | Pearl to Meade .....             | April 29.....    | 3               | .....    |
| Belmont, east side.....         | Concord to Lowell .....          | April 29.....    | 2               | .....    |
| Belmont, west side.....         | Amherst to Concord .....         | December 14..... | 3               | .....    |
| Belmont, east side.....         | Concord to Lowell .....          | December 14..... | 4               | .....    |
| Belmont, east side.....         | Lowell to East High .....        | December 14..... | 3               | .....    |
| Belmont, east side.....         | East High, northerly .....       | December 14..... | 1               | .....    |
| Belmont, west side.....         | Amherst to Concord .....         | December 14..... | .....           | 2        |
| Belmont, west side.....         | Concord to Lowell .....          | December 14..... | .....           | 2        |
| Belmont, west side.....         | Lowell to East High .....        | December 14..... | .....           | 3        |
| Benton, south side.....         | Mammoth road to Jones .....      | January 31.....  | 4               | .....    |
| Benton, south side.....         | Jones, westerly .....            | January 31.....  | 3               | .....    |
| Blodget, south side.....        | Elm east back, easterly .....    | February 10..... | 1               | .....    |
| Bowman, south side.....         | Marboro, southerly .....         | February 28..... | 2               | .....    |
| Bremer, south side.....         | Rimmon, easterly .....           | July 12.....     | 1               | .....    |
| Bremer, south side.....         | Rimmon, west side.....           | July 12.....     | 1               | .....    |
| Bridge, West, north side.....   | West end of McGregor bridge..... | January 31.....  | 1               | .....    |
| Bay, east side.....             | North, northerly .....           | February 28..... | 2               | .....    |
| Bay, west side.....             | North, northerly .....           | February 28..... | .....           | 3        |
| Bridge, Old, northwesterly..... | Belmont to Hall.....             | April 29.....    | 3               | .....    |
| Bridge, south side.....         | Maple to Nashua .....            | April 29.....    | 2               | .....    |
| Bridge, south side.....         | Nashua to Malvern .....          | April 29.....    | 2               | .....    |
| Bridge, south side.....         | Beacon, easterly .....           | April 29.....    | .....           | 1        |
| Bridge, south side.....         | Ashland to Buzzell.....          | April 29.....    | 3               | .....    |
| Bridge, south side.....         | Buzzell to Hall.....             | April 29.....    | 2               | .....    |
| Bridge, south side.....         | Beacon, east side.....           | April 29.....    | 2               | .....    |
| Bridge, south side.....         | Nashua to Malvern .....          | April 29.....    | 1               | .....    |
| Bridge, south side.....         | Malvern to Ashland .....         | December 14..... | .....           | 3        |
| Bridge, south side.....         | Ashland to Buzzell.....          | December 14..... | .....           | 6        |
| Bridge, south side.....         | Buzzell to Hall.....             | December 14..... | .....           | 3        |
| Bridge, north side.....         | Maple to Nashua .....            | December 14..... | .....           | 4        |
| Bridge, north side.....         | Maple to Nashua .....            | December 14..... | 3               | .....    |



|                                     |   |   |                  |    |
|-------------------------------------|---|---|------------------|----|
| Bridge, north side.....             | Nashua to Buzzell.....                  | n | December 14..... | 3  |
| Bridge, north side.....             | Russell to Warren.....                  | n | December 14..... | 2  |
| Bridge, north side.....             | Warren to Linden.....                   | n | December 14..... | 2  |
| Bridge, north side.....             | Linden to Ashland.....                  | n | December 14..... | 6  |
| Brook, south side.....              | Ashland to Hall.....                    | n | December 14..... | 1  |
| Brook, south side.....              | Albert, westerly.....                   | n | April 29.....    | 3  |
| Brook, south side.....              | Chestnut to Pine.....                   | n | April 29.....    | 4  |
| Brown avenue, east side.....        | Chocoy place, northerly.....            | m | May 3.....       | 1  |
| Byron, northerly.....               | Josselyn to B. & M. R. R.....           | m | December 29..... | 3  |
| Byron, northerly.....               | B. & M. R. R., westerly.....            | m | December 29..... | 1  |
| Candia road, northerly.....         | About 125 feet from Mammoth road.....   | m | June 10.....     | 1  |
| Candia road, south side.....        | Park, easterly.....                     | m | January 31.....  | 23 |
| Carpenter, north side.....          | Elm to Chestnut.....                    | m | April 26.....    | 4  |
| Carroll, east side.....             | Milford, northerly about 100 feet.....  | m | February 28..... | 1  |
| Cedar, south side.....              | Putnam to Schuyler.....                 | m | March 18.....    | 8  |
| Chase avenue, west side.....        | Wilson, easterly.....                   | m | November 22..... | 8  |
| Chester, south side.....            | Hayes avenue, southerly.....            | m | January 31.....  | 2  |
| Chestnut, east side.....            | Lincoln, easterly.....                  | m | January 31.....  | 1  |
| Chestnut, east side.....            | Carpenter to Trenton.....               | m | April 29.....    | 2  |
| Chestnut, west side.....            | Orange, north side.....                 | m | February 10..... | 1  |
| Chestnut, west side.....            | North, northerly.....                   | m | February 10..... | 2  |
| Chestnut, east back, east side..... | Sagamore to Salmon.....                 | m | January 31.....  | 4  |
| Chestnut, east side.....            | Clarke to Carpenter.....                | m | May 3.....       | 11 |
| Chestnut, west side.....            | Clarke to Carpenter.....                | m | May 3.....       | 1  |
| Chilley road, north side.....       | Hall, westerly.....                     | n | April 29.....    | 1  |
| Clarke avenue, west side.....       | Orange, south side.....                 | n | February 10..... | 1  |
| Clay, north side.....               | Taylor to Cypress.....                  | m | July 18.....     | 7  |
| Clay, north side.....               | Cypress to Jewett.....                  | m | July 18.....     | 3  |
| Cleveland, southerly.....           | Hiram to Third.....                     | m | February 28..... | 7  |
| Cobas avenue, south side.....       | Mammoth road.....                       | n | April 29.....    | 2  |
| Concord, north side.....            | Southeast corner of city reservoir..... | m | January 31.....  | 1  |
| Concord, south side.....            | Belmont, west.....                      | m | January 31.....  | 3  |
| Concord, south side.....            | Beacon, westerly.....                   | m | January 31.....  | 5  |
| Concord, north side.....            | Maple to Dutton.....                    | m | April 29.....    | 6  |
| Concord, north side.....            | Ashland to Hall.....                    | m | April 29.....    | 13 |
| Corning road, north side.....       | Derry road to Conant road.....          | m | January 31.....  | 1  |
| Concord, north side.....            | Ashland, west side.....                 | n | April 29.....    | 2  |
| Concord, north side.....            | Hall to Belmont.....                    | n | April 29.....    | 4  |
| Concord, north side.....            | Belmont to Beacon.....                  | n | April 29.....    | 2  |
| Concord, north side.....            | Ash east back, easterly.....            | n | April 29.....    | 3  |
| Concord, north side.....            | Maple to Maple east back.....           | n | April 29.....    | 3  |
| Concord, north side.....            | Maple east back to Dutton.....          | n | April 29.....    | 1  |
| Derry road, west side.....          | Between Derry and Porter.....           | m | April 29.....    | 49 |
| Douglas, north side.....            | Mammoth road to Corning road.....       | m | January 31.....  | 4  |
|                                     | Turner, westerly.....                   | m | February 28..... | 4  |

## POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—Continued.

| LOCATION.                         | LIMITS.                                | Date.            | POLE LOCATIONS. |          |
|-----------------------------------|--|------------------|-----------------|----------|
|                                   |  |                  | Granted.        | Revoked. |
| Douglas, south side.....          | Dover, westerly .....                  | February 28..... | 1               | .....    |
| Douglas north back.....           | Main, easterly .....                   | February 28..... | 3               | .....    |
| Douglas, south side.....          | Barr, westerly .....                   | January 31.....  | 1               | .....    |
| Dubuque east back, east side..... | Kelley, northerly .....                | July 12.....     | 4               | .....    |
| Dutton, northwesterly side.....   | Amherst to Concord .....               | April 29.....    | 1               | .....    |
| Elm, east side.....               | Carpenter, northerly .....             | April 26.....    | 2               | .....    |
| Elm, east side.....               | Sagamore, southerly .....              | April 26.....    | 2               | .....    |
| Elm, east back.....               | West Clarke, southerly .....           | January 31.....  | 3               | .....    |
| Elm, west side.....               | Harrison, northerly .....              | January 31.....  | 1               | .....    |
| Elm, east side.....               | Rowell, southerly .....                | February 10..... | 1               | .....    |
| Elm, west side.....               | Trenton, northerly .....               | February 28..... | 3               | .....    |
| Elm, east side.....               | Valley, northerly .....                | April 29.....    | 1               | .....    |
| Elm, east side.....               | Valley, northerly .....                | July 15.....     | 3               | .....    |
| Elm, east side.....               | Waldo, northerly .....                 | July 15.....     | 2               | .....    |
| Everett, east side.....           | Thayer to West Clarke.....             | February 10..... | 2               | .....    |
| Everett, west side.....           | Valley, southerly .....                | April 28.....    | 1               | .....    |
| Foster avenue, west side.....     | Second, westerly .....                 | January 31.....  | 3               | .....    |
| Frederick, southerly side.....    | Milford, northerly .....               | February 28..... | 7               | .....    |
| George, east side.....            | Page to Lovering .....                 | February 28..... | 3               | .....    |
| Glenwood avenue.....              | Quincy, east side.....                 | January 31.....  | 5               | .....    |
| Granite, north side.....          | Union, easterly .....                  | February 28..... | 1               | .....    |
| Green, south side.....            | Cilley road to Clay .....              | July 15.....     | 2               | .....    |
| Hall, east side.....              | Clay to Somerville.....                | April 29.....    | 8               | .....    |
| Hall, east side.....              | Amherst to Concord .....               | April 29.....    | 2               | .....    |
| Hall, west side.....              | Concord to Lowell.....                 | April 29.....    | 2               | .....    |
| Hall, west side.....              | Lowell to East High.....               | April 29.....    | 2               | .....    |
| Hall, west side.....              | Bridge to Pearl .....                  | April 29.....    | 5               | .....    |
| Hall, west side.....              | Pearl, northerly .....                 | April 29.....    | 2               | .....    |
| Hampshire lanc, west side.....    | Mechanic, southerly about 50 feet..... | April 29.....    | 2               | .....    |
| Hanover, north side.....          | Ashland, westerly .....                | January 31.....  | 1               | .....    |
| Hanover, north side.....          | Union, easterly .....                  | January 31.....  | 3               | .....    |
| Hanover, north side.....          | Hall road, west side.....              | January 31.....  | 3               | .....    |
| Hanover, south side.....          | Grant to Hall road .....               | January 31.....  | 1               | .....    |
| Hanover, south side.....          | Hall road to Mammoth road.....         | April 29.....    | 4               | .....    |
| Harrison, north side.....         | Elm, easterly .....                    | April 29.....    | 2               | .....    |
|                                   |  | February 10..... | 3               | .....    |



|   |   |                   |       |       |
|---|---|-------------------|-------|-------|
| Harrison, south side.....                         | m | August 16.....    | 4     | ..... |
| Harrison, south side.....                         | m | August 16.....    | 2     | ..... |
| Harrison, south side.....                         | m | January 31.....   | 1     | ..... |
| Ash and Maple.....                                | m | January 31.....   | 2     | ..... |
| Maple to Oak.....                                 | m | January 31.....   | 1     | ..... |
| Russell, easterly.....                            | m | January 31.....   | 2     | ..... |
| Oak to Maple.....                                 | m | January 31.....   | 1     | ..... |
| Maple, westerly.....                              | m | January 31.....   | 1     | ..... |
| Ash, easterly.....                                | m | May 4.....        | 1     | ..... |
| East of Russell about 200 feet.....               | m | July 15.....      | 3     | ..... |
| Oak, easterly.....                                | n | July 15.....      | 3     | ..... |
| Maple, westerly.....                              | n | July 15.....      | 4     | ..... |
| Maple, westerly.....                              | n | July 15.....      | 2     | ..... |
| Union, westerly.....                              | n | January 31.....   | 6     | ..... |
| Belmont to Beacon.....                            | m | December 14.....  | 3     | ..... |
| Beacon to Weston.....                             | n | December 14.....  | 3     | ..... |
| Belmont to Beacon.....                            | n | December 14.....  | 5     | ..... |
| Beacon to Weston.....                             | n | December 14.....  | 5     | ..... |
| Jane, westerly about 100 feet.....                | m | February 10.....  | 1     | ..... |
| Maple to Nashua.....                              | n | April 29.....     | 1     | ..... |
| Maple to Nashua.....                              | n | April 29.....     | 1     | ..... |
| Massabesic, northeasterly.....                    | n | January 31.....   | 4     | ..... |
| Nelson to north of Benton.....                    | m | April 29.....     | 8     | ..... |
| About 300 feet west of Elm.....                   | m | January 31.....   | 1     | ..... |
| Harvard to Hayward.....                           | m | December 14.....  | 4     | ..... |
| Warner to Stewart.....                            | n | July 15.....      | 2     | ..... |
| Stewart, north side.....                          | n | July 15.....      | 1     | ..... |
| Between Manhattan lane and Fifth avenue lane..... | n | September 23..... | 1     | ..... |
| Candia road, southerly.....                       | m | February 18.....  | 57    | ..... |
| Beech, west side.....                             | m | January 31.....   | 1     | ..... |
| Pine, easterly.....                               | m | July 12.....      | 4     | ..... |
| Maple and Lincoln.....                            | m | July 12.....      | 3     | ..... |
| Laurel south back, north side.....                | m | July 12.....      | 7     | ..... |
| Union to Beech.....                               | m | July 12.....      | 5     | ..... |
| Beech, easterly.....                              | m | July 12.....      | 4     | ..... |
| Lincoln, westerly.....                            | m | July 12.....      | 1     | ..... |
| Union, easterly.....                              | m | July 12.....      | 2     | ..... |
| Laurel south back, south side.....                | m | July 12.....      | 1     | ..... |
| Somerville, northerly.....                        | m | January 31.....   | 2     | ..... |
| Maple, west.....                                  | m | August 30.....    | 1     | ..... |
| Brown avenue, easterly.....                       | m | January 31.....   | 3     | ..... |
| Maple, westerly.....                              | m | January 31.....   | 2     | ..... |
| Beacon, east side.....                            | m | January 31.....   | 1     | ..... |
| Beacon, westerly.....                             | m | January 31.....   | 4     | ..... |
| Maple to South.....                               | m | January 31.....   | 3     | ..... |
| Maple, westerly about 100 feet.....               | m | February 10.....  | 1     | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, north side.....                         | m | .....             | ..... | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, south side.....                         | m | .....             | ..... | ..... |
| Harrison, north side.....                         | m | .....             | ..... | ..... |
| Harrison, north side.....                         | m | .....             | ..... | ..... |
| Harrison, north side.....                         | m | .....             | ..... | ..... |
| Hayward, south side.....                          | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| High, East, north side.....                       | m | .....             | ..... | ..... |
| Hospital avenue, southerly.....                   | m | .....             | ..... | ..... |
| Jones, west side.....                             | m | .....             | ..... | ..... |
| Kidder court.....                                 | m | .....             | ..... | ..... |
| Kingston, east side.....                          | m | .....             | ..... | ..... |
| Kingston, south side.....                         | m | .....             | ..... | ..... |
| Lake avenue south back, north side.....           | m | .....             | ..... | ..... |
| Lake Shore road, easterly.....                    | m | .....             | ..... | ..... |
| Laurel south back, south side.....                | m | .....             | ..... | ..... |
| Laurel south back, north side.....                | m | .....             | ..... | ..... |
| Laurel south back, north side.....                | m | .....             | ..... | ..... |
| Laurel south back, north side.....                | m | .....             | ..... | ..... |
| Laurel south back, north side.....                | m | .....             | ..... | ..... |
| Laurel south back, north side.....                | m | .....             | ..... | ..... |
| Laurel south back, north side.....                | m | .....             | ..... | ..... |
| Laurel south back, north side.....                | m | .....             | ..... | ..... |
| Lincoln, west side.....                           | m | .....             | ..... | ..... |
| Lincoln, west side.....                           | m | .....             | ..... | ..... |
| Londonberry lane, south side.....                 | m | .....             | ..... | ..... |
| Londonberry road, south side.....                 | m | .....             | ..... | ..... |
| Londonberry lane, south side.....                 | m | .....             | ..... | ..... |
| Lowell, north side.....                           | m | .....             | ..... | ..... |
| Lowell, north side.....                           | m | .....             | ..... | ..... |
| Lowell, south side.....                           | m | .....             | ..... | ..... |
| Lowell, south side.....                           | m | .....             | ..... | ..... |

## POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—Continued.

| LOCATION.                      | LIMITS.                             | Date.            | POLE LOCATIONS. |          |
|--------------------------------|-------------------------------------|------------------|-----------------|----------|
|                                |                                     |                  | Granted.        | Revoked. |
| Lowell, north side.....        | Nashua to South                     | April 29.....    | .....           | 2        |
| Lowell, north side.....        | Jane to Malvern                     | April 29.....    | .....           | 1        |
| Lowell, north side.....        | Malvern, easterly                   | April 29.....    | .....           | 1        |
| Lowell, south side.....        | Buzzell to Hall.....                | April 29.....    | .....           | 2        |
| Lowell, south side.....        | Hall to Belmont.....                | April 29.....    | .....           | 3        |
| Lowell, south side.....        | Belmont to Beacon.....              | April 29.....    | .....           | 4        |
| Lowell, south side.....        | Maple east back, westerly.....      | April 29.....    | .....           | 2        |
| Lowell, south side.....        | Maple east back to Malvern.....     | April 29.....    | .....           | 6        |
| Laurel, south side.....        | Beacon, easterly.....               | April 29.....    | .....           | 4        |
| Main west back, east side..... | Amory to Adams.....                 | January 31.....  | .....           | 24       |
| Main west back, east side..... | Adams, southerly.....               | January 31.....  | .....           | 1        |
| Main west back, east side..... | Amory, northerly.....               | January 31.....  | .....           | 1        |
| Main west back, east side..... | Amory, northerly.....               | January 31.....  | .....           | 1        |
| Malvern, northeasterly.....    | Lowell to East High.....            | June 10.....     | .....           | 9        |
| Malvern, northeasterly.....    | East High to Bridge.....            | April 29.....    | .....           | 3        |
| Mammoth road, east side.....   | Cohas avenue, southerly.....        | April 29.....    | .....           | 2        |
| Mammoth road, east side.....   | Island Pond road, south side.....   | April 29.....    | .....           | 16       |
| Mammoth road, west side.....   | Island Pond road to Derry road..... | January 31.....  | .....           | 1        |
| Manchester, north side.....    | Milton, westerly.....               | January 31.....  | .....           | 43       |
| Maple, west side.....          | Hanover to Amherst.....             | January 31.....  | .....           | 2        |
| Maple, west side.....          | Amherst to Concord.....             | July 15.....     | .....           | 4        |
| Maple, west side.....          | Concord to Lowell.....              | July 15.....     | .....           | 3        |
| Maple, east side.....          | East High, south side.....          | July 15.....     | .....           | 3        |
| Maple, west side.....          | Lowell, southerly.....              | January 31.....  | .....           | 1        |
| Maple, west side.....          | Concord to Amherst.....             | January 31.....  | .....           | 2        |
| Maple, west side.....          | Derryfield lane, north side.....    | January 31.....  | .....           | 2        |
| Maple, west side.....          | Londonderry lane, northerly.....    | January 31.....  | .....           | 1        |
| Maple, west side.....          | Lowell to Concord.....              | January 31.....  | .....           | 1        |
| Maple, west side.....          | Concord and Amherst.....            | January 31.....  | .....           | 1        |
| Maple, west side.....          | Amherst, southerly.....             | January 31.....  | .....           | 2        |
| Maple, west side.....          | Derryfield lane, south side.....    | January 31.....  | .....           | 1        |
| Maple, west side.....          | Hanover, southerly.....             | January 31.....  | .....           | 1        |
| Maple, east side.....          | Arlington, northerly.....           | January 31.....  | .....           | 1        |
| Maple, east side.....          | Pearl, north side.....              | February 10..... | .....           | 1        |
| Maple, west side.....          | Dix, northerly.....                 | February 10..... | .....           | 1        |
| Maple, west side.....          | Harrison, southerly.....            | January 31.....  | .....           | 5        |
| Maple, west side.....          | Harrison, southerly.....            | July 15.....     | .....           | 3        |

|   |   |   |                  |    |
|---|---|---|------------------|----|
| Maple, east side.....                       | Hanover to Amherst.....                       | n | July 15.....     | 4  |
| Maple, east side.....                       | Amherst to Concord.....                       | n | July 15.....     | 4  |
| Maple, east side.....                       | Concord to Lowell.....                        | n | July 15.....     | 4  |
| Market, north side.....                     | Franklin, westerly.....                       | m | January 31.....  | 3  |
| Market, north side.....                     | Hampshire lane, west side.....                | m | January 31.....  | 1  |
| Massabesic, northeasterly.....              | Hospital avenue, southeasterly.....           | m | January 31.....  | 1  |
| Massabesic, northeasterly.....              | Hospital avenue, southerly.....               | m | January 31.....  | 1  |
| Mast, north side.....                       | Kiddle to William.....                        | m | January 31.....  | 1  |
| Mast, south side.....                       | William, westerly.....                        | m | January 31.....  | 1  |
| Mechanic, north side.....                   | Canal, easterly.....                          | m | February 28..... | 3  |
| Meade, north side.....                      | Hall to Belmont.....                          | m | February 28..... | 1  |
| Merrimack south back, north side.....       | Maple, westerly.....                          | u | January 31.....  | 4  |
| Merrimack, north side.....                  | About 500 feet east of Beacon, easterly.....  | m | April 29.....    | 2  |
| Merrimack, north side.....                  | About 200 feet east of Lincoln, easterly..... | m | January 31.....  | 2  |
| Merrimack, north side.....                  | Union, easterly.....                          | m | January 31.....  | 5  |
| Merrimack, north side.....                  | Maple, westerly.....                          | m | January 31.....  | 3  |
| Merrimack, north side.....                  | Lincoln, westerly.....                        | m | January 31.....  | 3  |
| Myrtle south back, north side.....          | Chestnut, westerly.....                       | m | January 31.....  | 3  |
| Myrtle south back, north side.....          | Chestnut to Pine.....                         | m | January 31.....  | 3  |
| Myrtle south back, north side.....          | Pine, easterly.....                           | m | January 31.....  | 4  |
| Myrtle south back, north side.....          | Walnut, west side.....                        | m | January 31.....  | 4  |
| Myrtle south back, north side.....          | Walnut, west side.....                        | m | January 31.....  | 3  |
| Myrtle south back, north side.....          | Union, westerly.....                          | m | January 31.....  | 1  |
| Nelson, north side.....                     | Russell, westerly.....                        | m | January 31.....  | 2  |
| Notre Dame avenue east back, west side..... | Jones, west side.....                         | m | July 15.....     | 2  |
| Oakland avenue, north side.....             | Adams, southerly.....                         | m | February 28..... | 1  |
| Orange, north side.....                     | Mammoth road to Woodbine avenue.....          | m | January 31.....  | 1  |
| Orange, north side.....                     | Ash to Maple.....                             | m | January 31.....  | 12 |
| Orange, north side.....                     | Beech to Ash.....                             | n | July 15.....     | 4  |
| Orange, south side.....                     | Ash, easterly.....                            | u | July 15.....     | 3  |
| Orange, north side.....                     | Maple, westerly.....                          | u | July 15.....     | 2  |
| Orange, north side.....                     | Beech to Ash.....                             | n | July 15.....     | 2  |
| Orange, north side.....                     | Walnut, west side.....                        | n | July 15.....     | 2  |
| Orange south back, north side.....          | Chestnut, easterly.....                       | m | February 10..... | 1  |
| Orange south back, north side.....          | Chestnut, westerly.....                       | m | January 31.....  | 1  |
| Orange, north side.....                     | Pine, easterly.....                           | m | January 31.....  | 1  |
| Parker, south side.....                     | West, westerly about 200 feet.....            | m | December 14..... | 3  |
| Pearl, south side.....                      | Maple to Nashua.....                          | n | February 28..... | 1  |
| Pearl, north side.....                      | Maple to Oak.....                             | n | April 29.....    | 2  |
| Pine east back, east side.....              | Concord, southerly.....                       | n | April 29.....    | 2  |
| Pine, west side.....                        | Valley, southerly.....                        | n | April 29.....    | 2  |
| Pine, west side.....                        | Salmon, north side.....                       | m | January 31.....  | 3  |
| Pine, west side.....                        | Sagamore, south side.....                     | m | January 31.....  | 1  |
| Pine, west side.....                        | Sagamore to Salmon.....                       | m | January 31.....  | 1  |
| Pine, west side.....                        | Salmon, north side.....                       | m | January 31.....  | 4  |
| Pine, west side.....                        | Salmon, northerly.....                        | m | January 31.....  | 1  |
| Pine, west side.....                        | Salmon, northerly.....                        | m | January 31.....  | 1  |

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—Continued.

| LOCATION.  | LIMITS.                                      | Date.        | POLE LOCATIONS. |          |
|--|--|--------------|-----------------|----------|
|  |  |              | Granted.        | Revoked. |
| Pine, west side.                                 | Sagamore to Salmon.                          | December 29  | 1               | .....    |
| Pine, west side.                                 | Sagamore to Salmon.                          | December 29  | .....           | 1        |
| Pine, east side.                                 | Laurel south back, south side.               | July 12      | .....           | .....    |
| Pine, east side.                                 | Sagamore, south side.                        | January 31   | 1               | .....    |
| Pine, east side.                                 | Salmon, north side.                          | January 31   | .....           | .....    |
| Pleasant, south side.                            | Canal, easterly                              | February 10  | 3               | .....    |
| Prospect road, south side.                       | Portsmouth railroad, easterly                | February 28  | 13              | .....    |
| Prospect, north side.                            | Walnut, easterly                             | April 7      | .....           | .....    |
| Prospect, south side.                            | Maple, west side.                            | January 31   | 1               | .....    |
| Prospect, south side.                            | Maple, easterly                              | January 31   | .....           | .....    |
| Prospect, north side.                            | Russell, westerly                            | January 31   | 1               | .....    |
| Prout avenue, east side.                         | Hayward, southerly                           | July 15      | 2               | .....    |
| Putnam, south side.                              | Whipple, easterly                            | January 31   | 4               | .....    |
| Putnam, south side.                              | Whipple, easterly                            | October 17   | 2               | .....    |
| Putnam, south side.                              | Notre Dame avenue to Cartier.                | October 17   | .....           | 2        |
| Putnam, south side.                              | Cartier west back, west side.                | March 18     | 3               | .....    |
| Putnam, south side.                              | Dubuque, west side.                          | March 18     | 1               | .....    |
| Putnam, south side.                              | Columbus avenue to Bartlett.                 | March 18     | 1               | .....    |
| Ray, east side.                                  | Appleton, northerly                          | March 18     | 11              | .....    |
| Revere avenue, east side.                        | Candia road to Oakland avenue.               | February 10  | 5               | .....    |
| Rimmon east back, west side.                     | Bremer to Kelley.                            | January 31   | 6               | .....    |
| Rimmon east back, east side.                     | Wayne, northerly                             | July 12      | 6               | .....    |
| River road, North, east side of Mer-rimack river | Wayne, northerly                             | January 31   | 2               | .....    |
| River road, east side.                           | From residence of Clinton Abbott, southerly. | September 23 | 13              | .....    |
| River road, east side.                           | West Salmon, southerly                       | April 29     | 1               | .....    |
| River road, west side.                           | Salmon to West North                         | April 29     | 6               | .....    |
| River road, east side.                           | West North to West Salmon.                   | April 29     | .....           | 5        |
| Rowell, south side.                              | West Salmon, southerly                       | April 29     | .....           | 1        |
| Russell, east side.                              | Elm, westerly                                | April 29     | .....           | .....    |
| Russell, east side.                              | Prospect to Harrison                         | February 28  | 3               | .....    |
| Russell, east side.                              | Myrtle, northerly                            | January 31   | 2               | .....    |
| Russell, east side.                              | Myrtle, northerly                            | January 31   | 2               | .....    |
| Russell, east side.                              | Bridge, northerly                            | January 31   | 1               | .....    |
| Russell, east side.                              | Arlington to Pearl.                          | April 29     | 1               | .....    |
| Russell, east side.                              | Prospect, northerly                          | April 29     | 2               | .....    |
| Russell, east side.                              | Myrtle, northerly                            | January 31   | .....           | 2        |
| Russell, east side.                              | Myrtle, northerly                            | January 31   | .....           | 1        |



|                                    |                                      |   |               |    |
|------------------------------------|--------------------------------------|---|---------------|----|
| Sagamore south back, north side... | Pine, easterly                       | m | January 31.   | 3  |
| Sagamore south back, south side... | Pine, easterly                       | m | January 31.   | 4  |
| Sagamore, south side.              | Union, east side                     | m | April 7.      | 1  |
| Sagamore, south side.              | Canal to Pine.                       | m | January 31.   | 17 |
| Sagamore south back, south side.   | Union, westerly.                     | m | August 4.     | 2  |
| Salisbury, east side.              | Hanover, northerly                   | m | October 17.   | 4  |
| Salmon, south side.                | Union, east side                     | n | April 15.     | 1  |
| Salmon, north side.                | Pine to Chestnut.                    | m | January 31.   | 5  |
| Salmon, north side.                | Pine, easterly                       | m | November 23.  | 1  |
| Salmon, West, south side.          | River road, westerly                 | n | April 29.     | 1  |
| Salmon, West, north side.          | River road, westerly                 | n | April 29.     | 1  |
| School, south side.                | Fourth, easterly                     | n | May 4.        | 1  |
| Schuyler south back, north side.   | East of Notre Dame avenue.           | m | June 10.      | 1  |
| Shasta, south side.                | Maple, westerly                      | m | January 31.   | 6  |
| Somerville, south side.            | 300 feet east of Lincoln.            | m | May 3.        | 1  |
| Somerville, south side.            | Lincoln, easterly                    | m | January 31.   | 2  |
| Spring, north side.                | Hampshire lane, westerly             | m | January 31.   | 2  |
| Spruce, north side.                | West of Cypress                      | n | November 15.  | 1  |
| Spruce south back, north side.     | Manhattan lane to Fifth avenue lane. | n | September 23. | 4  |
| Spruce south back, south side.     | Fifth avenue lane, westerly          | m | August 4.     | 2  |
| Stark, north side.                 | Hampshire lane, west side            | m | July 19.      | 1  |
| Stewart, west side.                | Kingston, northerly                  | n | July 15.      | 1  |
| Sullivan, south side.              | Bartlett to Thornton.                | m | May 3.        | 2  |
| Sullivan, south side.              | Thornton, westerly                   | m | May 3.        | 1  |
| Sullivan, south side.              | Bartlett to Thornton.                | m | May 3.        | 1  |
| Sullivan, north side.              | Whipple, westerly                    | n | October 17.   | 3  |
| Summer south back, south side.     | Beech, easterly                      | n | September 23. | 1  |
| Summer south back, south side.     | Beech, westerly                      | n | September 23. | 2  |
| Thayer, south side.                | Elm to Everett                       | n | April 29.     | 2  |
| Thornton, east side.               | Sullivan, southerly                  | m | May 3.        | 4  |
| Thornton, east side.               | Sullivan, northerly                  | m | May 3.        | 1  |
| Tilton, west side.                 | Milford, northerly                   | m | November 15.  | 3  |
| Trenton, north side.               | Chestnut, easterly                   | n | February 10.  | 3  |
| Turner, easterly side.             | Granite to School.                   | m | December 29.  | 4  |
| Turner, easterly side.             | School to School south back.         | m | December 29.  | 1  |
| Turner, westerly side.             | School south back to Bath.           | m | December 29.  | 1  |
| Turner, easterly side.             | Granite to School.                   | m | December 29.  | 1  |
| Union east back, east side.        | School to School south back.         | m | December 29.  | 4  |
| Union, west side.                  | Lowell, northerly                    | n | April 29.     | 1  |
| Union, west side.                  | Bridge to High                       | n | April 29.     | 2  |
| Union, east side.                  | High, southerly                      | n | April 29.     | 3  |
| Union, east side.                  | Webster to Appleton.                 | m | January 31.   | 1  |
| Union, east side.                  | Appleton to Clarke.                  | m | January 31.   | 2  |
| Union, east side.                  | Clarke to Carpenter.                 | m | January 31.   | 8  |
| Union, east side.                  | Carpenter to Trenton.                | m | January 31.   | 11 |
| Union, east side.                  | Trenton to Campbell                  | m | January 31.   | 4  |
|                                    |                                      | m | January 31.   | 10 |

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—Concluded.

| LOCATION.                        | LIMITS.                                | Date.            | POLE LOCATIONS. |          |
|----------------------------------|--|------------------|-----------------|----------|
|                                  |  |                  | Granted.        | Revoked. |
| Union, east side.....            | Campbell, northerly.....               | January 31.....  | 3               | 2        |
| Union, east side.....            | Webster to Appleton.....               | January 31.....  | 9               |          |
| Union, east side.....            | Appleton to Clarke.....                | January 31.....  | 11              |          |
| Union, east side.....            | Clarke to Carpenter.....               | January 31.....  | 5               |          |
| Union, east side.....            | Carpenter to Trenton.....              | January 31.....  | 11              |          |
| Union, east side.....            | Trenton to Campbell.....               | January 31.....  | 1               |          |
| Union, west side.....            | Campbell, northerly.....               | July 15.....     | 2               |          |
| Union, east side.....            | Grove to Green.....                    | December 14..... | 3               |          |
| Union, east side.....            | Amherst to Concord.....                | December 14..... | 2               |          |
| Union, east side.....            | Amherst, southerly.....                | April 29.....    | 2               |          |
| Union, east side.....            | Cedar to Cedar south.....              | April 29.....    | 1               |          |
| Union, east side.....            | Cedar south back to Auburn.....        | April 29.....    | 1               |          |
| Union, east side.....            | Auburn to Auburn south back.....       | April 29.....    | 1               |          |
| Union, west side.....            | Auburn south back to Summer.....       | April 29.....    | 1               |          |
| Union, east back, west side..... | Campbell to Arah.....                  | April 29.....    | 12              |          |
| Union east back, west side.....  | Bridge to Lowell.....                  | April 29.....    | 6               |          |
| Walnut, west side.....           | Lowell to Concord.....                 | April 29.....    | 3               |          |
| Walnut east back, east side..... | Lowell to Bridge.....                  | April 29.....    | 1               |          |
| Walnut east back.....            | Bridge to Lowell.....                  | January 31.....  | 4               |          |
| Warner, east side.....           | Lowell, northerly.....                 | April 29.....    | 1               |          |
| Washington, north side.....      | Mast to Kingston.....                  | April 29.....    | 4               |          |
| Webster, south side.....         | Birch, westerly.....                   | July 18.....     | 1               |          |
| Webster, south side.....         | Liberty, east side.....                | January 31.....  | 1               |          |
| Webster, West, north side.....   | Liberty, east side.....                | February 10..... | 1               |          |
| Wentworth, east side.....        | River road to B. & M. R. R.....        | February 28..... | 6               |          |
| Wentworth, east side.....        | Schiller to Bell.....                  | April 29.....    | 5               |          |
| Wheclock, east side.....         | Bell, northerly.....                   | January 31.....  | 5               |          |
| Whipple, east side.....          | West Hancock, southerly.....           | January 31.....  | 1               |          |
| William, west side.....          | Putnam, northerly.....                 | February 28..... | 4               |          |
| Willow, west side.....           | Milford, northerly.....                | October 17.....  | 1               |          |
| Wilson, west side.....           | Milford, northerly about 400 feet..... | April 29.....    | 2               |          |
| Wilson, west side.....           | Merrill, northerly.....                | February 28..... | 2               |          |
| Woodland avenue.....             | Somerville, southerly.....             | January 31.....  | 2               |          |
| Young, north side.....           | Valley, northerly.....                 | January 31.....  | 4               |          |
|                                  | Candia road to Oakland avenue.....     | January 31.....  | 6               |          |
|                                  | Ainsworth avenue, easterly.....        | January 31.....  | 2               |          |
|                                  |  |                  | 1,224           | 219      |

m Manchester Traction, Light & Power Company.  
n New England Telephone & Telegraph Company.  
c Commercial Union Telegraph Company.





APPROPRIATION FOR STREET AND PARK COMMISSION.—Concluded.

| EXPENDITURES.                          |                                  | RECEIPTS.  |             |        |
|--|----------------------------------|------------|-------------|--------|
| For                                    | To                               | Cr.        | Dr.         | By For |
| Salaries of commis-<br>sioners .....   | William McElroy .....            | \$750.00   |             |        |
|  | Byron Worthen .....              | 750.00     |             |        |
|  | Samuel J. Lord .....             | 1,100.04   |             |        |
|  |                                  |            | 2,600.04    |        |
| Salaries of superin-<br>tendents ..... | George P. Ames .....             | \$1,500.00 |             |        |
|  | Charles Francis .....            | 1,200.00   |             |        |
|  | Alphonse Laberge .....           | 1,092.00   |             |        |
|  |                                  |            | 3,792.00    |        |
| Salary of second-hand                  | Harold M. Haskell .....          |            | 291.28      |        |
| Salaries of timekeep-<br>ers .....     | Emile A. Blanchet .....          | \$477.00   |             |        |
|  | John A. Gemmell .....            | 692.00     |             |        |
|  | Frank P. Collins .....           | 52.00      |             |        |
|  |                                  |            | 1,221.00    |        |
| Salaries of clerks....                 | Frank L. Aldrich .....           | \$62.50    |             |        |
|  | Omer G. Coffin .....             | 36.00      |             |        |
|  | Harrie H. Clement .....          | 372.00     |             |        |
|  | Richard V. McAllister .....      | 120.58     |             |        |
|  | Frank L. McAllister .....        | 40.50      |             |        |
|  | John J. McAllister, Jr. ....     | 110.16     |             |        |
|  | Joseph W. McElroy .....          | 123.86     |             |        |
|  | Harry G. Sanford .....           | 29.75      |             |        |
|  | E. Park Stevens .....            | 449.65     |             |        |
|  | Harrie M. Young .....            | 59.40      |             |        |
|  |                                  |            | 1,404.40    |        |
| Subscriptions .....                    | Municipal Journal Engineer ..... |            | 3.00        |        |
| Telephones .....                       | N. E. T. & T. Co. ....           |            | 182.87      |        |
|  |                                  |            | \$9,999.37  |        |
| Balance .....                          | Common council .....             |            | .63         |        |
|  |                                  |            | \$10,000.00 |        |
|  |                                  |            | \$10,000.00 |        |

SNOW AND ICE AND CLEANING STREETS.

| EXPENDITURES.      |                            | RECEIPTS.   |             |                     |   |
|--------------------|----------------------------|-------------|-------------|---------------------|---|
| For                | To                         | Cr.         | Dr.         | By                  | For                                     |
| Claims .....       | M. E. Kean, M. D.....      | \$50.00     | \$18,000.00 | Common council..... | Snow and ice and cleaning streets ..... |
|                    | Sacred Heart hospital..... | 10.00       |             |                     |   |
| Freight .....      | Boston & Maine R. R.....   |             | \$60.00     |                     |   |
| New equipment..... | A. B. Block.....           |             | 7.96        |                     |   |
| Payroll .....      | Division No. 2 .....       | \$14,368.45 | 130.00      |                     |   |
|                    | 4 .....                    | 62.66       |             |                     |   |
|                    | 5 .....                    | 81.44       |             |                     |   |
|                    | 7 .....                    | 1,244.20    |             |                     |   |
|                    | 10 .....                   | 2,393.89    |             |                     |   |
| Supplies .....     | Geo. W. Dodge Shoe Co..... | \$7.00      | 18,150.64   |                     |   |
|                    | The S. P. Dodge Co. .....  | 7.15        |             |                     |   |
|                    | Henry W. Parker.....       | 2.10        |             |                     |   |
|                    | Pike & Heald Co.....       | 1.14        |             |                     |   |
|                    | John B. Varick Co.....     | 38.98       |             |                     |   |
| Tools .....        | H. Thompson .....          | \$61.00     | 56.37       |                     |   |
|                    | John B. Varick Co.....     | 64.07       |             |                     |   |
|                    |                            |             |             |                     |   |
|                    |                            |             |             | Common council..... | Overdraft .....                         |
|                    |                            |             | \$18,000.00 |                     |   |
|                    |                            |             | 530.04      |                     |   |
|                    |                            |             | \$18,530.04 |                     |   |

## ITEMIZED OPERATIONS.

|  | Labor.     | Teams.   | Total.     |
|--|------------|----------|------------|
| Removing snow alongside street railway tracks and snowing crossings..... | \$1,019.26 | \$448.37 | \$1,467.63 |
| Delivering sand at schoolhouses.....                                     | 5.64       | 1.94     | 7.58       |
| Carrying out ashes at Chandler school....                                | 5.94       | .....    | 5.94       |
| Filling sand shed, East Side.....  | 265.30     | 157.28   | 422.58     |
| Filling sand shed, West Side.....  | 72.50      | 49.50    | 122.00     |
| Snowing Amoskeag bridge roadway.....                                     | 50.58      | 17.07    | 67.65      |
| Sanding sidewalks .....  | 422.31     | 29.06    | 451.37     |
| Removing snow from rear Mirror building                                  | 34.55      | 14.20    | 48.75      |
| Removing snow at orphanage.....  | 18.82      | 4.50     | 23.32      |
| Removing snow at postoffice.....   | 5.11       | 2.43     | 7.54       |
| Rolling snow speedway on Chestnut street                                 | 21.69      | 18.01    | 39.70      |
| Cleaning McGregor and Amoskeag bridges                                   | 20.67      | 2.66     | 23.33      |
| Scraping and cleaning macadam streets...                                 | 205.50     | 66.55    | 272.05     |
| Plowing out sidewalks.....   | 106.43     | 326.01   | 432.44     |
| Moving snowplows to city farm.....                                       | 10.24      | 3.06     | 13.30      |
| Breaking out roads and running gutter plows .....                        | 1,569.48   | 867.01   | 2,436.49   |
| Cleaning gutters and cesspools.....                                      | 2,816.02   | 930.85   | 3,746.87   |
| Cleaning gutters, patrol work.....                                       | 4,127.64   | 624.58   | 4,752.22   |
| Picking ice in gutters.....  | -687.57    | 9.76     | 697.33     |
| Hawling away snow and ice.....   | 660.44     | 278.48   | 938.92     |
| Snowing crossings and streets.....                                       | 37.65      | 11.03    | 48.68      |
| Pumping out four cellars.....  | 6.32       | .76      | 7.08       |
| Cleaning up streets.....   | 255.21     | 56.06    | 311.27     |
| Delivering sand at 97 Pennacook street and 261 Manchester street.....    | .53        | .26      | .79        |
| Thawing out cesspools with boiler.....                                   | 34.08      | 12.66    | 46.74      |
| Sweeping, machine work.....  | 2,348.04   | 493.49   | 2,841.53   |

REPAIRS OF HIGHWAYS.

| EXPENDITURES.                     |                             | RECEIPTS.  |             |                     |                          |
|-----------------------------------|-----------------------------|------------|-------------|---------------------|--------------------------|
| For                               | To                          | Cr.        | Dr.         | By                  | For                      |
| Broken stone.....                 | Winchester Stone Co.....    | \$4,614.67 | \$30,000.00 | Common council..... | Repairs of highways..... |
| Car service.....                  | Boston & Maine R. R.....    | 23.00      |             |                     |                          |
| Care of watering<br>trough.....   | Alex Champagne.....         | 4.00       |             |                     |                          |
| Claims.....                       | Geo. J. Gingras.....        | \$2.25     |             |                     |                          |
|                                   | Ernest Rene.....            | 5.25       |             |                     |                          |
| Coal.....                         | L. B. Bodwell & Co.....     | 7.50       |             |                     |                          |
| Curbing.....                      | Chas. A. Bailey.....        | 680.43     |             |                     |                          |
| Electricity.....                  | M. T. L. & P. Co.....       | 158.10     |             |                     |                          |
| Elm-street contract..             | Hanscom Construction Co..   | 88.92      |             |                     |                          |
| Explosives.....                   | John B. Varick Co.....      | 1,280.22   |             |                     |                          |
| Express.....                      | American Express Co.....    | 38.64      |             |                     |                          |
| Freight.....                      | Boston & Maine R. R.....    | 12.50      |             |                     |                          |
| Insurance.....                    | S. B. Stearns.....          | 5.16       |             |                     |                          |
| Light.....                        | Arthur A. Warren.....       | 23.63      |             |                     |                          |
| Lubricants.....                   | Vacuum Oil Co.....          | 17.75      |             |                     |                          |
| New equipment.....                | Carson Trench Machine Co..  | 92.30      |             |                     |                          |
| Paving (tar concrete)             | Robie Con. Concrete Co..... | 360.00     |             |                     |                          |
| Paving blocks (gran-<br>ite)..... | Palmer & Garmon.....        | 104.14     |             |                     |                          |
| Paving contract.....              | Robie Con. Concrete Co..... | 1,670.90   |             |                     |                          |
| Payroll.....                      | Division No. 2.....         | 579.48     |             |                     |                          |
|                                   | 4.....                      | \$7,116.27 |             |                     |                          |
|                                   | 5.....                      | 100.50     |             |                     |                          |
|                                   | 7.....                      | 147.96     |             |                     |                          |
|                                   | 9.....                      | 3,439.15   |             |                     |                          |
|                                   | 10.....                     | 376.12     |             |                     |                          |
|                                   |                             | 4,350.64   |             |                     |                          |
| Repairs to equipment              | Buffalo Steam Roller Co.... | 15,530.64  |             |                     |                          |
|                                   | Drew Machinery Co.....      | \$448.09   |             |                     |                          |
| Road oil.....                     | Indian Refining Co.....     | 8.10       |             |                     |                          |
|                                   |                             | 456.19     |             |                     |                          |
|                                   |                             | 536.22     |             |                     |                          |

REPAIRS OF HIGHWAYS.—*Concluded.*

| EXPENDITURES.  |                         | RECEIPTS. |             |    |             |  |
|----------------|-------------------------|-----------|-------------|----|-------------|--|
| For            | To                      | Cr.       | Dr.         | By | For         |  |
| Sand .....     | J. D. Lovering .....    | \$1.20    |             |    |             |  |
|                | A. N. Nettle .....      | 3.00      | 4.20        |    |             |  |
| Supplies ..... | John B. Varick Co. .... | \$39.78   |             |    |             |  |
|                | Pike & Heald Co. ....   | 3.86      |             |    |             |  |
| Tools .....    | John B. Varick Co. .... |           | 43.64       |    |             |  |
|                | Water commissioners ..  |           | 15.15       |    |             |  |
| Water .....    | Water commissioners ..  |           | 15.00       |    |             |  |
| Balance .....  | Common council .....    |           | \$26,362.38 |    | \$30,000.00 |  |
|                |                         |           | 3,637.62    |    |             |  |
|                |                         |           | \$30,000.00 |    | \$30,000.00 |  |





NEW HIGHWAYS.—Continued.

| EXPENDITURES.                        |                                  | RECEIPTS.  |             |                      |     |                 |
|--------------------------------------|----------------------------------|------------|-------------|----------------------|-----|-----------------|
| For                                  | To                               | Cr.        | Dr.         | By                   | For |                 |
| Payroll .....                        | Division No 7 .....              | \$4,621.64 |             |                      |     |                 |
|                                      | 9 .....                          | 2,029.24   |             |                      |     |                 |
|                                      | 10 .....                         | 5,886.18   |             |                      |     |                 |
|                                      |                                  |            | \$23,833.82 |                      |     |                 |
| Repairs to equipment                 | Buffalo Steam Roller Co.....     | \$72.15    |             |                      |     |                 |
|                                      | American Locomotive Co.....      | 142.75     |             |                      |     |                 |
|                                      | Drew Machinery Agency.....       | 6.50       |             |                      |     |                 |
|                                      | Good Roads Machine Co.....       | 524.05     |             |                      |     |                 |
|                                      | Ingersoll-Sergeant Drill Co..... | 21.94      |             |                      |     |                 |
|                                      | Lidgerwood Mfg. Co.....          | 8.05       |             |                      |     |                 |
|                                      |                                  |            | 775.44      |                      |     |                 |
| River road, North (W. Manchester)... | James F. Cavanaugh.....          |            | 1,000.00    |                      |     |                 |
| Road oil .....                       | Indian Refining Co.....          |            | 273.78      |                      |     |                 |
| Salary of inspector...               | John J. McAllister, Jr.....      |            | 91.80       |                      |     |                 |
| State aid (contract)...              | James F. Cavanaugh.....          |            | 8,823.56    |                      |     |                 |
| Stone .....                          | Winchester Stone Co.....         |            | 11,555.51   |                      |     |                 |
| Supplies .....                       | Besse-Eldridge Co.....           | \$0.42     |             |                      |     |                 |
|                                      | Jere Hodge.....                  | 12.70      |             |                      |     |                 |
|                                      | A. N. Nettle.....                | 5.00       |             |                      |     |                 |
|                                      | Henry W. Parker.....             | .70        |             |                      |     |                 |
|                                      | Pike & Heald Co.....             | 25.17      |             |                      |     |                 |
|                                      | J. B. Varick Co.....             | 199.97     |             |                      |     |                 |
| Switching service....                | Boston & Maine R. R.....         |            | 243.96      |                      |     |                 |
| Tarvia .....                         | Barrett Mfg. Co.....             |            | 3.00        |                      |     |                 |
| Tools .....                          | John B. Varick Co.....           |            | 650.00      |                      |     |                 |
| Water .....                          | Water commissioners.....         |            | 165.88      |                      |     |                 |
|                                      |                                  |            | 15.00       |                      |     |                 |
|                                      |                                  |            | \$67,369.10 |                      |     |                 |
|                                      |                                  |            |             | Common council ..... |     | Overdraft ..... |
|                                      |                                  |            | \$58,230.37 |                      |     |                 |
|                                      |                                  |            | 9,138.73    |                      |     |                 |
|                                      |                                  |            | \$67,369.10 |                      |     |                 |

ITEMIZED OPERATIONS.

| LOCATION.                   | LIMITS.                     | Labor.   | Teams.  | Total.   |
|-----------------------------|-----------------------------|----------|---------|----------|
| A street                    | South Main, westerly.       | \$185.12 | \$76.50 | \$261.62 |
| Amory                       | Montgomery, westerly        | 105.25   | 22.50   | 127.75   |
| Amory                       | Hevey, westerly             | 46.00    | 9.00    | 55.00    |
| Amory                       | Rimmon, westerly            | 19.25    | 13.50   | 32.75    |
| Amory                       | Aisacc, westerly            | 110.25   | 63.00   | 173.25   |
| Ash                         | Corner Pearl                | 1.76     | 2.25    | 4.01     |
| Ashland                     | Corner Bridge               | 1.23     | .....   | 1.23     |
| Arlington                   | Corner Warren               | 2.16     | .....   | 2.16     |
| Beech east back             | Corner Warren               | 38.30    | 18.00   | 56.30    |
| Bedford                     | Salmon to North.            | 954.72   | 477.70  | 1,432.42 |
| Blodgett                    | .....                       | 183.89   | 144.60  | 328.49   |
| Brown avenue                | Elm to Chestnut.            | 886.16   | 808.30  | 1,694.46 |
| Bismarck                    | Elm, westerly               | 38.50    | 36.00   | 74.50    |
| Bridge                      | Milford, northerly          | 74.51    | 67.50   | 142.01   |
| Bridge                      | Belmont, easterly           | 80.00    | 13.50   | 93.50    |
| Bartlett                    | Putnam, southerly           | .....    | .....   | .....    |
| Bridge                      | Maple to Beech              | 10.55    | 2.45    | 13.00    |
| Beech                       | Bridge to Pearl             | 121.31   | 112.60  | 233.91   |
| Bay                         | Clarke to Carpenter         | 2.64     | 2.25    | 4.89     |
| Beacon                      | Corner Merrimack            | 45.75    | 31.00   | 76.75    |
| Central                     | Milton to Beacon            | 242.89   | 54.00   | 296.89   |
| Gilley road                 | Hall, westerly              | 17.75    | 18.00   | 35.75    |
| Cartier and Dubuque streets | .....                       | 21.25    | 13.50   | 34.75    |
| Conant                      | Notre Dame avenue, westerly | 69.58    | 36.00   | 105.58   |
| Central                     | Bedford to east of Canal    | 141.56   | 143.17  | 284.73   |
| Cheney place                | Brown avenue to Elm         | .....    | .....   | .....    |
| Chestnut                    | Manchester to Merrimack     | .....    | .....   | .....    |
| Chestnut                    | Corner Concord              | 4.42     | .....   | 4.42     |
| Hanover                     | Corner Beech                | .....    | .....   | .....    |
| Cartier-Hevey               | .....                       | .....    | .....   | .....    |
| Dubuque-Bartlett            | .....                       | .....    | .....   | .....    |
| Rimmon-Amory                | .....                       | 127.59   | 33.75   | 161.34   |
| Candia road                 | .....                       | 38.69    | 18.00   | 56.69    |
| Central                     | Lincoln to Hall             | .....    | .....   | .....    |
| Central                     | Corner Canal                | .....    | .....   | .....    |
| Oak                         | Myrtle to Prospect          | .....    | .....   | .....    |
| Prospect                    | Oak to Maple                | 10.50    | 13.50   | 24.00    |

## ITEMIZED OPERATIONS. --Continued.

| LOCATION.         | LIMITS.                   | Labor.   | Teams.  | Total.   |
|-------------------|---------------------------|----------|---------|----------|
| Cumberland        | South of Amory            | \$24.96  | \$13.50 | \$38.46  |
| Cypress           | Clay, southerly           | 1,299.33 | 430.25  | 1,729.58 |
| Charleston avenue | Rochelle avenue, westerly | 56.00    | 45.00   | 101.00   |
| Dubuque           | Kelley, southerly         | 15.75    | 9.00    | 24.75    |
| Douglas           | Barr, westerly            | 51.25    | 40.50   | 101.75   |
| Dartmouth         | .....                     | .....    | .....   | .....    |
| Frederick         | Goffe, southerly          | 17.25    | .....   | 17.25    |
| Dartmouth         | .....                     | 14.00    | .....   | 14.00    |
| Elm               | Langdon to Webster        | 802.13   | 508.24  | 1,310.37 |
| Eddy road         | .....                     | 11.00    | 9.00    | 20.00    |
| Elm avenue        | .....                     | 99.07    | 99.11   | 198.18   |
| Elm               | (Block paving job)        | 13.38    | 13.50   | 26.88    |
| East Spruce       | Kennedy to Canton         | 189.73   | 228.36  | 418.09   |
| Franklin          | Granite to Market         | 7.02     | 6.75    | 13.77    |
| Franklin          | West Cedar to West Auburn | 49.90    | 22.50   | 72.40    |
| Granite           | West, westerly            | 8.43     | 10.12   | 18.55    |
| Goffe             | South Main, easterly      | 128.50   | 37.50   | 166.00   |
| Hanover           | (Boulevard)               | 165.13   | 45.00   | 210.13   |
| Hancock           | .....                     | 188.98   | 151.15  | 340.13   |
| Hall              | .....                     | 1.23     | .....   | 1.23     |
| Hanover           | Corner Bridge             | 39.10    | 11.45   | 50.55    |
| Hanover           | Near Mammoth road         | 135.08   | 49.50   | 184.58   |
| Havell            | Main, easterly            | 7.00     | 4.50    | 11.50    |
| Kelley            | Coolidge avenue, westerly | 70.12    | 31.50   | 101.62   |
| Kelley            | Dubuque, westerly         | 167.22   | 105.75  | 272.97   |
| Kenny             | Lake avenue to Spruce     | 160.36   | 49.50   | 209.76   |
| Lake avenue       | Chestnut to Pine          | 65.65    | 29.25   | 94.90    |
| Milton            | Corner Central            | 352.17   | 179.50  | 531.67   |
| Mast road         | .....                     | 15.75    | 4.50    | 20.25    |
| Millford          | Linden to Hall            | 10.50    | 9.00    | 19.50    |
| Myrtle            | .....                     | .....    | .....   | .....    |
| Manchester        | Maple to Lincoln          | 15.75    | 13.50   | 29.25    |
| Myrtle            | .....                     | 7.00     | 6.55    | 13.55    |
| Myrtle            | Elm to Chestnut           | 3.00     | 5.00    | 8.71     |
| Maple             | Cedar to Auburn           | .....    | .....   | .....    |
| Maple             | Wayne to Putnam           | 1,403.53 | 546.42  | 1,649.95 |
| Notre Dame avenue | Amory, northerly          | 25.50    | 9.00    | 34.50    |

|                             |                                   |             |            |             |
|-----------------------------|-----------------------------------|-------------|------------|-------------|
| North .....                 | Walnut, easterly .....            | 141.50      | 47.25      | 188.75      |
| Pearl .....                 | Walnut to Russell .....           | 7.05        | 8.23       | 15.28       |
| Putnam .....                | Bartlett, westerly .....          | 16.25       | 47.75      | 47.75       |
| Parker .....                | South Main, westerly .....        | 158.87      | 122.50     | 281.37      |
| Prospect .....              | Pine to Union .....               | 65.30       | 77.63      | 142.93      |
| Putnam .....                | Corner of Wayne .....             | 18.50       | 9.00       | 27.50       |
| Putnam .....                | Bartlett to Whipple .....         | 61.46       | 49.50      | 110.96      |
| Park avenue .....           | River road to Crown .....         | 83.66       | 27.00      | 110.66      |
| Rochelle avenue .....       | Mast, southerly .....             | 6.00        | 4.50       | 10.50       |
| River road .....            | (Amoskeag) .....                  | 54.27       | .....      | 54.27       |
| Rimmon .....                | Wayne to Putnam .....             | 17.75       | 22.50      | 40.25       |
| Railroad .....              | .....                             | 6.00        | 2.44       | 8.44        |
| Rimmon .....                | Wayne, southerly .....            | 11.50       | 1.22       | 12.72       |
| River road .....            | West Salmon, northerly .....      | 1,001.46    | 568.25     | 1,569.71    |
| River road .....            | Ready, southerly .....            | 181.08      | 38.18      | 219.26      |
| River road .....            | (North) .....                     | 125.09      | 82.13      | 207.22      |
| South Main and Fourth ..... | .....                             | 20.00       | 13.50      | 33.50       |
| South Main .....            | Allen, southerly .....            | 42.25       | 31.50      | 73.75       |
| Spruce .....                | Maple, westerly .....             | 594.80      | 633.37     | 1,228.17    |
| Somerville .....            | Lincoln to Wilson .....           | 93.26       | 36.00      | 129.26      |
| Sullivan .....              | Notre Dame avenue, westerly ..... | 9.61        | 11.24      | 20.85       |
| Somerville .....            | .....                             | 1,389.75    | 376.07     | 1,765.82    |
| Thornton .....              | Putnam, southerly .....           | 40.37       | 22.50      | 62.87       |
| Thornton .....              | Janelle avenue to Putnam .....    | 79.87       | 18.00      | 97.87       |
| Union .....                 | Webster, northerly .....          | 539.52      | 306.63     | 846.15      |
| Union .....                 | Elm to Everett .....              | 48.33       | 15.75      | 64.08       |
| Waldo .....                 | Elm to Chestnut .....             | 92.75       | 36.00      | 128.75      |
| Webster .....               | Elm to Chestnut .....             | 412.87      | 304.84     | 717.71      |
| Willow .....                | At Colhas shoe shop .....         | 523.00      | 342.00     | 865.00      |
| West Salmon .....           | Elm, westerly .....               | 91.51       | 76.50      | 168.01      |
| Welch avenue .....          | .....                             | 29.50       | 9.00       | 38.50       |
| Wilson .....                | Granite to Conant .....           | 144.16      | 63.00      | 207.16      |
| West .....                  | Granite to Parker .....           | 80.50       | 9.00       | 89.50       |
| West .....                  | At Canal .....                    | 103.28      | 57.38      | 160.66      |
| West Central .....          | .....                             | .....       | .....      | .....       |
|                             |                                   | \$15,234.03 | \$8,409.08 | \$23,643.11 |

## ITEMIZED OPERATIONS (Miscellaneous Work).

|  | Labor.     | Teams.   | Total.     |
|--|------------|----------|------------|
| Crusher, South Elm street.....   | \$5.96     | \$0.61   | \$6.57     |
| Cleaning crossings .....   | 93.98      | .....    | 93.98      |
| Erecting reviewing stand (Parade French-American) .....                      | 11.30      | 2.45     | 13.75      |
| Elm, corner Salmon .....   | 14.13      | 1.13     | 15.26      |
| Erecting automobile signboards.....  | 3.38       | .....    | 3.38       |
| Hauling sand to barn from Bank.....  | 3.50       | 9.00     | 12.50      |
| Hauling stone, sand and circles from Byron Worthen's house to city yard..... | 2.74       | 2.25     | 4.99       |
| High school .....  | 9.83       | 4.50     | 14.33      |
| Hauling cement to Amoskeag Mfg. Co....                                       | 11.22      | 9.18     | 20.40      |
| Lake avenue, between Chestnut and Pine.                                      | 82.04      | 27.20    | 109.24     |
| Lake avenue (paving job).....  | 6.15       | 7.35     | 13.50      |
| Mast .....   | 10.40      | 13.46    | 23.86      |
| Orange, Oak to Linden.....   | .....      | .....    | .....      |
| Orange, corner Walnut.....   | .....      | .....    | .....      |
| Beech, corner Merrimack.....   | .....      | .....    | .....      |
| Hall, Bridge to Mead.....  | 15.75      | 22.50    | 38.25      |
| Plummer, Pine to Union.....  | .....      | .....    | .....      |
| Hollis, Elm to Canal.....  | .....      | .....    | .....      |
| Dean back street at Hubbard's.....   | .....      | .....    | .....      |
| Hall, Bridge to East High.....   | .....      | .....    | .....      |
| Hall, Hanover to Amherst.....  | 30.46      | 32.92    | 63.38      |
| Pleasant, Elm to Franklin.....   | .....      | .....    | .....      |
| Granite, Elm to Franklin.....  | .....      | .....    | .....      |
| Franklin, Granite to Market.....   | .....      | .....    | .....      |
| Spruce, corner Elm.....  | .....      | .....    | .....      |
| Hall, Hanover to Manchester.....   | 3.50       | 4.50     | 8.00       |
| Picking stone .....  | 173.49     | .....    | 173.49     |
| Repairing roller .....   | 7.87       | .....    | 7.87       |
| Repairing pitch holes.....   | 12.80      | 6.95     | 19.75      |
| River road, crusher.....   | 765.12     | 137.25   | 902.37     |
| Road machine work.....   | .....      | .....    | .....      |
| Eddy road, 2,730 feet.....   | .....      | .....    | .....      |
| Dartmouth street, 840 feet.....  | .....      | .....    | .....      |
| Goffe street, 700 feet.....  | .....      | .....    | .....      |
| Wentworth street, 1,750 feet.....  | 28.00      | 18.00    | 46.00      |
| Repairing fence, South Main.....   | 12.75      | .....    | 12.75      |
| Rimmon ledge (picking gravel).....   | 13.00      | 2.25     | 15.25      |
| Second street .....  | 3.60       | 5.41     | 9.01       |
| Unloading paving blocks.....   | 41.38      | 18.00    | 59.38      |
| Unloading stone (Electric Light station sidetrack) .....                     | 15.88      | 20.25    | 36.13      |
| Unloading stone (Electric Light station sidetrack) .....                     | 15.92      | 18.01    | 33.93      |
| Unloading car cement to shed.....  | 25.88      | 15.75    | 41.63      |
| Unloading paving blocks, track No. 10....                                    | 11.72      | 2.45     | 14.17      |
| Unloading stone (city yard) .....  | 482.70     | .....    | 482.70     |
| Unloading pipe (city yard).....  | 33.38      | .....    | 33.38      |
| Wilson Hill ledge .....  | 3,000.65   | 194.83   | 3,195.48   |
| Willow street at Cohas shoe shop.....  | 4.26       | .....    | 4.26       |
|  | \$4,952.74 | \$576.20 | \$5,528.94 |



The following is a list of highways built during the year 1910 which were included in the list of highways under the estimate of expenses for 1910:

| LOCATION.    | LIMITS.                               |
|--------------|---------------------------------------|
| Amherst      | Pine to Union                         |
| Bay          | Judge Hunt's to Carpenter St          |
| Bedford      | Granite to West Central               |
| Boynton      | Allen to Bedford line                 |
| Boynton      | South Main to Allen                   |
| Bridge       | Elm to Maple                          |
| Brown avenue | Elm to Byron                          |
| Kenney       | Lake avenue to Spruce                 |
| Park avenue  | River road, westerly                  |
| River road   | West Salmon to West Webster           |
| Salmon, West | Elm to Amoskeag bridge                |
| Second       | Blaine to Harvell                     |
| Second       | Harvell to South Main                 |
| Somerville   | Belmont to Jewett                     |
| Spruce       | Pine to Beech ( $\frac{1}{2}$ )       |
| Spruce       | Beech to Massabesic ( $\frac{1}{2}$ ) |
| Webster      | Elm to Carpenter                      |
| West         | Conant to Parker                      |

WATERING STREETS.

| EXPENDITURES.                     |                              | RECEIPTS.   |             |                     |                       |
|-----------------------------------|------------------------------|-------------|-------------|---------------------|-----------------------|
| For                               | To                           | Cr.         | Dr.         | By                  | For                   |
| Care of watering<br>through ..... | Alex Champagne .....         | \$3.00      | \$10,000.00 | Common council..... | Watering streets..... |
| Freight .....                     | Boston & Maine R. R. ....    | 9.70        |             |                     |                       |
| Ice .....                         | Manchester Coal & Ice Co. .  | \$68.74     |             |                     |                       |
|                                   | Maxwell Ice Co. ....         | 146.55      |             |                     |                       |
| Labor .....                       | Robie Con. Concrete Co. .... | 215.29      |             |                     |                       |
| New equipment.....                | Chandler Eastman & Co. ....  | 165.91      |             |                     |                       |
|                                   | John B. Varick Co. ....      | 375.00      |             |                     |                       |
| Payroll .....                     | Division No. 2 .....         | \$5,457.60  |             |                     |                       |
|                                   | 7 .....                      | 1,192.71    |             |                     |                       |
|                                   | 10 .....                     | 1,314.87    |             |                     |                       |
| Repairs to equipment              | The S. P. Dodge Co. ....     |             | 7,965.18    |                     |                       |
| Road oil.....                     | Indian Refining Co. ....     |             | 29.95       |                     |                       |
| Supplies .....                    | Geo. W. Dodge Shoe Co. ....  |             | 546.75      |                     |                       |
|                                   | Kearns & Goldie.....         | \$32.00     |             |                     |                       |
|                                   | Kimball Carriage Co. ....    | 4.30        |             |                     |                       |
|                                   | Fred F. Osgood.....          | 2.80        |             |                     |                       |
|                                   | Pike & Heald Co. ....        | 3.15        |             |                     |                       |
|                                   | John B. Varick Co. ....      | 41.04       |             |                     |                       |
|                                   | West Side Lumber Co. ....    | 9.89        |             |                     |                       |
|                                   |                              | 2.00        |             |                     |                       |
|                                   |                              | 94.88       |             |                     |                       |
| Balance .....                     | Common council .....         | \$9,980.66  | \$10,000.00 |                     |                       |
|                                   |                              | 19.34       |             |                     |                       |
|                                   |                              | \$10,000.00 | \$10,000.00 |                     |                       |

## ITEMIZED OPERATIONS.

|  | Labor.     | Teams.     | Total.     |
|--|------------|------------|------------|
| Flushing streets .....   | \$550.90   | .....      | \$550.90   |
| Miscellaneous work .....   | 35.64      | \$2.55     | 38.19      |
| Repairing, cleaning and painting fountains<br>and watering troughs ..... | 158.70     | 3.96       | 162.66     |
| Repairing standpipes.....  | 75.45      | 3.35       | 78.80      |
| Sprinkling streets, Divisions Nos. 2, 7, 10.                             | 88.26      | 6,654.36   | 6,742.62   |
| Treating streets with oil.....   | 149.84     | 242.17     | 392.01     |
|  | \$1,058.79 | \$6,906.39 | \$7,965.18 |



MACADAMIZING STREETS.

| EXPENDITURES.                      |                           | RECEIPTS.   |             |                     |                           |
|------------------------------------|---------------------------|-------------|-------------|---------------------|---------------------------|
| For                                | To                        | Cr.         | Dr.         | By                  | For                       |
| Broken stone.....                  | Fred E. Ellis.....        | \$14.22     | \$10,000.00 | Common council..... | Macadamizing streets..... |
|                                    | Winchester Stone Co.....  | 576.05      |             |                     |                           |
| Car service.....                   | Doston & Maine R. R. .... | .....       |             |                     |                           |
| Coal .....                         | L. B. Bodwell Co.....     | .....       |             |                     |                           |
| Corner curbing.....                | Chas. A. Bailey.....      | \$360.05    |             |                     |                           |
|                                    | Palmer & Garmon.....      | 134.52      |             |                     |                           |
| Insurance ( steam<br>boiler) ..... | S. B. Stearns.....        | .....       |             |                     |                           |
| Labor .....                        | Amoskeag Mfg. Co.....     | 47.96       |             |                     |                           |
| Lights .....                       | Standard Oil Co.....      | 28.50       |             |                     |                           |
| Old bills.....                     | Winchester Stone Co.....  | 5.50        |             |                     |                           |
| Payroll .....                      | Division No. 2 .....      | 292.64      |             |                     |                           |
|                                    | 10 .....                  | 11.00       |             |                     |                           |
| Tarvia .....                       | Barrett Mfg. Co.....      | 269.07      |             |                     |                           |
| State aid (contract).....          | James F. Cavanaugh.....   | 520.00      |             |                     |                           |
| River road contract.....           | James F. Cavanaugh.....   | 676.81      |             |                     |                           |
| Webster-St. contract.....          | James F. Cavanaugh.....   | 2,201.51    |             |                     |                           |
|                                    | Common council .....      | 1,000.00    |             |                     |                           |
| Balance .....                      | Common council .....      | \$6,702.14  | \$10,000.00 |                     |                           |
|                                    |                           | 3,297.86    |             |                     |                           |
|                                    |                           | \$10,000.00 | \$10,000.00 |                     |                           |

## SETTING EDGESTONES, CORNER CURB AND PAVING GUTTERS.

| STREET.             | LOCATION.                   | Size of circle. | Cost of circle. | Length. | Total cost. | Length edge-stone. |
|---------------------|-----------------------------|-----------------|-----------------|---------|-------------|--------------------|
| Amherst             | Lincoln, southeast corner   | 2-3             | \$6.31          | 9.42    | \$26.75     | 154                |
| Beech               | Salmon                      | 9-10            | 94.61           | 141.21  | 45.87       | 53                 |
| Bedford             | Granite, northerly          | 4-3             | 18.84           |         |             | 550 new            |
|                     |                             | 2-10            | 31.38           |         | 547.19      | 156 old            |
| Brown avenue        | Elm, westerly               | 2-12            | 95.29           | 37.68   |             |                    |
|                     |                             | 10-10           | 105.12          | 156.90  | 228.40      |                    |
| Beacon              | Hanover                     | 1-10            | 10.51           | 15.69   | 10.00       | 35                 |
| Bridge (north side) | Between Birch and Chestnut  | 2-3             | 6.35            | 9.42    | 11.25       | 36                 |
| Beacon              | Lowell                      | 1-10            | 10.51           | 15.69   | 16.90       | 100                |
| Beech               | Lake avenue                 |                 |                 |         | 9.10        | 125                |
| Beech               | At No. 830                  | 1-10            | 10.51           | 15.69   | 47.55       | 50                 |
| Bridge              | Birch                       | 1-10            | 10.51           | 15.69   |             | 228                |
| Birch               | Back street                 | 1-3             | 3.16            | 4.71    |             | 7                  |
| Canal               | West Central                | 3-10            | 31.54           | 47.07   | 152.25      | 457                |
| Chestnut            | Bridge                      | 1-10            | 10.51           | 15.69   | 24.60       | 108                |
| Chester             | Between Lincoln and Ashland |                 |                 |         | 11.35       |                    |
| Concord             | At Jollette club            |                 |                 |         | 9.60        | 76                 |
| Dubuque             | North of Amory              |                 |                 |         | 16.16       | 106                |
| Davis               | Manchester                  |                 |                 |         | 7.77        | 90                 |
| Elm                 | At C. A. Bailey's           | 1-12            | 12.62           | 18.84   |             |                    |
| Elm                 |                             | 2-3             | 5.65            | 9.42    | 42.14       | 158                |
| Elm                 | Opposite Trenton            | 2-3             | 5.65            | 9.42    |             | 86                 |
| Elm                 | Franklin, west              | 1-10            | 10.51           | 15.69   | 10.38       | 85                 |
| Harrison            | Linden, easterly            |                 |                 |         | 103.12      | 216.25             |
| Hanover             | At Crown theatre            |                 |                 |         | 13.00       | 43                 |
| Hanover             | Lincoln                     |                 |                 |         |             |                    |
| Hanover             | Lincoln                     |                 |                 |         |             |                    |
| Chester             | Hubbard                     | 2-10            | 21.02           | 31.38   | 75.25       |                    |
| Hanover             | Hanover                     | 2-8             | 16.80           | 25.08   | 11.35       | 277                |
| Hanover             | Hamilton                    |                 |                 |         | 23.26       |                    |
| Hanover             | Between Maple and Lincoln   |                 |                 |         | 17.25       |                    |
| Hanover             |                             | 2-10            | 21.02           | 31.38   |             |                    |
| Kennedy             |                             | 2-3             | 6.31            | 9.42    | 82.70       | 200                |



|                          |  |      |          |          |            |           |
|--------------------------|--|------|----------|----------|------------|-----------|
| Kearsarge .....          | South of Amory .....                   | 1-10 | 10.51    | 15.69    | 6.22       | 50        |
| Kelley .....             | Dubuque .....                          | 4-3  | 12.62    | 18.84    | 25.79      |           |
| Lincoln .....            | Between Merrimack and Manchester ..... |      |          |          |            |           |
| Lincoln .....            | Merrimack .....                        |      |          |          | 22.50      | 57        |
| Lake avenue .....        | Between Chestnut and Pine .....        |      |          |          | 53.59      | 231       |
| Lowell .....             | Beacon .....                           |      |          |          | 90.91      | 625 reset |
| Merrimack .....          | Between Lincoln and Wilson .....       |      |          |          | 9.50       | 300       |
| Main .....               | South of Wayne .....                   |      |          |          | 9.01       | 73        |
| Maple .....              | Between Concord and Lowell .....       |      |          |          | 3.75       | 12        |
| Milton .....             | Central .....                          | 4-8  | 33.61    | 50.16    | 11.00      | 60        |
| Merrimack .....          | Between Elm and Chestnut .....         |      |          |          | 16.90      |           |
| Notre Dame avenue .....  | Wayne .....                            | 1-10 | 10.51    | 15.69    | 3.38       |           |
| North .....              | Walnut .....                           | 3-10 | 31.54    | 47.07    | 7.50       |           |
| Notre Dame avenue .....  | Putnam to Wayne .....                  | 4-3  | 12.62    | 18.84    | 41.75      | 141       |
| Pine .....               | At Valley cemetery .....               |      |          |          | 75.01      | 453       |
| Putnam .....             | Whipple .....                          | 2-3  | 6.31     | 9.42     | 143.43     |           |
| Prospect .....           | Walnut (southwest corner) .....        | 2-8  | 16.80    | 25.08    | 10.00      |           |
| River road (North) ..... | Walnut (southeast corner) .....        | 1-10 | 10.51    | 15.69    | 15.01      |           |
| River road (North) ..... | Ready (southerly) .....                | 7-10 | 73.59    | 109.83   | 2.01       |           |
| River road (North) ..... | At L. G. Smith s. .....                | 2-3  | 6.31     | 9.42     | 107.64     |           |
| River road .....         | At George Trudel's .....               |      |          |          | 16.90      | 210       |
| Salmon .....             | Agawam .....                           | 1-10 | 10.51    | 15.69    | 15.25      | 86        |
| Spruce .....             | Bay .....                              | 1-3  | 3.16     | 4.71     | 16.90      | 58        |
| Spruce .....             | Between Canton and Kenney .....        |      |          |          | 49.19      | 250       |
| Pine .....               | Pine to Barry avenue .....             |      |          |          | 59.75      | 83        |
| Trenton .....            | Spruce, southerly .....                |      |          |          | 32.05      | 46        |
| Union .....              | Elm .....                              | 1-12 | 12.62    | 18.84    | 101 reset  |           |
| Valley .....             | At No. 1192 .....                      | 2-10 | 21.02    | 31.38    | 316.33     | 248       |
| Walnut .....             | Pine .....                             |      |          |          | 89.31      | 100       |
| Webster .....            | Prospect .....                         | 1-10 | 10.51    | 15.69    | 3.19       |           |
| West Webster .....       | Elm to Chestnut .....                  | 1-3  | 3.16     | 4.71     | 41.25      |           |
| West Auburn .....        | River road .....                       |      |          |          | 174.65     |           |
| Willow .....             | Franklin .....                         | 1-8  | 8.40     | 12.54    | 7.12       |           |
|                          | At Cohas shoe shop .....               | 2-3  | 6.31     | 9.42     | 133.13     |           |
|                          |  |      |          |          | 82.59      | 391       |
|                          |  |      | \$741.92 | 1,109.31 | \$3,092.28 | 7,040.25  |

GRADING FOR CONCRETE.

| EXPENDITURES.       |                        | RECEIPTS.  |            |                      |                           |
|---------------------|------------------------|------------|------------|----------------------|---------------------------|
| For                 | To                     | Cr.        | Dr.        | By                   | For                       |
| Corner curbing..... | Palmer & Garmon.....   | \$623.11   | \$2,000.00 | Common council.....  | Grading for concrete..... |
| Lights .....        | Arthur A. Warren.....  | 6.00       | 40.00      | Rev. John J. Brophy. | Curbing .....             |
| Payroll .....       | Division No. 2 .....   | \$4,922.35 |            |                      |                           |
|                     | 7 .....                | 341.73     |            |                      |                           |
|                     | 10 .....               | 765.87     |            |                      |                           |
| Supplies .....      | John B. Varick Co..... | 6,029.95   |            |                      |                           |
|                     |                        | 35.61      |            |                      |                           |
|                     |                        | \$6,694.70 | \$2,040.00 | Common council.....  | Overdraft .....           |
|                     |                        | \$6,694.70 | 4,654.70   |                      |                           |
|                     |                        |            | \$6,694.70 |                      |                           |

GUTTER PAVING.

| STREET.              | LOCATION.                   | Length. | Width. | Square yards. | Labor.   |
|----------------------|-----------------------------|---------|--------|---------------|----------|
| Brown avenue         | Elm, westerly               | 100     | 3      | 300           | \$4.52   |
| Canal                | West Central                | 250     | 4      | 1,000         | .....    |
| Chesey place         | Elm street to Brown avenue  | 225     | 3      | 675           | 65.50    |
| Hancock              | .....                       | 750     | 3      | 2,250         | 116.00   |
| Kenney               | .....                       | 675     | 3      | 2,025         | 82.70    |
| Lincoln              | Merrimack                   | 200     | 3      | 600           | 53.59    |
| Merrimack            | Between Lincoln and Wilson  | 231     | 3      | 693           | 9.01     |
| North                | Between Walnut and Beech    | 73      | 3      | 219           | 40.81    |
| River road, North    | Ready, south                | 240     | 3½     | 840           | 107.64   |
| Salmon               | Bay, northwest corner       | 750     | 3      | 2,250         | .....    |
| Spruce               | Between Canton and Kenney   | 150     | 2      | 300           | 49.19    |
| Thornton             | North of Putnam, (Thornton) | 860     | 3½     | 3,010         | 59.75    |
| Thornton             | ..... (Putnam)              | 48      | 3      | 144           | .....    |
| Union                | Prospect                    | 124     | 3      | 372           | 8.25     |
| Union                | Corner Webster              | 106     | 3      | 318           | 13.75    |
| Walnut               | Prospect                    | 225     | 3      | 675           | 33.03    |
| West Salmon          | .....                       | 209     | 3½     | 731.5         | 41.25    |
| Willow               | At Cohas shoe shop          | 1,510   | 3      | 4,530         | 87.88    |
|                      |                             | 395     | 3      | 1,185         | .....    |
|                      |                             | 375     | 3      | 1,125         | .....    |
|                      |                             |         |        | 23,992.5      | \$783.79 |
| Cartier east back    | South of Amory              | .....   | .....  | .....         | \$21.00  |
| East Spruce          | Kenney to Canton            | .....   | .....  | .....         | 44.39    |
| Harrison, north side | Linden, easterly            | .....   | .....  | .....         | 103.13   |
| Hanover              | (Boulevard)                 | .....   | .....  | .....         | 100.51   |
| Milton               | Central                     | .....   | .....  | .....         | 45.00    |
| Prospect             | Walnut                      | .....   | .....  | .....         | 15.01    |
| River road           | Elm to Chestnut             | .....   | .....  | .....         | 317.04   |
| Webster              | Near Canal                  | .....   | .....  | .....         | 127.40   |
| West Central         | .....                       | .....   | .....  | .....         | 15.89    |
|                      |                             |         |        |               | \$789.37 |

## PAVING GUTTERS.

|  | Labor.   | Team.    | Total.   | Charge to            |
|--|----------|----------|----------|----------------------|
| Block paving .....   | \$12.13  | .....    | \$12.13  | M. T. L. & P. Co.... |
| Hauling pump for Cohas shoe shop .....                         | 2.16     | \$2.25   | 4.41     | W. H. McElwain Co.   |
| Setting curbing and two stepping stones.....                   | 9.00     | .....    | 9.00     | Amariah Avery.....   |
| Blasting out pole holes.....                                   | 8.52     | .61      | 9.13     | Byron Worthen.....   |
| Building sidewalk .....  | 14.63    | .....    | 14.63    | N. E. T. & T. Co.... |
|  | 401.28   | 151.15   | 552.43   | Valley cemetery..... |
| Elm street at North and Webster.....                           |          |          |          |                      |
| No. 352 Laurel street.....                                     |          |          |          |                      |
| No. 524 Lake avenue, 21 bags cement, 2 loads stone .....       |          |          |          |                      |
| Trenton street, corner Elm, 8 lbs. dynamite, 23 exploders..... |          |          |          |                      |
| Valley and Pine streets, at Valley cemetery .....              |          |          |          |                      |
| Valley street side:  |          |          |          |                      |
| 78 loads No. 3 stone (Salem)                                   |          |          |          |                      |
| 11 loads No. 2 stone   |          |          |          |                      |
| Pine street side:  |          |          |          |                      |
| 8 loads Pea stone  |          |          |          |                      |
| 31 loads dust  |          |          |          |                      |
| 46 loads No. 3 stone   |          |          |          |                      |
| 35 loads No. 2 stone   |          |          |          |                      |
| 18 loads dust  |          |          |          |                      |
| 7 loads dust (city pile)                                       |          |          |          |                      |
|  | \$447.72 | \$145.01 | \$601.73 |                      |

MISCELLANEOUS GRADING.

| STREET.                        | LOCATION.                                 | Labor.   | Teams.   | Total.     |
|--------------------------------|---|----------|----------|------------|
| Amory .....                    | West of Alsace .....                      | \$7.50   | .....    | \$7.50     |
| Amory .....                    | West of Cumberland .....                  | 16.50    | \$4.50   | 21.00      |
| Beech .....                    | Lake avenue .....                         | 14.75    | 4.50     | 19.25      |
| Blaine .....                   | Third .....                               | 22.75    | 9.00     | 31.75      |
| Bartlett .....                 | Putnam .....                              | 7.50     | .....    | 7.50       |
| Cumberland .....               | South of Amory .....                      | 21.25    | 9.00     | 30.25      |
| Central .....                  | East of Milton .....                      | 31.15    | 9.00     | 40.15      |
| Cumberland .....               | Amory .....                               | 8.46     | .....    | 8.46       |
| East High .....                | North side between Beacon and Union ..... | 24.50    | 18.00    | 42.50      |
| Hevey .....                    | North of Kelley .....                     | 7.50     | .....    | 7.50       |
| Merrimack .....                | Northeast corner Lincoln .....            | 5.45     | 61       | 6.06       |
| Maple .....                    | At No. 639 .....                          | 5.25     | 4.50     | 9.75       |
| Notre Dame avenue .....        | South of Wayne .....                      | 36.25    | .....    | 36.25      |
| Putnam .....                   | West of Bartlett .....                    | 278.75   | 20.25    | 299.00     |
| River road (east side) .....   | East of Notre Dame avenue .....           | 7.25     | .....    | 7.25       |
| Spruce .....                   | North of West Clarke .....                | 23.30    | 12.47    | 35.77      |
| West Salmon (north side) ..... | Canton .....                              | 11.00    | .....    | 11.00      |
| Youngsville schoolhouse .....  | .....                                     | 28.88    | 92.50    | 51.38      |
| Miscellaneous grading .....    | Various locations .....                   | 257.50   | 72.00    | 329.50     |
|                                |   | 73.48    | 22.50    | 95.98      |
|                                |   | \$888.97 | \$208.83 | \$1,097.80 |

SCAVENGER SERVICE.  
FINANCIAL STATEMENT.

| EXPENDITURES.           |                            | RECEIPTS.   |             |                     |                         |
|-------------------------|----------------------------|-------------|-------------|---------------------|-------------------------|
| For                     | To                         | Cr.         | Dr.         | By                  | For                     |
| Freight .....           | Boston & Maine R. R.....   | \$32.00     | \$30,000.00 | Common council..... | Scavenger service ..... |
| Inspector's salary..... | Levi J. Proctor.....       | 944.97      |             |                     |                         |
| New equipment.....      | Ranno Saddlery Co.....     | \$120.00    |             |                     |                         |
|                         | J. Spencer Turner Co.....  | 228.75      |             |                     |                         |
|                         | Watson Wagon Co.....       | 779.30      |             |                     |                         |
| Payroll .....           | Division No. 2 .....       | \$13,609.72 |             |                     |                         |
|                         | 7 .....                    | 1,935.31    |             |                     |                         |
|                         | 10 .....                   | 4,420.04    |             |                     |                         |
| Scavenger contract...   | Mrs. W. H. Bickford, admx. |             | 19,965.07   |                     |                         |
| Supplies .....          | The John B. Clarke Co..... | \$15.00     | 1,922.64    |                     |                         |
|                         | Frost Paint & Mfg. Co..... | 13.50       |             |                     |                         |
|                         | Ranno Saddlery Co.....     | 7.50        |             |                     |                         |
|                         | J. Arthur Williams.....    | 11.25       |             |                     |                         |
| Tools .....             | John B. Varick Co.....     | 47.25       |             |                     |                         |
|                         |                            | 76.03       |             |                     |                         |
| Balance .....           | Common council .....       | \$24,116.01 | \$30,000.00 |                     |                         |
|                         |                            | 5,883.99    |             |                     |                         |
|                         |                            | \$30,000.00 | \$30,000.00 |                     |                         |



ITEMIZED OPERATIONS.  
COLLECTION.

The city is divided into routes including territory as listed and are covered and collected on days as indicated in the next following table.

| Route.        | Location (Including Territory Bounded By).  |
|---------------|---|
| No. 1.        | Harrison, Elm, West Salmon, River road, Rowell, Union, Webster, Union east back.                                  |
| No. 2.        | Orange, Elm, Harrison, Union east back, Webster, Walnut east back.  |
| No. 3.        | Orange, Walnut east back, Webster, Beech east back, Sagamore, Linden.   |
| No. 4.        | Bridge, Beech, Orange, and Belmont.   |
| No. 5.        | Concord, Nashua, Bridge, and Highland.  |
| No. 6.        | Nashua, Ash, and Bridge.  |
| No. 7.        | Concord, Union, Bridge, and Ash.  |
| No. 8.        | Concord, Chestnut, Orange, Beech, Bridge, and Union.  |
| No. 9.        | Concord, Elm, Orange, and Chestnut.   |
| No. 10.       | Beech, Concord, Beacon, Hanover, Hall, and Manchester.  |
| No. 11.       | Manchester, Union, Concord, and Beech.  |
| No. 12.       | Manchester, Elm, Concord, and Chestnut (now included in Route No. 23).  |
| No. 13.       | Hall, Hanover, Beacon, Merrimack, Cass, and Lake avenue.  |
| No. 14.       | Beech, Manchester, Hall, Lake avenue, Wilson, and Lake avenue south back.   |
| No. 15.       | Manchester, Beech, Laurel, Chestnut, Merrimack, and Elm.  |
| No. 16.       | Lake avenue, Elm, Central, Chestnut, Laurel, and Beech.   |
| No. 17.       | Lake avenue south back, Beech, Wilson, Spruce south back, Lincoln, Cedar south back, Maple and Auburn south back. |
| No. 18.       | Lake avenue, Beech, Auburn, and Elm.  |
| No. 19.       | Pine, Auburn, Beech, Bell, Calef road, Baker, Brown avenue, Elm, Auburn, Willow, Valley, Pine, and Hayward.       |
| Nos. 20 & 21. | Elm to corporation district, from Auburn to Langdon.  |
| No. 22.       | Chestnut, Concord, Union, and Manchester.   |
| No. 23.       | Elm from Merrimack common to Orange, including Route No. 12 and part of Route No. 9.                              |
| No. 31.       | Piscataquog river, Merrimack river, Schiller, Second, Woodbury, and South Main.                                   |
| No. 32.       | South Main to south of Harvell, Donald, and Milford.  |
| No. 33.       | Milford, Sylvester, Avon, Charleston avenue, Mast to Brock, Mast road, and South Main.                            |
| No. 34.       | Turner, 'Squog river, School, and South Main.   |
| No. 35.       | Turner, School, both sides of Main to 'Squog river, 'Squog river to Conant, and Granite.                          |
| No. 36.       | 'Squog river, Granite, and South Main.  |
| No. 37.       | Granite, Railroad, Conant, and Main.  |
| No. 38.       | Railroad, Conant, Notre Dame avenue, Adams, Gates, Blucher and the whole of Whittemore Flats.                     |

- No. 39. Conant, Notre Dame avenue, Sullivan, Cartier, Kelley, Coolidge avenue, Amory, and Main.
- No. 40. Main, Amory, and McGregor.
- No. 41. McGregor, Amory, and Main, north of Amory.
- No. 42. Cartier, Amory, and Columbus avenue.
- No. 43. Cartier, Kelley, Montgomery, and Amory.
- No. 44. Coolidge avenue, Mason, Montgomery, and Kelley.
- No. 45. Montgomery, westerly to Kimball and the residential section south of Amory and north of Kelley.
- No. 46. Includes the residential section of Amoskeag.
- No. 47. Valley, Wilson, Cilley road, Pine, and Willow.
- No. 48. Wilson, Taylor, Valley, and Cilley road.
- No. 49. Wilson, Spruce, Massabesic, Belmont, Summer, Dearborn, Taylor, and Valley.
- No. 50. Wilson, Lake avenue, Belmont, Massabesic, and Spruce.
- No. 51. Belmont, Summer, Dearborn, Taylor, Massabesic, Hall road, and Lake avenue.
- No. 52. Taylor, Massabesic, Mammoth road, Young, Somerville, Jewett, and Cilley road.
- No. 53. Hall road, Lake avenue, Mammoth road, Portsmouth railroad, Page, Candia road, and Massabesic.

## Days and Routes Collected

|          | Mondays. | Tuesdays. | Wednesdays. | Thursdays. | Fridays. | Saturdays. |
|----------|----------|-----------|-------------|------------|----------|------------|
| WW ....  | 1        | 2         | 3           | 1          | 2        | 3          |
| WW ....  | 4        | 6 & 8     | 9           | 5          | 6 & 8    | 9          |
| WW ....  | 10       | 11        | 6—8         | 10         | 11       | 6—8        |
| WW ....  | 13       | 14        | 17          | 17         | 13       | 19         |
| LW ..... | 23       | 23        | 23          | 23         | 23       | 23         |
| WW ....  | 20 & 21  | 20 & 21   | 20 & 21     | 20 & 21    | 20 & 21  | 20 & 21    |
| WW ....  | 18       | 16        | 18          | 16         | 18       | 16         |
| WW ....  | 1        | 15        | 3           | 15         | 2        | 15         |
| WW ..... | 40 & 39  | 40 & 42   | 40 & 44     |            |          |            |
|          |          |           | 46          | 40 & 45    | 40 & 41  | 40 & 43    |
| SW ..... | 34 & 38  | 35 & 36   | 32 & 33     | 37 & 38    | 31 & 35  | 34 & 35    |
| LW ..... | 52       | 47 & 50   | 51          | 48 & 50    | 53       | 49 & 50    |

WW—Watson wagon.

LW—Long sideboard wagon.

SW—Single wagon.

The Watson wagons (5-yard) have decreased the cost of collection and hauling in the ratio of five to two per cubic yard.

Following is a schedule, setting forth the route, cost of labor, cost of teams, total cost, number of loads and cubic yards collected during 1910.

SUMMARY OF SCAVENGER WORK FOR FIFTY-ONE WEEKS, ENDING DECEMBER 17, 1910.

| Route.           | Labor.      | Teams.     | Total cost. | Loads. | Cubic yards. |
|------------------|-------------|------------|-------------|--------|--------------|
| 1 .....          | \$1,024.06  | \$394.61   | \$1,418.67  | 658    | 3,346.74     |
| 2 .....          | 645.78      | 245.31     | 891.09      | 404    | 2,111.44     |
| 3 .....          | 526.17      | 207.00     | 733.17      | 307    | 1,600.64     |
| 4 .....          | 265.08      | 101.00     | 366.08      | 177    | 933.00       |
| 5 .....          | 278.19      | 106.00     | 384.19      | 181    | 949.00       |
| 6 & 8 .....      | 853.89      | 328.50     | 1,182.39    | 587    | 2,991.99     |
| 9 .....          | 574.71      | 219.50     | 794.21      | 367    | 1,956.98     |
| 10 .....         | 372.85      | 109.71     | 482.56      | 353    | 805.90       |
| 11 .....         | 358.91      | 108.50     | 467.41      | 349    | 799.75       |
| 13 .....         | 527.61      | 199.00     | 726.61      | 314    | 1,546.34     |
| 14 .....         | 267.72      | 98.00      | 365.72      | 170    | 756.33       |
| 15 .....         | 621.89      | 224.00     | 845.89      | 391    | 2,084.92     |
| 16 .....         | 644.50      | 234.04     | 878.54      | 410    | 2,224.33     |
| 17 .....         | 527.01      | 200.33     | 727.34      | 310    | 1,474.40     |
| 18 .....         | 1,080.10    | 393.65     | 1,473.75    | 706    | 3,591.00     |
| 19 .....         | 263.41      | 101.00     | 364.41      | 152    | 737.14       |
| 20 & 21 ...      | 1,614.31    | 606.00     | 2,220.31    | 989    | 5,168.08     |
| 22 .....         | 384.35      | 116.25     | 500.60      | 365    | 871.53       |
| 23 .....         | 1,521.85    | 598.00     | 2,119.85    | 1,018  | 5,466.20     |
| 31 .....         | 94.01       | 26.50      | 120.51      | 228    | 404.24       |
| 32 .....         | 94.03       | 26.50      | 120.53      | 173    | 321.42       |
| 33 .....         | 90.54       | 26.00      | 116.54      | 199    | 376.89       |
| 34 .....         | 168.00      | 47.50      | 215.50      | 321    | 599.14       |
| 35 .....         | 339.66      | 93.25      | 432.91      | 579    | 1,063.29     |
| 36 .....         | 97.57       | 27.50      | 125.07      | 192    | 357.40       |
| 37 .....         | 171.07      | 47.63      | 218.70      | 370    | 689.22       |
| 38 .....         | 151.01      | 46.00      | 197.01      | 281    | 578.52       |
| 39 .....         | 90.55       | 27.00      | 117.55      | 192    | 392.96       |
| 40 .....         | 522.27      | 155.00     | 677.27      | 678    | 1,387.43     |
| 41 .....         | 94.06       | 27.75      | 121.81      | 177    | 339.41       |
| 42 .....         | 91.44       | 26.50      | 117.94      | 186    | 367.78       |
| 43 .....         | 94.05       | 27.50      | 121.55      | 202    | 418.08       |
| 44 .....         | 43.90       | 12.77      | 56.67       | 69     | 144.05       |
| 45 .....         | 93.18       | 27.50      | 120.68      | 183    | 381.94       |
| 46 .....         | 53.21       | 15.70      | 68.91       | 108    | 215.40       |
| 47 .....         | 216.93      | 71.00      | 287.93      | 258    | 560.04       |
| 48 .....         | 215.16      | 70.25      | 285.41      | 291    | 603.76       |
| 49 .....         | 164.89      | 51.75      | 216.64      | 218    | 459.55       |
| 51 .....         | 236.32      | 74.50      | 310.82      | 316    | 682.58       |
| 52 .....         | 236.30      | 78.50      | 314.80      | 363    | 801.20       |
| 53 .....         | 176.72      | 58.50      | 235.22      | 243    | 501.68       |
| Total for routes | \$15,887.26 | \$5,655.50 | \$21,542.76 | 14,035 | 51,050.88    |
| Dump men         | 2,261.80    |            | 2,261.80    |        |              |
| Total            | \$18,149.06 | \$5,655.50 | \$23,804.56 | 14,035 | 51,050.88    |

## DISPOSAL.

The Wentworth-street dump is practically filled and further dumping will probably not be allowed. Arrangements have been made whereby the city may dump during the winter months in the Christian Brook valley east of Elm street. In the first dump, between Elm and Chestnut streets, a fill of about 22,000 yards will be required to bring the surface to about one foot below the finished grade; it would require all city teams about six months' time to make this fill, the teams, however, dumping are only those from the east side of the river, exclusive of East Manchester, and it would probably require twenty-eight weeks to fill the dump. The teams were turned into this dump about the nineteenth of December, 1910, and if dumping can be continued until about May 1, 1911, about 14,600 cubic yards of material will have been dumped in, leaving the dump about two thirds filled, and requiring about nine more weeks to complete the filling. In the event of abandoning this dump, other dumping ground must be found to take care of the city's refuse, which amounts on the average to about 1,000 cubic yards per week throughout the year. After this dump is abandoned the Putnam-street dump will be available, also one dump about three fourths of a mile beyond the Wentworth-street dump, and one small dump near Wentworth street.

The nearer the city the greater the cost of caring for the dump, three men being required at the North End dump at the present time; the further from the city the greater the cost of hauling, which is by all means one of the principal items to be considered exclusive of the sanitary conditions.





FOLLOWING IS A SCHEDULE GIVING THE LOCATION OF THE DUMPS, THE TOTAL NUMBER OF LOADS HAULED FROM EACH ROUTE TO EACH DUMP FOR 51 WEEKS ENDING DECEMBER 17, 1910.—*Concluded.*

| ROUTE.  | Wentworth. | Putnam. | Somerville. | Sagamore. | South Main, McQueston. | Boutwell. | North Union, Wiley's Ledge. | South Main, Smalley's. | Mast, Hoyt's. | Granite. | Bodwell. | City Yard. | Maxwell. |
|---------|------------|---------|-------------|-----------|------------------------|-----------|-----------------------------|------------------------|---------------|----------|----------|------------|----------|
| 45..... |            | 57      |             |           |                        | 73        |                             |                        |               |          | 57       |            | 100      |
| 46..... |            | 8       |             |           |                        |           |                             |                        |               |          |          |            |          |
| 47..... |            |         | 263         |           |                        |           |                             |                        |               |          |          |            |          |
| 48..... |            |         | 306         |           |                        |           |                             |                        |               |          |          |            |          |
| 49..... |            |         | 218         |           |                        |           |                             |                        |               |          |          |            |          |
| 51..... |            |         | 316         |           |                        |           |                             |                        |               |          |          |            |          |
| 52..... |            |         | 363         |           |                        |           |                             |                        |               |          |          |            |          |
| 53..... |            |         | 245         |           |                        |           |                             |                        |               |          |          |            |          |
|         | 7,083      | 4,181   | 1,880       | 3         | 109                    | 73        | 244                         | 137                    | 100           | 44       | 57       | 24         | 100      |

|                                 | Loads.        |
|---------------------------------|---------------|
| Wentworth.....                  | 7,083         |
| Putnam.....                     | 4,181         |
| Somerville.....                 | 1,880         |
| Sagamore.....                   | 3             |
| South Main, McQueston.....      | 109           |
| Boutwell.....                   | 73            |
| North Union, Wiley's Ledge..... | 244           |
| South Main, Mr. Smalley's.....  | 137           |
| Mast, Mr. Hoyt's.....           | 100           |
| Granite.....                    | 44            |
| Bodwell.....                    | 57            |
| City Yard.....                  | 24            |
| Maxwell.....                    | 100           |
| <b>Total.....</b>               | <b>14,035</b> |

|   |         |
|---|---------|
| Average number of cubic yards collected and hauled to dumps, per week, 1,000.99; per day, 166.83. |         |
| Average number of loads collected and hauled to dumps, per week, 275.19; per day, 45.86.          |         |
| Average cost per cubic yard collecting and hauling to dumps.....                                  | \$0.422 |
| Average cost per cubic yard caring for dumps.....   | .044    |
| Average cost per cubic yard collecting, hauling to and caring for dumps.....                      | \$0.466 |



STREET SWEEPING.

| EXPENDITURES.        |                          | RECEIPTS.   |             |                     |                       |
|----------------------|--------------------------|-------------|-------------|---------------------|-----------------------|
| For                  | To                       | Cr.         | Dr.         | By                  | For                   |
| Freight .....        | Boston & Maine R. R..... | \$0.83      | \$10,000.00 | Common council..... | Street sweeping ..... |
|                      | H. Thompson.....         | 1.50        |             |                     |                       |
| Payroll .....        | Division No. 2 .....     | \$5,511.57  |             |                     |                       |
|                      | 10 .....                 | 2,203.41    |             |                     |                       |
| Repairs to equipment | H. Thompson .....        | 7,714.98    |             |                     |                       |
| Supplies .....       | J. B. Varick Co.....     | 96.00       |             |                     |                       |
| Uniforms .....       | Wm. Marcotte Co.....     | 1.74        |             |                     |                       |
|                      | John B. Varick Co.....   | \$2.75      |             |                     |                       |
|                      | .....                    | \$9.22      |             |                     |                       |
| Washing uniforms...  | Mrs. H. W. Poirier.....  | 91.97       |             |                     |                       |
|                      | .....                    | 42.75       |             |                     |                       |
| Balance .....        | Common council .....     | \$7,949.77  | \$10,000.00 |                     |                       |
|                      |                          | 2,950.23    |             |                     |                       |
|                      |                          | \$10,000.00 | \$10,000.00 |                     |                       |

## STREET SWEEPING.

(Hand-sweeping with pick-up carts.)

## ROUTE No. 1.

|                                  | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|----------------------------------|---|---|---------------|
| Elm:                             |   |   |               |
| Orange s. s. to Pearl s. s.....  | 1,096   |   | 1,367         |
| Pearl s. s. to Bridge n. s.....  | 954   |   | 1,131         |
| Bridge n. s. to Bridge s. s..... | 600   |   |               |
| Bridge:                          |   |   |               |
| Elm e. s. to Church w. s.....    |   | 533                                       |               |
|                                  | <u>2,650</u>                                  | <u>533</u>                                | <u>2,498</u>  |

Total square yards, 5,681.

Number of days swept, 186.11.

Cost of labor per square yard, per season, \$0.0575.

Cost of labor per square yard, per day, \$0.0003091.

## ROUTE No. 2.

|                                   | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|-----------------------------------|---|---|---------------|
| Elm:                              |   |   |               |
| Bridge s. s. to Lowell s. s.....  | 3,311   |   |               |
| Lowell s. s. to Concord s. s..... | 2,448   |   | 42            |
|                                   | <u>5,759</u>                                  | <u>0</u>                                  | <u>42</u>     |

Total square yards, 5,801.

Number of days swept, 168.55.

Cost of labor per square yard, per season, \$0.0508.

Cost of labor per square yard, per day, \$0.000301.

ROUTE No. 3.

|                                    | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|------------------------------------|---|---|---------------|
| Elm:                               |   |   |               |
| Concord s. s. to Amherst s. s..... | 2,622   |   |               |
| Amherst s. s. to Stark n. s.....   | 472   |   |               |
| Concord:                           |   |   |               |
| Elm e. s. to Vine e. s.....        |   |   | 716           |
| Elm e. s. to Vine e. s.....        | 67  |   |               |
| Vine:                              |   |   |               |
| Concord s. s. to Amherst s. s..... |   |   | 1,615         |
| Amherst:                           |   |   |               |
| Elm e. s. to Vine e. s.....        |   |   | 782           |
| Nutfield lane:                     |   |   |               |
| Amherst s. s. to Hanover n. s..... |   |   | 425           |
|                                    | 3,161   | 0   | 3,538         |

Total square yards, 6,699.

Number of days swept, 183.55.

Cost of labor per square yard, per season, \$0.0479.

Cost of labor per square yard, per day, \$0.00026.

ROUTE No. 4.

|                                   | Wood paving<br>blocks, ce-<br>ment joints. | Wood paving<br>block. | Tar concrete. |
|-----------------------------------|--|-----------------------|---------------|
| Elm:                              |  |                       |               |
| Stark n. s. to Hanover s. s.....  | 1,999                                      |                       |               |
| Stark n. s. to Hanover s. s.....  |  |                       | 53            |
| Hanover s. s. to Market s. s..... | 435  |                       |               |
| Market:                           |  |                       |               |
| Elm w. s. to Franklin w. s.....   |  | 1,020                 |               |
| Hanover:                          |  |                       |               |
| Elm e. s. to Chestnut w. s.....   |  |                       | 1,564         |
| Elm e. s. to Chestnut w. s.....   | 367  |                       |               |
| Chestnut e. s. to Pine w. s.....  | 207  |                       |               |
| Chestnut e. s. to Pine w. s.....  |  |                       | 827           |
|                                   | 3,008                                      | 1,020                 | 2,444         |

Total square yards, 6,472.

Number of days swept, 187.66.

Cost of labor per square yard, per season, \$0.05044.

Cost of labor per square yard, per day, \$0.000268.

ROUTE No. 5.

|  | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|--|---|---|---------------|
| Elm:   |   |   |               |
| Market s. s. to Manchester s. s.....                 | 1,658   |   |               |
| Manchester:  |   |   |               |
| Elm e. s. to Chestnut w. s.....                      |   |   | 1,073         |
| Elm e. s. to Chestnut w. s.....                      | 858   |   |               |
| Elm:   |   |   |               |
| Manchester s. s. to Merrimack s. s...                | 2,342   |   |               |
| Manchester s. s. to Merrimack s. s...                |   |   | 106           |
|  | 4,858   | 0   | 1,179         |
| Total square yards, 6,037.                           |   |   |               |
| Number of days swept, 184.55.                        |   |   |               |
| Cost of labor per square yard, per season, \$0.0535. |   |   |               |
| Cost of labor per square yard, per day, \$0.000289.  |   |   |               |

ROUTE No. 6.

|  | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|--|---|---|---------------|
| Elm:   |   |   |               |
| Merrimack n. s., 25' n. Central n. s...:             | 3,222   |   |               |
| Central:   |   |   |               |
| Elm e. s. to Chestnut w. s.....                      | 864   |   |               |
| Elm e. s. to Chestnut w. s.....                      |   |   | 1,052         |
| West Merrimack:                                      |   |   |               |
| Elm w. s. to Franklin w. s.....                      |   |   | 1,052         |
| Elm w. s. to Franklin w. s.....                      | 66  |   |               |
|  | 4,152   | 0   | 2,104         |
| Total square yards, 6,256.                           |   |   |               |
| Number of days swept, 190.55.                        |   |   |               |
| Cost of labor per square yard, per season, \$0.0533. |   |   |               |
| Cost of labor per square yard, per day, \$0.000279.  |   |   |               |

ROUTE No. 7.

|   | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|---|---|---|---------------|
| Elm:  |   |   |               |
| 25' n. of Central n. s. to 85' s. of Lake<br>avenue s. s..... | 3,538   |   |               |
| Lake avenue:  |   |   |               |
| Elm e. s. to Chestnut w. s.....                               |   |   | 1,096         |
| Elm e. s. to Chestnut w. s.....                               | 851   |   |               |
| Depot:  |   |   |               |
| Elm w. s. to Hampshire lane e. s....                          |   | 370                                       |               |
|   | 4,389   | 370                                       | 1,096         |
| Total square yards, 5,855.                                    |   |   |               |

Number of days swept, 177.88.

Cost of labor per square yard, per season, \$0.05316.

Cost of labor per square yard, per day, \$0.000298.

ROUTE No. 8.

|   | Granite paving<br>blocks, ce-<br>ment joints. |
|---|---|
| Elm:  |   |
| Auburn s. s. to Cedar s. s.....                         | 2,146   |
| Cedar s. s. to Spruce s. s.....                         | 2,146   |
| Spruce s. s. to 85' south of Lake ave-<br>nue s. s..... | 1,469   |
|   | 5,761   |
| Total square yards, 5,761.                              |   |

Number of days swept, 176.55.

Cost of labor per square yard, per season, \$0.04363.

Cost of labor per square yard, per day, \$0.000247.

ROUTE No. 9.

|  | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|--|---|---|---------------|
| Merrimack:                             |   |   |               |
| Elm e. s. to Chestnut w. s.....        |   |   | 2,153         |
| Chestnut:                              |   |   |               |
| Merrimack s. s. to Manchester s. s.... |   |   | 1,084         |
| Manchester s. s. to Hanover s. s.....  |   |   | 956           |
| Manchester s. s. to Hanover s. s.....  | 42  |   |               |
| Hanover s. s. to Amherst s. s.....     |   |   | 951           |
| Amherst s. s. to Concord s. s.....     |   |   | 978           |
| Concord s. s. to Lowell s. s.....      |   |   | 915           |
| Concord s. s. to Lowell s. s.....      |   | 167                                       |               |
|  | 42  | 167                                       | 7,037         |

Total square yards, 7,246.

Number of days swept, 179.55.

Cost of labor per square yard, per season, \$0.04336.

Cost of labor per square yard, per day, \$0.000241.

ROUTE No. 15.

|                                     | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|-------------------------------------|---|---|---------------|
| Granite:                            |   |   |               |
| H. & D. s. t. to B. & M. track..... | 1,042   |   |               |
| B. & M. track to M. mill gate.....  | 1,822   |   |               |
| M. mill gate to e. end bridge.....  |   | 1,458                                     |               |
|                                     | 2,864   | 1,458                                     | 0             |

Total square yards, 4,322.

Number of days swept, 189.55.

Cost of labor per square yard, per season, \$0.07675.

Cost of labor per square yard, per day, \$0.0004040.



SUMMARY OF ROUTES 1, 2, 3, 4, 5, 6, 7, 8, 9 and 15.

- Total number of square yards swept daily, 60,130.
- Average number of days swept (by 10 men), 182.45.
- Total cost, \$3,197.10.
- Total loads swept, taken up and removed, 8,083.
- Total cubic yards swept, taken up and removed, 1,313.92.
- Cost of labor per square yard, per season, \$0.0528.
- Cost of labor per square yard, per day, \$0.00028.
- Loads per square yard, per season, .13353.
- Loads per square yard, per day, .00073.
- Cubic yards per square yard, per season, .0217.
- Cubic yards per square yard, per day, .000118.

(Hand-swept, picked up by scavenger teams.)

ROUTE No. 11.

|                                       | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|---------------------------------------|---|---------------|
| Hampshire lane:                       |   |               |
| W. Merrimack n. s. to Market s. s.... | 596                                       | 149           |
| Market n. s. to Stark s. s.....       |   | 331           |
| Stark n. s. to Mechanic s. s.....     | 298                                       |               |
| Mechanic s. s. to Water s. s.....     | 224                                       |               |
| Nutfield lane:                        |   |               |
| Concord n. s. to Lowell s. s.....     | 425                                       |               |
| Church:                               |   |               |
| Lowell n. s. to Bridge s. s.....      | 720                                       |               |
| Washington:                           |   |               |
| Elm e. s. to Church w. s.....         | 520                                       |               |
| North Church:                         |   |               |
| Bridge n. s. to Pearl s. b. n. s..... | 218                                       |               |
|                                       | 3,001                                     | 480           |
| Total square yards, 3,481.            |   |               |

- Number of days swept, 175.
- Cost of labor, per square yard, per season, \$0.0879.
- Cost of labor per square yard, per day, \$0.000502.

ROUTE No. 12.

|  | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|--|---|---------------|
| Monadnock lane:                                  |   |               |
| Nutfield lane e. s. to Pine w. s.....            | 1,182                                     |               |
| Nutfield lane:                                   |   |               |
| Monadnock lane s. s. to Manchester<br>s. s. .... | 187                                       |               |
| Manchester e. s. to Hanover s. s.....            | 347                                       |               |
| Londonderry lane:                                |   |               |
| Nutfield lane e. s. to Chestnut w. s....         | 700                                       |               |
| Derryfield lane:                                 |   |               |
| Nutfield lane e. s. to Chestnut w. s....         | 200                                       |               |
| Nutfield lane:                                   |   |               |
| Amherst n. s. to Concord s. s.....               | 467                                       |               |
|  | 3,083                                     |               |
| Total square yards, 3,083.                       |   |               |

Number of days swept, 180.55.

Cost of labor per square yard, per season, \$0.0381.

Cost of labor per square yard, per day, \$0.000487.

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(Hand-swept with pick-up carts, record of loads not kept.)

ROUTE No. 16.

|                                     | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|-------------------------------------|---|---|---------------|
| Granite:                            |   |   |               |
| Granite bridge .....                | 2,098   |   |               |
| Turner w. s. to S. Main e. s.....   |   |   | 3,811         |
| Bridge west end to Turner w. s..... |   | 667                                       |               |
|                                     | 2,098   | 667                                       | 3,811         |
| Total square yards, 6,576.          |   |   |               |

Number of days swept, 178.

Cost of labor per square yard, per season, \$0.0473.

Cost of labor per square yard, per day, \$0.000265.

ROUTE No. 17.

|   | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|---|---|---|---------------|
| <b>South Main:</b>  |   |   |               |
| Granite n. s. to School n. s.....                         |   |   | 1,000         |
| School n. s. to Ferry n. s.....                           |   |   | 955           |
| Ferry n. s. to Walker n. s.....                           |   |   | 935           |
| Walker n. s. to M. & N. W. R. R.....                      |   |   | 800           |
| M. & N. W. R. R. to s. s. bridge.....                     |   | 1,227                                     |               |
| S. s. bridge to Log s. s., Hassam pave-<br>ment .....     | 1,070   |   |               |
| <b>Mast:</b>  |   |   |               |
| South Main w. s. to 150' west, Has-<br>sam pavement ..... | 566   |   |               |
|   | <hr/>   | <hr/>                                     | <hr/>         |
|   | 1,636   | 1,227                                     | 3,690         |
| Total square yards, 6,553.                                |   |   |               |
| Number of days swept, 177.66.                             |   |   |               |
| Cost of labor per square yard, per season, \$0.0474.      |   |   |               |
| Cost of labor per square yard, per day, \$0.000267.       |   |   |               |

ROUTE No. 18.

|  | Granite paving<br>blocks, ce-<br>ment joints. | Granite paving<br>blocks, sand<br>joints. | Tar concrete. |
|--|---|---|---------------|
| <b>Main:</b>   |   |   |               |
| Putnam n. s. to Wayne n. s.....                      |   |   | 2,138         |
| Wayne n. s. to Marion n. s.....                      |   | 249                                       | 938           |
| Marion n. s. to Amory s. s.....                      |   | 262                                       | 222           |
| <b>Marion:</b>                                       |   |   |               |
| Main e. s. to McGregor w. s.....                     | 212   |   | 1,045         |
| <b>Notre Dame avenue:</b>                            |   |   |               |
| Wayne n. c. to Amory s. c.....                       | 333   |   | 1,400         |
|  | <hr/>   | <hr/>                                     | <hr/>         |
|  | 545   | 511                                       | 5,644         |
| Total square yards, 6,700.                           |   |   |               |
| Number of days swept, 168.                           |   |   |               |
| Cost of labor per square yard, per season, \$0.0438. |   |   |               |
| Cost of labor per square yard, per day, \$0.0002607. |   |   |               |

SUMMARY OF ROUTES 11, 12, 16, 17 and 18.

Total number of square yards swept daily, 26,893.  
 Average number of days swept (by 5 men), 175.84.  
 Total cost, \$1,538.00.  
 Cost of labor per square yard, per season, \$0.0571.  
 Cost of labor per square yard, per day, \$0.00032.

BRIDGES.

| LOCATION.                              | Nature of Work.                                      | Total.   |
|--|--|----------|
| Amoskeag bridge .....                  | Taking off wind break and miscellaneous repairs..... | \$21.56  |
| Elm street, over M. & L. R. R.....     | Repairs .....  | 125.56   |
| Front street, over Black brook.....    | Repairs .....  | 7.60     |
| Granite .....                          | Taking off and putting on wind break.....            | 19.29    |
| Granite street, over B. & M. R. R..... | Repairs .....  | 32.72    |
| Hospital avenue, over Cemetery brook.  | Repairs .....  | 4.38     |
| Harvell street culvert.....            | Repairs .....  | 13.50    |
| Island Pond road.....                  | Repairs .....  | 30.50    |
| McGregor bridge .....                  | Repairs .....  | 4.39     |
| River road culverts .....              | Repairs .....  | 3.98     |
| Miscellaneous work.....                | .....  | 52.11    |
|  |  | \$315.79 |

BRIDGES.

| EXPENDITURES.    |                              | RECEIPTS.  |            |                     |               |
|------------------|------------------------------|------------|------------|---------------------|---------------|
| For              | To                           | Cr.        | Dr.        | By For              |               |
| Car service..... | Boston & Maine R. R.....     | \$1.00     | \$8,000.00 | Common council..... | Bridges ..... |
| Coal tar .....   | People's Gas-light Co.....   | 3.50       |            |                     |               |
| Freight .....    | Boston & Maine R. R.....     | 254.11     |            |                     |               |
| Lumber .....     | Batchelder-Worcester Co..... | \$564.90   |            |                     |               |
|                  | James F. Cavanaugh.....      | 581.67     |            |                     |               |
|                  | Dodge & Barnard.....         | 619.08     |            |                     |               |
|                  | West Side Lumber Co.....     | 18.13      |            |                     |               |
| Payroll .....    | Division No. 2 .....         | 1,783.78   |            |                     |               |
|                  | 5 .....                      | \$215.01   |            |                     |               |
|                  | 7 .....                      | 11.11      |            |                     |               |
|                  | 9 .....                      | 34.00      |            |                     |               |
|                  | 10 .....                     | 21.74      |            |                     |               |
| Supplies .....   | John B. Varick Co.....       | 349.87     |            |                     |               |
|                  | .....                        | 17.64      |            |                     |               |
| Balance .....    | Common council .....         | \$2,409.88 | \$8,000.00 |                     |               |
|                  |                              | 5,590.12   |            |                     |               |
|                  |                              | \$8,000.00 | \$8,000.00 |                     |               |

CITY TEAMS.

| EXPENDITURES.          |                             | RECEIPTS.  |           |                        |                  |
|------------------------|-----------------------------|------------|-----------|------------------------|------------------|
| For                    | To                          | Cr.        | Dr.       | By                     | For              |
| Coal .....             | L. B. Bodwell & Co.....     | \$336.87   | \$120.00  | H. M. Poirier.....     | Rent .....       |
| Disinfectant .....     | Winchester Tar Dis. Co..... | 35.00      | 259.90    | G. H. Wilson & Co..... | Apples .....     |
| Fertilizer .....       | H. B. Fairbanks.....        | \$193.80   | 12,000.00 | Common council.....    | City teams ..... |
|                        | J. B. Varick Co.....        | 60.74      |           |                        |                  |
| Freight .....          | Boston & Maine R. R.....    | 254.54     |           |                        |                  |
| Grain and hay .....    | Arthur S. Brown.....        | 11.42      |           |                        |                  |
|                        | Rt. Rev. G. A. Guerth.....  | \$3,001.28 |           |                        |                  |
|                        | John A. Hanson.....         | 50.00      |           |                        |                  |
|                        | F. H. Masse & Co.....       | 14.75      |           |                        |                  |
|                        | McQuesten & Lewis.....      | 908.42     |           |                        |                  |
|                        |                             | 647.13     |           |                        |                  |
| Harness repairs.....   | Oliver Comire.....          | \$26.25    | 4,621.58  |                        |                  |
|                        | Wm. L. Comire.....          | 185.65     |           |                        |                  |
|                        | Joseph Vogel & Co.....      | 32.25      |           |                        |                  |
| Horses and mules... .. | Cavanaugh Bros.....         | 244.15     |           |                        |                  |
| Insurance .....        | Everett & Bunton.....       | 862.46     |           |                        |                  |
| Lights .....           | M. T. L. & P. Co.....       | 20.00      |           |                        |                  |
|                        | People's Gas-light Co.....  | \$58.49    |           |                        |                  |
|                        | J. B. Varick Co.....        | 211.64     |           |                        |                  |
|                        |                             | 32.89      |           |                        |                  |
| New equipment.....     | Frank T. Moore.....         | \$135.00   | 303.02    |                        |                  |
|                        | Ranno Saddlery Co.....      | 105.00     |           |                        |                  |
| Oil .....              | Standard Oil Co.....        | \$3.38     | 240.00    |                        |                  |
|                        | Arthur A. Warren.....       | 46.25      |           |                        |                  |
| Payroll .....          | Division No. 2 .....        | \$8,295.07 | 49.63     |                        |                  |
|                        | 10 .....                    | 701.03     |           |                        |                  |
| Pigs.....              | Mrs. W. H. Bickford.....    | 8,996.10   | 8,996.10  |                        |                  |
| Rent of city farm..... | Committee on City Farm..... | 86.40      | 86.40     |                        |                  |
|                        |                             | 1,020.00   | 1,020.00  |                        |                  |





REPAIRS OF SEWERS.

| EXPENDITURES.        |                                    | RECEIPTS.  |                                |                      |
|----------------------|------------------------------------|------------|--------------------------------|----------------------|
| For                  | By                                 | Dr.        | By                             | For                  |
| Brick .....          | W. F. Head & Son.....              |            | W. E. Goodwin .....            | Castings .....       |
| Castings .....       | Concord Foundry & Machine Co. .... | \$13.10    | J. F. Marchand.....            | Labor and material.  |
| Catch-basin curbing. | Chas. A. Bailey.....               |            | Jos. L. Bourque.....           |                      |
| Cement .....         | Henry W. Parker.....               |            | E. M. Chase.....               |                      |
| Freight .....        | Boston & Maine R. R. ....          |            | Victor Jancelle .....          |                      |
| Labor .....          | Smith & Johnson.....               |            | Richard Kleinard .....         |                      |
| Lights .....         | Arthur A. Warren.....              |            | Carl Maiwald.....              |                      |
| Payroll .....        | Division No. 2 .....               |            | C. F. McDonald.....            |                      |
|                      | 7 .....                            |            | People's Gas-light Co. ....    |                      |
|                      | 10 .....                           |            | Aug. Schneider.....            |                      |
| Supplies .....       | Harold L. Bond Co.....             | \$258.09   | Adams Bros. ....               | Sewer pipe.....      |
|                      | Henry W. Parker.....               |            | Albert Burkaavis.....          |                      |
|                      | Pike & Heald Co. ....              |            | H. F. Hunt.....                |                      |
|                      | The Sessions Foundry Co. ....      |            | James Huse.....                |                      |
|                      | John B. Varick Co. ....            |            | Carl Katschker .....           |                      |
| Tools .....          | John B. Varick Co. ....            | 88.06      | Town of Litchfield, N. H. .... | Repairs of sewers... |
|                      |                                    | 5,000.00   | Police department.....         |                      |
|                      |                                    |            | Stevens & Bradley.....         |                      |
|                      |                                    |            | Common council .....           |                      |
|                      |                                    | \$5,431.14 | Common council .....           | Overdraft .....      |
|                      |                                    | 71.89      |                                |                      |
|                      |                                    | \$5,431.14 |                                |                      |

NEW SEWERS.

| EXPENDITURES.        |                                    | RECEIPTS.   |             |                        |                  |
|----------------------|------------------------------------|-------------|-------------|------------------------|------------------|
| For                  | To                                 | Cr.         | Dr.         | By                     | For              |
| Brick .....          | W. F. Head & Son.....              |             | \$829.82    | Common council .....   | New sewers ..... |
| Castings .....       | American Locomotive Co. .          | \$11.50     |             | Eastern Clay Goods Co. | Sewer pipe.....  |
|                      | Concord Foundry & Machine Co. .... | 1,158.10    |             |                        |                  |
| Cement .....         | Henry W. Parker Co.....            |             | 1,169.60    |                        |                  |
| Claims .....         | John Fram .....                    | \$21.00     | 253.73      |                        |                  |
|                      | The John B. Hall Co.....           | 7.35        |             |                        |                  |
|                      | F. L. Noyes .....                  | 1.23        |             |                        |                  |
| Explosives .....     | John B. Varick Co.....             |             | 29.58       |                        |                  |
| Freight .....        | Boston & Maine R. R.....           |             | 1,234.88    |                        |                  |
| Insurance .....      | S. B. Stearns.....                 |             | 4,422.81    |                        |                  |
| Labor .....          | Boston & Maine R. R.....           | \$82.36     | 23.66       |                        |                  |
|                      | Hauscom Construction Co. .         | 55.95       |             |                        |                  |
| Lights .....         | Standard Oil Co.....               | \$20.94     | 138.31      |                        |                  |
|                      | The Texas Co.....                  | 48.10       |             |                        |                  |
|                      | John B. Varick Co.....             | 65.75       |             |                        |                  |
|                      | Arthur A. Warren.....              | 18.25       |             |                        |                  |
| Lumber .....         | B. F. Greer.....                   | \$520.39    | 153.04      |                        |                  |
|                      | West Side Lumber Co.....           | 859.99      |             |                        |                  |
| New equipment.....   | H. L. Bond Co.....                 | \$246.10    | 1,380.58    |                        |                  |
|                      | Carson Trench Mch. Co.....         | 2,135.00    |             |                        |                  |
| Payroll .....        | Division No. 2 .....               | \$13,751.98 | 2,381.10    |                        |                  |
|                      | 7 .....                            | 4,219.65    |             |                        |                  |
|                      | 10 .....                           | 8,088.24    |             |                        |                  |
| Repairs to equipment | American Locomotive Co. .          | \$4.00      | \$26,059.87 |                        |                  |
|                      | Manchester Machine Works           | 1.20        |             |                        |                  |
|                      | Pike & Heald Co.....               | .80         |             |                        |                  |
|                      | Smith & Johnson.....               | 6.70        |             |                        |                  |

NEW SEWERS.—*Concluded.*

| EXPENDITURES.         |                              |             | RECEIPTS.   |                      |     |
|-----------------------|------------------------------|-------------|-------------|----------------------|-----|
| For                   | To                           | Cr.         | Dr.         | By                   | For |
| Repairs of equipment. | G. F. Wenzel.....            | \$6.00      |             |                      |     |
| Sewer pipe .....      | Eastern Clay Goods Co.....   | \$18.70     |             |                      |     |
| Supplies .....        | Amoskeag Mfg. Co.....        | 5,765.26    |             |                      |     |
|                       | Geo. W. Dodge Shoe Co.....   | \$1.80      |             |                      |     |
|                       | Frost Paint & Mfg. Co.....   | 45.00       |             |                      |     |
|                       | Good Roads Machinery Co..... | 6.75        |             |                      |     |
|                       | Fred F. Osgood.....          | 37.71       |             |                      |     |
|                       | Henry W. Parker.....         | 2.00        |             |                      |     |
|                       | Pike & Heald Co.....         | 3.25        |             |                      |     |
|                       | W. C. Spear.....             | 30.92       |             |                      |     |
|                       | John B. Varick Co.....       | .75         |             |                      |     |
|                       |                              | 179.10      |             |                      |     |
| Tools .....           | Manchester Hardware Co.....  | 328.28      |             |                      |     |
|                       | John B. Varick Co.....       | 291.99      |             |                      |     |
|                       |                              | \$44,481.01 | \$44,467.63 | Common council ..... |     |
|                       |                              |             | 13.38       |                      |     |
|                       |                              | \$44,481.01 | \$44,481.01 | Overdraft .....      |     |

BROWN-TAIL AND GYPSY MOTHS.  
FINANCIAL STATEMENT.

| EXPENDITURES.         |                            | RECEIPTS. |            |                      |                            |
|-----------------------|----------------------------|-----------|------------|----------------------|----------------------------|
| For                   | To                         | Cr.       | Dr.        | By                   | For                        |
| Abatements .....      | Frank Bond .....           | \$0.25    | \$6,000.00 | Common council ..... | Brown-tail and gypsy moth  |
|                       | Daniel Fitzgerald .....    | 4.50      | 3.73       | Manchester W. Wks..  | Labor, removing brown-tail |
|                       | James A. Folsom .....      | .77       |            |                      | moth nests.....            |
|                       | G. P. James estate.....    | .72       | 49.53      | Stark Mills.....     | Labor, removing brown-tail |
|                       | Henry Leonard .....        | 1.55      |            |                      | moth nests.....            |
|                       | John McDermott .....       | .62       | 1,027.23   | Tax collector.....   | Brown-tail moth taxes col- |
|                       | Norman C. Smith.....       | .41       |            |                      | lected for private work... |
|                       | Mrs. Nettie Towle.....     | 3.11      |            |                      |                            |
|                       | Mrs. Parmelia Webster..... | 5.00      |            |                      |                            |
|                       | Rufus Wilkinson .....      | .61       | \$17.54    |                      |                            |
| Advertising .....     | The John B. Clarke Co..... | \$12.60   |            |                      |                            |
|                       | The Manchester Union Co..  | 14.82     |            |                      |                            |
|                       | John B. Varick Co.....     |           | 27.42      |                      |                            |
|                       |                            |           | 95.50      |                      |                            |
| Arsenate of lead..... | Daniel F. Cronin.....      |           | 3,975.00   |                      |                            |
| Brown-tail moth con-  | Daniel F. Cronin.....      |           | 1,843.75   |                      |                            |
| tract, district work  | Boston & Maine R. R.....   |           | 7.50       |                      |                            |
| Brown-tail moth con-  | Grover Pike.....           |           | 4.78       |                      |                            |
| tract, private work   |                            |           |            |                      |                            |
| Freight .....         | John J. Connolly.....      | \$52.50   |            |                      |                            |
| Labor .....           | John F. Murphy.....        | 112.50    |            |                      |                            |
| District work, labor  |                            |           |            |                      |                            |
| Inspectors .....      | W. E. Blake .....          | \$91.65   |            |                      |                            |
|                       | Harry T. George.....       | 146.40    |            |                      |                            |
| Private work, inspec- | B. F. Hughes.....          | 76.20     |            |                      |                            |
| tors .....            | F. B. Kimball.....         | 110.70    |            |                      |                            |
|                       | George Manning .....       | 98.40     |            |                      |                            |
|                       | Peter O'Reilly .....       | 104.33    |            |                      |                            |
|                       |                            |           | 627.68     |                      |                            |

BROWN-TAIL AND GYPSY MOTHS.—*Concluded.*

FINANCIAL STATEMENT.

| EXPENDITURES.        |                              | RECEIPTS.  |            |        |
|----------------------|------------------------------|------------|------------|--------|
| For                  | To                           | Cr.        | Dr.        | By For |
| Oil .....            | Standard Oil Co. ....        | \$14.08    |            |        |
|                      | Standard Oil Co. ....        | 27.39      |            |        |
| Payroll .....        | Division No. 2 .....         | 41.47      |            |        |
| Postage stamps ..... | E. H. Chadbourne, P. M. .... | 13.05      |            |        |
| Printing .....       | The John B. Clarke Co. ....  | 10.00      |            |        |
|                      | The John B. Clarke Co. ....  | 17.50      |            |        |
| Smudge pots .....    | L. W. Howard .....           | 30.00      |            |        |
| Supplies .....       | E. H. Chadbourne, P. M. .... | 23.00      |            |        |
| Balance .....        | Common council .....         | 56.20      |            |        |
|                      |                              | 142.65     |            |        |
|                      |                              | \$7,080.54 | \$7,080.54 |        |



ITEMIZED OPERATIONS.  
CONTRACT (District) Work.

| WORK.  | NATURE OF  | Materials and contract prices.      | Labor.   | Total.     |
|--|--|-------------------------------------|----------|------------|
| Contract, district work, including district work inspectors. | Advertising for proposals<br>Highways, parks, commons, schoolyards and city farm                     | \$27.42<br>4,140.00                 |          | \$4,167.42 |
| City work  | Smudge pots<br>Oil for pots<br>putting out and taking in smudge pots.<br>Arsenate of lead<br>Freight | \$23.00<br>41.47<br>\$95.50<br>7.50 | \$13.05  | 77.52      |
|  |  |                                     |          | 103.00     |
|  | CONTRACT (Private) Work.   |                                     |          |            |
| Private work   | Climbers and groundmen<br>Inspectors   | \$1,843.75                          | 627.68   |            |
| Notice to property owners.                                   | Printing<br>Postage<br>Blank triplicate books.<br>Abatements<br>Mailing                              | 17.50<br>66.20<br>12.50<br>17.54    |          |            |
| Received   | Private work account   | \$6,292.38                          | 4.78     | \$2,589.95 |
|  |  |                                     | \$845.51 | \$6,937.80 |
|  |  |                                     |          | 1,080.54   |
|  |  |                                     |          | \$5,857.35 |

The work of removing the brown-tail moth nests was carried on through the months of January, February, March and part of April, 1910. Proposals were advertised for and the contract was awarded to Daniel F. Cronin of Manchester, N. H., to remove all the brown-tail moth nests from the trees in the public highways throughout the city. The city was divided into districts as follows:

District No. 1 includes that part of Manchester west of the Merrimack river, and south of the Piscataquog river.

District No. 2 lies north of the Piscataquog river, west of the Merrimack river, and south of West Bridge, Amory, Coolidge avenue and Kelley streets.

District No. 3 lies north of District No. 2, west of the Merrimack river, and south of Amoskeag and Front streets and Goffstown road.

District No. 4 lies west of the Merrimack river and includes the remaining part of Manchester north of District No. 3.

District No. 5 lies east of the Merrimack river, north of West Salmon and Salmon streets, Smyth and Kennard roads, and west of the Mammoth road.

District No. 6 lies east of the Mammoth road and north of the Candia road.

District No. 7 lies south of the Candia road and east of the Candia road.

District No. 8 lies west of the Mammoth road, south of the Cilley road and Baker street and east of the Manchester & Lawrence railroad.

District No. 9 lies west of the Manchester & Lawrence railroad, south of Granite street, and east of the Merrimack river.

District No. 10 lies north of Cilley road and Baker street, east of the Manchester & Lawrence Railroad, south of Valley and Massabesic streets, and west of the Mammoth road.

District No. 11 lies north of Valley and Massabesic streets, west of Mammoth road, south of Lake avenue, and east of Canal street.

District No. 12 lies north of Lake avenue, east of Canal and Franklin streets, south of Hanover street, and west of Mammoth road.

District No. 13 lies north of Hanover street, west of Mammoth road, south of Bridge and West Bridge streets, and east of Canal street and east of the Stark and Amoskeag corporations.

District No. 14 lies north of Bridge and West Bridge streets, east of Canal street, south of West Salmon and Sagamore streets, and Smyth and Kennard roads, and west of Mammoth road.

District No. 15 includes all public and parochial school yards.

District No. 16 includes all public parks, commons, and the city farm.

The contract prices were as follows:

|                      |            |
|----------------------|------------|
| District No. 1 ..... | \$160.00   |
| 2 .....              | 165.00     |
| 3 .....              | 110.00     |
| 4 .....              | 125.00     |
| 5 .....              | 140.00     |
| 6 .....              | 160.00     |
| 7 .....              | 175.00     |
| 8 .....              | 170.00     |
| 9 .....              | 185.00     |
| 10 .....             | 340.00     |
| 11 .....             | 410.00     |
| 12 .....             | 490.00     |
| 13 .....             | 485.00     |
| 14 .....             | 350.00     |
| 15 .....             | 275.00     |
| 16 .....             | 400.00     |
| Total .....          | \$1,140.00 |

The contract further required that the contractor furnish all labor for private work at the following prices:

|                |                                 |
|----------------|---------------------------------|
| Climbers.....  | 33 $\frac{1}{3}$ cents per hour |
| Groundmen..... | 27 $\frac{2}{3}$ cents per hour |

Under this contract a liability policy running to the city of Manchester by its Board of Street and Park Commissioners covering accidents to the amount of \$5,000 for any one person and not more than \$15,000 for any one accident, was furnished by the contractor. A bond was also furnished to the amount of eighty (80) percent of the contract price guaranteeing the completion of the contract on or before the fifteenth of April, 1910, and to the satisfaction of the Board of Street and Park Commissioners.

Six (6) inspectors were employed on the private work up to and into April, 1910, at a total cost of \$627.68; each inspector had two climbers and one groundman under his supervision and to each inspector was given a certain district and all trees within these districts were cleaned.

A memorandum in triplicate was kept, giving the name of the owner of the property upon which said work was done, whenever such could be obtained; the date when the work was done and the location of the property upon which the work was done, also the names of those employed, length of time, rate, and total cost of the job, and remarks. One memorandum was left at the house, if there was such, providing it was occupied by the owner, or sent to the owner in case the property was rented or not built up, the other two copies were turned in to the office of the board, one of which was delivered to the Board of Assessors and the other kept on file.

Before the first of November, 1910, notices were sent to the owner of every piece of property in the city of Manchester, N. H. These notices were sent through the mail and the addresses of the owners were obtained from the Board of Assessors and the tax collector, and it is presumed that every property owner within the limits of the city was reached.

Many gypsy moth and elm leaf beetle infestations were found; the appropriation for brown-tail and gypsy moth does not provide for the extermination of the elm leaf beetle, neither has this city done any gypsy moth work, such work to date having been under the supervision of Col. Thomas H. Dearborn, state agent for suppressing the brown-tail and gypsy moth.

A census of trees was taken throughout the highways, parks, commons, school yards and city farm within the city of Manchester, N. H., by the district work inspectors during the prosecution of the 1910 contract for removing and destroying brown-tail moth nests for the Board of Street and Park Commissioners of the city of Manchester, N. H.

The work was begun January 13, 1910, and finished April 13, 1910.

Following is a table which is a summary of the elm, maple, oak, poplar and other trees in each district. In prosecuting the work of taking the census all trees were located by streets and between streets giving almost their exact location.

## SUMMARY.

|   | Elm.  | Maple. | Oak. | Poplar. | Other. | Total.     |
|---|-------|--------|------|---------|--------|------------|
| District No. 1                            | 216   | 243    | 16   | 30      | 46     | 551        |
| District No. 2                            | 253   | 745    | 2    | 97      | 15     | 1,112      |
| District No. 3                            | 66    | 52     | 8    | 28      | 57     | 211        |
| District No. 4                            | 83    | 31     | 97   | ..      | 9      | 220        |
| District No. 5                            | 448   | 1,310  | 67   | 120     | 90     | 2,035      |
| District No. 6                            | 87    | 256    | 161  | 88      | 143    | 735        |
| District No. 7                            | 154   | 329    | 109  | 22      | 90     | 704        |
| District No. 8                            | 220   | 312    | 208  | 10      | 336    | 1,086      |
| District No. 9                            | 254   | 101    | 23   | 41      | 49     | 468        |
| District No. 10                           | 132   | 409    | 4    | 199     | 18     | 762        |
| District No. 11                           | 240   | 583    | 5    | 184     | 5      | 1,017      |
| District No. 12                           | 735   | 733    | 2    | 18      | 4      | 1,492      |
| District No. 13                           | 678   | 837    | 3    | 36      | 67     | 1,621      |
| District No. 14                           | 779   | 1,753  | 55   | 98      | 2      | 2,687      |
| District No. 15                           | 72    | 278    | 9    | ..      | 65     | 424        |
| District No. 16                           | 578   | 1,284  | 70   | 67      | 6,701  | 8,700      |
|   | 4,995 | 9,256  | 839  | 1,038   | 7,697  | 23,825     |
| Stark park (trees in groves estimated).   |       |        |      |         | 5,500  |            |
|   | 4,995 | 9,256  | 839  | 1,038   | 13,197 | 29,325     |
| Spraying 4,995 elm trees (estimated)..... |       |        |      |         |        | \$4,000.00 |



CUTTING AND TRIMMING TREES.

| EXPENDITURES.        |                               | RECEIPTS.  |            |                      |                             |
|----------------------|-------------------------------|------------|------------|----------------------|-----------------------------|
| For                  | To                            | Cr.        | Dr.        | By                   | For                         |
| Labor .....          | The Head & Dowst Co. ....     | \$0.90     | \$1,000.00 | Common council ..... | Cutting and trimming trees. |
| Payroll .....        | Division No. 2 .....          | 947.51     |            |                      |                             |
| Repairing tools..... | J. B. McCrillis & Son.....    | \$0.30     |            |                      |                             |
|                      | Harry A. Piper.....           | 1.15       |            |                      |                             |
| Supplies .....       | The Head & Dowst Co. ....     | 1.45       |            |                      |                             |
|                      | Hubbard Sash & Blind Co. .... | 3.30       |            |                      |                             |
|                      | John B. Varick Co. ....       | 1.04       |            |                      |                             |
|                      | John B. Varick Co. ....       | 11.76      |            |                      |                             |
| Tools .....          | John B. Varick Co. ....       | 16.10      |            |                      |                             |
|                      | Common council.....           | 9.65       |            |                      |                             |
| Balance .....        | Common council.....           | \$975.61   | \$1,000.00 |                      |                             |
|                      |                               | 24.39      |            |                      |                             |
|                      |                               | \$1,000.00 | \$1,000.00 |                      |                             |



## ITEMIZED OPERATIONS.

| LOCATIONS.                               | Cut<br>Down. | Trimmed. | Labor.  | Teams. | Total.  |
|--|--------------|----------|---------|--------|---------|
| Adams, Appleton southwest corner.....    | ...          | ...      | ...     | ...    | ...     |
| Appleton, No. 49.....                    | ...          | ...      | ...     | ...    | ...     |
| Blodget, Union.....                      | ...          | ...      | ...     | ...    | ...     |
| Bridge, Nashua.....                      | 1            | ...      | ...     | ...    | ...     |
| Bridge, Union.....                       | 1            | ...      | ...     | ...    | ...     |
| Oak, Pearl northwest corner.....         | ...          | ...      | ...     | ...    | ...     |
| Pearl, No. 133.....                      | ...          | ...      | \$73.24 | \$4.90 | \$78.14 |
| Amherst and Walnut.....                  | 2            | ...      | 16.00   | 1.00   | 17.00   |
| Amherst, Union to Beech.....             | ...          | ...      | ...     | ...    | ...     |
| Beech, Amherst to Lowell.....            | ...          | ...      | ...     | ...    | ...     |
| Concord, Chestnut to Union.....          | ...          | ...      | ...     | ...    | ...     |
| Lowell, Beech to Maple.....              | ...          | ...      | ...     | ...    | ...     |
| Union, Amherst to Lowell.....            | ...          | ...      | 56.26   | 2.25   | 58.51   |
| Appleton, No. 62.....                    | ...          | ...      | ...     | ...    | ...     |
| Bridge, No. 244.....                     | 1            | ...      | ...     | ...    | ...     |
| Bridge, Nashua northwest corner.....     | ...          | ...      | ...     | ...    | ...     |
| Brook, No. 106.....                      | 1            | ...      | ...     | ...    | ...     |
| Central, Pine to Union.....              | 1            | ...      | ...     | ...    | ...     |
| Myrtle, Union southeast corner.....      | 2            | ...      | 72.70   | 3.68   | 76.38   |
| Ash, corner Bridge.....                  | 1            | ...      | 2.75    | .82    | 3.57    |
| Ash, Lowell northwest corner.....        | ...          | 2        | 2.03    | .45    | 2.48    |
| Ash, No. 65.....                         | ...          | ...      | ...     | ...    | ...     |
| Elm, Myrtle southerly.....               | ...          | ...      | ...     | ...    | ...     |
| Hanover, Beech easterly.....             | 1            | ...      | ...     | ...    | ...     |
| Lake avenue, No. 291.....                | ...          | ...      | ...     | ...    | ...     |
| Lake avenue and Maple.....               | 1            | ...      | ...     | ...    | ...     |
| Maple, No. 635.....                      | ...          | ...      | ...     | ...    | ...     |
| Maple, Merrimack northeast corner.....   | 2            | ...      | ...     | ...    | ...     |
| Myrtle, No. 184.....                     | ...          | ...      | ...     | ...    | ...     |
| Myrtle and Walnut.....                   | ...          | ...      | ...     | ...    | ...     |
| Spruce, No. 311.....                     | ...          | ...      | ...     | ...    | ...     |
| Walnut, near Myrtle.....                 | ...          | ...      | 75.81   | 8.57   | 84.38   |
| Ash, Harrison.....                       | ...          | ...      | 5.25    | ...    | 5.25    |
| Ash, schoolyard.....                     | ...          | ...      | 14.00   | ...    | 14.00   |
| Ash, Bridge northwest corner.....        | ...          | ...      | ...     | ...    | ...     |
| Hanover, No. 453.....                    | ...          | ...      | ...     | ...    | ...     |
| Harrison, No. 160.....                   | ...          | ...      | ...     | ...    | ...     |
| Prospect, Beech to Walnut.....           | ...          | ...      | ...     | ...    | ...     |
| Prospect, corner Walnut.....             | ...          | ...      | ...     | ...    | ...     |
| Prospect, Beech westerly.....            | ...          | ...      | ...     | ...    | ...     |
| Prospect, Russell northeast corner.....  | ...          | ...      | ...     | ...    | ...     |
| Russell, No. 97.....                     | ...          | ...      | ...     | ...    | ...     |
| Walnut, Prospect to Harrison.....        | ...          | ...      | 39.00   | ...    | 39.00   |
| Arlington, No. 16.....                   | ...          | 1        | 8.00    | .50    | 8.50    |
| Arlington, Russell to Nashua.....        | ...          | ...      | 23.47   | ...    | ...     |
| Elm, Orange to Myrtle.....               | ...          | ...      | ...     | 3.06   | 26.53   |
| Beech, No. 567.....                      | 1            | ...      | 2.41    | ...    | 2.41    |
| Beech, Laurel to Merrimack.....          | 1            | ...      | 19.30   | 4.50   | 23.80   |
| Beech, Lake avenue northeast corner..... | 2            | ...      | 3.50    | 1.80   | 5.30    |
| Beech, Lake avenue northeast corner..... | 5            | ...      | 8.75    | 4.50   | 13.25   |
| Beech, corner Central.....               | 5            | ...      | ...     | ...    | ...     |
| Beech, No. 727.....                      | ...          | ...      | ...     | ...    | ...     |
| Beech, No. 586.....                      | ...          | ...      | ...     | ...    | ...     |
| Central, No. 360.....                    | ...          | ...      | ...     | ...    | ...     |
| Hanover and Lincoln.....                 | ...          | ...      | ...     | ...    | ...     |
| Myrtle and Union.....                    | 2            | ...      | ...     | ...    | ...     |
| Union, Lowell to Concord.....            | 4            | 2        | ...     | ...    | ...     |
| Union, No. 587.....                      | ...          | 3        | ...     | ...    | ...     |
| Union, No. 642.....                      | ...          | ...      | 79.45   | 8.57   | 88.02   |
| Blodget, Elm to Chestnut.....            | ...          | ...      | ...     | ...    | ...     |
| Chestnut, Harrison to Blodget.....       | ...          | ...      | ...     | ...    | ...     |
| Elm, Brook to Pennacook.....             | ...          | ...      | ...     | ...    | ...     |
| Elm, Myrtle to Brook.....                | ...          | ...      | ...     | ...    | ...     |
| Pine, Prospect south.....                | ...          | ...      | ...     | ...    | ...     |
| Prospect, Pine to Elm.....               | ...          | ...      | 31.00   | ...    | 31.00   |

## ITEMIZED OPERATIONS.—Continued.

| LOCATIONS.                                     | Cut<br>Down. | Trimmed. | Labor. | Teams. | Total. |
|--|--------------|----------|--------|--------|--------|
| Blodget, Union .....                           | ...          | ...      | ....   | ....   | ....   |
| Bridge, Pine .....                             | ...          | ...      | ....   | ....   | ....   |
| Hall, corner Manchester.....                   | ...          | ...      | ....   | ....   | ....   |
| Lowell, Walnut .....                           | ...          | ...      | ....   | ....   | ....   |
| Orange, Pine.....                              | ...          | ...      | \$6.00 | \$1.85 | \$7.85 |
| Bridge, corner Pine.....                       | ...          | ...      | 4.22   | .30    | 4.52   |
| Bridge, Maple southwest corner.....            | ...          | ...      | 4.82   | ....   | 4.82   |
| Brook, Elm to Chestnut .....                   | ...          | ...      | ....   | ....   | ....   |
| Chestnut, Prospect to Harrison.....            | ...          | ...      | ....   | ....   | ....   |
| Chestnut, Brook to Harrison.....               | ...          | ...      | ....   | ....   | ....   |
| Concord, Beech westerly .....                  | ...          | ...      | ....   | ....   | ....   |
| Elm, Bridge southerly .....                    | ...          | ...      | ....   | ....   | ....   |
| Elm, Harrison to Brook.....                    | ...          | ...      | ....   | ....   | ....   |
| Harrison, Elm to Chestnut.....                 | ...          | ...      | ....   | ....   | ....   |
| Harrison, Chestnut to Pine.....                | ...          | ...      | ....   | ....   | ....   |
| Myrtle, Elm to Chestnut.....                   | ...          | ...      | ....   | ....   | ....   |
| Prospect, Elm to Chestnut.....                 | ...          | ...      | ....   | ....   | ....   |
| Prospect, No. 86.....                          | ...          | ...      | ....   | ....   | ....   |
| Sagamore, No. 136.....                         | ...          | ...      | ....   | ....   | ....   |
| Walnut, Concord to Bridge.....                 | ...          | ...      | 62.98  | 4.01   | 66.99  |
| Brown avenue (at Mr. Baker's).....             | 1            | ...      | 24.55  | 6.75   | 31.30  |
| Buzzell, corner High.....                      | ...          | 1        | 1.00   | .20    | 1.20   |
| Central, No. 269.....                          | 1            | ...      | 1.53   | .21    | 1.74   |
| Central, between Beech and Union.....          | 1            | ...      | 2.42   | ....   | 2.42   |
| Central, Union northeast corner.....           | ...          | ...      | 5.25   | ....   | 5.25   |
| Chestnut, east side, Bridge north.....         | 1            | ...      | 12.38  | 1.52   | 13.90  |
| Chestnut, west side, Bridge north.....         | 1            | ...      | 8.22   | 1.22   | 9.44   |
| Chestnut, west side, Bridge northerly.....     | 3            | ...      | 32.10  | 9.00   | 41.10  |
| Chestnut, Concord to Myrtle.....               | ...          | ...      | ....   | ....   | ....   |
| Concord, Pine southwest.....                   | 3            | ...      | ....   | ....   | ....   |
| Elm, Winter Place.....                         | 1            | ...      | ....   | ....   | ....   |
| Harrison, Lincoln southeast corner.....        | ...          | ...      | ....   | ....   | ....   |
| Linden, Prospect northwest corner.....         | ...          | ...      | ....   | ....   | ....   |
| Pine, Myrtle to Concord.....                   | ...          | ...      | 65.58  | 3.68   | 69.26  |
| Concord, Pine east .....                       | ...          | ...      | 25.76  | 11.25  | 37.01  |
| Concord, No. 289.....                          | ...          | 3        | .88    | ....   | .88    |
| Concord and Walnut.....                        | 3            | ...      | 24.00  | 1.50   | 25.50  |
| Concord, Union to Walnut.....                  | ...          | 1        | ....   | ....   | ....   |
| Elm, Washington south.....                     | ...          | 1        | ....   | ....   | ....   |
| High, Chestnut to Pine.....                    | ...          | 1        | ....   | ....   | ....   |
| Laurel south back, Union southeast corner..... | ...          | 1        | 4.77   | .61    | 5.38   |
| Elm (C. A. Bailey's).....                      | 2            | ...      | 3.50   | ....   | 3.50   |
| Elm, Prospect and Harrison.....                | 1            | ...      | 7.52   | .77    | 8.29   |
| Franklin, West Merrimack northeast cor.....    | 1            | ...      | 3.43   | .30    | 3.73   |
| Granite street (McKean's).....                 | 2            | ...      | 61.83  | ....   | 61.83  |
| Granite .....                                  | 1            | ...      | 53.75  | ....   | 53.75  |
| Hall, corner Harrison.....                     | ...          | 1        | 1.00   | .20    | 1.20   |
| Hanover (J. W. Hill's).....                    | 1            | ...      | 1.54   | .20    | 1.74   |
| Hanover, Chestnut to Maple.....                | ...          | ...      | ....   | ....   | ....   |
| Hanover, Maple to Lincoln.....                 | ...          | ...      | 10.50  | ....   | 10.50  |
| Harrison, Walnut northeast corner.....         | 6            | ...      | 10.50  | 5.40   | 15.90  |
| Harrison, No. 91.....                          | ...          | ...      | 3.67   | ....   | 3.67   |
| Harrison, Walnut southwest corner.....         | ...          | ...      | 1.84   | .30    | 2.14   |
| Laurel, Pine to Union .....                    | 1            | ...      | 7.00   | 2.00   | 9.00   |
| Laurel, Maple southwest corner.....            | 2            | ...      | 3.50   | 1.80   | 5.30   |
| Lowell (Calumet club).....                     | 1            | ...      | 3.70   | ....   | 3.70   |
| Manchester, Maple southwest corner.....        | 1            | ...      | 2.42   | ....   | 2.42   |
| Maple and Merrimack.....                       | 1            | ...      | 7.50   | 2.25   | 9.75   |
| Mechanic (Derryfield club).....                | 1            | ...      | 1.75   | ....   | 1.75   |
| Merrimack, Union to Beech.....                 | 1            | 3        | 14.21  | ....   | 14.21  |
| Merrimack, Pine southeast corner.....          | 3            | ...      | 22.11  | .48    | 22.59  |
| Merrimack, No. 390.....                        | ...          | ...      | 2.70   | .40    | 3.10   |
| Merrimack, No. 499.....                        | 1            | ...      | 1.98   | .35    | 2.33   |
| Orange, between Ash and Maple.....             | 1            | ...      | 1.52   | .20    | 1.72   |
| Orange, No. 48.....                            | 1            | ...      | 8.93   | .30    | 9.23   |

## ITEMIZED OPERATIONS.—Continued.

| LOCATIONS.                               | Cut<br>Down. | Trimmed. | Labor. | Teams. | Total. |
|--|--------------|----------|--------|--------|--------|
| Myrtle, corner Maple.....                | 1            | ...      | \$1.52 | \$0.20 | \$1.72 |
| Pearl, No. 120.....                      | ...          | ...      | 2.70   | .50    | 3.20   |
| Pine, Laurel to Merrimack.....           | 1            | ...      | 7.37   | .13    | 7.50   |
| Prospect and Union northwest corner..... | ...          | ...      | .87    | ....   | .87    |
| Prospect, Walnut southeast corner.....   | ...          | ...      | .88    | ....   | .88    |
| Prospect, Walnut southeast corner.....   | ...          | 4        | 1.39   | .30    | 1.69   |
| Third, south of Ferry.....               | 1            | ...      | 1.75   | ....   | 1.75   |
| Union, Lowell and Seneca lane.....       | 1            | ...      | 8.00   | .50    | 8.50   |
| Walnut, No. 39.....                      | ...          | ...      | 2.70   | .50    | 3.20   |

CARE OF COMMONS.

| EXPENDITURES.       |                            | RECEIPTS.  |            |                      |                      |
|---------------------|----------------------------|------------|------------|----------------------|----------------------|
| For                 | To                         | Cr.        | Dr.        | By                   | For                  |
| Fertilizer .....    | H. B. Fairbanks.....       | \$79.80    | \$4,500.00 | Common council ..... | Care of commons..... |
| Flowers .....       | F. J. Bixby .....          | 182.90     |            |                      |                      |
| Freight .....       | Boston & Maine R. R. ....  | 7.20       |            |                      |                      |
| Insurance .....     | William G. Berry.....      | 5.00       |            |                      |                      |
| Labor .....         | The Head & Dowst Co. ....  | 3.00       |            |                      |                      |
| Lights .....        | M. T. L. & P. Co. ....     | 67.32      |            |                      |                      |
| Lumber .....        | The Head & Dowst Co. ....  | \$3.24     |            |                      |                      |
|                     | The J. H. Mendell Co. .... | 20.57      |            |                      |                      |
|                     | West Side Lumber Co. ....  | 18.40      |            |                      |                      |
| Payroll .....       | Commons .....              | 42.21      |            |                      |                      |
| Salary of superin-  |                            | 1,930.24   |            |                      |                      |
| tendent .....       | John Seastrom .....        | 810.00     |            |                      |                      |
| Spraying trees..... | Daniel F. Cronin.....      | 526.38     |            |                      |                      |
| Supplies .....      | Pike & Heald Co. ....      | \$9.55     |            |                      |                      |
|                     | G. W. Spaulding.....       | 2.80       |            |                      |                      |
|                     | John B. Varick Co. ....    | 48.75      |            |                      |                      |
| Tools .....         | John B. Varick Co. ....    | 61.10      |            |                      |                      |
| Water .....         | Water commissioners.....   | 2.71       |            |                      |                      |
|                     |                            | 708.69     |            |                      |                      |
| Balance .....       | Common council.....        | \$4,426.55 | \$4,500.00 |                      |                      |
|                     |                            | 73.45      |            |                      |                      |
|                     |                            | \$4,500.00 | \$4,500.00 |                      |                      |

ITEMIZED OPERATIONS.

| WORK.                | Nature of                             |                              | Cost.      |          |        |
|----------------------|---------------------------------------|------------------------------|------------|----------|--------|
| Band stands .....    | Erecting new .....                    | \$5.25                       | \$51.38    |          |        |
|                      | Erecting and taking down.....         | 22.64                        |            |          |        |
|                      | Repairing .....                       | 18.78                        |            |          |        |
|                      | Taking care of .....                  | 4.71                         |            |          |        |
| Cesspools .....      | Cleaning .....                        | \$16.17                      | 26.95      |          |        |
|                      | Laying new cesspool pipe.....         | 5.39                         |            |          |        |
|                      | Washing out cesspool pipe.....        | 5.39                         |            |          |        |
| Flower beds.....     | Cleaning .....                        | \$14.42                      | 78.78      |          |        |
|                      | Cleaning and spading.....             | 5.39                         |            |          |        |
|                      | New fences .....                      | 5.39                         |            |          |        |
|                      | Repairing fences .....                | 9.90                         |            |          |        |
|                      | Planting seeds .....                  | 9.17                         |            |          |        |
|                      | Preparing .....                       | 16.45                        |            |          |        |
|                      | Removing brush .....                  | 3.64                         |            |          |        |
|                      | Watering .....                        | 14.42                        |            |          |        |
| Fountains .....      | Cleaning .....                        | \$7.14                       | 44.73      |          |        |
|                      | Covering .....                        | 14.42                        |            |          |        |
|                      | Painting and cleaning.....            | 8.75                         |            |          |        |
|                      | Repairing .....                       | 5.39                         |            |          |        |
|                      | Uncovering .....                      | 9.03                         |            |          |        |
| Harnesses .....      | Cleaning .....                        |                              | 3.78       |          |        |
| Lawns .....          | Cleaning .....                        | \$50.54                      | 961.90     |          |        |
|                      | Cutting and trimming trees.....       | 19.67                        |            |          |        |
|                      | Cutting grass .....                   | 256.83                       |            |          |        |
|                      | Drawing loam .....                    | 92.05                        |            |          |        |
|                      | Grading around walks.....             | 23.31                        |            |          |        |
|                      | Picking paper .....                   | 293.25                       |            |          |        |
|                      | Raking leaves .....                   | 157.20                       |            |          |        |
|                      | Raking leaves and cutting dead trees. | 17.78                        |            |          |        |
|                      | Removing stumps .....                 | 10.50                        |            |          |        |
|                      | Seeding and grading .....             | 29.43                        |            |          |        |
|                      | Topdressing .....                     | 11.34                        |            |          |        |
|                      | Lawn mower.....                       | Cleaning and sharpening..... |            |          | 9.17   |
|                      | Lincoln statue.....                   | Grading and turfing.....     |            |          | 7.87   |
| Seats .....          | Painting .....                        | \$61.32                      | 120.89     |          |        |
|                      | Putting out .....                     | 34.37                        |            |          |        |
|                      | Taking in .....                       | 25.20                        |            |          |        |
|                      | Skating rinks .....                   |                              |            | 85.71    |        |
| Smudge pots (B.T.M.) | Putting out .....                     | \$12.53                      | 13.47      |          |        |
|                      | Taking in .....                       | .94                          |            |          |        |
| Swings .....         | Putting up .....                      |                              | 5.39       |          |        |
| Teaming .....        | Drawing bedding .....                 |                              | 3.64       |          |        |
| Trees .....          | Cutting (dead trees) .....            | \$17.78                      | 140.39     |          |        |
|                      | Setting out .....                     | 3.64                         |            |          |        |
|                      | Trimming .....                        | 118.97                       |            |          |        |
|                      | Walks .....                           | Cleaning snow and ice.....   |            | \$192.39 | 373.34 |
|                      | Sweeping .....                        | 180.95                       |            |          |        |
|                      |                                       |                              | \$1,927.39 |          |        |

STARK PARK.

FINANCIAL STATEMENT.

| EXPENDITURES.        |                                   |            | RECEIPTS.  |                      |                  |
|----------------------|-----------------------------------|------------|------------|----------------------|------------------|
| For                  | To                                | Cr.        | Dr.        | By                   | For              |
| Flowers .....        | J. F. Bixby .....                 | \$75.08    | \$2,000.00 | Common council ..... | Stark park ..... |
| Freight .....        | Boston & Maine R. R. ....         | 2.00       |            |                      |                  |
| Payroll .....        | Commons .....                     | 822.77     |            |                      |                  |
| Spraying trees ..... | Daniel F. Cronin .....            | 33.96      |            |                      |                  |
| Steel fence .....    | Steel Protected Concrete Co. .... | 62.40      |            |                      |                  |
| Supplies .....       | Pike & Heald Co. ....             | \$1.75     |            |                      |                  |
|                      | John B. Varick Co. ....           | 8.81       |            |                      |                  |
| Tools .....          | John B. Varick Co. ....           | 10.56      |            |                      |                  |
| Water .....          | Water commissioners .....         | 4.00       |            |                      |                  |
|                      |                                   | 12.00      |            |                      |                  |
| Balance .....        | Common council .....              | \$1,022.77 | \$2,000.00 |                      |                  |
|                      |                                   | 977.23     |            |                      |                  |
|                      |                                   | \$2,000.00 | \$2,000.00 |                      |                  |



## ITEMIZED OPERATIONS.

| WORK.                 | Nature of   | Materials. | Labor.   | Total.     |          |
|-----------------------|---|------------|----------|------------|----------|
| Burying ground.....   | Removing, painting and replacing flagpole for Louis Bell post, G. A. R..... |            | \$10.50  |            |          |
|                       | Repairing fence .....   |            | 3.78     |            |          |
|                       | Resetting stones .....  |            | 1.89     |            |          |
|                       | Steel corners for curb around monument .....                                | \$62.40    |          |            |          |
|                       | Freight on steel.....   | 2.00       |          |            |          |
|                       |   |            |          | \$16.17    |          |
|                       |   |            |          | 64.40      |          |
| Drinking fountain.... |   | \$12.00    |          |            |          |
|                       |   | 1.75       |          |            |          |
|                       |   |            |          | 13.75      |          |
| Flower beds.....      | Manuring .....  |            | \$3.50   |            |          |
|                       | Planting .....  |            | 5.53     |            |          |
|                       | Watering .....  |            | 5.25     |            |          |
|                       | Weeding .....   |            | 9.62     |            |          |
|                       | Picking .....   |            | 10.50    |            |          |
|                       | Planting tulips .....   |            | 3.64     |            |          |
|                       |   |            |          | 38.04      |          |
|                       |   | \$75.08    |          |            |          |
| Haying .....          | Flowers and plants.....   |            |          | 75.08      |          |
|                       | Bedding .....   |            | \$68.18  |            |          |
|                       | Cutting .....   |            | 107.76   |            |          |
|                       | Hay .....   |            | 14.27    |            |          |
|                       |   |            |          | 190.21     |          |
| Lawns .....           | Hauling manure, ashes, top-dressing, etc.....                               |            | \$14.56  |            |          |
|                       | Hauling loam .....  |            | 35.98    |            |          |
|                       | Hired teams .....   |            | 11.25    |            |          |
|                       | Labor .....   |            | 44.07    |            |          |
|                       |   |            |          |            | 105.86   |
| Patrolling .....      |   |            | \$24.50  | 24.50      |          |
| Roadways .....        | Cleaning gutters .....  |            | \$203.05 |            |          |
|                       | Repairing .....   |            | 21.28    |            |          |
|                       |   |            |          |            | \$224.33 |
| Seats and swings....  | Setting up seats.....   |            | \$5.39   |            |          |
|                       | Repairing seats .....   |            | 5.67     |            |          |
|                       | Painting swings.....  |            | 7.14     |            |          |
|                       |   |            |          |            | 18.20    |
| Shrub beds.....       | Supplies .....  | \$8.81     |          | \$8.81     |          |
|                       | Tools .....   | \$4.00     |          | \$4.00     |          |
|                       | Removing manure .....   |            | \$18.06  |            |          |
|                       | Hoeing .....  |            | 9.62     |            |          |
|                       | Cleaning .....  |            | 41.12    |            |          |
|                       | Manuring .....  |            | 17.92    |            |          |
|                       | Digging around beds.....  |            | 18.20    |            |          |
|                       | Trimming shrubs and drawing brush .....                                     |            | 23.62    |            |          |
|                       |   |            |          |            | \$128.54 |
|                       |   |            |          |            | 33.96    |
| Trees .....           | Spraying .....  | \$33.96    |          |            |          |
|                       | Trimming and removing brush .....   |            | \$55.93  |            |          |
|                       | Picking up brush.....   |            | 9.62     |            |          |
|                       | Raking leaves.....  |            | 2.62     |            |          |
|                       |   |            |          |            | 68.17    |
| Walks .....           | Cleaning .....  |            | \$8.75   | 8.75       |          |
|                       |   |            |          |            |          |
|                       |   |            |          | \$1,022.77 |          |

DERRYFIELD PARK.

| EXPENDITURES.       |                           | RECEIPTS.  |            |                     |                           |
|---------------------|---------------------------|------------|------------|---------------------|---------------------------|
| For                 | To                        | Cr.        | Dr.        | By                  | For                       |
| Fertilizer .....    | John B. Varick Co.....    | \$47.50    | \$1,000.00 | Common council..... | Derryfield park.....      |
| Flowers .....       | F. J. Bixby .....         | 38.10      | 15.50      | John Seastrom ..... | Rent of field glasses.... |
| Insurance .....     | John A. Sheehan.....      | 6.00       |            |                     |                           |
| Payroll .....       | Commons .....             | 788.74     |            |                     |                           |
| Spraying trees..... | Daniel F. Cronin.....     | 54.73      |            |                     |                           |
| Supplies .....      | John B. Varick Co.....    | 36.04      |            |                     |                           |
| Water .....         | Water commissioners ..... | 27.00      |            |                     |                           |
| Balance .....       | Common council.....       | \$998.11   | \$1,015.50 |                     |                           |
|                     |                           | 17.39      |            |                     |                           |
|                     |                           | \$1,015.50 | \$1,015.50 |                     |                           |

## ITEMIZED OPERATIONS.

| WORK.            | Nature of                                     |         | Teams.  | Labor.   |
|------------------|---|---------|---------|----------|
| Apples .....     | Picking .....                                 |         |         | \$5.39   |
| Barn .....       | Painting .....                                |         |         | 18.62    |
| Bedding .....    | Cutting .....                                 |         |         | 18.06    |
| Benches .....    | Repairing .....                               |         |         | 5.39     |
| Bridges .....    | Rebuilding .....                              |         |         | 3.64     |
| Flower beds..... | Preparing .....                               |         |         | 5.39     |
| Gutters .....    | Cleaning .....                                | \$55.58 |         |          |
|                  | Cleaning gutters and cutting<br>grass .....   | 16.59   |         | 72.17    |
| Haying .....     | Labor .....                                   |         |         | 55.51    |
|                  | Hired teams .....                             |         | \$45.00 |          |
| Lawn .....       | Cutting grass .....                           |         |         | 76.51    |
| Roadway .....    | Repairing .....                               |         |         | 74.55    |
| Shrub beds.....  | Cleaning .....                                | \$23.73 |         |          |
|                  | Topdressing .....                             | 10.64   |         |          |
|                  | Trimming shrubs.....                          | 10.39   |         |          |
|                  | Trimming shrubs and fixing<br>road .....      | 11.34   |         | 56.10    |
| Swings .....     | Putting in .....                              |         |         | 3.50     |
| Teaming .....    | Drawing logs to mill.....                     | \$22.68 |         |          |
|                  | Drawing plank to yard.....                    | 15.12   |         |          |
|                  | Drawing gravel and repairing<br>roadway ..... | 14.87   |         | 52.67    |
| Tower .....      | Watching .....                                |         |         | 36.75    |
| Trees .....      | Cutting (dead trees).....                     | \$72.52 |         |          |
|                  | Trimming .....                                | 21.70   |         |          |
|                  | Cutting and drawing logs.....                 | 38.01   |         |          |
|                  | Trimming and removing brush                   | 97.78   |         | 230.01   |
| Vaults .....     | Cleaning .....                                |         |         | 5.25     |
| Walks .....      | Cleaning .....                                | \$20.37 |         |          |
|                  | Topdressing .....                             | 21.84   |         | 42.21    |
|                  |   |         | \$45.00 | \$761.72 |

## LAFAYETTE PARK.

| EXPENDITURES.                                    |                                    | RECEIPTS.  |            |                     |                      |
|--|------------------------------------|------------|------------|---------------------|----------------------|
| For  | To                                 | Ch.        | Dr.        | By                  | For                  |
| Castings .....                                   | Concord Foundry & Machine Co. .... | \$44.00    | \$7,000.00 | Common council..... | Lafayette park ..... |
| Cement .....                                     | Henry W. Parker Co. ....           | 336.17     |            |                     |                      |
| Contract for walls, walks, fence and steps ..... | Hanscom Construction Co. ....      | 3,085.52   |            |                     |                      |
| Freight .....                                    | Boston & Maine R. R. ....          | .67        |            |                     |                      |
| Labor .....                                      | Brodie Elec. & Auto Co. ....       | \$1.50     |            |                     |                      |
|  | Peter Groux.....                   | 131.10     |            |                     |                      |
|  | M. T. L. & P. Co. ....             | .50        |            |                     |                      |
| Lights .....                                     | Standard Oil Co. ....              | 133.10     |            |                     |                      |
|  | The Texas Co. ....                 | \$3.95     |            |                     |                      |
|  |                                    | 4.40       |            |                     |                      |
| Lumber .....                                     | West Side Lumber Co. ....          | 8.35       |            |                     |                      |
| Payroll .....                                    | Division No. 2 .....               | 301.26     |            |                     |                      |
|  | 10 .....                           | 2,947.13   |            |                     |                      |
| Supplies .....                                   | Samuel Cabot, Inc. ....            | \$27.32    |            |                     |                      |
|  | M. T. L. & P. Co. ....             | 1.50       |            |                     |                      |
|  | William H. Perry Co. ....          | 9.28       |            |                     |                      |
|  | Pike & Heald Co. ....              | 6.37       |            |                     |                      |
|  | John B. Varick Co. ....            | 243.88     |            |                     |                      |
| Tools .....                                      | John B. Varick Co. ....            | 288.35     |            |                     |                      |
|  |                                    | 1.18       |            |                     |                      |
|  |                                    | \$7,786.42 | \$7,000.00 | Common council..... | Overdraft .....      |
|  |                                    | \$7,786.42 | 786.42     |                     |                      |
|  |                                    |            | \$7,786.42 |                     |                      |

## ITEMIZED OPERATIONS.

| WORK.                                   | Labor.     | Teams.   | Total.     |
|---|------------|----------|------------|
| Building drains and laying pipe.....    | \$367.22   | \$76.50  | \$443.72   |
| Digging ditch for wall.....             | 29.74      | .....    | 29.74      |
| Grading with ashes and topdressing..... | 1,170.44   | 708.25   | 1,878.69   |
| Hauling supplies .....                  | 113.11     | 57.40    | 170.51     |
| Miscellaneous work .....                | 165.68     | .....    | 165.68     |
| Running mixer .....                     | 217.53     | 81.97    | 299.50     |
|   | \$2,063.70 | \$924.12 | \$2,987.82 |

MISCELLANEOUS PLAYGROUNDS.  
FINANCIAL STATEMENT.

| EXPENDITURES.         |                             |          | RECEIPTS. |                      |                            |
|-----------------------|-----------------------------|----------|-----------|----------------------|----------------------------|
| For                   | To                          | Cr.      | Dr.       | By                   | For                        |
| Freight .....         | Boston & Maine R. R.....    | \$0.70   | \$200.00  | Common council.....  | Miscellaneous playgrounds. |
| Handball court* ..... | Robie Con. Concrete Co..... | 110.00   |           |                      |                            |
| Labor .....           | M. T. L. & P. Co.....       | \$8.88   |           |                      |                            |
|                       | West Side Lumber Co.....    | 1.50     |           |                      |                            |
| Lumber .....          | The J. H. Mendell Co.....   | 10.38    |           |                      |                            |
|                       | West Side Lumber Co.....    | 22.05    |           |                      |                            |
| Payroll .....         | Commons .....               | 32.45    |           |                      |                            |
|                       | Division No. 2 .....        | 169.99   |           |                      |                            |
| Playground apparatus  | Narragansett Machine Co...  | \$60.00  |           |                      |                            |
|                       | John B. Varick Co.....      | 24.00    |           |                      |                            |
| Rent of playground.   | Amoskeag Mfg. Co.....       | 84.00    |           |                      |                            |
| Supplies .....        | M. T. L. & P. Co.....       | 1.00     |           |                      |                            |
|                       | Nelson's 5 & 10c store..... | 1.80     |           |                      |                            |
|                       | John B. Varick Co.....      | 23.12    |           |                      |                            |
| Water .....           | Water commissioners.....    | 38.92    |           |                      |                            |
|                       |                             | 29.07    | 176.51    | Common council ..... | Overdraft .....            |
|                       |                             | \$476.51 | \$476.51  |                      |                            |

\*See Engineer's Department report, Table No. 6.



ITEMIZED OPERATIONS.

| WORK.                         | NATURE OF   | Materials. | Labor.   | Team.   | Total cost. |
|-------------------------------|---|------------|----------|---------|-------------|
| Barry playground .....        | North handball, court building.....                                 | .....      | \$29.68  | \$0.61  | \$30.29     |
|                               | Leveling .....  | .....      | 2.94     | 2.25    | 5.19        |
|                               | Four 30' chestnut poles .....                                       | \$14.00    | .....    | .....   | .....       |
|                               | Edging poles .....  | 1.50       | .....    | .....   | .....       |
|                               | Erecting poles .....  | 8.88       | .....    | .....   | .....       |
|                               | 2,280 ft. b. m. spruce plank.....                                   | 57.00      | .....    | .....   | .....       |
|                               | Tar concrete floor.....   | 83.33      | .....    | .....   | .....       |
|                               | Spikes and bolts .....  | 2.45       | .....    | .....   | .....       |
|                               | South handball court, repairing.....                                | .....      | 4.76     | .....   | 167.16      |
|                               | Extending tar concrete floor.....                                   | .....      | .....    | .....   | 4.76        |
|                               | Baseball grounds (cutting diamond)                                  | 26.67      | .....    | .....   | 26.67       |
|                               | Rent of playground.....   | .....      | 8.89     | .....   | 8.89        |
| Canal-street playground.....  | Back stop repairs .....   | 1.00       | .....    | .....   | 1.00        |
| Concord common.....           | Children's playground (sand pile boxes).....                        | .....      | 1.75     | .....   | 1.75        |
|                               | Lumber .....  | 32.45      | 77.48    | 9.63    | 86.11       |
|                               | Shovels and pails .....   | 1.80       | .....    | .....   | .....       |
|                               | Rope and supplies .....   | 17.07      | .....    | .....   | .....       |
|                               | Sliding board .....   | 60.00      | .....    | .....   | .....       |
|                               | Freight .....   | .70        | .....    | .....   | .....       |
|                               | Lawn swings .....   | 24.00      | .....    | .....   | .....       |
|                               | Erecting and taking down grand stand (Col. Roosevelt's visit) ..... | .....      | 6.10     | .....   | 6.10        |
|                               | Back stop repairs .....   | .....      | 1.75     | .....   | 1.75        |
|                               | Back stop (erecting) .....  | .....      | 3.50     | .....   | 3.50        |
| Wilson-street playground..... | Wire netting and lumber.....  | 3.60       | .....    | .....   | 3.60        |
|                               |   | \$334.45   | \$136.85 | \$12.49 | \$483.79    |

PLAYGROUND IN WARD 8.  
FINANCIAL STATEMENT.

| EXPENDITURES.         |                             | RECEIPTS. |          |                      |                           |
|-----------------------|-----------------------------|-----------|----------|----------------------|---------------------------|
| For                   | To                          | Cr.       | Dr.      | By                   | For                       |
| Handball court* ..... | Robie Con. Concrete Co..... | \$72.83   | \$100.00 | Common council.....  | Playground in Ward 8..... |
| Labor .....           | West Side Lumber Co.....    | 5.00      |          |                      |                           |
| Payroll .....         | Division No. 2 .....        | 31.19     |          |                      |                           |
| Supplies .....        | M. T. L. & P. Co.....       | \$24.50   |          |                      |                           |
|                       | John B. Varick Co.....      | 1.28      |          |                      |                           |
|                       |                             | 25.78     |          |                      |                           |
|                       |                             | \$134.80  | \$100.00 | Common council ..... | Overdraft .....           |
|                       |                             |           | 34.80    |                      |                           |
|                       |                             | \$134.80  | \$134.80 |                      |                           |

\*See Engineer's Department report, Table No. 6.

ITEMIZED OPERATIONS.

| WORK.               | NATURE OF                                       | Materials. | Labor.  | Team.  | Total cost. |
|---------------------|---|------------|---------|--------|-------------|
| Handball court..... | Erecting<br>2,016 feet b. m. spruce plank ..... | .....      | \$22.67 | \$5.37 | \$30.04     |
|                     | Concrete court .....                            | \$50.40    | .....   | .....  | 50.40       |
|                     | Seven 30' chest poles .....                     | 72.83      | .....   | .....  | 72.83       |
|                     | Edging 7 poles .....                            | 24.50      | .....   | .....  | 24.50       |
|                     | Woven wire for top of wall.....                 | 5.00       | .....   | .....  | 5.00        |
|                     | Benches .....                                   | 1.28       | .....   | .....  | 1.28        |
|                     |   | .....      | 1.15    | .....  | 1.15        |
|                     |   |            |         |        | \$185.20    |

Walls 21 feet high; back wall 32' wide; wing walls each 7.2' long; floor, tar concrete.



REPORT OF THE CITY SOLICITOR.





## REPORT OF THE CITY SOLICITOR.

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*To the City Councils:*

I beg to submit my report as solicitor for the city of Manchester for the year of 1910.

Lord vs. Manchester, and Mendall vs. Manchester, to which I referred in my report for the year of 1909: the former has been satisfactorily adjusted, the latter is still pending, and will be finally disposed of at the present term of the superior court. Of the actions now pending against the city of Manchester, the case of Harrington vs. Manchester is by far the most important.

This was an appeal from an award made by the board of mayor and aldermen in laying out Grove street as a new highway; the matter was referred to the county commissioners and a hearing was held on the seventeenth day of August, 1910; the report of the commissioners sustained the findings of the board of mayor and aldermen; whereupon an appeal was taken by the plaintiffs, and the case is now pending in the superior court. However, an effort is being made by counsel for both parties whereby an agreement may be reached and the case transferred to the supreme court on questions of law.

I am quite confident that the outcome of this case will be favorable to the city of Manchester, and if favorable to our city, will be far-reaching in its effect throughout the state, and will result in eliminating future attempts on the part of corporations and individuals from claiming land dedicated to the public use for streets and highways.

I would strongly urge upon the heads of the various departments of the city of Manchester the necessity of promptly advising the solicitor of accidents happening to employees of said city, or other causes from which legal complications may arise, within their respective departments, so that the solicitor may be better able to meet the exigencies which present themselves.

Respectfully submitted,

JOHN T. NIXON,

*City Solicitor.*



REPORT OF THE CITY PHYSICIAN.



## REPORT OF THE CITY PHYSICIAN.

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*To His Honor the Mayor and City Councils of the City of Manchester:*

GENTLEMEN:—I submit the following as my report as city physician for the year 1910:

Number of patients treated (not including those at the Isolation hospital, police station, or for the board of health, or for the street and park commission) was twenty-nine, their distribution as to wards being as follows:

|               |   |
|---------------|---|
| Ward 1 .....  | 2 |
| Ward 2 .....  | 2 |
| Ward 3 .....  | 2 |
| Ward 4 .....  | 6 |
| Ward 5 .....  | 4 |
| Ward 6 .....  | 2 |
| Ward 7 .....  | 0 |
| Ward 8 .....  | 1 |
| Ward 9 .....  | 6 |
| Ward 10 ..... | 4 |

This necessitated the making of 485 house calls and 185 consultations in the office. The number of visits made to the police station was 176, to the Isolation hospital 145; visits made in behalf of the board of health, 16. There were 6 accident cases for the street and park commission, necessitating 10 visits to the Sacred Heart hospital, 14 calls at the homes, and 20 surgical dressings at the office.

JOHN C. O'CONNOR.





REPORT OF BUILDING INSPECTOR.



## REPORT OF THE INSPECTOR OF BUILDINGS.

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*To the Board of Mayor and Aldermen of the City of Manchester:*

GENTLEMEN:—Before entering upon my report to your honorable board of the doings of this department for the year 1910, I desire to express my appreciation for the support which has been accorded me by the members of the city government.

To the mayor and the several committees with whom it has been my privilege to confer I am especially grateful; and in no less measure am I mindful of the assistance accorded me by the heads of the different departments of the city government, and many other public-spirited persons.

On April 5 a communication was sent your honorable board calling your attention to the amount of work devolving upon this office and the need of an assistant in order that the inspector might devote his entire time to the more important work, and that the office might be kept open both morning and afternoon, instead of from 9 A. M. to 12 M.

July 5 an act was finally passed authorizing the inspector of buildings to appoint a clerk. Patrick Joseph Stewart received the appointment, and began his duties July 6.

On the morning of April 28 a fire broke out in the Odd Fellows' block, at 73 to 89 Hanover street, destroying the interior of the building and causing the loss of two lives. May 3 a communication was sent from this office to your honorable board, calling your attention to the inadequacy of the Building Code in the safeguarding of life and property. During your deliberations, a motion was made by Alderman Parnell of Ward 3, and unanimously adopted, that the inspector of buildings be instructed to draw up a new Building Code for the consideration of the board, and to employ such outside assistance as was deemed necessary.

In complying with your instructions, this office compiled a Building Code that was submitted to your honorable board October 4, at which time it was, in accordance with the rules, laid on the table for one month. November 1 it was taken from the table and referred to the committee on bills on second reading, with instructions to report at the next regular meeting. The committee, on November 18, 22, 25, 30, and December 5, held meetings for a thorough study of the proposed Code, at which meetings the inspector of buildings and a majority of the aldermen were present.

On December 6 the committee reported favorably, and, with a few amendments, particularly one increasing the "fire limits," recommended that it pass. On the evening of January 2, 1911, it was finally passed and signed by Mayor Eugene E. Reed.

The regular report of the inspector of buildings for the year 1910 is as follows:

The number of permits issued for new buildings were 287, at an estimated cost of \$1,006,014; for remodeling buildings, 254, at an estimated cost of \$328,516, making a total of 541 permits, representing a cost of \$1,334,530.

Total number of inspections made and recorded by the inspector, 2,051. Increase in the number of family dwellings as recorded, 558. Number of cases in which the inspector refused to grant a permit, 12.

The 541 permits issued during the year may be classified as follows:

|   |                    |
|---|--------------------|
| Erecting new dwelling-houses, 230 permits, estimated cost .....               | \$709,195          |
| Remodeling dwelling-houses, 185 permits, estimated cost .....                 | 152,236            |
| Total for dwelling-houses, 415 permits, estimated cost .....                  | <u>\$861,431</u>   |
| Erecting new buildings for business purposes, 51 permits, estimated cost..... | \$153,219          |
| Remodeling buildings for business purposes, 61 permits, estimated cost .....  | 133,980            |
| Total for buildings for business purposes, 112 permits, estimated cost.....   | <u>\$287,199</u>   |
| Remodeling public buildings, 2 permits, estimated cost .....                  | <u>\$23,750</u>    |
| Erecting new semi-public buildings, 6 permits, estimated cost .....           | \$143,600          |
| Remodeling semi-public buildings, 6 permits, estimated cost .....             | 18,550             |
| Total for semi-public buildings, 12 permits, estimated cost .....             | <u>\$162,150</u>   |
| Total for all buildings, 541 permits, estimated cost .....                    | <u>\$1,334,530</u> |
| Erecting wood frame buildings, 276 permits, estimated cost .....              | \$721,860          |
| Remodeling wood frame buildings, 251 permits, estimated cost .....            | 246,516            |
| Total for wood frame buildings, 527 permits, estimated cost .....             | <u>\$968,376</u>   |

|  |           |
|--|-----------|
| Erecting brick buildings, 9 permits, estimated cost....              | \$283,500 |
| Remodeling brick buildings, 3 permits, estimated cost..              | 82,000    |
|  | <hr/>     |
| Total for brick buildings, 12 permits, estimated cost                | \$365,500 |
| Erecting concrete block buildings, 2 permits, estimated cost .....   | 654       |
|  | <hr/>     |
| Total for fire-resisting buildings, 14 permits, estimated cost ..... | \$366,154 |
| Fire escape inspections made during the year.....                    | 73        |
| Fire escapes erected during the year.....                            | 9         |
| New buildings under construction December 31, 1910....               | 113       |
| Buildings undergoing alteration and repair, December 31, 1910 .....  | 36        |

Respectfully submitted,

S. A. SPRAGUE,

*Inspector of Buildings.*

JANUARY 3, 1911.





REPORTS  
OF THE  
TRUSTEES OF CEMETERIES AND  
CEMETERY FUNDS.



# REPORTS OF THE TRUSTEES OF CEMETERIES AND CEMETERY FUNDS.

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## Report of Trustees of Pine Grove Cemetery.

*To the Trustees of Cemeteries and the Board of Mayor and Aldermen of the City of Manchester:*

GENTLEMEN:—I am directed by the subtrustees of the Pine Grove cemetery to submit a report for the year 1910.

The care of the Pine Grove and the Merrill Yards was continued under the efficient management of Superintendent John H. Erskine, who carried on the work along the same general lines as for a number of years, and employed in the work an average number of eighteen workmen. The proper care of the grounds and the maintenance of the standard set by him in the past make necessary each succeeding year more labor and the employment of additional help. Fortunately the receipts increase proportionately, and the actual expense to the taxpayers is now but little, if any, greater than when the Pine Grove cemetery was one half its present size.

The appropriation for the Merrill Yard for 1910 was \$100, which was expended in the ordinary work. The cash receipts from the same yard amounted to \$56, which were covered into the city treasury.

The appropriation for the year 1910 was \$19,500 for the maintenance of Pine Grove cemetery and the purchase of an extension to the grounds. Acting under the authority of that appropriation, the subtrustees purchased from Mrs. John C. Ray and Mrs. Electa M. Priest six and one quarter acres of land lying between the cemetery and Mitchell street and Brown avenue. For this tract, upon which is quite a substantial cottage occupied by tenants, the sum of \$4,500 was paid. This purchase completes the extension of the existing cemetery, so that now it is entirely surrounded by highways. Mitchell street on the north, Brown avenue on the west and Calef road on the east, and the latter two highways come together at the southerly end of the grounds.

Everyone interested in the cemetery must appreciate the importance and desirability of this result, which the subtrustees have been anxious to accomplish for several years.

Taking from the \$19,500 appropriated the purchase price of the

land, the sum of \$15,000 is left, available for the care and maintenance of the grounds, and of this sum \$14,979.75 were expended. The receipts to the city treasury to set against this appropriation were \$11,476.72.

This sum came from the sale of lots and water, the care of lots, interments, removals, use of the chapel, sale of flowers, and rent, and was paid in cash into the treasury, thus reducing the actual cost of maintaining the existing cemetery to a trifle over \$3,500. For the results obtained the subtrustees think that this cost was not exorbitant, although it was a little larger than in some recent years.

And it is to be noted that the iron fence, the woodwork on the chapel, the waiting room, the storehouse, the superintendent's residence, and the greenhouses were all painted, and the expense of doing the work was included in the sum of \$3,500. Also the grading of Birch avenue, under semiperpetual care, containing about 17,796 square feet, was completed and a new lawn under perpetual care was begun in the northwest part of the grounds, to be known as Spruce lawn, and 102 lots, containing 23,113 square feet, were graded, loamed and staked out, ready for sale.

About 1,300 square feet around the Gould mausoleum were loamed and seeded; and during the work of regrading certain private lots, for which work the owners paid, some 1,600 square feet of paths and borders were graded and grassed. A section of the Field of Manesque was seeded and is ready to lay out into graves.

There were laid during the year around Birch and Spruce lawns 395 feet of three-inch water pipe, 1,030 feet of two-inch pipe and 255 feet of one-inch pipe, and 25 hydrants were put in place to provide for the watering of these sections. Owing to a change of grade, the two-inch pipe in Riverside avenue, west of Spruce lawn, for a distance of 350 feet, had to be lowered one foot, so as to be safe from frost.

A new drinking fountain was put in near Lakeside and Chapel lawns, and 11 old hydrants, which were sadly out of repair, were dug up and put in working order. The hedge on the east side was extended to the northeasterly corner of the grounds, fifty Norway spruce trees being used. About fifty other trees and shrubs were set out, and preparations made for quite an amount of planting in the spring.

The labor of preparing and laying about 2,800 square yards of macadam in roadways and paths was paid out of the appropriation, but the cost of the crushed stone, \$814.31, and the expense of teaming the same, \$185.69, were paid by the donation of \$1,000 made by the trustees of the cemetery fund, for which the subtrustees hereby return their thanks.

The superintendent procured for the hauling 262 loads of loam from the streets which were cut through the Harrington farm.

and this loam was used in regrading old lots and making an addition to the Grand Army lot.

By an arrangement with a committee from the Swedish Mission church, the section which is set apart for the use of the members of that church was spaded and seeded, and the committee agreed to pay in the future \$25 a year for water and care.

In addition to these things especially mentioned, all labor and supplies necessary for the care of the cemetery were covered by the \$3,500, while on the lots under perpetual care, beside the usual work of watering and cutting the grass, several lots were regraded, all the monuments, headstones and markers on Riverside and Pine lawns were cleaned, as well as some on Landscape lawn, and nearly all the stones on the ordinary lots which have been placed under perpetual care. This is a necessary and proper work on lots under perpetual care, and the coming season the remaining monuments and stones under such care will receive similar treatment.

The superintendent estimates that the plants started in the greenhouses and used in the grounds during the year were of the value of at least \$1,500. This figure demonstrates the usefulness and economy of the greenhouses, which were conducted as a part of the general care of the grounds, and the expense of which is a part of the \$3,500, actual cost of the maintenance for the year.

During the year the number of interments was 345, making the total number of interments January 1, 1911, 9,210.

There were 30 removals from one grave to another, 5 from other cemeteries to the Pine Grove and 3 from Pine Grove to other grounds. Of the interments for the year 104 were in the Field of Manesque, or public ground, and 17 were in Woodside lawn, the single grave section under semiperpetual care.

In 1910 foundations were laid for 63 monuments, 66 tablets and one mausoleum. Private lots were regraded to the number of 21, and during the year 487 loads of clay were used, 200 loads of gravel, and 483 loads of loam, in addition to the 292 mentioned above.

During the year 62 lots were sold, also 21 graves on Woodside lawn and 5 graves on Swedish lawn, making the total number of lots sold January 1, 1911, 3,211, and the total number of graves sold on Woodside lawn 98, and on Swedish lawn 184.

There remain unsold, January 1, 1911, on Chapel lawn 30 old lots and 19 which were laid out in 1910, on Riverside lawn 1, on Lakeside lawn 10, and on Spruce lawn 102, all under perpetual care; on Hillside lawn 31, on Birch lawn 51, all under semiperpetual care; on Cedar lawn 1, on Acacia lawn 4, and on Swedish lawn 9. In all there are 258 lots plotted and ready for sale, while 406 graves remain unsold on Swedish lawn and 27 on Woodside lawn.

During the year the owners paid for the care of 454 ordinary lots, the perpetual care fund paid for the care of 829 lots, and semiperpetual care fund paid for the care of 395. Thus we see that over

one half of all the lots in the cemetery which have been sold are cared for at the expense of the owners, or of the funds furnished by the owners.

The other lots, which are mostly the ones earliest sold, must necessarily receive some attention at the public expense in order to preserve any proper uniformity of appearance in the grounds. But this number will continue to grow proportionately smaller each year, as no lots have been sold for several years, and none will be sold in the future, unless under perpetual or semiperpetual care, under which provision is made for all the ordinary care of the lots without charge to the city.

It may be interesting to note that the total amount of the funds for such care on January 1, 1911, amounted to \$134,183.96, which will furnish an annual income of about \$4,800 available for the proper uses.

But the most important of the happenings of 1910 was the purchase of 88 acres of land lying opposite the existing cemetery on the westerly side of Brown avenue, and extending to the railroad.

The cost was \$19,602, and was provided for by an issue of bonds authorized by the common council. On the tract are houses, with seven tenements which have been rented for about \$700 annually.

Until the land is needed for burial purposes this rent will reduce the interest charge; and with the land the right of draining the present cemetery and the new tract into Merrimack river was acquired, a matter of great importance and value. This purchase furnishes an addition to Pine Grove cemetery which will satisfy the city's needs for many years.

The land is most desirably situated, and the acquisition of it by the city, and for an extension to the cemetery, has been quietly but persistently urged by some of the subtrustees for several years.

We believe that no act of the last city government will reflect greater credit on their administration than this purchase.

And to Mayor Reed and to the members of the board of mayor and aldermen and common council, who accepted their recommendation and authorized the purchase, the subtrustees wish to publicly express their own sincere thanks and to bespeak for their action the grateful appreciation of every citizen who is at all interested in the public burial places in the city of Manchester.

Respectfully submitted,

EDWIN F. JONES,

*Clerk for the Subtrustees.*



## Report of the Trustees of Valley Cemetery.

*To the Trustees of Cemeteries and the Board of Mayor and Aldermen of Manchester, N. H.:*

GENTLEMEN:—The subtrustees of the Valley cemetery would report for the year 1910 as follows:

In one respect all annual reports are more or less alike, they should and usually do show progress; but in the case of an old cemetery such as the Valley, where no new work of any great scope is possible because the fundamental work has all been done in the past, the progress must always be along lines more in the nature of repairs and replacements, more in conserving and preserving what has been accomplished than in attempting new work.

Thus it is we find during the year there has been graded about 12,000 feet of lawn near the Valley street side of the cemetery, making the same conform to the same general landscape effect adopted in the other parts of the grounds. An innovation in this newly-graded part has been tried of setting out some sixty ever-green trees, somewhat after the manner of a hedge, which promises well for the future.

In this, with other work as well, 3,519 square feet of turf has been used and 190 loads of loam, and 300 loads of sand have been removed from the cemetery. During the year there have been employed three men all the time, and in the busy season five additional. The largest item of expense in the maintenance of this property is that of labor, that alone being \$4,000.

As giving some idea of what is performed each year, we find that there are 226 lots under perpetual care, and 225 lots under annual care, and that the care and maintenance of these lots takes practically all the time of five men. Then there are walks, driveways, shrubbery and flowerbeds requiring the constant care of the superintendent and men, which reflect much credit upon them.

During the last year an additional amount of work has been necessary owing to the prevalence of that pest, the brown-tail moth. Some four hundred trees were found to be infested, and from these it is estimated ten thousand nests were removed. The coming year will doubtless show still larger number of trees and nests. If this pest is to continue, some other method than cutting away the nests ought to be found. The amount of cutting now required to remove the nests is fast approaching the danger line of permanent injury to the tree. I would suggest that it would probably be the part of wisdom for the city to purchase some suitable and satisfactory power spraying apparatus, which could be used at this cemetery and Pine Grove as well.

Seven new monuments, five new headstones, and twelve grave-markers have been placed in position during the year. There have been twenty-five bodies placed in the tomb, a little over half of the

usual number, due perhaps to the open winter of 1909 and 1910, for the interments during the year, fifty-eight, show an increase of twelve over last year.

Outside of the cemetery, the work has been confined to the completion of the sidewalk and curb on Valley street, and the straightening of the fence alongside the same.

With the exception of a part of Willow street, the sidewalk and fence around the cemetery are now in excellent condition. Attention was called in last year's report to the dilapidated condition of the fence and retaining wall along the southern part of this street. While it is true that the same is not yet opened to the public, for lack of a culvert over the brook, common respect for the dead should prevent the use of such ground for the dumping of garbage and waste.

Immediate steps should be taken to remedy this deplorable situation outside the cemetery. When this is remedied, the trustees can give their attention to the fence and retaining wall, if it should require.

FRANK C. LIVINGSTON,  
*Clerk.*

## TREASURER'S REPORT.

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*To the Trustees of Cemeteries:*

I herewith present to you the annual report of money received for the year ending December 31, 1910.

### Pine Grove Cemetery.

|  | Interest. | Price of lot. | Permanent fund. | Total.  |
|--|-----------|---------------|-----------------|---------|
| John Anderson .....                            |           | \$42.40       |                 | \$42.40 |
| Joseph H. Johnson.....                         | \$0.83    | 29.22         | \$36.52         | 66.57   |
| Joseph S. Cartwright.....                      | 1.14      | 38.40         | 48.00           | 87.54   |
| Sarah A. Manning and Arthur F. Curtis .....    | 1.50      | 52.80         | 66.00           | 120.30  |
| Estate Elnora White.....                       |           | 39.00         | 48.75           | 87.75   |
| Alvin M. Cargell.....                          | .85       | 31.98         | 39.97           | 72.80   |
| Augusta A. Foster.....                         |           | 60.00         | 75.00           | 135.00  |
| Bessie A. Edwards.....                         |           | 28.25         | 35.31           | 63.56   |
| Arthur E. Herlihy.....                         | 4.15      | 52.52         | 65.65           | 122.32  |
| Albert L. Worthen.....                         | 3.47      | 39.00         | 48.75           | 91.23   |
| Nellie E. Heath.....                           |           | 31.75         | 39.69           | 71.44   |
| Ralph A. Wheeler.....                          |           | 45.00         | 56.25           | 101.25  |
| Harvey E. Joy and estate Ira Meserve .....     | 1.40      | 52.83         | 66.04           | 120.27  |
| Donald B. Sanborn.....                         |           | 45.00         | 56.25           | 101.25  |
| Emma Downing .....                             |           | 20.17         | 25.21           | 45.38   |
| Alonzo P. Hall.....                            |           | 22.00         | 27.50           | 49.50   |
| Fred D. Pierce.....                            | 6.12      | 30.00         | 37.50           | 73.62   |
| Mary C. Emery.....                             |           | 22.00         | 27.50           | 49.50   |
| Charles E. Simpson.....                        |           | 34.00         | 42.50           | 76.50   |
| Olive H. Swenson.....                          |           | 39.00         | 48.75           | 87.75   |
| Mary Gibson .....                              |           | 31.04         | 38.80           | 69.84   |
| Josephine Cross .....                          | 1.40      | 29.65         | 37.05           | 68.10   |
| Margaret Oettler .....                         |           | 28.05         | 35.06           | 63.11   |
| Max Leinsing .....                             |           | 28.05         | 35.06           | 63.11   |
| Olive M. Boardman.....                         |           | 19.88         | 24.85           | 44.73   |
| Matthew H. Merritt and Dennis J. Clifford..... | .85       | 34.06         | 42.58           | 77.49   |
| James Brown .....                              |           | 39.00         | 48.75           | 87.75   |
| Charles Gaudes .....                           |           | 39.00         | 48.75           | 87.75   |

|  | Interest. | Price<br>of lot. | Permanent<br>fund. | Total.   |
|--|-----------|------------------|--------------------|----------|
| Lydia J. and Alfred J. Goodwin .....   |           | \$62.00          | \$77.50            | \$139.50 |
| Florence Heath .....   |           | 36.81            | 46.02              | 82.83    |
| Harry G. Clough.....   |           | 125.00           | 375.00             | 500.00   |
| Edwin A. Dunbar.....   | 2.18      | 28.58            | 78.58              | 109.34   |
| Harvey Goodwin .....   |           | 32.00            | 88.00              | 120.00   |
| Albert J. Knight.....  |           | 64.23            | 176.65             | 240.88   |
| Harry F. Blanchard and Mrs.<br>Fanny S. Blanchard.....                           |           | 32.00            | 88.00              | 120.00   |
| Eldora J. Hill.....  |           | 60.00            | 165.00             | 225.00   |
| Moses Wadleigh .....   |           | 36.00            | 99.00              | 135.00   |
| Maud Briggs Knowlton.....  | 12.25     | 21.49            | 59.09              | 92.83    |
| Harry J. Briggs.....   | 4.32      | 21.49            | 59.09              | 84.90    |
| Mary M. Whitten.....   |           | 88.06            | 264.18             | 352.24   |
| Margaret L. Groves.....  | 3.97      | 66.60            | 183.17             | 253.74   |
| Anna R. Pond.....  |           | 27.22            | 74.87              | 102.09   |
| Leander L. Hall.....   | 2.43      | 28.58            | 78.58              | 109.59   |
| Ella M. Wells.....   | 1.50      | 86.10            | 258.30             | 345.90   |
| Addie Hull Tarbell.....  |           | 41.60            | 114.40             | 156.00   |
| Adolph Jacob .....   |           | 54.00            | 148.50             | 202.50   |
| Brainard S. Caswell.....   |           | 51.26            | 140.95             | 192.21   |
| Fay Carlton .....  |           | 38.55            | 106.01             | 144.56   |
| Fannie A. Ford.....  |           | 40.05            | 110.14             | 150.19   |
| Albert C. and Margaret H.<br>Benton, Wm. R., Jas. H.,<br>and Geo. F. Millar..... |           | 69.79            | 191.93             | 261.72   |
| Elizabeth M. Corning.....  | 1.94      | 37.50            | 102.30             | 141.74   |
| Samuel Newton .....  |           | 54.00            | 148.50             | 202.50   |
| Augustus Stoehr and Chas.<br>Eisenzimer .....                                    |           | 54.90            | 150.97             | 205.87   |
| Henry Craigh Richardson.....   |           | 47.55            | 130.77             | 178.32   |
| Charles H. Clark.....  |           | 72.00            | 198.00             | 270.00   |
| Nathaniel L. Colby.....  | 4.95      | 35.80            | 98.45              | 139.20   |
| Harry G. Clough.....   |           | 496.59           | 1,489.79           | 1,986.38 |
| Wm. M. Furber.....   |           | 57.60            | 158.40             | 216.00   |
| Wm. L. Remington.....  |           | 47.14            | 129.62             | 176.76   |
| C. A. Brooks and Ella A.<br>Brooks .....   | 2.50      | 43.56            | 130.67             | 176.73   |
| Annie A. Hayes.....  | 2.50      | 43.56            | 130.67             | 176.73   |
| John A. Hoffman.....   |           | 36.40            | 100.10             | 136.50   |
| William D. Young.....  | 8.19      | 71.03            | 213.10             | 292.32   |
| Mrs. Nora Clough.....  | 3.52      | 112.50           | 337.50             | 453.52   |
| Sarah A. and Wellington<br>Thompson' .....                                       |           | 74.30            | 204.32             | 278.62   |
| Chas. W. Smith.....  |           | 10.00            | 8.00               | 18.00    |
| Frederick D. Wright.....   |           | 10.00            | 8.00               | 18.00    |
| Estate Matthia H. Allen.....   |           | 10.00            | 8.00               | 18.00    |

|  | Interest. | Price<br>of lot. | Permanent<br>fund. | Total.             |
|--|-----------|------------------|--------------------|--------------------|
| Edgar P. Luce.....                               |           | \$10.00          | \$8.00             | \$18.00            |
| Amos G. Waite.....                               |           | 10.00            | 8.00               | 18.00              |
| Wm. E. Beaton.....                               |           | 10.00            | 8.00               | 18.00              |
| George E. Jerome.....                            |           | 10.00            | 8.00               | 18.00              |
| Lillian A. Edgar.....                            |           | 10.00            | 8.00               | 18.00              |
| E. Kathryn Sullivan.....                         |           | 10.00            | 8.00               | 18.00              |
| Ernest Schmidtchen .....                         |           | 20.00            | 16.00              | 36.00              |
| Fred D. Wright.....                              |           | 20.00            | 16.00              | 36.00              |
| Edward P. Parker.....                            |           | 20.00            | 16.00              | 36.00              |
| Henry T. Delano.....                             |           | 10.00            | 8.00               | 18.00              |
| Abram Ried .....                                 |           | 10.00            | 8.00               | 18.00              |
| Donald Leitch .....                              |           | 10.00            | 8.00               | 18.00              |
| Mary F. Jones.....                               |           | 20.00            | 16.00              | 36.00              |
| <hr/>  |           |                  |                    |                    |
| Interest .....                                   | \$71.96   |                  |                    |                    |
| Sale of lots.....                                |           | \$3,599.89       |                    |                    |
| Permanent fund .....                             |           |                  | \$8,068.16         |                    |
| Total receipts, sale of lots....                 |           |                  |                    | \$11,740.01        |
| J. H. Erskine, superintendent, care of lots..... |           |                  |                    | 7,804.87           |
|  |           |                  |                    | <hr/>              |
| Total .....                                      |           |                  |                    | <u>\$19,544.88</u> |

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|  |            |  |                    |
|--|------------|--|--------------------|
| By amount paid to cemetery fund:                       |            |  |                    |
| Perpetual care of lots.....                            | \$6,582.60 |  |                    |
| Single graves, Woodside lawn.....                      | 160.00     |  |                    |
| Partial perpetual care lots, Hillside lawn .....       | 1,325.56   |  |                    |
|  |            |  | <hr/>              |
|  |            |  | \$8,068.16         |
| Treasurer's receipts for amount paid to city.....      |            |  | 3,671.85           |
| Superintendent's receipts for amount paid to city..... |            |  | 7,804.87           |
|  |            |  | <hr/>              |
|  |            |  | <u>\$19,544.88</u> |

Merrill Yard Cemetery.

|   |         |
|---|---------|
| J. H. Erskine, superintendent, for care lots..... | \$57.00 |
| <hr/>   |         |

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|   |         |
|---|---------|
| J. H. Erskine, superintendent, amount paid to city..... | \$57.00 |
| <hr/>   |         |

Valley Cemetery.

|                                      |          |            |
|--------------------------------------|----------|------------|
| John W. Ray, path.....               | \$13.50  |            |
| R. G. Houghton, path.....            | 15.00    |            |
| Eugene C. Smith, superintendent..... | 1,875.25 |            |
|                                      |          | <hr/>      |
|                                      |          | \$1,903.75 |
|                                      |          | <hr/>      |

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|   |          |                   |
|---|----------|-------------------|
| By treasurer's receipts for amount paid to city .....     | \$28.50  |                   |
| By superintendent's receipts for amount paid to city..... | 1,875.25 |                   |
|   |          | <u>\$1,903.75</u> |

Respectfully submitted,  
 FRED L. ALLEN,  
*Treasurer Trustees of Cemeteries.*

I hereby certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of cemeteries, and find the same are correctly cast and vouched for.

JAMES E. DODGE,  
*City Auditor.*

*To the Trustees of the Cemetery Fund:*

GENTLEMEN:—I herewith submit to you the twenty-eight annual report of the funds received and expenses paid to January 1, 1911.

**Pine Grove Cemetery.**

Amount of permanent fund January 1, 1910..... \$124,434.45

RECEIPTS DURING THE YEAR.

|   |          |
|---|----------|
| C. J. Hadley, Exr. of the Justin Spear estate,                                | \$120.00 |
| Mae L. Gray, Exr.....   | 100.00   |
| Mrs. Ida Clanson.....   | 100.00   |
| Mrs. C. C. Clark.....   | 115.20   |
| Mrs. J. G. Warner.....  | 144.00   |
| P. O. Chapman.....  | 144.00   |
| Otis E. Prescott .....  | 100.00   |
| Frank W. Favor.....   | 194.15   |
| Genla A. Craig.....   | 100.00   |
| Alonzo P. Hall.....   | 100.00   |
| Mrs. Cynthia C. Richards.....   | 120.00   |
| F. E. McLaren.....  | 144.00   |
| James Brown .....   | 100.00   |
| Isa E. Emerson.....   | 100.00   |
| To receipts transferred from Pine Grove cemetery, perpetual care of lots..... | 6,582.60 |
| partial perpetual care of lots, Hillside lawn .....                           | 1,325.56 |



|  |          |                     |
|--|----------|---------------------|
| To partial perpetual care of lots, Woodside lawn ..... | \$160.00 |                     |
| Receipts for the year.....                             |          | \$9,749.51          |
| Total of fund.....                                     |          | <u>\$134,183.96</u> |

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|                       |              |                     |
|-----------------------|--------------|---------------------|
| By bonds on hand..... | \$113,050.00 |                     |
| By cash on hand.....  | 21,133.96    |                     |
|                       |              | <u>\$134,183.96</u> |

INCOME ACCOUNT.

|   |            |                   |
|---|------------|-------------------|
| Income on hand January 1, 1910.....       |            | \$4,460.45        |
| Interest savings banks.....               | \$1,174.89 |                   |
| Interest savings bank, Hillside lawn..... | 401.32     |                   |
| Interest savings bank, Woodside lawn..... | 26.27      |                   |
| Interest coupons Manchester bonds.....    | 3,742.50   |                   |
|   |            | <u>5,344.98</u>   |
|   |            | <u>\$9,805.43</u> |

EXPENSES PAID DURING THE YEAR.

|  |          |
|--|----------|
| Adams & Co., premium paid on Manchester bonds bought .....                     | \$175.00 |
| Accrued interest paid on Manchester bonds bought .....                         | 34.44    |
| Harry F. Blanchard .....   | 16.25    |
| W. E. Dunbar & Son.....  | 30.00    |
| Wm. B. Corey .....   | 16.75    |
| Union Coal Co.....   | 48.00    |
| Manchester Hardware Co.....  | 131.00   |
| John B. Varick Co.....   | 50.00    |
| Charles R. Martin .....  | 4.50     |
| J. D. French .....   | 159.81   |
| J. H. Erskine, superintendent, regrading, perpetual care of lots .....         | 45.86    |
| Guy H. Erskine.....  | 33.20    |
| Bridget Clune .....  | 4.00     |
| J. H. Erskine, superintendent, care of perpetual care lots .....               | 2,796.00 |
| J. H. Erskine, superintendent, care of perpetual care lots, Hillside lawn..... | 401.32   |
| J. H. Erskine, superintendent, care of perpetual care lots, Woodside lawn..... | 26.27    |
| W. T. Stevens.....   | 2.50     |

|   |        |             |
|---|--------|-------------|
| Joseph Trahan .....   | \$2.47 |             |
| L. P. Tremblay .....  | 16.25  |             |
| J. O. & L. P. Tremblay.....   | 15.00  |             |
| C. D. Boynton .....   | 8.08   |             |
| Palmer & Garmon .....   | 15.50  |             |
| Special appropriation of \$1,000 voted by the trustees of the cemetery fund for improvements. |        |             |
| J. D. French, drawing crushed stone.....  | 118.19 |             |
| Chas. A. Bailey, 651.45 tons broken stone @ \$1.25 .....                                      | 814.31 |             |
| Manchester Coal & Ice Co., 15 days, team work .....   | 67.50  |             |
|   |        | <hr/>       |
| Total expenses .....  |        | \$5,032.20  |
| Cash income on hand.....  |        | 4,773.23    |
|   |        | <hr/>       |
|   |        | \$9,805.43  |
|   |        | <hr/> <hr/> |

### Valley Cemetery.

Amount of permanent fund January 1, 1910..... \$37,200.97

#### RECEIPTS DURING THE YEAR.

|  |          |             |
|--|----------|-------------|
| Estate of Mrs. J. C. Ricker.....           | \$200.00 |             |
| C. M. Edgerly .....                        | 106.40   |             |
| Hattie Wallace .....                       | 108.00   |             |
| John W. Ray .....                          | 21.60    |             |
| Ellen E. Hargate and Elizabeth W. Miner... | 108.00   |             |
| Mary F. Phelps, Admr.....                  | 108.00   |             |
| O. S. Roby .....                           | 120.00   |             |
| Harry D. Gould .....                       | 120.00   |             |
| S. C. Forsaith .....                       | 108.00   |             |
| Mrs. James Holmes .....                    | 115.20   |             |
| Lydia J. Chase .....                       | 160.00   |             |
| Grace I. Holt .....                        | 120.00   |             |
| Mary P. McCrillis .....                    | 231.20   |             |
| Heirs Lucretia L. Eaton.....               | 100.00   |             |
| Stanley N. Chase, Admr.....                | 100.00   |             |
|  |          | <hr/>       |
| Receipts for the year.....                 |          | 1,826.40    |
|  |          | <hr/>       |
| Total of fund .....                        |          | \$39,027.37 |
|  |          | <hr/> <hr/> |

CR.

|                        |             |                    |
|------------------------|-------------|--------------------|
| By bonds on hand ..... | \$31,500.00 |                    |
| By cash on hand.....   | 7,527.37    |                    |
|                        |             | <u>\$39,027.37</u> |

INCOME ACCOUNT.

|  |          |                   |
|--|----------|-------------------|
| Income on hand January 1, 1910.....    |          | \$4,810.03        |
| Interest savings banks.....            | \$435.87 |                   |
| Interest coupons Manchester bonds..... | 1,350.00 |                   |
|  |          | <u>1,785.87</u>   |
| Income for the year .....              |          | 1,785.87          |
| Total .....                            |          | <u>\$6,595.90</u> |

EXPENSES PAID DURING THE YEAR.

|   |         |                   |
|---|---------|-------------------|
| W. E. Dunbar & Son.....                       | \$30.00 |                   |
| John B. Varick Co.....                        | 60.06   |                   |
| Pine Grove cemetery .....                     | 33.00   |                   |
| E. C. Smith, superintendent.....              | 30.00   |                   |
| E. C. Smith, superintendent, care of lots.... | 929.50  |                   |
|   |         | <u>\$1,082.56</u> |
| Total expense .....                           |         | 1,082.56          |
| Cash income on hand .....                     |         | 5,513.34          |
|   |         | <u>\$6,595.90</u> |

HANNAH A. CURRIER FUND.

For the care of a gateway at Valley cemetery.

|                      |  |                 |
|----------------------|--|-----------------|
| Amount of fund ..... |  | <u>\$500.00</u> |
|----------------------|--|-----------------|

CR.

|                      |  |                 |
|----------------------|--|-----------------|
| By cash on hand..... |  | <u>\$500.00</u> |
|----------------------|--|-----------------|

Merrill Yard Cemetery.

|   |  |                   |
|---|--|-------------------|
| Amount of permanent fund January 1, 1910..... |  | <u>\$1,287.89</u> |
|---|--|-------------------|

CR.

|                       |          |                   |
|-----------------------|----------|-------------------|
| By bonds on hand..... | \$450.00 |                   |
| By cash on hand.....  | 837.89   |                   |
|                       |          | <u>\$1,287.89</u> |

INCOME ACCOUNT.

|                                     |         |          |
|-------------------------------------|---------|----------|
| Income on hand January 1, 1910..... |         | \$355.70 |
| Interest savings bank .....         | \$47.80 |          |

|  |         |                 |
|--|---------|-----------------|
| Interest coupons Manchester bonds..... | \$22.50 |                 |
| Income for the year .....              |         | \$70.30         |
|  |         | <u>\$426.00</u> |

## EXPENSES PAID DURING THE YEAR.

|   |         |                 |
|---|---------|-----------------|
| J. H. Erskine, superintendent, care of lots.. | \$37.00 |                 |
| Cash income on hand.....                      | 389.00  |                 |
|   |         | <u>\$426.00</u> |

## GALE FUND INCOME ACCOUNT.

|                                     |          |                 |
|-------------------------------------|----------|-----------------|
| Income on hand January 1, 1910..... | \$210.99 |                 |
| Interest savings bank.....          | 8.38     |                 |
| Interest from fund.....             | 12.08    |                 |
|                                     |          | <u>\$231.45</u> |

## EXPENSES PAID DURING THE YEAR.

|   |        |                 |
|---|--------|-----------------|
| E. C. Smith, superintendent, care of Gale<br>tomb ..... | \$8.00 |                 |
| Painting fence .....                                    | 21.50  |                 |
| Cash on hand .....                                      | 201.95 |                 |
|   |        | <u>\$231.45</u> |

## SPECIAL FUND.

For the care of Oliver Gould lot in Pine Grove cemetery.

|                                     |          |
|-------------------------------------|----------|
| Amount of fund January 1, 1910..... | \$500.00 |
|-------------------------------------|----------|

## CR.

|   |          |
|---|----------|
| By cash on hand December 31, 1910 ..... | \$500.00 |
|---|----------|

## INCOME ACCOUNT.

|                             |         |
|-----------------------------|---------|
| Interest savings bank ..... | \$15.62 |
|-----------------------------|---------|

## EXPENSES PAID DURING THE YEAR.

|  |         |                |
|--|---------|----------------|
| J. H. Erskine, superintendent, care of lot.... | \$12.00 |                |
| Cash income on hand .....                      | 3.62    |                |
|  |         | <u>\$15.62</u> |

Respectfully submitted,

FRED L. ALLEN,  
*Treasurer Trustees Cemetery Fund.*

This is to certify that I have examined the books of account of Fred L. Allen, treasurer of the cemetery funds, embracing the receipts and expenditures for the year 1910, and I find the same correct and properly vouched. I have also examined the securities in which said fund is invested and find as follows:

PINE GROVE CEMETERY.

|   |              |              |
|---|--------------|--------------|
| 20 city of Manchester 5 percent cemetery bonds, Nos. 1, 2, 3, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 22, 23, 24, 26, 28, due 1942, denomination \$1,000 each ..... | \$20,000.00  |              |
| 2 city of Manchester 5 percent cemetery bonds, Nos. 1, 2, denomination \$500 each   | 1,000.00     |              |
| 1 city of Manchester 5 percent cemetery bond, No. 3, due 1942.....  | 50.00        |              |
| 14 city of Manchester 5 percent cemetery bonds, Nos. 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, due 1913, denomination \$1,000 each .....                         | 14,000.00    |              |
| 1 city of Manchester 5 percent cemetery bond, No. 2, due 1913.....  | 500.00       |              |
| 5 city of Manchester 5 percent cemetery bonds, Nos. 1, 2, 3, 9, 10, due 1913, denomination \$100 each .....   | 500.00       |              |
| 16 city of Manchester 3½ percent city bonds, Nos. 21, 22, 23, 71, 72, 73, 74, 75, 91, 92, 94, 95, 96, 97, 98, 99, due April 1, 1919, denomination \$1000 each .....     | 16,000.00    |              |
| 1 city of Manchester 4 percent school bond, due July 1, 1913.....   | 1,000.00     |              |
| 2 city of Manchester 4 percent improvement bonds, Nos. 1, 2, due April 1, 1916.....   | 2,000.00     |              |
| 14 city of Manchester 4 percent water bonds, Nos. 21, 22, 23, 24, 25, 26, 27, 28, 50, 51, 56, 57, 58, 59, due January 1, 1917.....                                      | 14,000.00    |              |
| 4 city of Manchester 3½ percent municipal bonds, Nos. 41, 42, 43, 44, due July 1, 1922..  | 4,000.00     |              |
| 19 city of Manchester 4 percent water bonds, Nos. 24 to 40 inclusive, 4, 7, due July 1, 1915 .....  | 19,000.00    |              |
| 21 city of Manchester cemetery bonds 3½ percent, Nos. 1 to 21 inclusive, due October 1, 1930 .....  | 21,000.00    |              |
|   | <hr/>        | \$113,050.00 |
| Cash in deposit in Manchester Savings Bank, Book No. 50420.....   | - \$7,151.51 |              |

|   |            |                          |
|---|------------|--------------------------|
| Cash on deposit in Mechanics Savings Bank,<br>Book No. 3413.....      | \$6,680.98 |                          |
| Cash on deposit in Mechanics Savings Bank,<br>Book No. 4407.....      | 11,290.70  |                          |
| Cash on deposit in Mechanics Savings Bank,<br>Book No. 4522.....      | 784.00     |                          |
|   | <hr/>      | \$25,907.19              |
| Total amount of permanent fund and income De-<br>cember 31, 1910..... |            | <hr/> <hr/> \$138,957.19 |

VALLEY CEMETERY.

|  |            |             |
|--|------------|-------------|
| 4 city of Manchester 5 percent cemetery<br>bonds, Nos. 1, 6, 11, 18, due 1913, denomina-<br>tion \$1,000 each .....              | \$4,000.00 |             |
| 1 city of Manchester 5 percent cemetery<br>bond, No. 1, due 1913, denomination \$500..   | 500.00     |             |
| 3 city of Manchester 5 percent cemetery<br>bonds, Nos. 6, 7, 8, due 1913, denomination<br>\$100 each .....                       | 300.00     |             |
| 8 city of Manchester 5 percent cemetery<br>bonds, Nos. 4, 7, 12, 19, 20, 21, 25, 27, due<br>1942, denomination \$1,000 each..... | 8,000.00   |             |
| 2 city of Manchester 5 percent cemetery<br>bonds, Nos. 2 and 4, due 1942, denomina-<br>tion \$50 each .....                      | 100.00     |             |
| 3 city of Manchester 4 percent improvement<br>bonds, Nos. 3, 4, 5, due April 1, 1916.....  | 3,000.00   |             |
| 3 city of Manchester 3½ percent city bonds,<br>Nos. 81, 92, 100, due April 1, 1919, denomi-<br>nation \$1,000 each .....         | 3,000.00   |             |
| 6 city of Manchester 3½ percent municipal<br>bonds, Nos. 35, 36, 37, 38, 39, 40, due 1922..                                      | 6,000.00   |             |
| 6 city of Manchester 3½ percent cemetery<br>bonds, Nos. 3, 4, 5, 6, 7, 8, due 1942, denomi-<br>nation \$100 each .....           | 600.00     |             |
| 6 city of Manchester 4 percent water bonds,<br>Nos. 8, 9, 10, 11, 12, 13, due July 1, 1915....                                   | 6,000.00   |             |
|  | <hr/>      | \$31,500.00 |
| Cash on deposit in Guaranty Savings Bank,<br>Book No. 4527.....  | \$259.35   |             |
| Cash on deposit in Mechanics Savings Bank,<br>Book No. 5569.....   | 10,704.52  |             |
| Cash on deposit in Amoskeag Savings Bank,<br>Book No. 68808.....   | 2,076.84   |             |
|  | <hr/>      | \$13,040.71 |



REPORTS OF THE TRUSTEES OF CEMETERIES. 609

|   |             |
|---|-------------|
| Total amount of permanent fund and income December 31, 1910 ..... | \$44,540.71 |
|---|-------------|

MERRILL YARD<sup>3</sup> CEMETERY.

|  |            |            |
|--|------------|------------|
| 2 city of Manchester 5 percent cemetery bonds, Nos. 4 and 5, due 1913, denomination \$100 each ..... | \$200.00   |            |
| 2 city of Manchester 5 percent cemetery bonds, Nos. 1 and 2, due 1942, denomination \$100 each ..... | 200.00     |            |
| 1 city of Manchester 5 percent cemetery bond, No. 1, due 1942, denomination \$50..                   | 50.00      |            |
| Cash on deposit in Guaranty Savings Bank, Book No. 5116.....   | 8.00       |            |
| Cash on deposit in Amoskeag Savings Bank, Book No. 69517.....  | 1,218.89   |            |
|  | \$1,676.89 |            |
|  |            |            |
| Total amount of permanent fund and income December 31, 1910.....                                     |            | \$1,676.89 |

GALE FUND INCOME ACCOUNT.

|   |              |              |
|---|--------------|--------------|
| Cash on hand in Amoskeag Savings Bank, Book No. 34108                     | \$201.95     |              |
| Special fund for the care of the Oliver Gould lot in Pine Grove cemetery: |              |              |
| Cash on hand in Manchester Savings Bank, Book No. 94650 .....             | \$503.62     |              |
| Hannah A. Currier Fund, Valley cemetery:                                  |              |              |
| Cash on hand in Merrimack River Savings Bank, Book No. 42740 .....        | \$500.00     |              |
|   | \$186,380.36 |              |
| Total amount of fund and income December 31, 1910,                        |              | \$186,380.36 |

JAMES E. DODGE,  
*City Auditor.*



REPORT  
OF THE  
TRUSTEES OF THE SINKING FUND.



# REPORT OF THE TRUSTEES OF THE SINKING FUND.

*To the Board of Mayor and Aldermen of the City of Manchester:*

GENTLEMEN:—As required by chapter 37, section 4, of the city ordinances of Manchester, the trustees of the sinking fund of the city of Manchester herewith report the condition of the several funds January 1, 1911, with receipts and payments for the year ending December 31, 1910.

WILLIAM McELROY,  
CHAS. H. MANNING,  
FRED L. ALLEN,  
*Trustees of Sinking Fund.*

### IMPROVEMENT LOAN.

|   |            |              |
|---|------------|--------------|
| Total amount of fund January 1, 1910, for the payment of improvement bonds..... |            | \$347,841.70 |
| Appropriation for 1910.....   | \$5,000.00 |              |
| Interest on Manchester bonds.....   | 9,868.00   |              |
| Interest on Fall River bonds.....   | 875.00     |              |
| Interest on Nashua bonds.....   | 400.00     |              |
| Interest on Boston bonds.....   | 2,475.00   |              |
| Interest on bank deposits.....  | 301.81     |              |
|   |            | 18,919.81    |
|   |            | \$366,761.51 |

### CR.

|   |              |            |
|---|--------------|------------|
| N. W. Harris & Co.:                     |              |            |
| Premium paid for Manchester bonds.....  | \$483.75     |            |
| Accrued interest, Manchester bonds..... | 574.66       |            |
| R. L. Day & Co.:                        |              |            |
| Premium paid for Manchester bonds.....  | 9.60         |            |
| Accrued interest, Manchester bonds..... | 5.11         |            |
| Shontell & Varick:                      |              |            |
| Accrued interest, Manchester bonds..... | 45.67        |            |
| South Weymouth Savings Bank:            |              |            |
| Accrued interest, Manchester bonds..... | 127.55       |            |
|   |              | \$1,246.34 |
| Bonds on hand December 31, 1910.....    | \$352,200.00 |            |

|                                     |             |                     |
|-------------------------------------|-------------|---------------------|
| Cash on hand December 31, 1910..... | \$13,315.17 |                     |
|                                     |             | <u>\$365,515.17</u> |
|                                     |             | <u>\$366,761.51</u> |

## WATER LOAN.

|  |            |                     |
|--|------------|---------------------|
| Total amount of fund January 1, 1910, for the payment of water bonds ..... |            | \$235,309.91        |
| Appropriation for 1910.....  | \$5,000.00 |                     |
| Appropriation for hydrant service, 1910....                                | 22,025.00  |                     |
| Interest on Manchester bonds.....  | 6,465.00   |                     |
| Interest on Boston bonds.....  | 200.00     |                     |
| Interest on Waterbury bonds.....   | 1,200.00   |                     |
| Interest on bank deposits.....   | 495.63     |                     |
|  |            | <u>35,385.63</u>    |
|  |            | <u>\$270,695.54</u> |

## CR.

|   |              |                     |
|---|--------------|---------------------|
| Shontell & Varick:                                    |              |                     |
| Accrued interest paid for Manchester bonds .....      | \$88.34      |                     |
| City of Manchester:                                   |              |                     |
| For payment of water bonds maturing July 1, 1910..... | 100,000.00   |                     |
|   |              | <u>\$100,088.34</u> |
| Bonds on hand December 31, 1910.....                  | \$144,000.00 |                     |
| Cash on hand December 31, 1910.....                   | 26,607.20    |                     |
|   |              | <u>170,607.20</u>   |
|   |              | <u>\$270,695.54</u> |

## SCHOOL LOAN.

|  |            |                    |
|--|------------|--------------------|
| Total amount of fund January 1, 1910, for the payment of school bonds..... |            | \$31,417.91        |
| Appropriation for 1910.....  | \$2,000.00 |                    |
| Interest on Manchester bonds.....  | 1,050.00   |                    |
| Interest on bank deposit.....  | 137.65     |                    |
|  |            | <u>3,187.65</u>    |
|  |            | <u>\$34,605.56</u> |

## CR.

|  |             |                 |
|--|-------------|-----------------|
| Adams & Co.:                             |             |                 |
| Premium paid for Manchester bonds.....   | \$56.25     |                 |
| Accrued interest for Manchester bonds... | 48.00       |                 |
| Bridget Buckley:                         |             |                 |
| Accrued interest for Manchester bonds... | 26.66       |                 |
|  |             | <u>\$130.91</u> |
| Bonds on hand December 31, 1910.....     | \$31,000.00 |                 |



REPORT OF THE TRUSTEES OF THE SINKING FUND. 615

|                                     |            |                    |
|-------------------------------------|------------|--------------------|
| Cash on hand December 31, 1910..... | \$3,474.65 |                    |
|                                     |            | <u>\$34,474.65</u> |
|                                     |            | <u>\$34,605.56</u> |

CITY FUNDING LOAN.

|   |            |                    |
|---|------------|--------------------|
| Total amount of fund on hand January 1, 1910, for the payment of city bonds maturing April 1, 1919..... |            | \$56,536.92        |
| Appropriation for 1910.....   | \$5,000.00 |                    |
| Interest on Manchester bonds.....   | 1,874.00   |                    |
| Interest on Boston bonds.....   | 200.00     |                    |
| Interest on bank deposit.....   | 116.00     |                    |
|   |            | <u>7,190.00</u>    |
|   |            | <u>\$63,726.92</u> |

Cr.

|  |             |                    |
|--|-------------|--------------------|
| Blodgett & Co.:                                  |             |                    |
| Premium paid for Manchester bonds....            | \$75.00     |                    |
| Accrued interest for Manchester bonds..          | 203.33      |                    |
| N. W. Harris & Co.:                              |             |                    |
| Premium paid for Manchester bonds....            | 30.00       |                    |
| Accrued interest for Manchester bonds..          | 80.00       |                    |
| Adams & Co.:                                     |             |                    |
| Premium paid for Manchester bonds.....           | 6.25        |                    |
| Accrued interest paid for Manchester bonds ..... | 5.33        |                    |
|  |             | <u>\$399.91</u>    |
| Bonds on hand December 31, 1910.....             | \$63,100.00 |                    |
| Cash on hand December 31, 1910.....              | 227.01      |                    |
|  |             | <u>63,327.01</u>   |
|  |             | <u>\$63,726.92</u> |

MUNICIPAL LOAN.

|   |            |                    |
|---|------------|--------------------|
| Total amount of fund January 1, 1910, for the payment of bonds maturing July 1, 1922..... |            | \$30,193.69        |
| Appropriation for 1910.....   | \$4,000.00 |                    |
| Interest on Manchester bonds.....   | 1,265.00   |                    |
| Interest on bank deposit.....   | 72.07      |                    |
|   |            | <u>5,337.07</u>    |
|   |            | <u>\$35,530.76</u> |

Cr.

|  |         |  |
|--|---------|--|
| Adams & Co.:                             |         |  |
| Premium paid for Manchester bonds.....   | \$65.00 |  |
| Accrued interest for Manchester bonds... | 2.67    |  |
| Blodgett & Co.:                          |         |  |
| Premium paid for Manchester bonds.....   | 50.00   |  |

|  |             |                    |
|--|-------------|--------------------|
| Accrued interest for Manchester bonds... | \$135.56    |                    |
|  |             | <u>\$253.23</u>    |
| Bonds on hand December 31, 1910.....     | \$25,000.00 |                    |
| Cash on hand December 31, 1910.....      | 10,277.53   |                    |
|  |             | <u>35,277.53</u>   |
|  |             | <u>\$35,530.76</u> |

## CITY REFUNDING LOAN.

|  |            |                    |
|--|------------|--------------------|
| Total amount of fund January 1, 1910, for the payment of bonds maturing April 1, 1925..... |            | \$10,538.12        |
| Appropriation for 1910.....  | \$2,500.00 |                    |
| Interest on bank deposit.....  | 396.52     |                    |
|  |            | <u>2,896.52</u>    |
|  |            | <u>\$13,434.64</u> |

CR.

|                                     |  |                    |
|-------------------------------------|--|--------------------|
| Cash on hand December 31, 1910..... |  | <u>\$13,434.64</u> |
|-------------------------------------|--|--------------------|

## REFUNDING CITY LOAN.

|  |            |                   |
|--|------------|-------------------|
| Total amount of fund January 1, 1910, for the payment of bonds maturing April 1, 1927..... |            | \$5,046.87        |
| Appropriation for 1910.....  | \$2,500.00 |                   |
| Interest on bank deposits.....   | 142.35     |                   |
|  |            | <u>2,642.35</u>   |
|  |            | <u>\$7,689.22</u> |

CR.

|                                     |  |                   |
|-------------------------------------|--|-------------------|
| Cash on hand December 31, 1910..... |  | <u>\$7,689.22</u> |
|-------------------------------------|--|-------------------|

## IMPROVEMENT LOAN SERIES E.

|  |  |                   |
|--|--|-------------------|
| For the payment of improvement bonds maturing April 1, 1930. |  |                   |
| To appropriation for 1910.....                               |  | <u>\$5,000.00</u> |

CR.

|                                     |  |                   |
|-------------------------------------|--|-------------------|
| Cash on hand December 31, 1910..... |  | <u>\$5,000.00</u> |
|-------------------------------------|--|-------------------|

Respectfully submitted,  
 FRED L. ALLEN,  
*Treasurer of Sinking Fund.*

This is to certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of the sinking fund, embracing the receipts and expenditures for the year ending December 31, 1910, and find the same correct and properly vouched. I have also examined the securities in which the fund is invested and find as follows:











CITY REFUNDING LOAN.

For the payment of bonds maturing April 1, 1925.

Cash on hand..... \$13,434.64

REFUNDING CITY LOAN.

For the payment of bonds maturing April 1, 1927.

Cash on hand..... \$7,689.22

IMPROVEMENT LOAN (Series E).

For bonds issued April 1, 1910, payable April 1, 1930.

Cash on hand..... \$5,000.00  
 Total amount of sinking fund..... \$695,325.42

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JAMES E. DODGE,  
*City Auditor.*



# INDEX



# INDEX.

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