

1917

City of Bangor Mayor's Address The Annual Reports of the Several Departments and the Receipts and Expenditures for the Municipal Year 1916-1917

Bangor (Me.)

Follow this and additional works at: <https://digitalcommons.library.umaine.edu/towndocs>

Repository Citation

Bangor (Me.), "City of Bangor Mayor's Address The Annual Reports of the Several Departments and the Receipts and Expenditures for the Municipal Year 1916-1917" (1917). *Maine Town Documents*. 6070.
<https://digitalcommons.library.umaine.edu/towndocs/6070>

This Report is brought to you for free and open access by DigitalCommons@UMaine. It has been accepted for inclusion in Maine Town Documents by an authorized administrator of DigitalCommons@UMaine. For more information, please contact um.library.technical.services@maine.edu.

CITY OF BANGOR



MAYOR'S ADDRESS

THE ANNUAL REPORTS

OF THE SEVERAL DEPARTMENTS

AND THE

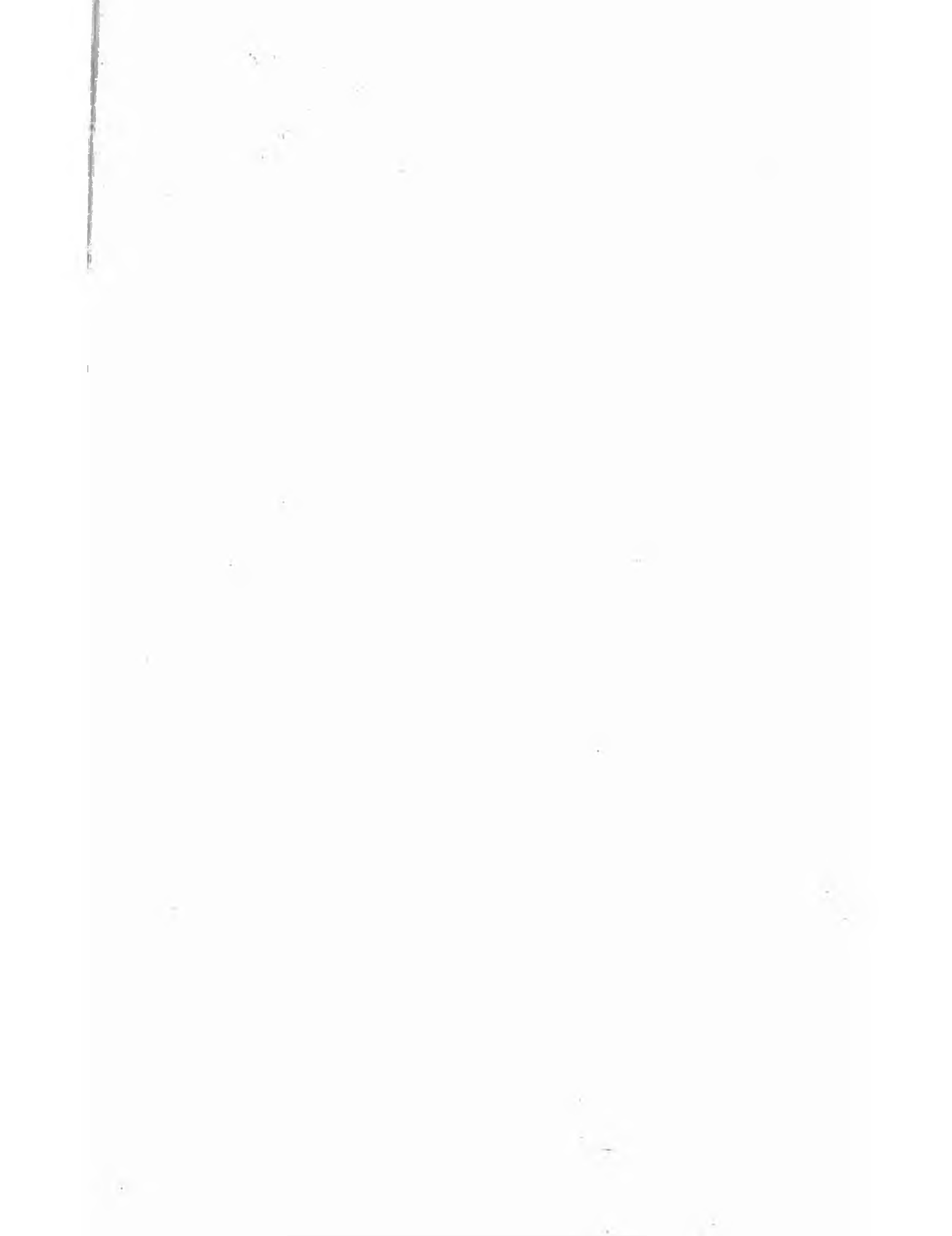
RECEIPTS AND EXPENDITURES

FOR THE MUNICIPAL YEAR

1916 - 1917



89536



Bangor City Government

1916-17

Mayor, JOHN F. WOODMAN

ALDERMEN

Ward 1. Edward R. Hickson Ward 4. George F. Cameron
Ward 2. Fred A. Porter Ward 5. William D. Matheson
Ward 3. Benjamin F. Tefft Ward 6. Frank O. Youngs
Ward 7. William J. Largay

COMMON COUNCILMEN

President, Hayward C. Dunham

Ward 1

Charles A. Quimby William P. Flanigan Walter T. Burns

Ward 2

Frank Ryan Nath'l F. Lambert Henry J. Russell

Ward 3

Clarence L. Garland Charles F. Eames Elmer E. McFarland

Ward 4

Benjamin W. Mayo Harry R. Williams Edgar J. Nickerson

Ward 5

Charles F. Winchester Hayward C. Dunham Charles C. Sanford

Ward 6

Charles E. Black Henry B. Thoms Asa T. Grant

Ward 7

James A. Gallagher Edward J. Conley Chester P. Stewart

Clerk of Board, Thomas G. Donovan

Mayor's Address

Gentlemen of the City Government:

You have taken a solemn obligation as Directors of the city of Bangor, to look after her interests to the best of your ability. Your responsibility as a member of the city government does not end with this ceremony, but remains with you every day during your term of office. Absence from the meetings of the city council or of committees does not relieve you of any part of that responsibility. The people rely upon you and your duty is plain, to use your best efforts in their behalf, and to aid you in the performance of such duties you must select the best men available for subordinate officers and you will then get good results.

In the first place I feel it my duty to give you a financial statement as of the first day of March or the first of the fiscal year.

On March 1st. there was cash on hand as follows:

Merchants Nat'l Bank, Boston.....	\$ 5,662 28	
Merchants Nat'l Bank, Bangor.....	11,040 70	
First Nat'l Bank, Bangor	10,991 59	
Eastern Trust & Banking Co., Bangor.....	15,168 76	
Merrill Trust Co., Bangor.....	10,381 29	
Deposit made up.....	698 03	
Deposit made up.....	340 00	
Deposit made up.....	1,300 00	
Petty cash.....	1,000 00	
		<hr/>
		\$56,582 65
Less Trust Fund cash.....		3,441 05
		<hr/>
Operating cash on hand.....		\$53,141 60

At the close of the financial year the committee on Finance decided to pay from this cash on hand to the reduction of the debt to the water sinking fund, the sum of.....	\$10,000 00
and to apply the surplus of earnings of the water department to the sinking fund amounting to	5,020 00
These amounts together with the outstanding warrants for payments of bills due amounting to	13,845 26
	<hr/>
Deducted from the amount of cash on hand.....	28,865 26
	<hr/>
Leaves a balance of.....	\$24,276 34

with which to meet current expenses at the beginning of the new municipal year. There could have been paid from this balance \$10,000.00 more to the sinking fund in reduction of the \$30,000 borrowed from the sinking fund by the city in the years of 1913 and 1914, but it would have left only a small balance of cash. But even with such small balance the city would have been in the condition which often happens, which requires a temporary loan to be made at the very beginning of the year in order to meet current expenses. During the past year \$10,000.00 of water bonds, and \$10,000.00 of municipal bonds became due and were paid from appropriations made for the purpose, and in addition to that the sum of \$12,000.00 was appropriated and paid to the sinking fund. These payments together with the \$15,020.00 before mentioned as paid to the sinking fund, increase the borrowing capacity of the city to the amount of \$47,020.00, by having reduced municipal indebtedness to that extent.

I mention these facts in detail, so that the taxpayers of the city may understand just how well the city council of the year just closed has conducted the city's business.

For the coming year it is well known that the State and county taxes are likely to be increased very heavily, so you

will see that it will be necessary to make our appropriations as low as possible. Provision must be made however for all necessary expenses in all the departments. Our school children must be taken care of in some way. The maintenance of our schools requires one of the largest appropriations for any department to be made, but it is also one of the most important and the city derives in return for its investment of public funds one of its chief sources of prosperity.

Your attention is called to the Newbury Street school property, so called. It is hardly necessary to do so for the benefit of the members of the last city council who are returned, but I have a letter from the school department saying that the building or its location is not fit for school purposes, and I would advise that if such is the case, to dispose of it and get a place that *is* fit.

The proper care and maintenance and construction of our streets is one of the hardest problems which the city council has to solve. I feel that as much permanent work should be done in the way of construction as we can afford annually, and that the remaining streets should be regularly patrolled, light repairs made wherever necessary before the streets are so worn and rutted that extensive repairs are required, and work on such lines commenced as early as possible and kept up through the whole season. No department is more open to public inspection and criticism than the highway, because all the people see the streets every day in the year. I venture to say that few people understand that the work required of the highway department is the equivalent of keeping in good repair and safe for travel, a highway which would extend in a straight away road for some miles beyond Portland. How much do you think it would cost to keep such a highway in condition to satisfy the desires of automobile excursionists. And that is what the city is expected to do and every city council and

street commissioner and committee is criticized if it does not do it. In addition to all this you must add the requirements for sidewalk and crosswalk construction, maintenance and repairs.

For street sprinkling I think oil should be used on all streets that are in shape for its use. It should be applied as early in the season as possible so that the benefit of it can be experienced during the summer, and at no time is it more necessary than in the Fall before the time arrives when water cannot be used. When it has been applied no travel should be permitted over it until it has dried out sufficiently, so that it will not be tracked away.

For special work during the ensuing season, the contract for completing the improvements on Main street will be completed, and the contract also for the repairs and paving of Kenduskeag bridge. The funds for this purpose are in the treasury available for use as soon as the season will permit the work to begin. There is another special piece of work which should be finished as soon as possible. The end of Central street which was not included in the widening, is now in a very dangerous condition for public travel. The roadway is uneven and unsafe, and if the city council can include in the appropriations a fund for the purpose of completing such widening without a great increase in the tax rate, it should be done. I recommend it to your careful attention and consideration.

Many complaints have reached me about the lack of accommodation at certain hours of the day when the travel is heaviest for the patrons of the street railway. I would suggest that the city council take the matter under consideration and confer with the Railway Company, and see if better accommodations cannot be secured.

Provision must be made for the parking of automobiles. Stands should be assigned for automobiles and other vehicles

used as public carriages, so as to keep them off from the streets when not in use. Side streets where there is little travel should be utilized for such purposes and with little inconvenience to the owners or the patrons. Some of the streets under the present practice are rendered dangerous for some legitimate uses, besides delaying public travel. Patrons of street cars are the ones who suffer annoyance if the runs cannot be made according to schedule, which is often rendered impossible by blocked streets.

Proper provision should be made for the mounting of the shield of the historic battleship "Maine," and with appropriate ceremonies. For many reasons we should be proud to be in possession of such a valuable relic, and its disposition has been already too long delayed. The movement in its behalf started by the United Commercial Travelers was very commendable and the public should now carry it on to an early finish.

We should see to it that an inventory and valuation of all city property requiring protection against loss by fire is made at an early day, and sufficient insurance placed thereon in accordance with such valuation.

In order to properly care for and protect the funds now held as a sinking fund, and the additions thereto, so that the fund shall be fixed and unavailable for other purposes than that for which intended, I would suggest that the water board by such legal steps as may be necessary, be created trustees of the fund, and moneys on hand be turned over to the board to be held in trust for the purposes for which such trust may be created.

To aid the collector of taxes in making his collections and ensure the payment by all persons without unreasonable delay, I would recommend that provision be made by such measures as may be necessary, to require the collector to turn over to the city solicitor for collection all taxes which remain unpaid after

the expiration of the time fixed for final payment. The aggregate of uncollected taxes in former years has been much larger than in any other city that I know of, and such condition should not be allowed to continue.

Many complaints are made by the property owners about their taxes, as to amount and valuation. If all the citizens would comply with the law, and hand in to the assessors on the first day of April as the law requires, a statement of the property which they own that is liable to taxation and an estimate of its value, there would be much less trouble in the end for them and for the officials, and many less complaints.

The city council has made provision by ordinance, for the issue of supplies to all departments. No supplies can be issued or goods ordered without a requisition from the head of the department, and the city council and members of committees in the several departments should see to it that such requirements are not violated.

In conclusion I wish to impress upon you again the obligation you have taken to serve your city to the best of your ability, and if you will only do that, I am sure the city of Bangor will have a good and prosperous year.

JOHN F. WOODMAN, Mayor.



Report of the City Auditor



City Auditor's Report

May 1, 1917.

*To the Honorable, the Mayor and City Council
of the City of Bangor,
Bangor, Maine.*

Sirs:

I beg leave to submit the Annual Report of the receipts and expenditures of the City of Bangor for the fiscal year ended February 28, 1917, and the financial condition of the City as at that date.

Your attention is called to Exhibit "A" showing an Excess of General Revenue Assets over Liabilities of \$48,266.41.

Last year's balance was.....	\$32,554	27
Transfer from Exhibit "D"—surplus.....	15,438	16
Add account of Water Loan Sinking Fund, voucher passed for payment	10,000	00
Various amounts collected during year and for sup- plemental taxes for 1914-15 and 1915-16.....	765	04
	\$58,757	47
 Less: Set aside from surplus for Bridge Contract....	 \$2,631	 27
Main St. Contract.....	7,859	79
	10,491	06
 Balance.....	 \$48,266	 41
	\$48,266	41

During the year there was:

Appropriated and set aside from cash for coupons due and outstanding.....	\$ 340 00	
Appropriated on account of Water Loan Sinking Fund, borrowed by City.....	10,000 00	
Reserved from Appropriations for Bridge and Main Street contracts.....	10,491 06	
Surplus.....	4,947 10	
		<hr/>
Total amount.....		<u>\$25,778 16</u>

There was paid from appropriations during the year, \$10,000.00 for municipal serial bond; \$10,000.00 for water serial bonds (the latter issued in part payment for filter plant); \$12,000.00 for Annual Water Loan Sinking Fund.

On February 29, 1916, we had operating cash on hand.....	\$30,861 75	
Treasury warrants unpaid.....	25,271 61	
		<hr/>
If all Treasury Warrants had been paid, we would have left an operating cash balance of.....		<u>\$5,590 14</u>

As against this we find:

On February 28, 1917, operating cash on hand.....	\$53,141 60	
Treasury warrants unpaid.....	28,865 26	
		<hr/>
If all Treasury Warrants had been paid, we would have left an operating cash balance of.....		<u>\$24,276 34</u>

This year shows a gain of \$18,686.20 between the two years in operating cash on hand and bank balances.

I wish to call your attention to the showing of poll taxes for the last three years.

Poll Tax Commitments for Years		Uncollected at the close of this Year
1916-17	\$21,957 00	\$ 9,534 25
1915-16	22,107 00	10,813 00
1914-15	20,787 00	7,644 24
Three years' commitments	<u>\$64,851 00</u>	Uncollected <u>\$27,991 49</u>

Of the three years shown above practically 57% have paid their poll taxes and 43% have not paid. You will notice under Exhibit "A" that the Tax Accounts, Highway and Sewer Accounts show large sums outstanding at the close of the year. The outstanding accounts should not be allowed to stand as they are.

The cash in Treasurer's hand and bank balances,

February 29, 1916 was.....	\$ 34,047 07
Receipts for the year.....	1,119,703 69
Total cash to be accounted for.....	\$1,153,750 76
Paid treasury warrants.....	\$1,096,865 80
Paid petty cash.....	302 31
	<u>1,097,168 11</u>
Balance.....	\$56,582 65

Cash was verified as follows:

Merchants National Bank, Boston	\$5,662 28
Merchants National Bank, Bangor	11,040 70
First National Bank, Bangor.....	10,991 59
Eastern Trust & Banking Co., Bangor.....	15,168 76

Merrill Trust Co., Bangor.....	10,381 29
Deposits made up (to be deposited).....	2,338 03
Petty cash.....	1,000 00
	<hr/>
Total.....	<u>\$56,582 65</u>

The Water Loan Sinking Fund Balance on February 28, 1917 was \$97,429.38. Of this balance \$20,000.00 is due from the City of Bangor. Your Mayor and City Council should be highly commended for reducing by \$10,000.00 the amount due from the City to the Water Loan Sinking Fund, and should continue the good work until that item is extinguished.

Respectfully submitted,

L. C. EVERETT,
City Auditor.

REVENUE EXPENDITURES

For the Fiscal Year Ending February 28, 1917

GENERAL GOVERNMENT

Aldermen and Council:

Salaries.....	\$125 00
---------------	----------

General Expenses:

Printing:

Burr, The T. W., Ptg. & Adv. Co., circular letters.....	\$ 4 70
---	---------

Supplies:

Dillingham, E. F., record book.....	1 25
-------------------------------------	------

Robinson Investigation:

Murray, E. P., Atty. for R. B. Robinson, expenses of Court.....	10 15
---	-------

Investigating Committee:

Firth, Elizabeth I., stenographic services, etc.....	278 78
--	--------

All Other:

Bangor Publishing Co., advertising.....	\$2 25	
Bass, J. P., Publishing Co., advertising....	1 69	
	3 94	

Total general expenses.....	\$298 82
-----------------------------	----------

Mayor:

Salary		\$1,500 00
General Expenses:		
Supplies:		
Bacon, John H., envelopes.....	\$ 9 50	
Bangor Co-Operative Ptg. Co., envelopes and letterheads.....	15 25	
Cannon & Co., directory.....	3 00	
Supply Department, office supplies.....	46	
	<u> </u>	\$28 21
Printing:		
Burr, The T. W., Ptg. & Adv. Co., notices to clear sidewalks.....		3 20
All Other:		
Bragg, N. H., & Sons, iron for skating rink.....	\$3 76	
New England Tel. & Tel. Co.....	1 95	
	<u> </u>	5 71
		<u> </u>
Total general expenses.....		\$37 12

Auditor and Auditing:

Salaries and Wages:		
Auditor.....	\$1,500 00	
Assistant.....	816 25	
	<u> </u>	
Total salaries and wages.....		\$2,316 25

General Expenses:**Office Supplies:**

Burr, The T. W., Ptg. & Adv. Co., envelopes and cards.....	\$ 5 46	
Cannon & Co., directory.....	3 00	
Sullivan, Dan T., sectional binder, cards, etc.	17 00	
Supply Dept., general supplies.....	19 22	
	<u> </u>	\$44 68

Auditor and Auditing—Continued

Postage:

Bangor Post Office.....		\$10 00
-------------------------	--	---------

Printing:

Burr, The T. W. Ptg. & Adv. Co., monthly reports and forms.....	\$499 85	
Sullivan, Dan T., cards.....	9 00	
	<hr/>	\$508 85

Bond:

Harvey, E. Earle.....		20 00
-----------------------	--	-------

Annual Report:

Burr, The T. W. Ptg. & Adv. Co.....		98 75
-------------------------------------	--	-------

Total general expenses.....		<hr/> \$682 28
-----------------------------	--	----------------

Treasurer and Collector:

Salaries and Wages:

Treasurer and collector.....	\$2,000 00	
Assistant.....	1,150 00	
Clerk.....	430 00	
	<hr/>	

Total salaries and wages.....		\$3,580 00
-------------------------------	--	------------

General Expenses:

Office Supplies:

Bangor Co-Operative Ptg. Co., binders....	\$25 00	
Bangor Rubber Stamp Co., rubber stamp	4 15	
Burr, The T. W., Ptg. & Adv. Co., binder and holder.....	13 25	
Cannon & Co., directory.....	3 00	
Charity Department, bill heads.....	1 59	
Cushman & Dennison Mfg. Co., paper fastener and stamp pad.....	1 70	
Dillingham, E. F., general supplies.....	11 65	
Donham, A. G., Maine Register.....	2 50	

Treasurer and Collector—Continued

Earle, Wm. H., rubber stamps, etc.....	2 60	
Jones, Leslie E., typewriter ribbon coupons.....	3 50	
Marks, Edward A., binders, etc.....	1 80	
Marr, Herbert, dater and ribbons.....	8 24	
Sullivan, Dan T., general supplies.....	71 55	
Supply department, general supplies.....	11 95	
Transo Envelope Co., envelopes.....	24 00	
		<hr/> \$186 48
Postage:		
Bacon, John H., stamped envelopes.....	\$ 12 00	
Bangor Post Office, stamps and stamped envelopes.....	446 70	
Donovan, T. G., treasurer, stamped envelopes.....	53 02	
		<hr/> \$511 72
Less: Postage for Soldiers' aid fund.....	5 46	
		<hr/> 506 26
Printing:		
Bacon, John, tax notices, pay envelopes, etc.....	\$138 75	
Bangor Co-Operative Ptg. Co., checks and letterheads.....	71 50	
Burr, The T. W. Ptg. & Adv. Co., tax receipts, etc.....	63 55	
Glass, Chas. H. Co., checks.....	23 00	
		<hr/> 296 80
Bonds:		
Blake, Barrows & Brown.....	100 00	
Advertising:		
Bangor Publishing Co.....	\$62 70	
Bass, J. P., Publishing Co.....	31 34	
Clifford, Fred H.....	9 10	
		<hr/> 103 14

Treasurer and Collector—Continued

Deputy Collectors:

Clement, Olin L.....	\$363 60	
Kimball, Geo. H.....	8 92	
Wentworth, H. A.....	98 25	
Wilkins, Frederic L.....	33 27	
		504 04

Office Furniture and Fixtures:

American Express Co., express on check protector.....	\$ 34	
Baker-Vawter Co., steel cases and guides	25 71	
Jones, Leslie E., typewriters.....	174 60	
Peyton, Chas. E., check writer.....	24 50	
Sullivan, Dan T., card cabinet, etc.....	11 50	
		236 65

Telephone:

New England Tel. & Tel. Co.....		7 93
---------------------------------	--	------

All Other:

American Express Co., express.....	\$ 83	
Bangor Post Office, box rent.....	6 00	
Boston News Bureau, subscription to paper.....	3 00	
Bradbury, Chas. E., freight.....	25	
Burr, The T. W., Ptg. & Adv. Co., covering, etc., cards, cutting and blocking paper.....	9 17	
Cushman & Dennison Co., repairs for dater.....	2 90	
Earle, Wm. H., repairing stamp.....	1 00	
Jones, Leslie E., repairing typewriter.....	4 25	
Perkins, Fred W., recording deed.....	50	
Rivers, W. H., team for serving tax notices.....	8 75	
Ryder & Simpson, examination to make temporary loan.....	10 00	

Treasurer and Collector—Continued

Sullivan, Dan T., repairs to pencil sharpener.....	35	
Western Union Telegraph Co., telegrams	1 39	
	<hr/>	48 39
Total general expenses.....		<hr/> \$1,989 69

Assessors:

Salaries and Wages:

Assessors.....	\$3,600 00
----------------	------------

Assistant Assessors:

Clement, Olin L., Ward 6.....	\$57 50
Cohen, S. Jr., Ward 1.....	82 50
Gould, Frank E., Ward 5.....	67 50
Harrington, Nicholas, Ward 2.....	87 50
Runnels, H. Percy, Ward 3.....	60 00
Small, Frank H., Ward 7.....	75 00
Wentworth, H. A., Ward 4.....	61 25
	<hr/>

Clerk.....	505 00
------------	--------

Total salaries and wages.....	<hr/> \$4,596 25
-------------------------------	------------------

General Expenses:

Office Supplies:

Burr, The T. W. Ptg. & Adv. Co., cards, blotters.....	\$ 17 45
Cannon & Co., directories.....	9 00
Dillingham, E. F., blotting, etc.....	18 55
Donham, A. G., Maine Register.....	2 50
General Eclipse Co., Inkwell and base plate.....	1 50
Glass, C. H. & Co., paper and binder.....	6 35

Assessors—Continued

Jones, Leslie E., tax book, carbon.....	102 06	
Marks, Edward A., rule and clips.....	1 75	
State of Maine, list of auto registration....	6 00	
Sullivan, Dan T., general supplies.....	11 85	
Supply Dept., general supplies.....	3 32	
	<hr/>	180 33
Telephone:		
New England Tel. & Tel. Co.....		41 40
Postage:		
Dillingham, E. F., stamped envelopes.....		11 29
Printing:		
Burr, The T. W. Ptg. & Adv. Co.....	\$62 68	
Glass, Chas. H.....	17 50	
	<hr/>	80 18
Advertising:		
Bangor Publishing Co.....	\$10 31	
Bass, J. P. Publishing Co.....	11 92	
	<hr/>	22 23
All Other:		
Friend, Jos. E., listing transfers of real estate.....	\$42 24	
Kane, E. F., teams.....	21 00	
Lynch, M. & Co., fitting key.....	25	
	<hr/>	63 49
		<hr/>
Total general expenses.....		\$398 92

Law:

Salary: City Solicitor.....		\$600 00
General Expenses:		
Stationery and Postage:		
Bangor Post Office, stamped envelopes....	\$ 4 22	
Burr, The T. W. Ptg. & Adv. Co., paper..	3 90	
	<u> </u>	\$ 8 12
Stenographic Services:		
Pay roll.....		86 50
Witness Fees:		
Buswell, C. R.....	\$54 46	
Cowan, Chas. C.....	4 96	
Cowan, Mrs. Mary M.....	4 96	
Gillin, James M.....	116 70	
Kearns, Martin.....	4 24	
Various witnesses.....	26 28	
Woodbury, Doris H.....	4 24	
Youngs, F. O.....	2 12	
	<u> </u>	217 96
Expenses out of City:		
Gillin, James M., Lynn and Augusta.....		83 77
Extra Services:		
Gillin, James M.....		600 00
All Other:		
Gillin, J. M., entry fees for suits.....	\$10 20	
Secretary of State of Maine, copy of city charter.....	2 00	
Stevens, Clinton, subpoenas.....	2 20	
	<u> </u>	\$14 40
Credit.....	9 89	
	<u> </u>	4 51
Total general expenses.....		<u>\$1,000 86</u>

City Clerk:

Salaries, Fees and Wages:

Fees:

Brett, Victor.....	\$ 207 00
Salary of city clerk.....	1,000 00
Salary of assistant.....	653 00

Total salaries, fees and wages.....	\$1,860 00
-------------------------------------	------------

General Expenses:

Office Supplies:

Andrews, A. R. Co.; typewriter ribbon coupons.....	\$ 9 00	
Brett, Victor, rubber stamps.....	2 20	
Cannon & Co., directory.....	3 00	
Dangel, H. Co., die stamped letter heads	16 24	
Dillingham, E. F., entry book.....	5 15	
Donham, A. G., Maine Register.....	2 50	
Elliott-Fisher Co., typewriter ribbon coupons.....	7 00	
Fuller Ink Co., Inc., ink, pads.....	5 52	
General Eclipse Co., inkwell.....	1 00	
Sampson & Murdock Co., New England business directory.....	6 00	
Sullivan, Dan T., general supplies.....	28 30	
Supply Department, general supplies.....	1 35	
		\$87 26

Advertising:

Bangor Publishing Co.....	\$11 90	
Bass, J. P., Publishing Co.....	13 17	
		\$25 07

Postage:

Brett, Victor.....	\$54 62
--------------------	---------

Printing:

Bacon, John H., record of vital statistics, etc.....	\$23 00
--	---------

City Clerk—Continued

Bass, J. P. Pub. Co., election notices and ballots.....	83 00	
Burr, The T. W. Ptg. & Adv. Co., blanks	13 15	
		<u>\$119 15</u>

Furniture:

Brett, Victor, express on typewriter stand	\$ 1 36	
Elliott-Fischer Co., typewriter stand.....	86 50	
		<u>\$87 86</u>

All Other:

Baker, J. S., cleaning portieres.....	\$ 2 00	
Bangor Carpet Duster, cleaning carpet....	1 55	
Brett, Victor, express, telegrams, etc.....	10 68	
Haynes & Chalmers Co., water cooler.....	6 50	
New England Tel. & Tel. Co.....	60	
Western Union Telegraph Co., rent of clock.....	13 00	
		<u>\$34 33</u>

Repairs:

Chandler & Co., upholster chair seat.....	\$ 2 00	
Elliott-Fischer Co., repairs for typewriter	13 49	
Sullivan, Dan T., cutters for sharpener....	1 00	
Underwood Typewriter Co., repairs to typewriter	8 50	
		<u>24 99</u>

Total general expenses.....		<u>\$433 28</u>
-----------------------------	--	-----------------

Department of Supplies:**General Expenses:****Salaries and Wages:**

Salary of Purchasing Agent.....	\$166 67	
Salary of clerk.....	614 00	
		<u>\$780 67</u>

Office Supplies:

Bangor Rubber Stamp Co., rubber stamp	\$ 50	
Sullivan, Dan T., general supplies.....	8 80	
		<u>9 30</u>

Department of Supplies—Continued

Printing:

Burr, The T. W. Ptg. & Adv. Co., special ruled cards.....	\$10 75	
Glass, Chas. H. & Co., order books.....	89 50	
		<u>100 25</u>

Telephone:

New England Tel. & Tel. Co.....		45 00
---------------------------------	--	-------

Advertising:

Bangor Publishing Co.....	\$ 9 53	
Bass, J. P., Pub. Co.	4 34	
		<u>13 87</u>

Supplies for Distribution:

Bacon, John H., vouchers.....	\$57 00	
Burr, The T. W. Ptg. & Adv. Co., pay rolls.....	22 10	
Sullivan, Dan T., office supplies.....	19 74	

\$ 98 84

Transferred to other departments 129 11

30 27

Total department of supplies..... \$918 82

Engineering:

Salaries and Wages:

City engineer.....	\$1,330 04
Assistants.....	1,989 79
Street engineers.....	150 00

Total salaries and wages..... \$3,469 83

General expenses:

Office Supplies:

Cannon & Co., directory.....	\$ 3 00
Coombs, P. H. Co., blue prints.....	2 70
Donham, A. G., Maine Register.....	2 50

Engineering—Continued

Dunham-Hanson Co., steel tapes, rules, cord.....	12 60	
Gorham, W. H. & Co., drawing set, etc.....	18 60	
Great Northern Paper Co., blue printing	93	
Hall, Edwin O., tracing cloth, etc.....	8 22	
Makepeace, B. L., plumb-bobs, pocket rules, etc.....	5 98	
Municipal Journal, magazine binder.....	1 35	
Sullivan, Dan T., general supplies.....	9 00	
Supply department, general supplies.....	1 88	
		<hr/> \$66 76
Telephone:		
New England Tel. & Tel. Co.....	53 77	
Repairs:		
Penobscot Machinery Co., rods and fit- ting.....	\$2 42	
Underwood Typewriter, repairs to type- writer.....	3 00	
		<hr/> 5 42
Office Furniture and Fixtures:		
Sullivan, Dan T., steel transfer case.....	3 00	
Insurance:		
Kelley, Edward H., compensation insur- ance.....		31 85
Street Signs:		
Bragg, N. H. & Sons, screw anchors, drills	\$ 2 18	
Haynes & Chalmers Co., street signs.....	4 58	
Ingram-Richardson Mfg. Co., street signs	44 00	
Kane, Michael, team for placing signs.....	2 00	
Maine Central R. R., freight on signs.....	89	
Morse & Co., street signs.....	3 26	
Pay roll, putting up signs.....	63 01	
Penobscot Machinery Co., sign bracket..	1 75	
Queen City Granite Co., putting up signs	16 80	
		<hr/> \$138 47

Engineering—Continued

Trips out of City:

Nason, David J., Good Roads Congress, Boston.....	\$40 00
--	---------

All Other:

American Express Co., express.....	\$ 34
Bangor Publishing Co., advertising.....	5 83
Bass, J. P. Pub. Co., advertising.....	4 50
Bragg, N. H. & Sons, screws.....	2 85
Dunham-Hanson Co., paint, etc.....	3 95
Engineering Record, subscription.....	3 00
Haynes & Chalmers Co., tools.....	11 13
Maynard, Albert, trucking.....	75
Morse & Co., grade stakes.....	28 13
Pay roll, fixing monument on Columbia St.....	25
Wiley, John & Sons, "Modern City".....	3 50
	<hr/>
	64 23

Total general expenses.....	\$403 50
-----------------------------	----------

Inspector of Buildings:

Salary of Inspector.....	\$300 00
--------------------------	----------

General Expenses:

City Hall:

Dunham-Hanson Co., material for repairs	\$ 2 08
Emerson, J. S., carpenter repairs.....	47 46
Fleming, John F., carpenter repairs.....	6 00
Hines, M. F., labor.....	28 00
Kelley, E. F. & Sons, plumbing repairs...	5 80
Leighton Plumbing & Heating Co., plumbing repairs.....	47 25
Marston & Son, lettering door.....	1 75
McCarthy, D. F., labor.....	25 30
McEwen, John, carpenter repairs.....	3 65

Inspector of Buildings—Continued

Patten, L. P., carpenter repairs.....	19 02	
Rice & Miller Co., fire exit bolt.....	10 00	
Ward, John M., mason repairs.....	5 48	
		\$201 79
City Stables:		
Babb, C. H. & Co., plumbing repairs.....	\$90 57	
Dunham-Hanson Co., material for repairs	2 04	
Finn, John B., roof repairs.....	20 26	
Haynes & Chalmers Co., casters.....	70	
Mason, John & Son, iron work on stalls...	1 65	
McCarthy, D. F., labor.....	82 04	
Patten, L. P., carpenter repairs.....	174 97	
		\$372 23
Fire Station:		
Arco Co., The, floor paint.....	\$56 59	
Babb, C. H. & Co., plumbing repairs.....	23 67	
Bangor Gas Light Co., repairs to heater...	63 70	
Bangor Publishing Co., notice to con- tractors.....	7 00	
Blethen, Dyer & Rounds, plumbing repairs.....	61 73	
Cutter, L. W., repairs.....	8 10	
Dore, Willis H., painting repairs.....	112 20	
Dunham-Hanson Co., material for repairs	31 76	
Fairbanks Bros., plumbing repairs.....	4 50	
Hines, M. F., labor.....	2 00	
Kelley, E. F. & Sons, plumbing and roof repairs.....	82 14	
Lancaster, M. H., carpenter repairs.....	45 48	
Lynch, M. & Co., repairs to locks.....	50	
McCarthy, D. F., labor.....	43 71	
McEwen, John, repairs.....	264 51	
Morse & Co., plate glass, etc.....	17 04	
Norris, John M., retaining wall, Hose 5...	673 28	
Patten, L. P., carpenter repairs.....	176 99	
Rice & Miller Co., glass.....	75	
Wood & Bishop Co., repairs.....	7 87	
		\$1,683 52

Inspector of Buildings—Continued**Electric Station:**

Babb, C. H. & Co., plumbing repairs.....	\$52 01	
Cutter, L. W., carpenter repairs.....	55 70	
Dunham-Hanson Co., glass, wrench, etc.	1 65	
Hines, M. F., labor.....	6 00	
McCarthy, D. F., labor.....	30 15	
McEwen, John, carpenter repairs.....	104 11	
Ward, John M., building top on chimney	18 94	
		\$268 56

Almshouse:

Babb, C. H. & Co., plumbing repairs.....	\$174 29	
Bangor Publishing Co., adv. bids for fire escape.....	4 67	
Bass, J. P. Pub. Co., adv. bids for fire escape.....	2 50	
Blethen, Dyer & Rounds, plumbing repairs.....	47 40	
Dunham-Hanson Co., material for repairs	4 36	
Dunning, R. B. & Co., material for repairs	82 20	
Eames, R. G., repairing boiler.....	41 98	
Kennedy, J. E., plumbing repairs.....	117 60	
McAuley, Joseph H., plumbing repairs...	84 69	
Patten, L. P., carpenter repairs.....	426 06	
Penobscot Machinery Co., pump repairs	15 78	
Union Iron Works, boiler tubes.....	193 00	
		\$1,194 53

Election Booths:

Derby, G. B. Co., moving polling booths	\$ 3 00	
McEwen, John, carpenter repairs.....	40 64	
Rice & Miller Co., paint oil and can.....	1 15	
		\$44 79

Armory:

Bass, J. P., Pub. Co., advertising retain- ing wall.....	\$ 7 00	
Blethen, Dyer & Rounds, repairs.....	52 20	
Bradbury, C. E., moving rock to Armory	17 50	

Inspector of Buildings—Continued

Cameron, G. F., hall doors.....	60	
Dunham-Hanson Co., material for repairs	3 28	
Dunning, R. B. & Co., cement.....	125 96	
Hines, M. F., trucking.....	1 50	
Largay, J. E., gravel.....	26 25	
Lynch, M. & Co., repairs to locks.....	1 00	
McCarthy, D. F., labor.....	43 07	
Morse & Co., material for repairs.....	52 86	
Norris, John M., repairs.....	460 95	
O'Connell, Daniel D., bracing armory, etc.....	160 88	
Patten, L. P., carpenter repairs.....	63 03	
Woodman, C., Co., plank.....	23 34	
	\$1,039 42	
Less: Cement bags.....	23 22	
		\$1,016 20
Second Street Building:		
O'Connell, Daniel D.....		150 00
Pest House:		
Blethen, Dyer & Rounds, plumbing repairs.....	\$36 23	
Norris, John M., repairs.....	24 00	
Wood & Bishop Co., range and pipe.....	44 99	
		105 22
General:		
Bangor Co-Operative Ptg. Co., printing letter-heads and stamped envelopes.....	\$ 8 00	
Cameron, G. F., car fares, etc.....	90	
Dunham-Hanson Co., gasoline.....	10	
Dunning, R. B. & Co., repairs to pumps..	28	
Hines, M. F., labor.....	251 38	
Maine Plumbing Co., repairs.....	75	
Mason, John & Son, repairing extension ladder.....	6 00	

Inspector of Buildings—Continued

Patten, L. P., repairs on Water St. slip and Exchange and Broad St. gates.....	62 79	
Sullivan, Dan T., ledger.....	1 75	
Supply Dept., vouchers, req. books.....	3 30	
Woodman, C., Co., lumber for dog house	5 40	
	<u>340 65</u>	
Total general expenses.....		\$5,377 49

Election and Registration:

Salaries and Wages:

Board of Registration:

Brennan, Michael J.....	\$1,515 00	
McCarthy, Daniel F.....	852 00	
Nason, Daniel W.....	904 00	
	<u>\$3,271 00</u>	

Election Officers	1,045 00
-------------------------	----------

Clerk:

Brennan, Rosemary, making 7 ward books.....	\$ 70 00	
Brett, Victor.....	183 00	
	<u>253 00</u>	

Total salaries and wages.....	\$4,569 00
-------------------------------	------------

General Expenses:

Supplies:

Cannon & Co., directory.....	\$ 3 00	
Burr, The T. W. Ptg. & Adv. Co., books and envelopes.....	81 42	
Dillingham, E. F., rubber stamp.....	75	
Sullivan, Dan T., office supplies.....	18 55	
	<u>\$103 72</u>	

Election and Registration—Continued

Printing:

Bass, J. P., Pub. Co., voting lists, check lists	\$594 44	
Burr, The T. W. Ptg. & Adv. Co., ballots, cards, etc.....	47 30	
Glass, Chas. H. & Co., ballots.....	96 25	
		<hr/> 737 99

Cleaning Ward Rooms:

Atwood, H. W., Ward 2.....	\$10 00	
Hines, M. F., Wards 1 and 4.....	20 00	
Kerr, John H., Ward 7.....	10 00	
Mooney, Thomas, Ward 3.....	10 00	
Rogers, Fred, Ward 5.....	10 00	
		<hr/> 60 00

Making up Lists:

Brett, Victor.....		168 00
--------------------	--	--------

Advertising:

Bangor Publishing Co.....	\$152 23	
Bass, J. P., Pub. Co.....	103 42	
		<hr/> 255 65

Polling Booths:

Bangor & Aroostook R. R. Co., ward 6 polling room.....	\$20 00	
Bartlett, Chas. H. trustee, ward 6 polling room.....	45 00	
Bartlett, Chas. H. and Ara Warren, ward 6 polling room.....	25 00	
Derby, G. B. Co., moving polling booths	4 00	
Graham Realty Co., ward 6 polling room	75 00	
		<hr/> 169 00

All Other:

Dillingham, E. F., binding book.....	\$ 1 25	
Doughty, Zachary T., moving chairs and table.....	2 00	
Dunning, R. B. & Co., mop.....	25	

Election and Registration—Continued

Hines, M. F., labor and trucking.....	12 50	
Ridley, F. C., Baggage Transfer Co., moving table and chairs.....	50	
	<u> </u>	16 50
Total general expenses.....		<u> </u> \$1,510 86

City Hall:

Salaries and Wages:

Janitors.....	\$3,000 00
Cleaning.....	388 50
	<u> </u>
Total salaries and wages.....	\$3,388 50

General Expenses:

Light:

Bangor Gas Light Co., gas.....	\$123 99
--------------------------------	----------

Fuel:

Connor Coal & Wood Co., wood.....	\$229 50
Morse & Co., wood.....	6 00
Stickney & Babcock Coal Co., coal.....	1,276 21
	<u> </u>
	\$1,511 71

Moving Seats:

Pay roll.....	\$67 75
---------------	---------

Telephone:

New England Tel. & Tel. Co.....	\$36 10
---------------------------------	---------

Supplies:

Adams Dry Goods Co., drinking cups and cup retainer.....	\$60 65
Bangor Broom Co., brooms.....	6 50
Bangor Ice Co., ice.....	86 13
Bangor Stoneware Co., stone jars.....	2 00
Cassidy, John Co., soap.....	3 80
Chandler & Co., linoleum mats.....	2 50

City Hall—Continued

Columbia Towel Supply Co., towels.....	36 00
Cudahy Packing Co., soap polish.....	12 00
Dickey, W. P. & Co., hammer.....	60
Dole Co., electric fan, etc.....	13 75
Dunham-Hanson Co., snow shovel, pail, etc.....	4 15
Dunning, R. B. & Co., mop handles.....	20
Hayner, Norman C. Co., killitol.....	10 00
Haynes & Chalmers Co., water cooler, bottle, shovel, etc.....	9 41
Lord Bros., meal and matches.....	2 50
School department, tabo.....	63
Snow & Nealley Co., floor brushes, etc....	30 00
Staples & Griffin, kerosene oil.....	50
Supply Dept., matches.....	30
Sweet, Caldwell Co., feather dusters, sponges.....	7 17
Vose, P. H. Co., Water bottle, cooler, etc.....	10 28
West Disinfecting Co., Coro-Noleum.....	7 60

 \$306 67
Repairs:

Acme Mfg. Co., steel flagpole.....	\$36 18
Atlantic Express Co., express on floor wax	40
Babb, C. H. & Co., plumbing repairs.....	74 60
Bartlett, F. Warren, steel ceiling.....	36 00
Blethen, Dyer & Rounds, repairs.....	98 44
Bowdlear, W. H. Co., floor wax.....	11 52
Bragg, N. H. & Sons, bolts.....	2 10
Bryant, W. C., repairing clock.....	1 50
Chandler & Co., repairing furniture.....	171 84
Cutter, Leslie W., posts.....	5 25
Dickey, W. P. & Co., material for repairs	7 86
Dole Co., The, electrical repairs.....	5 10
Dunham-Hanson Co., material for repairs	25 40
Eldridge, Fred E. Co., painting repairs....	145 29
Electric Dept., electrical repairs and lamps.....	144 26

City Hall—Continued

Fairbanks Bros., repairing drinking tank	2 63
Haynes & Chalmers Co., paint, shellac, etc.....	19 47
Hines, M. F., labor.....	106 00
King, John B., painting.....	56 50
Lancaster, M. H., labor on fire-escape door.....	80
Lynch, M. & Co., lock repairs.....	5 70
Maine Plumbing Co., plumbing repairs...	77 73
Mason, John & Son, repairs to flagpole....	5 50
Merryman, A. N., repairs to public toilet	9 15
Mulvaney Bros., repairing flag.....	3 00
Patten, L. P., carpenter repairs.....	115 97
Penobscot Machinery Co., repairs on fire- escape.....	37 62
Rice & Miller Co., material for repairs.....	103 58
Smith & West, gas stove repairs.....	1 05
Union Iron Works, boiler and elevator repairs.....	51 67
Wood & Bishop Co., stove bolts.....	74
Woodman, C. Co., lumber.....	1 83
	<hr/> \$1,364 68

Insurance:

Baker & Hodge.....	\$105 20
Blake, Barrows & Brown.....	385 60
Boyd, J. Herbert.....	684 00
Bright, J. M.....	189 80
Curran, Wm. F. Co.....	108 20
Gallagher, Hugh T.....	242 60
Kirstein, Louis & Sons.....	137 40
McClure, J. W. & Son.....	228 00
Palmer, W. W.....	271 80
Pearl & Dennett Co.....	115 24
Somers, L. W. Co.....	93 60
Stewart, Chas. M.....	155 00
Tyler, L. C. & Sons Co.....	484 80
	<hr/> \$3,201 24

City Hall—Continued

All Other:

Bangor Carpet Duster, cleaning carpet....	\$6 80	
Bangor Pub. Co., advertising for coal.....	2 70	
Bass, J. P. Pub. Co., advertising for coal..	2 90	
Highway Dept., carting ashes.....	11 87	
Hines, M. F., trucking.....	1 00	
Patten, L. P., taking off storm-windows, etc.....	25 85	
Rice & Miller Co., step ladder.....	2 40	
Ridley, F. C., Baggage Transfer Co., truckng.....	25	
Stewart, Chas. M., flag and fixtures.....	12 67	
		66 44

Total general expenses.....	\$6,678 58
-----------------------------	------------

Truant Officer:

Salary.....	\$350 00
-------------	----------

School Agent:

Salary.....	\$700 00
-------------	----------

PROTECTION OF PERSONS AND PROPERTY**Police Department:**

Salaries and Wages:

Chief.....	\$1,350 00
Deputy Chief.....	1,006 47
Inspector.....	1,047 69
Sergeants.....	1,966 26
Captains.....	2,034 96
Auto Driver.....	866 19
Patrolmen.....	24,286 47
Specials.....	1,811 64

Total salaries and wages.....	\$34,369 68
-------------------------------	-------------

Police Department—Continued

Auto Patrol Maintenance:

Gasoline:

Bangor Motor Co.....	\$228 76
----------------------	----------

Repairs:

American Express Co., express.....	\$ 38
Bangor Motor Co.....	26 97
Bangor Vulcanizing Co.....	1 50
Bragg, N. H. & Sons, clips, chain.....	4 80
City Garage.....	455 61
Cutter, Leslie W.....	2 72
Dickey, W. P. & Co., chain and links.....	2 70
Dole Co., The, lamps.....	4 11
Ebbeson, Arvid L.....	60 24
Flagg, R. M.....	5 50
Gilman, L. W., brackets for auto curtain	20
Rice & Miller Co., brake lining.....	3 00
Ryan, Frank, repairing auto curtain.....	1 50
Smith, R. J., repairing cushion and back of patrol.....	6 00
Union Iron Works.....	75
Utterback-Gleason Co., Inc., leather to cover clutch	25
Wall, William, mud guards and splash guards.....	45 00
White Co., The, material for repairs.....	73 59
Woodman, J. F., fly wheel.....	14 88
	<hr/> \$709 70

Tire Tubes:

Conant, C. M. Co., inner tube.....	\$ 6 32
Segal, A., second hand auto tire.....	2 50
United State Tire Co., tires and tubes.....	129 90
	<hr/> \$138 72

Police Department—Continued

Supplies:

Bangor Motor Co., oil, grease, etc.....	\$36 32
Buckley Drug Co., pyro.....	50
Dickey, W. P. & Co., sponge.....	1 00
Sweet, Caldwell Co., denatured alcohol..	45

 \$38 27

All Other:

Bangor Motor Co., storage.....	\$6 00
Buckley Drug Co., chamois skin.....	1 00
Dole Co., The, hydrometer and syringe ...	1 20
Tracy, R. E. & W. F., auto service.....	50
Sweet, Caldwell Co., bottle.....	50

 9 20

 Total auto patrol maintenance.....

 \$1,124 65

Repairs:

Equipment Renewals:

Adams Dry Goods Co., roller towels and pillow cases.....	\$ 8 50
Besse-Ashworth Co., caps, badges, etc.....	116 90
Crosby, S. L. Co., cartridges.....	2 10
Curran & Griffin, pants.....	4 50
Dickey, W. P. & Co., whistles and twisters	22 50
Dunham-Hanson Co., fish hooks.....	25
Evans, D. & Co., buttons.....	15 00
Gamewell Fire Alarm Telegraph Co., register paper.....	60 76
Largay, W. J. Co., caps.....	4 00
Maine Central R. R. Co., freight on paper	1 83
Noyes & Nutter Mfg. Co., galvanized pails.....	5 00
Rice & Miller Co., pails.....	2 41
Wentworth, Fred H., badges.....	32 69
Wood & Bishop Co., dippers.....	2 25

 \$278 69

Police Department—Continued

Repairs:

Bangor Gas Light Co., green tube.....	\$ 90	
Brown & White Co., lamps and batteries	86 05	
Chandler & Co., repairing mattresses.....	6 38	
Dole Co., The, lamps and batteries.....	10 90	
Electric Dept., repairs on police signal.....	28 20	
Gorham, W. H. & Co., head light.....	35	
Kendall & Winch Co., bicycle repairs.....	21 25	
Pendleton, C. E., lamp.....	25	
		154 28

Total repairs..... \$432 97

Pensions:

Baker, Edward K.....	\$ 44 00	
Davis, Thomas A.....	365 00	
Jordan, Mrs. F. C.....	216 00	
Loftus, Frank A.....	365 00	
		990 00

Total pensions..... \$990 00

Other Expenses:

Supplies:

Bangor Broom Co., brooms.....	\$ 2 50	
Bangor Ice Co., ice.....	70 95	
Burr, The T. W. Ptg. & Adv. Co., police book.....	7 85	
Cannon & Co., directories.....	6 00	
Dillingham, E. F., office supplies.....	12 75	
Dole Co., The, batteries.....	1 35	
Donham, A. G., Maine Register.....	2 50	
Jones, F. L. Co., crackers.....	59 09	
Lord Bros., kerosene oil	60	
Snow & Nealley Co., sperm oil.....	4 20	
Staples & Griffin, matches, soap, etc.....	3 83	
Sullivan, Dan T., office supplies.....	4 75	
Supply Dept., office supplies.....	6 96	
		\$183 33

Police Department—Continued

Advertising:

Bass, J. P. Pub. Co.....	\$8 00	
Bangor Pub. Co.....	6 00	
	<hr/>	14 00

Laundry:

Porter-Parsons Co.....		14 91
------------------------	--	-------

Telephone:

New England Tel. & Tel. Co.....		111 35
---------------------------------	--	--------

Electric Signals:

Bangor Railway & Electric Co.....		43 20
-----------------------------------	--	-------

Expenses on Trips out of City:

Gilman, Lindley W.....		34 57
------------------------	--	-------

Medical Attendance:

Milliken, H. J., M. D.....	\$58 00	
Osgood, H. W., M. D.....	24 00	
Scribner, H. E., M. D.....	2 00	
	<hr/>	84 00

Repairs:

Dickey, W. P. & Co., lock for desk.....	\$ 65	
Gilman, L. W., keys.....	30	
Lynch, M. & Co., fitting keys.....	1 05	
	<hr/>	2 00

Printing:

Burr, The T. W. Ptg. & Adv. Co.....		22 50
-------------------------------------	--	-------

Insurance:

Boyd, J. Herbert.....	\$78 00	
Harvey, E. Earle.....	178 50	
	<hr/>	256 50

Signal Register:

Gamewell Fire Alarm Telegraph Co.....		275 00
---------------------------------------	--	--------

Police Department—Continued

All Other:

Auto List Publishing Co., subscription....	\$13 00
Bangor Post Office, stamps.....	2 00
Berry & Smith, bunting and flag pole.....	1 10
Burpee, B. H., auto hire.....	1 50
City Garage, rent of auto.....	75 00
Crosby, S. L. Co., pant guards.....	15
Flagg, R. M., rent of auto.....	35 00
Gallagher Bros., transportation charges for trunk.....	50
Gilman, L. W., auto licenses, etc.....	16 82
Hopkins, Elmer, towing patrol out of mud	2 00
O'Donohue, Thomas E., stamps and express.....	1 85
Silk, Harry, trucking.....	1 00
Tracy, R. E. & W. F., auto hire.....	3 00
	152 92

Total other expenses..... \$1,194 28

Fire Department:

Salaries and Wages:

Chief.....	\$ 1,200 00
Day men.....	26,849 65
Night men.....	1,254 50
Call men.....	10,627 45
Brewer Fire Dept.....	37 50
	\$39,969 10

Total salaries and wages..... \$39,969 10

Horses and Care of Same:

Hay, Straw and Shavings:

Adams, A. T., hay.....	\$ 16 93
Campbell, Wm., hay.....	38 94
Charity Dept., hay.....	58 33
Frost, H. J., hay.....	171 85

Fire Department—Continued

Hillman, Chas. H., hay.....	22 30	
Johnson, A., hay.....	27 51	
Kimball, John W., hay.....	16 21	
Mercier, Elmer, hay.....	17 10	
Moor, Geo. L. & Son, hay, straw and shavings.....	696 85	
Parlee, Albert, hay.....	57 42	
Pinkham, A. P., hay.....	18 05	
Sanford, A. G., hay.....	82 75	
Spellman, James F. & Sons, hay.....	175 16	
Webster, John F., hay.....	46 49	
Weiler, Earle, hay.....	147 13	
Whitman, Henry F., hay, straw and shavings.....	79 56	
Wilshire, John N., hay.....	37 01	
Worster, Geo. W., straw.....	32 60	
		—————\$1,742 19
Grain:		
Hopkins, A. R. Co.....	\$606 23	
Jennison, W. A.....	558 36	
Milliken, James Co.....	438 19	
		————— 1,602 78
Horse Shoeing:		
Cuddy, Thomas E.....	\$ 42 00	
Grant, Asa T.....	41 00	
Leighton & Leland.....	286 40	
Leighton, Leland & Grant.....	17 00	
Littlefield, C. S. & Son.....	5 50	
McKenney, E.....	17 75	
McLean, T. E.....	3 00	
White & Winchester.....	118 35	
		————— 531 00
Veterinary Surgeon:		
Dwinal, C. F., D. V. S.....	\$5 00	
Freeman, R. E., Est.....	9 50	
Murch, Alfred L., M. D. V.....	30 75	
		————— 45 25

Fire Department—Continued

Medicine:

Ame & Co., ointment.....	\$ 5 00	
American Express Co., express on medicine.....		43
Curtis & Tupper.....	8 40	
Dugan, P. T. & Co., phora ointment.....	3 00	
Fowler Drug Co., Fowler's Solution.....	96	
Lesure, Dr. J. G., medicine.....	9 50	
Priest's Pharmacy, medicine.....	29 20	
Sweet, Caldwell, Co., medicine.....	8 88	
	<hr/>	65 37

Use of Horses:

Green, J. Frank.....	\$49 00	
Kane, E. F.....	2 00	
	<hr/>	51 00

Horses:

Mitchell, F. W.....		715 00
---------------------	--	--------

All Other:

Ebbeson, Arvid L., hydrometer.....	\$ 1 00	
Madden, M. J., Harness Co., harness, soap, etc.....		85
Morse & Co., sawdust.....	1 50	
Mulvany Bros., wagon cover.....	3 14	
Parkhurst, J. F. & Son Co., roto salt.....	1 50	
Ryan, Frank, bits.....	2 50	
Utterback-Gleason Co., Inc., roto salt, etc.....	5 60	
	<hr/>	

	\$16 09	
Credit: Dressing.....	87 00	
	<hr/>	70 91

Total horses and care of same..... \$4,681 68

Fire Department—Continued

Fuel and Light:

Fuel:

Connor Coal & Wood Co., wood.....	\$ 2 50
Crossman, W. B.....	5 25
Sweet, Caldwell Co., lighting powders.....	7 35
Stickney & Babcock Coal Co., coal.....	1,118 34
Woodman, J. F. & Co., coal.....	343 21

 \$1,476 65

Credit: Coal..... 7 50

 \$1,469 15

Light:

Bangor Gas Light Co., gas.....	\$296 00
Standard Oil Co., of N. Y., kerosene oil...	45 50

 341 50

 Total fuel and light..... \$1,810 65

Auto Apparatus Maintenance:

Gasoline:

Gulf Refining Co.....	\$13 00
McLaughlin's Garage.....	4 16
Standard Oil Co., of N. Y.....	84 00
Sweet, L. P.....	2 60

 \$103 76

Supplies:

Bangor Motor Co., grease and grease gun.....	\$2 00
McLaughlin's Garage, oil and waste.....	2 60
Sweet, Caldwell, Co., distilled water.....	25

 \$4 85

Credit: Pyrene..... 1 00

 3 85

Repairs:

Bangor Motor Co., lining, etc.....	\$ 7 60
Bangor Welding Co., welding.....	3 00

Fire Department—Continued

Bragg, N. H. & Sons, chain links, etc.....	88	
Dunning, R. B. & Co., material for repairs	40	
Ebbeson, Arvid L., repairing battery.....	7 50	
Firestone Tire & Rubber Co., tires.....	72 86	
McLaughlin's Garage, repairs.....	76 03	
Penobscot Machinery Co., repairs.....	16 94	
Scgrave Co., The, material for repairs...	51 81	
Shannon & Carver, spring.....	2 50	
Union Iron Works, repairs.....	2 35	
Utterback-Gleason Co., Inc., leather	50	
		<hr/> \$242 37
All Other:		
American Express Co., express.....		6 09
		<hr/>
Total auto apparatus maintenance		\$356 07

Repairs and Renewals of Equipment:**Renewals of Equipment:**

Adams Dry Goods Co., sheets, pillow slips.....	\$39 83	
Besse-Ashworth Co., cap.....	2 90	
Curtis & Tupper, acid.....	18 36	
Dugan, P. T. & Co., whip and bit.....	2 70	
Dunham-Hanson Co., mops, pails, etc.....	4 90	
Dunning, R. B. & Co., mops.....	2 50	
Hardy, J. M., bottles, soda cans.....	6 75	
Largay, W. J., Co., caps, bands, etc.	19 75	
Leavitt, Eben, sheets, pillow slips.....	8 70	
Madden, M. J., Harness Co., whip.....	1 00	
Schwartz' Sons, M., hose.....	15 50	
Union Iron Works, sheet packing.....	28	
Utterback-Gleason Co., Inc., harness renewals.....	10 35	
Wentworth, Fred H., caps and badges.....	58 29	
		<hr/> \$190 91
Credit: sponges.....	6 00	
		<hr/> \$184 91

Fire Department—Continued

Repairs:

American LaFrance Fire Engine Co., repairs for steamer.....	\$39 78
Bangor Motor Co., grease and pump oiler	5 10
Bangor Welding Co., welding.....	3 75
Bragg, N. H. & Sons, material for repairs	22 66
Carr, W. E., wagon repairs.....	5 40
Cutter, Leslie W., wagon repairs.....	3 30
Dickey, W. P. & Co., material for repairs	12 94
Dole Co., The, batteries.....	70
Dugan, P. T. & Co., elastic.....	50
Dunham-Hansom Co., material for repairs	11 84
Dunning, R. B., & Co., material for repairs.....	4 63
Eureka Fire Hose Mfg. Co., repairing chemical shut-off nozzle.....	4 18
Glynn Shoe Repairing Co., repairing rubber coats.....	37 10
Hardy, J. M., handles for nozzles.....	5 00
Haynes & Chalmers Co., paint, etc.....	16 68
Hodgkins & Fiske Co., caster cups.....	45
Kelley, A., Carriage Co., repairs to carts..	85 00
Larkin Mfg. Co., hose clamp.....	15 67
Marston & Son, numbering coats.....	75
Mason, John & Son, repairs to carts.....	27 20
Modern Shoe Repairing Co., repairing rubber coats.....	7 60
Penobscot Machinery Co., repairs.....	9 10
Ryan, Frank, harness repairs.....	15 00
Schwartz' Sons, M., brass hose pipe.....	90
Shannon & Carver, repairing hose carts..	120 77
Snow & Nealley Co., material for sled repairs.....	60
Thoms, H. B., repairs to carts.....	30 65

Fire Department—Continued

Union Iron Works, repairs to steamer	45	30	
Utterback-Gleason Co., Inc., harness repairs.....	95	69	
			<hr/>
	\$628	24	
Credit.....	1	50	
			<hr/>
			626 74
			<hr/>
Total repairs and renewals of equipment	\$811	65	

Other Expenses:**Laundry:**

Bangor Steam Laundry.....	\$67	67	
Columbia Towel Supply Co.....	67	80	
Porter-Parsons Co.....	183	03	
			<hr/>
	\$318	50	

Telephone:

New England Tel. & Tel. Co.....			203 25
---------------------------------	--	--	--------

Repairs:

Bangor Gas Light Co., burner and screen	\$	65	
Dunham-Hanson Co., material for repairs	5	83	
Dunning, R. B. & Co., material for repairs		70	
Electric Dept.....	54	35	
			<hr/>
			61 53

Insurance:

Blake, Barrows & Brown.....	\$51	00	
Boyd, J. Herbert.....	102	00	
Bright, J. M.....	34	32	
Curran, Wm. F., Co.	140	16	
Harvey, E. Earle.....	81	91	
Kirstein, Louis, & Sons	92	40	
Lord, Henry, & Co.	51	00	
McClure, J. W., & Son	126	56	
Palmer, W. W.....	105	84	
Pearl & Dennett Co.....	51	00	
Stewart, Chas. M.....	40	80	
			<hr/>
			876 99

Fire Department—Continued

Ice:

Bangor Ice Co.....	\$78 25
Citizens Ice Co.....	32 50
Getchell Bros.....	37 90

 148 65

Supplies:

Adams Dry Goods Co., T. paper.....	\$15 25
Armour & Co., washing powder.....	7 50
Bangor Broom Co., brooms.....	12 60
Bangor Cleaning Co., dustbane.....	4 50
Bragg, N. H. & Sons, white waste.....	1 90
Brown & White Co., brooms, axle grease..	5 13
Cannon & Co., directory.....	3 00
Cassidy, John Co., brooms and washing powder.....	6 19
Curtis & Tupper, soap.....	25
Dickey, W. P. & Co., oil.....	1 85
Dunham-Hanson Co., cord, nails.....	1 83
Dunning, R. B. & Co., waste, cotton mops, etc.....	25 41
Glass, Chas. Chas. H. Co., envelopes.....	12 00
Haynes & Chalmers Co., cord.....	84
Hayward, Chas. & Co., soda.....	2 80
Hopkins, A. R., Co., dirty salt	4 00
Matheson, W. D., soda, T. paper, etc.....	34 59
Parkhurst, J. F., & Son Co., soap and polish.....	10 50
Snow & Nealley Co., rope.....	10 29
Sullivan, Dan T., office supplies.....	4 80
Supply Dept., office supplies.....	8 56
Sweet, Caldwell, Co., acid	63 71
Towle, J. N., & Co., salt	58
Utterback-Gleason Co., harness soap.....	50
Wescott, Geo. I., & Son, soda, soap, etc....	20 91

 259 49

Fire Department—Continued

Trips out of City:

Kelley, P. J.....	75 00
-------------------	-------

All Other:

Dunham-Hanson Co., tunnel, mop handle	\$ 35	
Dunning, R. B., & Co., spittoons	1 63	
Ellingwood, C. E., meals at coal shed fire	16 75	
Glass, Chas. H. & Co., printing fire alarm regulations and placards.....	18 50	
Lane, James, adjusting scales.....	1 00	
Stewart, Chas. M., flag	3 00	
	<u>41 23</u>	

Total other expenses.....	\$1,984 64
---------------------------	------------

Militia:

Maintenance of Armory and Rent:

Rent:

Machine Gun Co.....	\$300 00
---------------------	----------

Insurance:

Baker & Hodge.....	\$71 40	
Palmer, W. W.....	95 20	
	<u>166 60</u>	

All Other:

Eastern Fuel Co., wood.....	\$ 9 00	
Galvin, John T., cleaning up armory.....	10 00	
Patterson, Frederick A., inspecting and figuring new work on armory.....	4 00	
	<u>23 00</u>	

Total maintenance of armory and rent.....	\$489 60
--	----------

Other Protection of Persons and Property:

Sheep Killed by Dogs:

Fuller, Frank R.....	\$ 75 00	
Hewes, Perley.....	489 00	
Morse, Chas. W.....	84 00	
Wilson, Herbert L.....	10 50	
		\$658 50

Hens Killed by Dogs:

Bachelder, Donald.....	\$ 5 25	
Fuller, Frank R.....	60 00	
		65 25

Bob Cat:

Travis, E. J.....	4 00	
		4 00

Total sheep killed by dogs.....		\$727 75
---------------------------------	--	----------

Dog Officer:

Hirsch, Frank A.....	\$222 25	
Mason, W. S.....	57 75	
		\$280 00

Total dog officer.....		\$280 00
------------------------	--	----------

HEALTH AND SANITATION**Health:**

Salaries of board.....	\$500 00
------------------------	----------

Vital Statistics:

Birth Certificates:

Babcock, Harold S., M. D.....	\$ 1 75
Brett, Victor.....	97 95
Brown, A. A., M. D.....	3 75
Caulfield, Geo. B., M. D.....	16 75
Clark, Raymond W., M. D.....	1 50
Edmunds, C. D., M. D.....	3 25
Hills, Frederick I., M. D.	25

Health—Continued

Hunt, Barbara, M. D.....	1 50
Hunt, W. L., M. D.....	25
King, H. A., M. D.....	6 75
Mason, L. S., M. D.....	13 25
McCann, Daniel, M. D.....	3 75
McNally, W. P., M. D.....	9 00
Nealey, E. T., M. D.....	1 50
Osgood, H. W., M. D.....	4 75
Parcher, A. H., M. D.....	2 50
Parcher, C. H., M. D.....	25
Pastor, L. M., M. D.....	11 25
Sanger, Eugene B., M. D.....	3 75
Taylor, C. J., M. D.....	2 25
Thomas, C. P. & C. M.....	2 75
Woodcock, Allan, M. D.....	1 75
	\$190 45

Death Certificates:

Babcock, Harold S., M. D.....	\$ 2 50
Brett, Victor.....	96 45
Brown, A. A., M. D.....	75
Caulfield, Geo. B., M. D.....	8 75
Clark, Raymond W., M. D.....	3 75
Edmunds, C. D., M. D.....	6 25
Hills, Frederick L., M. D.....	15 50
Hunt, Barbara, M. D.....	75
Hunt, W. L., M. D.....	1 00
King, H. A., M. D.....	5 00
Mason, L. S., M. D.....	5 00
McCann, Daniel, M. D.....	2 50
McNally, W. P., M. D.....	5 00
Nealey, E. T., M. D.....	14 25
Norris, L. F., M. D.....	25 00
Osgood, H. W., M. D.....	7 50
Parcher, A. H., M. D.....	4 75
Parcher, C. H., M. D.....	75
Pastor, L. M., M. D.....	1 25
Taylor, C. J. M. D.....	1 75

Health—Continued

Thornley, Roy A., M. D.....	6 50	
Woodcock, Allan, M. D.....	6 00	
		220 95

Marriage Certificates:

Brett, Victor.....	\$59 40	
Cousins, E. M.....	75	
Gamble, Rev. Fred K.....	7 75	
Smith, Rev. Ashley A.....	7 50	
		75 40

Total vital statistics..... \$486 80

General Expenses:

Supplies:

East Side Pharmacy, antitoxin and vaccine.....	\$122 45	
Osgood, H. W., M. D., vaccine and plaster.....	11 90	
		\$134 35

Pest House:

Freeland-Mann Co., insurance.....	\$34 56	
New England Tel. & Tel. Co.....	9 00	
		\$43 56

Vaccinating:

Osgood, H. W., M. D.....	\$57 30	
--------------------------	---------	--

Disinfectants:

East Side Pharmacy, Potass. Permang.....	\$ 4 50	
Sweet, Caldwell, Co., Potass. Permang. and formaldehyde.....	171 98	
		\$176 48

All Other:

American Express Co., express on water..	\$ 50	
Brown & White Co., torchlight, bulb battery.....	1 56	
Burr, The T. W., Ptg. & Adv. Co., printing plumbers' licenses	5 90	

Health—Continued

Sullivan, Dan T., receipt books.....	40	
Supply Dept., requisition book.....	15	
Thompson, L. H., printing application blanks.....	10 50	
		<u>19 01</u>
Total general expenses.....		\$430 70

Inspector of Milk:

Salary.....	\$300 00
-------------	----------

Inspector of Plumbing:

Salary.....	\$750 00
-------------	----------

Sanitation:**General Administration:****Superintendent:**

Salary.....	\$1,100 00
-------------	------------

Salary of Board:

Black, Arthur H.....	\$50 00	
Matheson, Wm. D.....	50 00	
Mitchell, John S.....	50 00	
		<u>150 00</u>

Office Expenses:

Sullivan, Dan T.....	\$ 6 70	
Supply Dept.....	5 68	
		<u>12 38</u>

Total general administration.....	\$1,262 38
-----------------------------------	------------

Sewer Maintenance:

Salaries and wages.....	\$1,549 59
-------------------------	------------

Sanitation—Continued

Material and Supplies:

Bangor Brick & Construction Co., brick..	\$25 50	
Crossman, W. B., wood.....	3 50	
Dunham-Hanson Co., asbesto tip wicks..	3 00	
Eastern Cement Co.....	32 85	
Gulf Refining Co., kerosene oil.....	3 60	
Morse & Co., logs.....	12 33	
Standard Oil Co., of N. Y., kerosene oil...	9 00	
Stickney & Babcock Coal Co., coal.....	24 00	
		<hr/> \$113 78

Repairs to Equipment:

Dunning, R. B., & Co., material for repairs.....	\$10 31	
McNeil, R. D., repairing dump cart.....	1 00	
Penobscot Machinery Co., repairs.....	3 24	
Shannon & Carver, repairs to dump carts and tools.....	54 73	
Snow & Nealley Co., paint, oil, etc.....	6 30	
Union Iron Works, repairing inspirator...	1 80	
		<hr/> 77 38

Rubber Boots and Coats:

Sawyer Boot & Shoe Co., boots.....	\$3 79	
Waterman, J., Co., rubber hat.....	1 00	
		<hr/> 4 79

Equipment:

Bond, Harold L. Co., pails, hose and couplings	\$40 20	
Bragg, N. H. & Sons, scoup, shovels.....	17 91	
Dunning, R. B. & Co., pail, dipper.....	35	
Eastern Steamship Corp., freight.....	55	
Shannon & Carver, cesspool, tripod.....	5 50	
		<hr/> 64 51

Plumbing Repairs:

Babb, C. H. & Co.....	17 60	
-----------------------	-------	--

Sewer Pipe:

Babb, C. H. & Co.....	28 92	
-----------------------	-------	--

Sanitation—Continued

All Other:

Bangor Pub. Co., advertising.....	\$4 50	
Bass, J. P. Pub. Co., advertising.....	4 50	
Dunning, R. B. & Co., oil cans, broom.....	2 52	
Hughes, Murtagh, trucking pipe.....	6 75	
Lord, Henry, & Co., insurance on store- house.....	14 18	
Penobscot Machinery Co., rims for pails..	3 74	
Shannon & Carver, manhole steps.....	3 00	
Snow & Nealley Co., axle grease.....	1 00	
Sullivan, Dan T., sewer plan book.....	30 00	
		70 19

Total sewer maintenance.....	\$1,926 76
------------------------------	------------

Catch Basin Maintenance:

Salaries and wages.....	\$4,078 10
-------------------------	------------

Material and Supplies:

Bangor Brick & Construction Co., brick	\$116 45	
Hughes, Murtagh, sand.....	16 50	
Penobscot Machinery Co., cesspool tops, grates.....	59 60	
Queen City Granite Co., granite.....	6 00	
Sewer Dept., sewer pipe and cement.....	85 55	
Snow & Nealley Co., grease, etc.....	6 05	
Towle, J. N. & Co., mine salt.....	34 80	
Union Iron Works, sidewalk cesspool and cover.....	19 50	
		344 45

Rubber Boots and Coats:

Adams Dry Goods Co., rubber coats.....	\$24 00	
Arnold, J. M. Shoe Co., rubber boots.....	3 85	
Sawyer Boot & Shoe Co., rubber boots....	11 37	
		39 22

Sanitation—Continued

Equipment:

Bragg, N. H. & Sons, shovels.....	\$ 1 19	
Mulvany Bros., canvas hose.....	2 40	
Shannon & Carver, ladder.....	5 00	
Snow & Nealley Co., rope.....	2 84	
		<u>11 43</u>

Equipment repairs:

Shannon & Carver, repairing dump carts and ladder.....		14 20
---	--	-------

All Other:

Penobscot Machinery Co., repairs to cess- pool tops.....		<u>1 65</u>
---	--	-------------

Total catch basin maintenance..... \$4,489 05

Refuse and Garbage Removal:

Salaries and wages.....		\$2,792 63
-------------------------	--	------------

Street cleaning:

Salaries and wages.....	\$9,215 44	
-------------------------	------------	--

Equipment:

American Express Co., express on brooms	\$ 82	
Dunham-Hanson Co., filling sweeper broom.....	15 00	
Dunning, R. B. & Co., push brooms.....	9 50	
Haynes & Chalmers Co., push brooms.....	8 33	
Imperial Brush Co., street brooms.....	8 00	
		<u>41 65</u>

Total street cleaning..... \$9,257 09

HIGHWAY AND BRIDGES

Highways:

General Administration:

Salary of Street Commissioner.....	\$1,190 58	
Salary of Clerk.....	787 50	
		—————\$1,978 08

Printing:

Burr, The T. W., Ptg. & Adv. Co.....	\$57 75	
Glass, C. H., & Co.....	3 75	
Thompson, L. H.....	59 40	
		————— 120 90

Office Supplies:

American Express Co., express on time cards.....	\$ 52	
Bangor Post Office, stamped envelopes....	20 00	
Cannon & Co., directory.....	3 00	
Cincinnati Time Recorder Co., time cards	1 25	
Jameson, H., on account for envelopes.....	1 62	
Marks, Edward A., binders.....	3 45	
Smith, L. C. & Bros. Typewriter Co., typewriter ribbon.....	75	
Sullivan, Dan T., general supplies.....	40 35	
Supply Dept., general supplies.....	22 26	
		————— 93 20

Office Furniture and Fixtures:

Jones, Leslie E., typewriter.....	\$38 00	
Sullivan, Dan T., steel transfers.....	3 00	
		————— 41 00

All Other:

Adams Dry Goods Co., drinking cups.....	\$ 1 35	
Jones, Leslie E., rent of typewriter.....	14 00	
		————— 15 35

Total general administration.....		————— \$2,248 53
-----------------------------------	--	------------------

Highways—Continued

General Highway Expenditures:

Salaries and Wages.....	\$17,131 56
-------------------------	-------------

Material:

Bangor Pub. Co., bids for gravel.....	\$ 5 83
Barker, Isaac, white ash plank.....	5 01
Blaisdell, H. P., gravel.....	6 80
Blaisdell, T. M., crosswalks.....	157 82
Bragg, N. H., & Sons, culvert.....	26 40
Cort, Fred, gravel.....	57 75
Eastern Cement Co., cement.....	1 28
Grady, John, & Son, gravel.....	10 00
Hughes, Murtagh, gravel.....	9,616 46
Johnson, Lewis, rock.....	8 75
Morse & Co., lumber.....	177 43
Nelligan, P. J., gravel.....	4 40
North East Metal Culvert Co., culvert...	87 50
Penobscot, County of, spruce boards.....	6 05
Robinson, A. H., gravel and rock.....	90
Ryan, D., lumber.....	21 87
Sanford, A. G., gravel.....	9 75
Sanford, C. C., gravel.....	10 25
Towle, A. H., gravel.....	8 25
United Construction Co., culvert pipe and sluice.....	573 75
White, Frank, gravel.....	5 75
Whitney, P. M., gravel.....	3 25
Wilson, H. O., gravel.....	9 25
Wright, L. V., gravel.....	3 00

\$10,817 50

Credit: Gravel, sand, etc.....	1,348 87
--------------------------------	----------

\$9,468 63

Highways—Continued

Supplies:

Barrett Co., The, paint.....	\$ 2 25
Bragg, N. H. & Sons, screws.....	1 07
Brown, C. M., alcohol.....	3 20
Brown & White Co., Roto salt, sponges...	6 80
Crossman, W. B., wood.....	16 00
Crossman Wood & Coal Co., wood.....	13 75
Dunham-Hanson Co., dynamite, nails, etc.....	49 40
Dunning, R. B. & Co., white waste, mops, lime.....	2 62
Eastern Steamship Corp., freight on oil and grease.....	1 34
Fire Dept., sponges.....	5 75
Fowler Drug Co., sponges, soap, etc.....	18 60
Frawley's Pharmacy, soap.....	2 40
Gallagher, C. P. & Co., soap, matches, etc.....	9 80
Gulf Refining Co., kerosene oil.....	8 10
Haynes & Chalmers Co., kerosene oil, etc.	19 56
McLean-Jones Oil & Supply Co., grease..	22 12
Parkhurst, J. F. & Son Co., Roto salt.....	7 50
Rice & Miller Co., oil, dust brush, etc.....	3 15
Schwartz' Sons, M., waste, raw hide lace..	9 10
Snow & Nealley Co., oil and grease.....	14 30
Standard Oil Co. of N. Y., kerosene oil ...	9 00
Stickney & Babcock Coal Co., coal.....	209 76
Thompson, E. B. Co., pails.....	1 10
Thurston & Kingsbury Co., Ivory soap...	7 00
Towle, J. N. & Co., salt.....	2 85
Woodman, J. F. & Co., coal.....	93 99

 \$540 51

Credit: Dynamite..... 75

 \$539 76

Highways—Continued

Veterinary Surgeon: and Medicine:

Buckley Drug Co., medicine.....	\$12 00
Curtis & Tupper, medicine.....	2 50
Dunning, R. B. & Co., medicine.....	4 00
Fowler Drug Co., medicine.....	62 74
Fowler's Pharmacy, flaxseed.....	1 50
Freeman, R. E. Est.....	7 00
Gilbert, Fred A., filing horse's teeth.....	11 00
Murch, Alfred L., M. D. V.....	49 00
Strout, M. E., D. V. S.....	25 90

 \$175 64

Suburban Agents:

Babcock, J. H.....	\$ 2 25
Blaisdell, H. P.....	56 27
Chandler, A. J.....	50 42
Cort, Fred.....	206 20
Eveleth, R. C.....	152 58
Fuller, F. R.....	119 63
Hamm, Alberto J.....	72 84
Hathorn, Guy E.....	14 20
Lewis, E. H.....	42 00
Lewis, H. P.....	163 00
Nelligan, P. J.....	225 95
Robinson, A. H.....	70 45
Sanford, A. G.....	206 90
Sanford, C. C.....	54 50
Smith, E. C.....	72 67
Vague, Harris H.....	3 75
White, Frank.....	6 50
Whitney, P. M.....	127 62
Wilson, H. O.....	185 41
Wright, L. V.....	170 09

 \$2,003 23

Grain, Hay and Straw:

Charity Dept., hay.....	\$576 74
Eastern Grain Co., grain.....	55 40
Farmer's Union, The, grain.....	80 00

Highways—Continued

Hill, Geo., hay.....	71 00
Hopkins, A. R. Co., grain.....	1,677 24
Jennison, W. A., grain.....	1,554 70
Kimball, J. W., hay.....	373 15
Largay, J. E., straw.....	23 30
Milliken, James, Co., grain.....	364 88
Moor, Geo. L. & Son, straw.....	5 94
Morison, F. P., straw.....	94 83
Mower, F. L., hay.....	134 49
Noyes, A. F., hay.....	134 11
Parlee, Albert, hay.....	7 45
Richards, W. F., hay.....	25 18
Robinson, E. E., hay.....	21 03
Spellman, James F. & Sons, hay.....	98 55
Towle, J. N. & Co., grain.....	469 50
Whitney, Pearl, hay and straw.....	156 32
Wilson, H. L., hay.....	234 61
Witherly, Geo. H., hay.....	13 90
Wright, L. V., hay.....	39 89
	<hr/> \$6,212 21

Equipment Renewals and Repairs:

American Express Co., express.....	\$ 3 94
Austin Mfg. Co., repairs for grader.....	1 87
Bangor Motor Co., lining.....	2 10
Bangor Vulcanizing Co., vul. tubes and castings.....	17 50
Benson, E. R., Motor Co., auto repairs....	138 12
Blethen, Dyer & Rounds, sprinkler repairs.....	50
Bragg, N. H. & Sons, material for repairs	207 78
Brown & White Co., whips.....	4 50
Buffalo Steam Roller Co., steam roller repairs.....	2 50
Burrill, Wm. E., auto repairs.....	63 89
Conant, C. M. Co., repairs for road machine.....	280 25

Highways—Continued

Co-Operative Garage Co., repairs on truck.....	111 40
Dickey, W. P. & Co., shovels, hoes, etc.....	27 82
Dole Co., The, material for repairs.....	48 38
Dunham-Hanson Co., material for repairs	155 60
Dunning, R. B. & Co., material for repairs	119 01
Green, J. Frank, repairs on truck.....	196 04
Haynes & Chalmers Co., material for repairs.....	234 17
Kelley, A., Carriage Co., repairs to carts and sleds.....	50 25
Lancaster, M. H., repairs.....	13 56
Madden, M. J., Harness Co., harness renewals.....	15 60
Maine Plumbing Co., sprinkler repairs...	30 98
Mason, John & Son, sprinkler repairs.....	41 94
McKenney, Galen, filing saws.....	1 40
McNeil, R. D., repairs on carts.....	142 95
Morse & Co., lumber for repairs.....	4 45
Peavey Mfg. Co., road machine knives...	54 00
Penobscot Machinery Co., repairs to equipment.....	14 47
Rice & Miller Co., material for repairs.....	1 22
Ryan, Frank, harness renewals and repairs.....	344 70
Schwartz' Sons, M., belt dressing and lacing.....	3 75
Smith, E. C., repairing drag.....	2 50
Smith, R. J., repairs to auto curtains.....	1 50
Snow & Nealley Co., material for repairs	21 45
Thoms, H. B., repairs on auto.....	136 74
Treat, Chas. B., repairs on auto.....	100 82
Treat, John W., vul. tires.....	6 40
Union Iron Works, plugs for steam roller	1 80
United States Tire Co., tires.....	40 84
Utterback-Gleason Co., Inc., harness renewals.....	10 69

Highways—Continued

Velie Co., repairs to motor truck.....	9 45	
Winsor, Alfred, & Son, picks.....	8 50	
Woodman, C., Co., material for repairs....	1 63	
		<hr/>
	\$2,676 96	
Credit : Hoe.....	1 00	
		<hr/>
		\$2,675 96
Horse Shoeing:		
Grant, Asa T.....	\$260 50	
Leighton & Leland.....	229 45	
Leighton, Leland & Grant.....	116 65	
McKenney & Carr.....	29 00	
McLean, T. E.....	6 75	
White & Winchester.....	137 62	
		<hr/>
		779 97
Insurance:		
Byrnes, P. J.....	\$37 15	
Curran, Wm. F., Co.....	62 59	
Freeland-Mann Co.....	19 20	
Harvey, E. Earle.....	40 14	
Kelley, Edw. H.....	773 34	
Lord, Henry, & Co.....	27 40	
Stewart, Chas. M.....	21 00	
		<hr/>
		980 82
Gasoline and Oil for Auto Truck and Auto:		
Co-Operative Garage Co., The, oil and gasoline.....	\$ 2 60	
Dunham-Hanson Co., gasoline.....	7 57	
Fowler Drug Co., denatured alcohol, distilled water.....	9 00	
Gulf Refining Co., gasoline.....	411 00	
McLean-Jones Oil & Supply Co., oil.....	17 50	
Newman, Neil E., Never Freeze.....	2 50	
Snow & Nealley Co., oil.....	11 15	
Standard Oil Co. of N. Y., gasoline.....	141 00	
Treat, Chas. B., cup grease, etc.....	3 10	
		<hr/>
		605 42

Highways—Continued

All Other:

Bangor Ice Co., ice.....	13 90
Bryant, W. C., repairing clock.....	2 00
Burr, Ethel M., grading on Fremont St...	15 00
Cassidy, John Co., hogshead.....	1 25
Columbia Towel Supply Co., towels.....	19 50
Cox, J. F., M. D., surgical attendance to Martin Toole.....	5 00
Dunham-Hanson Co., kerosene oil and can.....	1 10
Dunning, R. B. & Co., milk can.....	60
Earle, Wm. H., stencil and figures.....	3 60
Electric Dept., lamps.....	47 36
Fellows, W. E., medical attendance for Isaac Barker.....	10 00
Haynes & Chalmers Co., compound for welding.....	49
Lynch, M., & Co., latches, keys, etc.	5 45
Matheson, W. D., matches.....	4 00
New England Tel. & Tel. Co.....	53 09
Penobscot, County of, sawing lumber.....	25
Peters, Wm. C., M. D., surgical attend- ance, Simeon W. Withee.....	75 00
Postal Telegraph Co., telegram.....	31
Whitney, Walter E., M. D., treatment of John Costellow's eye.....	2 00
Wood & Bishop Co., stove pipe and elbows.....	2 90
	262 80

Total general highway expendi-
tures.....

\$40,836 00

Repairs and Maintenance Sidewalks and Curbing:

Salaries and wages.....	\$294 67
-------------------------	----------

Highways—Continued**Material:**

Highway Dept., gravel.....	\$ 46 40
Hughes, Murtagh, gravel.....	258 91
Morse & Co., lumber.....	142 72
	<hr/>
	448 03

Total repairs and maintenance sidewalks and curbing.....	\$742 70
---	----------

Snow and Ice Removal:

Salaries and wages.....	\$8,775 29
-------------------------	------------

Suburban Agents:

Babcock, J. H.....	\$162 02
Blaisdell, H. P.....	101 88
Chandler, A. J.....	29 95
Cort, Fred.....	80 77
Eveleth, Ralph C.....	125 52
Fuller, F. R.....	58 11
Gray, Geo. A.....	8 00
Hamm, Alberto J.....	50 32
Hathorn, Guy E.....	18 65
Lewis, E. H.....	41 00
Lewis, H. P.....	150 25
Nelligan, P. J.....	200 00
Morrison, C. H.....	11 25
Robinson, A. H.....	30 18
Sanford, A. G.....	48 75
Sanford, C. C.....	8 25
Smith, E. C.....	56 25
Vague, Harris H.....	12 95
Whitney, P. M.....	191 35
Wilson, Henry O.....	230 21
	<hr/>
	1,615 66

Highways—Continued

Equipment and Repairs:

Haynes & Chalmers Co., material for repairs.....	\$5 68	
Morse & Co., lumber for repairs.....	5 48	
Woodman, C. Co., plank.....	2 34	
		<u>13 50</u>

All Other:

Dunham-Hanson Co., wire netting.....	\$ 1 60	
Towle, J. N. & Co., salt.....	8 44	
		<u>10 04</u>

Total snow and ice removal..... \$10,414 49

Sprinkling:

Salaries and wages..... \$8,994 73

Supplies:

Crossman, W. B., wood..... 5 50

Oil for Road:

Maine Central R. R. Co., demurrage on oil.....	\$ 27 00	
Standard Oil Co. of N. Y., oil.....	385 14	
		<u>412 14</u>

Equipment and Repairs:

Thompson, E. B. Co., oil pump.....	\$40 00	
		<u>\$40 00</u>
Credit.....	5 00	
		<u>35 00</u>

All Other:

Derby, G. B. Co., rent of sprinkler..... 50 00

Total sprinkling..... \$9,497 37

Bridges:

Repairs and Maintenance:

Material:

Farrington, Dana C., sand..... \$ 1 75

Bangor and Brewer Bridge:

Babb, C. H. & Co., repairs.....	\$35 12
Bowe, H. A., wire cable.....	9 45
Casey, Francis T., repairs.....	19 20
Dickey, W. P. & Co., wire brushes.....	1 75
Dunham-Hanson Co., paint, oil, etc.....	15 28
Dunning, R. B. & Co., hose and nozzle.....	5 40
Electric Dept., lighting bridge, Feb., 1916-Feb., 1917.....	300 00
Farrington, C. O., cement.....	2 44
Gatchell, E. L., lumber and labor.....	2 44
Grady, John & Son, wood blocks, etc.....	36 79
Haynes & Chalmers Co., lanterns, broom, etc.....	14 44
Highway Dept., sprinkling and cleaning bridge.....	100 00
Kelley, Edward H. compensation, ins.....	43 40
Largay, J. E., gravel.....	1 75
Largay, W. J. Co., uniform cap.....	2 50
Lewis, H. R. & Co., stove pipe, etc.....	1 91
Maynard, Albert, trucking.....	2 50
Morison & Cushman, Lumber.....	5 16
Morse, F. S., labor.....	8 90
Pay roll.....	1,585 16
Penobscot Machinery Co., adjusting expansion joints.....	5 45
Queen City Granite Co., repairing and cutting down abutments.....	33 60
Rice & Miller Co., paint.....	336 60
Stickney & Babcock Coal Co., coal.....	9 30
Supply Dept., requisition book.....	15
Traffic Sign Co., silent policemen.....	10 50

Bridges—Continued

Tropical Paint & Oil Co., paint.....	22 50	
Woodman, C., Co., lumber.....	2 00	
Woodman, J. F., & Co., coal.....	3 16	
		2,616 85
Morse's Mill Bridge:		
Highway Dept., cleaning bridge.....	\$ 15 00	
Maynard, Albert, carting old lumber.....	11 00	
Morse & Co., lumber and nails.....	159 95	
Morse, F. S., labor.....	74 16	
Pay roll.....	11 00	
		271 11
Merrill's Bridge:		
Dickey, W. P. & Co., spikes.....	\$ 6 45	
Gatchell, E. L., labor.....	143 75	
Morse & Co., lumber and nails.....	236 46	
Pay roll.....	2 37	
		389 03
Kenduskeag Bridge:		
Bangor Pub. Co., advertising.....	\$ 8 00	
Bass, J. P., Pub. Co., advertising.....	6 40	
Dunham-Hanson Co., rules.....	2 50	
Grady, John & Sons, wood block paving	1,493 73	
Greenwood, E. E., examination and report on bridge.....	29 00	
North East Metal Culvert Co., iron bridge arching.....	135 00	
Pay roll.....	192 18	
Penobscot Machinery Co., work on steel	31 80	
		1,898 61
Pushaw Road Bridge:		
Bragg, N. H. & Sons, steel and jack screws.....	\$33 16	
Cort, Fred, cleaning bridge.....	3 50	
Dunham-Hanson Co., nails.....	3 25	
Morse & Co., nails and lumber.....	253 72	
Pay roll.....	412 25	
Tozier, Clifton & Earl Lewis, use of boat	10 00	
		715 88

Bridges—Continued

Six Mile Falls Bridge:

Cort, Fred.....	\$10 50	
Morse & Co., lumber.....	21 98	
		32 48

Salt Mill Bridge:

Highway Dept.....		15 90
-------------------	--	-------

Insurance:

Curran, Wm. F.....	\$84 00	
Freeland-Mann Co.....	63 00	
Lord, Henry & Co.....	42 00	
Mullen, Chas. C.....	42 00	
Pearl & Dennett Co.....	42 00	
Somers, L. W. Co.....	84 00	
		357 00

All Other:

Eldridge, Fred E. Co., painting Franklin St. Bridge.....	15 15	
Haynes & Chalmers Co., extension lad- der and rope.....	8 08	
Sawyer Boot & Shoe Co., rubber boots.....	7 10	
Supply Dept., vouchers, requisition books	88	
		31 21

Total repairs and maintenance.....	\$6,328 92
------------------------------------	------------

CHARITIES**Charities:**

General Administration:

Salaries and Expense:

Salaries—Overscers of the Poor.....	\$1,395 23
-------------------------------------	------------

Expense:

Burr, T. W., Ptg. & Adv. Co., binder and sheets.....	\$10 81
Cannon & Co., directory.....	3 00

Charities—Continued

Donham, A. G., Maine Register.....	2 50	
Glass, Chas. H. Co., printing bills.....	10 50	
Overseers of the Poor, stamps.....	12 50	
Porter, Mrs. Martha, clerk hire.....	5 25	
Sullivan, Dan T., office supplies.....	1 75	
Supply Dept., office supplies.....	14 90	
		<hr/>
	\$61 21	
Credit: Bill heads.....	1 59	
		<hr/>
		59 62
		<hr/>
Total general administration.....		\$1,454 85

Almshouse:

Salaries and wages.....	\$4,897 99
-------------------------	------------

Groceries and Provisions:

Armour & Co.....	\$351 93
Bangor Dairy Co.....	226 20
Bangor Egg Co.....	9 25
Bean, W. A.....	2 00
Cassidy, John Co.....	322 75
Crowell, Fred.....	49 62
Duluth-Superior Milling Co.....	242 00
Eastern Grain Co.....	112 25
Eastern Steamship Corp.....	2 28
Fickett, F. H.....	4 72
Flanders, Wm. Co.....	69 12
Fleischmann Co., The.....	39 76
Foley, J. E. Co.....	165 79
Foster, Frank P.....	7 88
Gallagher, T. F.....	2 00
Hayward, Chas. & Co.....	458 59
Horlick's Malted Milk Co.....	4 00
Jones, Alfred Sons.....	124 47
Jones, Chas. S.....	81 16

Charities—Continued

Jones, F. L., Co.....	35 49	
Jones' Sanitary Market.....	9 89	
Joy, A. W., Co.....	50 73	
Leighton, G. W. & C. S.....	5 65	
Murray Bros. Co.....	463 19	
Savage, C. H.....	4 58	
Savage, T. R. Co.....	53 06	
Scott & Co.....	28 38	
Squire, John P., & Co.....	32 75	
Staples & Griffin.....	130 50	
Sulzberger & Sons Co.....	609 74	
Swift & Co.....	116 68	
Thurston & Kingsbury.....	15 30	
Wescott, Geo. I., & Son.....	23 15	
Wilson & Co.....	127 92	
		3,982 78

Fuel:

Danforth, Eugene, wood.....	\$30 00	
Maine Central R. R. Co., freight on wood.....	15 00	
Sterns Lumber Co., wood.....	1,476 40	
Stickney & Babcock Coal Co., coal.....	15 50	
	\$1,536 90	
Less: Transferred to outside relief.....	640 00	
		896 90

Dry Goods and Clothing:

Adams Dry Goods Co.....	\$594 47	
Besse-Ashworth Co.....	19 39	
Freese, A. Langdon.....	2 15	
Largay, W. J. Co.....	25 50	
New York Syndicate.....	5 46	
Nichols, E. C. Dry Goods Co.....	13 50	
Standard Clothing Co.....	17 85	
Waterman, J., Co.....	13 00	
		691 32

Charities—Continued

Special Medical Attendance:

Eastern Maine General Hospital	\$18 00	
Hunt, Barbara, M. D.....	5 00	
Hunt, W. L., M. D.....	10 00	
		33 00

Grain and Feed:

Dunning, R. B. & Co.....	\$ 3 25	
Eastern Grain Co.....	71 05	
Hopkins, A. R. Co.....	63 15	
Jennison, W. A.....	390 95	
Milliken, James, Co.....	46 02	
Towle, J. N. & Co.....	872 32	
		1,446 74

Hospital Supplies and Medicine:

Buffington Pharmacy Co., medicine.....	\$ 17 50	
Dunham-Hanson Co., ash cans.....	50	
East Side Pharmacy, prescription.....	2 50	
Farrar Furniture Co., mattress.....	2 50	
Foley, J. E. Co., whiskey.....	20 50	
Frawley, John P., prescription.....	50	
Frye, Geo., Co., silk knee cap.....	1 38	
Liggett, Louis K., Co., absorbent cotton..	12 11	
Sweet, Caldwell, Co., medicine.....	325 22	
Vose, P. H. Co., dishes, etc.....	6 87	
		389 58

Boots and Shoes:

Arnold, J. M. Shoe Co., shoes.....	\$ 8 25	
Dugan, P. T. & Co., taps, etc.....	3 35	
Modern Shoe Repairing Co., repairing cork shoe.....	2 00	
New York Syndicate, shoes.....	1 25	
Palmer Shoe Mfg. & Repeg. Co., nails.....	1 05	
Sawyer Boot & Shoe Co., shoes.....	178 15	
Yates, A. O., Shoe Co., shoes.....	5 00	
		199 05

Charities—Continued

Household Utensils and Supplies:

Adams Dry Goods Co., paper, oilcloth.....	\$16 95
Armour & Co., soap, washing powder.....	40 25
Bangor Broom Co., brooms.....	5 50
Bangor Stoneware Co., stone jars.....	2 55
Cassidy, John, Co., matches, washing powder.....	36 95
Cudahy Packing Co., soap.....	8 10
Curtis & Tupper, egg preservative.....	1 50
Dole Co., The, electric heater.....	5 75
Dunham-Hanson Co., mop wringer.....	1 75
Dunning, R. B. & Co., pails, clothes basket.....	3 40
Dwellely & Co., sewing machine needles and shuttle	1 55
Farrar Furniture Co., beds, mattresses, springs, etc.....	61 50
Flanders, Wm. M. Co., soap.	24 76
Freese, A. Langdon, oilcloth.....	1 90
Greeley, M. B., ice.....	8 22
Gulf Refining Co., kerosene oil.....	2 25
Hayward, Chas. & Co., soap, soap powder, etc.	42 75
Lewis, H. R. & Co., milk cans, etc.....	7 85
Murray Bros. Co., washing powder, etc...	18 88
Noyes & Nutter Mfg. Co., milk cans and pails.....	5 80
Snow & Nealley Co., wood baskets.....	6 67
Staples & Griffin, soap, Dutch cleanser....	3 45
Sweet, Caldwell, Co., essences, etc.....	10 18
Towle, J. N. & Co., salt.....	3 79
Vose, P. H. Co., dishes, etc.....	56 99
West Disinfecting Co., liquid soap, etc....	162 07
Wood & Bishop Co., flour sieve.....	20
Woolworth, F. W. Co., dishes, etc.....	8 80

Charities—Continued

Material and Repairs:

Atkins Bros., wall paper and border.....	\$ 9 89
Bragg, N. H. & Sons, material for repairs	5 63
Carter, Ralph E. & Co., welding.....	75
Cassidy, T. F. & Son, repairing potato digger.....	50
Conant, C. M. Co., repairs for disc drill...	2 75
Dickey, W. P. & Co., screen moulding.....	1 50
Dole Co., The, labor.....	46
Dunham-Hanson Co., material for repairs	84 79
Dunning, R. B. & Co., material for repairs	101 88
Eastern Builders Assn., paint, etc.....	59 49
Electric Dept., lamps and installing lights in stable.....	50 75
Fessenden, C. P., repairs to carts.....	92 85
Gorham, W. H. & Co., paint.....	3 35
Haynes & Chalmers Co., material for repairs.....	10 25
Kendall & Winch Co., repairs to lawn-mower.....	1 50
Knowles & Dow Co., repairs to equipment.....	30 38
Lewis, H. R. & Co., repairs to stoves.....	33 20
Morse & Co., lumber.....	36 91
Noyes & Nutter Mfg. Co., stove repairs..	11 18
Rice & Miller Co., material for repairs.....	21 94
Schwartz' Sons M., filing saws.....	2 25
Snow & Nealley Co., material for repairs..	4 44
Thompson, E. B. Co., mowing machine repairs.....	4 00
Thompson Implement & Seed Co., material for plow repairs.....	1 62
Union Iron Works, material for repairs....	5 00
Utterback-Gleason Co., material for repairs.....	2 10
Welch, C. E., equipment repairs.....	24 50
Woodman, C. Co., lumber.....	45 91
	\$649 77

Charities—Continued

Seed:

Chick, Wm. F.....	\$133 88	
Dunning, R. B. & Co.....	13 90	
Kelleher, John T., cabbage and tomato plants.....	10 25	
Worster, Geo. W., seed potatoes.....	55 00	
		<u>\$213 03</u>

Disinfectants:

Sweet, Caldwell, Co.....	\$ 2 25	
Thurston & Kingsbury.....	2 00	
West Disinfecting Co., Inc.....	220 49	
		<u>\$224 74</u>

Veterinary and Horse Shoeing:

Dwinal, C. F., D. V. S., veterinary.....	\$12 50	
Grant, Asa T., horse shoeing.....	81 75	
Leighton, Leland & Grant, horse shoeing	6 25	
Murch, Alfred L., M. D. V., veterinary....	5 00	
Welch, C. E., horse shoeing.....	24 25	
		<u>\$129 75</u>

Fertilizer:

Fire Dept., dressing.....	\$44 00	
Morison Bros., phosphate.....	68 95	
		<u>\$112 95</u>

Equipment:

Dunning, R. B. & Co., farming tools.....	\$35 99	
Knowles & Dow, mowing machine.....	48 00	
Madden, M. J., Harness Co., hames.....	2 25	
Noyes & Nutter Mfg. Co., cans.....	1 50	
Rice & Miller Co., wrenches and shovels..	5 45	
Schwartz' Sons, M. saws.....	19 62	
Utterback-Gleason Co., blankets, plush robe, etc.....	19 51	
Vose, P. H. Co., milk pails.....	81	
		<u>\$133 13</u>

Charities—Continued

Stock:

Hughes, Murtagh, pigs.....	\$20 00
Perry, John H., treas., Holstein Fresian Bull.....	110 00
Webster, John T., Plymouth Rock cockerel.....	2 00
	<hr/> \$132 00

Insurance:

Freeland-Mann Co., hay—Webster Ave.	\$3 96
-------------------------------------	--------

Pipes and Tobacco:

Bangor Cigar Mfg. Co., tobacco.....	\$87 43
Cassidy, John, Co., tobacco and pipes.....	36 92
Hayward, Chas. & Co., tobacco.....	72 69
Savage, L. W., tobacco.....	32 50
	<hr/> \$229 54

All Other:

Adams Dry Goods Co., paper, tablets.....	\$11 80
Bangor Pub. Co., advertising for a man...	1 50
Bass, J. P. Pub. Co., advertising sale of pigs and hay.....	4 23
Bean, W. A., killing and cutting hogs, curing hams.....	11 21
Berry & Smith, canvas cover for reaper...	9 00
Burr, The T. W., Ptg. & Adv. Co., print- ing signs "No shooting, etc.".....	7 20
Dillingham, E. F., indelible ink.....	2 65
Dunham-Hanson Co., harness polish, oil, etc.....	4 38
Dunning, R. B. & Co., oil, bug death, etc.	31 28
Fire Dept., charges for extinguishers.....	1 50
Foley, J. E. Co., empty hogshead.....	1 50
Haynes & Chalmers Co., razor.....	1 50
Holstein Fresian Assn. of America, registry of calf.....	2 00
Joy, A. W. Co., curing hams.....	88
Klatt, L. E., stamps.....	1 50

Charities—Continued

Knowles & Dow, oil, twine, etc.....	12 90	
Maine Central R. R. Co., freight on empty pig crates.....	27	
New England Tel. & Tel. Co.....	53 44	
Pfaff, Adolf, eye glasses.....	1 30	
Porter-Parsons Co., laundry.....	116 12	
Rice & Miller Co., razor, oil.....	2 80	
Riker Drug Stores, clearmist.....	1 11	
Savage, L. A., shavings.....	16 50	
Schwartz' Sons, M., solarine polish.....	1 25	
Smith & West, battery and labor on medical apparatus.....	50	
Snow & Nealley Co., rope and axle grease	21 72	
Standard Oil Co., of N. Y., kerosene oil...	4 40	
Staples & Griffin, candy.....	90	
Sullivan, Dan T., journals and pads.....	5 00	
Supply Dept., pads and mucilage.....	80	
Sweet, Caldwell, Co., salt petre, peg leg, etc.....	8 25	
Utterback-Gleason Co., harness soap.....	1 25	
Wescott, Geo. I & Son, bag.....	15	
Whitman, Henry F., shavings.....	2 00	
Wood & Bishop Co., flue scraper.....	10	
Woolworth, F. W. Co., mouse traps, tree decorations.....	1 25	
		<u>\$344 14</u>
Credit: Hay transfer.....	19 22	
		<u>324 92</u>
Total almshouse.....		\$15,241 46

Outside Relief by City:

Groceries and Provisions:

Anderson, A. F.....	\$40 00
Blake, Wm. H.....	10 00

Charities—Continued

Burrill, H. G.....	5 00
Chapman, G. A.....	170 00
Constantine, B. C.....	5 00
Drummond, F. H.....	15 00
Fleming, John F.....	330 00
Foley, J. E. Co.....	425 00
Fox, Elmer R.....	15 00
Gallagher, T. F.....	200 00
Gilman, L. W.....	1 10
Hickson, R. & Sons.....	685 00
Higgins, Edward.....	5 00
Jellison, H. E. & Co.....	50 00
Jones, F. S. & Co.....	260 00
Jordan, R. C.....	75 00
Kane, A. H.....	125 00
Leavitt, Solomon.....	9 91
Lord Bros.....	8 00
Matheson, W. D.....	228 69
McDonald, H. E.....	5 00
McGrath, D. J.....	638 85
O'Connell Bros.....	199 97
Peterson, C. H.....	10 00
Piper, E. F.....	95 00
Robinson, S. H. & Son.....	185 00
Rooney, Daniel.....	4 88
Simpson, F. L.....	30 00
Smith, N. P.....	5 00
Speed, Clarence.....	5 00
Spencer, E. F.....	22 00
Staples & Griffin.....	764 96
White, W. F.....	134 26
Whitman, N. W.....	25 00
Winchester, C. F.....	5 00
	<hr/>
	\$4,792 62

Fuel:

Charity Dept.—City Farm, wood.....	\$640 00
Stickney & Babcock Coal Co., coal.....	15 50
	<hr/>
	\$655 50

Charities—Continued

Dry Goods, Clothing, Boots and Shoes:

Brewer, City of, shoes.....	\$ 4 50
Clark, Chas. E., clothing.....	1 25
Freese, A. Langdon, clothing.....	81 98
Good Samaritan Home, clothing.....	2 00
Hale, C. B. & Co., clothing.....	9 35
Leavitt, Eben, clothing.....	2 94
New York Syndicate, clothing, shoes.....	331 67
Nichols, E. C. Dry Goods Co., clothing, dry goods.....	4 37
Sawyer Boot & Shoe Co., boots and shoes.....	226 32
Standard Clothing Co., clothing.....	29 45
Stover & Prilay Shoe Co., shoes.....	4 65
Wood & Ewer Co., dresses.....	2 75
	————— \$701 23

Medical Attendance and Medicine:

Brown, A. A., M. D., insane cases.....	\$ 9 00
Bryant, Bertram, M. D., insane cases.....	6 00
Buckley Drug Co., prescriptions.....	17 25
Cox, J. F., M. D., insane case.....	3 00
Crane, Harold H., M. D., insane case.....	3 00
Eastern Maine General Hospital, X-Ray	62 00
East Side Pharmacy, medicine.....	1 25
Edmunds, C. D., M. D., insane cases.....	9 00
Fifield & Co., prescription.....	6 50
Gilman, L. W., medicine.....	1 00
Hunt, Barbara, M. D., insane cases.....	3 00
Hunt, W. L., M. D., insane cases and medical attendance.....	39 00
King, H. A., M. D., insane cases.....	15 00
Mason, L. S., M. D., insane cases.....	6 00
McDaniel, M. D., insane cases.....	9 00
McNally, W. P., M. D., insane cases.....	9 00
Milliken, H. J., M. D., insane cases.....	24 00
Nealey, Everett T., M. D., insane cases....	6 00

Charities—Continued

Osgood, H. W., M. D., insane cases, medical attendance, medicine.....	52 50
Sanger, Eugene B., M. D., insane cases....	6 00
Sweet, Caldwell, Co., medicine.....	10 95
Taylor, C. J., M. D., insane case.....	3 00
Thomas, C. P., M. D., insane case.....	3 00
Tracy, Mrs. Fred, express on morphine....	79
	<hr/> \$305 24

Board:

Cooper, Mrs. Annie B.....	\$72 00
Frost, Eva M.....	9 00
Good Samaritan Home.....	19 50
McFarland, Angie.....	42 00
Overseers of the Poor.....	1 00
Randall, Mrs. Nellie F.....	54 00
Russell, Mrs. W. T.....	81 99
Towle, Mrs. Mattie.....	96 00
Tracy, Mrs. Fred.....	281 38
	<hr/> \$656 87

Rent:

Cyr, J. S.....	\$10 00
Foley, J. E. Co.....	12 00
Galpert, Harry.....	96 00
Page, Mrs. Moses.....	46 63
Pearl & Dennett Co.....	24 00
Rooney, Daniel.....	20 00
Shapiro, Max.....	96 00
	<hr/> \$304 63

Transportation:

Alexander, F. D., carriage.....	\$ 2 00
Anderson, Peter, auto.....	2 50
Bortell, Lester, carriage.....	1 50
Crowley, Daniel, carriage.....	1 75
Eastern Maine General Hospital, ambu- lance.....	10 00
Eastern Steamship Corporation.....	55 10

Charities—Continued

Kane, Michael, conveyance.....	15 00	
Kimball, C. M., carriage.....	50	
Maine Central R. R. Co.....	186 96	
McTigue, John, carriage.....	1 75	
Murphy, Timothy, carriage.....	2 25	
O'Neil, F. J., carriage.....	1 00	
Portland, City of.....	3 40	
Sanborn, G., carriage.....	50	
Taylor, E. R., Supt. Maine School for Deaf.....	4 10	
Tucker, E. E., ambulance.....	8 00	
		<u>\$296 31</u>

Burial:

Hathorn, R. E.....	\$ 58 50	
Kelleher, John T.....	144 00	
McCart, Wm.....	4 00	
Mount Pleasant Cemetery.....	4 00	
Tucker, E. E.....	32 00	
White, Ralph B.....	45 00	
		<u>\$287 50</u>

All Other:

Bangor Co-Operative Ptg. Co., printing provision slips.....	\$ 6 00	
Bangor Steam Laundry, laundry—Mrs. Haney.....	1 25	
Gilman, H. P., stove for Mrs. Handy.....	5 50	
Hewes, Richard, cash allowed by State....	10 00	
Lindsey, Samuel, cash allowed by State...	10 00	
Maine Central R. R. Co., freight on house-hold goods for Mrs. Alshire.....	31 96	
Outlet Corp., The, dress suit case.....	95	
Overseers of the Poor, cash allowed by State for various paupers.....	100 00	
Peck, Geo. H., cash allowed by State.....	25 00	
Pfaff, Adolf, eye glasses.....	2 25	

Charities—Continued

Porter, Miss Marion, meals en route to Portland.....	2 20	
Reid, C. H., Jr., acknowledging state- ment of J. Lordan.....	1 20	
	<u>196 31</u>	
Total outside relief by city.....		\$8,196 21

Relief by Other Cities and Towns:

Provisions:

Bath, City of.....	\$ 3 00	
Manchester, Town of.....	250 63	
Old Town, City of.....	4 25	
Rockland, City of.....	3 50	
	<u>\$261 38</u>	

Fuel:

Manchester, Town of, wood.....	28 20	
--------------------------------	-------	--

Medical Attendance: and Medicine:

Manchester, Town of.....	\$30 00	
Old Town, City of.....	75	
	<u>31 05</u>	

Rent:

Manchester, Town of.....	16 75	
--------------------------	-------	--

Clothing:

Manchester, Town of.....	10 18	
--------------------------	-------	--

Burial:

Manchester, Town of.....	3 00	
--------------------------	------	--

All Other:

Manchester, Town of, nursing, teams, etc.....	20 10	
--	-------	--

Total relief given by other cities and towns.....	<u>\$370 66</u>	
--	-----------------	--

Charities—Continued

Other Expenses:

Telephone:

New England Tel. & Tel. Co.....	\$26 76
---------------------------------	---------

City Physician:

Salary.....	\$400 00
-------------	----------

SOLDIERS' BENEFITS**Soldiers' Benefits:**

State of Maine:

State pensions.....	\$5,160 00
---------------------	------------

EDUCATION**General Administration:**

Office, Superintendent, Medical, Clerk and Committee:

Superintendent:

Salary.....	\$2,499 96
-------------	------------

Committee:

Salary.....	\$300 00
-------------	----------

Medical Inspectors:

Salary.....	979 74
-------------	--------

Clerk:

Salary.....	565 00
-------------	--------

Total Supt., medical, clerk and committee.....	<u>565 00</u> \$4,344 70
---	-----------------------------

Education—Continued**Office Supplies:**

Bangor Co-Operative Ptg. Co., printing physician's certificates.....	\$ 5 75	
Bass, J. P. Pub. Co., printing cards.....	9 25	
Burr, The T. W. & Adv. Co., letterheads, blotters, etc.....	19 58	
Glass, Chas. H. & Co., printing tardiness	5 75	
	<hr/>	40 33
Total office supplies.....		<hr/> \$40 33

Teachers' Salaries:

High School.....	\$32,881 81
Common School.....	70,071 63

Text-Books and Supplies:**Text-Books:**

Allyn & Bacon.....	\$222 85
American Book Co.....	776 25
Appleton, D. & Co.....	118 11
Babb, Edward E. & Co.....	354 18
Birchard, C. C. & Co.....	100 00
Curtis & Cameron.....	60
Fischer, Carl.....	3 98
Ginn & Co.....	795 63
Hammett, J. L. Co.....	73 74
Heath, D. C. & Co.....	246 65
Houghton, Mifflin Co.....	57 36
Little, Brown & Co.....	78 65
Lyons & Carnahan.....	12 75
MacMillan Co., The.....	415 39
Pitman, Isaac & Sons.....	96
Sanborn, Benj. H. & Co.....	26 55
Scott, Foremans & Co.....	35 50

Text Books and Supplies—Continued

Scribner's Sons, Chas.....	152 10
Silver-Burdett & Co.....	312 88
	\$3,784 13

School Supplies:

Adams Dry Goods Co., bunting.....	\$ 6 18
American Ribbon & Carbon Co., type- writer ribbons, carbon books.....	36 00
Atkinson Mentzer Co., plan forms, record books.....	24 84
Babb, Edward E. & Co., erasers, inkwells, etc.....	240 15
Bangor Co-Operative Ptg. Co., printing school supplies.....	139 05
Bass, J. P. Pub. Co., printing school sup- plies.....	21 75
Bean, O. Crosby, crepe paper, etc.....	90
Beck Duplicator Co., The, Presto machine, typewriter ribbon.....	5 00
Bradley, Milton Co., paper, scissors, etc.	1,022 04
Burr, The T. W. Ptg. & Adv. Co., print- ing blanks.....	25 18
Curtis & Tupper, T. D. pipes and mac- aroni.....	35
Dillingham, E. F., envelopes, journal, etc.....	116 30
Department of the Interior, U. S. Geolog- ical Survey maps.....	7 20
Ditson, Oliver Co., music.....	10 46
Fischer, Carl, music.....	11 45
Fischer, J. & Bro.....	3 74
Freese, A. Langdon, burlap.....	73
Glass, C. H. & Co., letterheads, envelopes, filing cards, etc.....	19 50
Hammett, J. L. Co., paper, pencil sharpeners, etc.....	355 37
Howard & Brown, Grammar school diplomas.....	16 00

Text Books and Supplies—Continued

Jacobs, Walter, music.....	4 55
Kee Lox Mfg. Co., carbons, ribbon coupons.....	62 16
Kenney Bros. & Wolkins, wall atlas.....	28 00
Knott, L. E., Apparatus Co., laboratory supplies.....	114 53
McKinley Pub. Co., maps.....	15 94
Nichols, E. C., Dry Goods Co., kindergarten supplies.....	3 00
Pepper, J. W. & Son, band books.....	4 40
Quayle & Son, Inc., diplomas.....	117 00
Silver-Burdett & Co., pitch pipes and cards.....	21 93
Smith, L. C. & Bros., Typewriter Co., tabulator stops, carriage scales.....	1 20
Star Store, The, chalk.....	8 85
Sullivan, Dan T., paper, note books, etc.	575 48
Sweet, Caldwell, Co., laboratory supplies	32 15
Tracy Music Library, music.....	12 13
Vose, P. H. Co., mugs for kindergarten....	60
Ware, Miss Amy E., charts.....	6 80
Woolworth, F. W. Co., supplies for kindergarten.....	1 13
	3,072 04

Cleaning Material:

Bangor Broom Co., brooms.....	\$14 70
Bangor Cleaning Co., dustbane.....	70 00
Bangor Window & Sign Cleaning Co., dustbane.....	2 25
Cudahy Packing Co., soap polish.....	11 76
Curtis & Tupper, Dutch cleanser, etc.....	3 70
Dunham-Hanson Co., Kildust, mop wringers.....	9 25
Dunning, R. B. & Co., floor brushes.....	16 43
Haynes & Chalmers Co., window brush....	60
Imperial Brush Co., sweepers.....	36 36

Text Books and Supplies—Continued

LeBrocq, P. H., floor brushes.....	33 00	
Pioneer Mfg. Co., dust absorbent.....	23 88	
Rice & Miller Co., brushes, mops, etc.....	68 45	
Savage, T. R. Co., soap, Gold Dust, etc...	37 60	
Somerville Brush Co., brushes.....	27 93	
West Disinfecting Co., liquid soap, etc.....	98 58	
	\$454 49	
Credit.....	63	
		453 86

Furniture and Fixtures:

Rand McNally & Co., steel cases.....	\$64 00	
Remington Typewriter Co., typewriters..	90 00	
Smith, L. C. & Bros. Typewriter Co., typewriters.....	10 00	
		\$164 00

Disinfectants:

Orient Spray Co., Orient spray.....	\$149 75
-------------------------------------	----------

Other Supplies:

Andrews Paper Co., T. paper.....	\$21 50
Brown & White Co., basket ball bladder..	1 00
Burr, The T. W., Ptg. & Adv. Co., print- ing folders, etc.....	48 10
Cannon & Co., directories.....	12 00
Dickey, W. P. & Co., twine.....	1 19
Donham, A. G., Maine Registers.....	5 00
Dunham-Hanson Co., twine.....	3 05
Dunning, R. B. & Co., brush and shovel..	98
Hayward, Chas., & Co., paper towels, etc.....	171 93
Holden Patent Book Cover Co., paper towels, etc.....	151 16
Parker & Wescott, sand.....	1 35
Rice & Miller Co., water pails, copper wire, etc.....	8 28

Text Books and Supplies—Continued

Savage, T. R. Co., T. paper.....	9 50	
Snow & Nealley Co., oil.....	9 85	
Sullivan, Dan T., type cleaner.....	1 00	
Thomas, F. H. Co., tongue depressors.....	7 50	
Wood & Bishop Co., pails, water cooler, etc.....	11 83	
	<hr/>	465 22
Total text-books and supplies.....		<hr/> \$8,089 00

Janitors' Service:

High School.....	\$5,148 36
Common School.....	5,661 69

Fuel and Light:

High School:

Coal:

Stickney & Babcock Coal Co.....	\$2,758 36	
Woodman, J. F. & Co.....	1,032 77	
	<hr/>	\$3,791 13

Wood:

Connor Coal & Wood Co.....	12 00
----------------------------	-------

Gas:

Bangor Gas Light Co.....	123 76
--------------------------	--------

Total high school.....	<hr/> \$3,926 89
------------------------	------------------

Common School:

Coal:

Stickney & Babcock Coal Co.....	\$5,275 76	
Woodman, J. F. & Co.....	594 50	
	<hr/>	\$5,870 26

Fuel and Light—Continued

Wood:

Connor Coal & Wood Co.....	\$451 50
Morrison, Archie D.....	489 75
Nelligan, P. J.....	40 00
Wilson, Herbert L.....	131 00
	<u>\$1,112 25</u>

Gas:

Bangor Gas Light Co.....	6 94
--------------------------	------

Electricity:

Bangor Railway & Electric Co.....	4 31
-----------------------------------	------

Oil:

McDonald, H. E.....	55
---------------------	----

Lamps:

Dunham-Hanson Co., lanterns.....	75
----------------------------------	----

Total common schools.....	<u>\$6,995 06</u>
---------------------------	-------------------

Maintenance and Repairs:

Carpenter Repairs:

Cutter, Leslie W.....	\$ 3 20
Getchell, F. L.....	809 03
Morse & Co.....	27 31
Morse, F. S.....	136 51
Patten, L. P.....	1,127 14
Reid, Geo. W.....	52 51
	<u>\$2,155 70</u>

Painting Repairs:

Atkins Bros.....	\$76 86
Dunham-Hanson Co.....	22 06
Haynes & Chalmers Co.....	25
Lewis, Samuel.....	53 00

Maintenance and Repairs—Continued

Morse & Co.....	23 65	
Rice & Miller Co.....	71 64	
Snow & Nealley Co.....	9 18	
		256 64
Plumbing Repairs:		
Babb, C. H. & Co.....	\$1,259 52	
Blethen, Dyer & Rounds.....	1 75	
		1,261 27
Heating Repairs:		
Babb, C. H. & Co.....	\$304 58	
Blethen, Dyer & Rounds.....	92 91	
Fairbanks Bros.....	2 75	
Maine Plumbing Co.....	44 38	
Noyes & Nutter Mfg. Co.....	21 75	
Penobscot Machinery Co.....	8 31	
Union Iron Works.....	30 90	
Wood & Bishop Co.....	190 31	
		695 89
Cleaning and Material:		
Bangor Cleaning Co., cleaning.....	\$40 88	
Drew, Thomas, washing windows.....	10 00	
Ellis, Mrs. Florence, cleaning.....	4 00	
Finnegan, Wm., cleaning.....	5 00	
Hanson, Mrs. Peter, cleaning.....	6 00	
Hamlin, Elmer E., washing windows.....	14 00	
Hazelton, Mrs. B. E., cleaning.....	8 00	
Masury-Young Co., soap, nodusto, etc...	61 75	
McAvey, Arthur S., washing windows.....	13 60	
McNaughton, A. J., cleaning.....	4 00	
Morrison, Archie D., cleaning.....	4 00	
Russell, Mary, cleaning.....	6 00	
Watson, Chas., cleaning.....	7 00	
Whitmore, Wilbur, cleaning floor.....	75	
		184 98

Maintenance and Repairs—Continued

Other Repairs:

American Seating Co., washers.....	\$ 50
Atkins, Bros., glass, putty, labor.....	44 48
Atkins, A. G., glass, putty, labor.....	11 99
Atwood, Horace W., labor on fire escapes, floors, etc.....	128 50
Babb, C. H. & Co., roof repairs.....	12 25
Bangor Gas Light Co., repairing grate.....	95
Bangor Window Shade Co., shades and repairs.....	61 78
Bragg, N. H. & Sons, bolts.....	74
Dickey, W. P. & Co., material for repairs	2 70
Dole Co., The, electrical repairs.....	70 26
Dore, Willis H., glass and labor.....	1 68
Dunham-Hanson Co., material for repairs	24 06
Dunning, R. B. & Co., material for repairs	48 02
Eldridge, Fred E. Co., glass, putty, labor	20 80
Electric Dept., lamps, etc.....	123 38
Emerson, J. S., mason work.....	63 89
Haynes & Chalmers Co., material for repairs.....	6 82
Hodgkins & Fiske Co., shades and fix- tures.....	71 00
Howard, E. Clock Co., clock repairs.....	64 32
Hutchins, I. M., clock repairs.....	4 00
Lynch, M. & Co., lock repairs and keys...	125 88
McNaughton, A. J., setting glass.....	50
Mooney, Thomas, labor.....	11 25
Morrison, Archie D., repairs.....	60 50
Morse & Co., material for repairs.....	2 44
Pol, Bernhard, clock repairs.....	5 50
Rice & Miller Co., material for repairs.....	1 90
Rogers, Fred, labor on fire-escapes and fences.....	22 50
Snow & Nealley Co., floor finish.....	2 44
Trask, Allan P., clock repairs.....	6 00
Union Iron Works, material for repairs...	75 73
Ward, John M., mason repairs.....	139 99

 1,216 75

Maintenance and Repairs—Continued

Furniture:

Bradbury, C. E., freight on desks and chairs.....	\$ 10 05	
Empire Seating Co., Inc., desks.....	189 00	
Hodkins & Fiske Co., desks and chairs....	84 50	
Hogan & Callan, desks.....	12 75	
Kenney Bros. & Wolkins, desks and black-boards.....	389 15	
	<hr/>	685 45

Typewriter:

L. C. Smith & Bros., Typewriter Co.....	52 50	
---	-------	--

Fire Escape—Palm Street:

Penobscot Machinery Co.....	430 00	
-----------------------------	--------	--

All Other:

Andrews Music House, tuning piano.....	\$ 5 50	
Benard, H. C., moving ashes.....	35 50	
Casey, Francis T., teams and labor.....	46 00	
Crocker, Willis A., nailing up windows, Newbury St. school.....	8 00	
Dickey, W. P. & Co., coal scoop, sash cord.....	1 50	
Dunham-Hanson Co., snow shovels, sidewalk cleaner, etc.....	5 50	
Dunning, R. B. & Co., stillson wrench, etc.....	4 30	
Earle, Wm. H., repairing numberer, die pad.....	3 50	
Gerrity, J. F. & Co., plates for pictures....	15 68	
Gray, Walter, moving ashes.....	3 00	
Harthorn, John G., moving ashes.....	6 00	
Haynes & Chalmers Co., sidewalk cleaner, screw driver.....	4 37	
Heywood Bros. & Wakefield Co., brass lid supports for school desks.....	40	

Maintenance and Repairs—Continued

Howard, The E. Clock Co., coils.....	15 00	
Lewis, H. R. & Co., cleaning out stove pipe.....	1 25	
Maine Plumbing Co., soldering piping.....	75	
McNaughton, A. J., cleaning chimney.....	1 00	
Morrison, Archie D., cleaning vaults, etc.....	154 75	
Nelligan, P. J., banking schoolhouse.....	3 00	
Pol, Bernhard, clock.....	6 50	
Porter-Parsons Co., laundry.....	4 45	
Rice & Miller Co., poultry wire, etc.....	1 33	
Snow & Nealley Co., rope and globes.....	2 51	
Steinert, M. & Sons Co., tuning pianos.....	7 00	
Sweet, Caldwell, Co., Chloride of lime.....	2 00	
Union Iron Works, rubber packing.....	1 20	
Watson, Chas., taking away banking, putting on double windows, etc.....	7 00	
White, S. A., trucking.....	118 75	
		465 74

Total maintenance and repairs.....		\$7,404 92

Manuel Training:**Lumber:**

Cutter, Leslie.....	\$402 63	
Morison & Cushman.....	40 82	
Morse & Co.....	181 27	
Woodman, C. Co.....	29 98	
		\$654 70

Tools:

Greenlee Bros. & Co., chisels and bits.....	\$11 69	
Bragg, N. H. & Sons.....	14 54	
Brown & Sharpe Mfg. Co.....	8 73	
Chandler & Farquhar Co.....	52 89	
Dunham-Hanson Co.....	9 75	
Hall, Edwin O.....	9 80	

Manual Training—Continued

Haynes & Chalmers Co.....	17 42	
Schwartz' Sons, M.....	4 30	
	<hr/>	129 12

Repairs to Tools:

Bangor Welding Co., welding arm lever on drill.....	\$ 2 50	
Cutter, Leslie W., filing saws.....	21 60	
Schwartz' Sons, M., wheel elastic.....	1 08	
	<hr/>	25 18

Miscellaneous Supplies:

Bragg, N. H. & Sons, screws, bolts, etc.....	\$21 37	
Cutter, Leslie W., oil.....	3 00	
Drake, L. S., Inc., reeds and book.....	16 66	
Dunham-Hanson Co., dye, screws, etc.....	54 43	
Gorham, W. H., & Co., blue print paper, etc.....	10 99	
Hall, Edwin O. Co., blue print paper, etc.	9 30	
Haynes & Chalmers Co., screws, glue, etc.	83 67	
Manual Arts Press, The, manuel train- ing books.....	5 00	
Marston & Son, card signs.....	90	
Morse & Co., chain galvanized.....	33	
Penobscot Machinery Co., castings.....	27 24	
Schwartz' Sons, M. waste, emery, etc.....	14 50	
Snow & Nealley Co., machine oil.....	1 75	
Sullivan, Dan T., drawing paper, rulers, ink, etc.....	92 20	
Sweet, Caldwell, Co., bandages, plaster, etc.....	2 84	
Wallace, J. D., castings.....	11 00	
	<hr/>	355 18

Total manual training.....	<hr/>	\$1,164 18
----------------------------	-------	------------

Domestic Science:

Dry Goods:

Adams Dry Goods Co.....	\$58 15	
Freese, A. Langdon.....	1 69	
		<u>\$59 84</u>

Groceries:

Bangor Dairy Co.....	\$22 29	
Burrill, H. G.....	34 01	
Chapman, G. A.....	27 70	
Eureka Market Co.....	28 36	
Fox, Elmer R.....	10 82	
Gallagher Bros.....	31 64	
Hayward, Chas. & Co.....	15 00	
James, J. G.....	28 38	
Lord Bros.....	21 15	
McDonald, H. E.....	27 46	
Murray Bros. Co.....	3 49	
Pearson & Spencer.....	11 31	
Thurston & Kingsbury Co.....	2 00	
Whitman, N. W.....	27 09	
Winchester, C. F.....	15 75	
		<u>\$306 45</u>

Fish:

Jones' Sanitary Market.....	\$3 47	
-----------------------------	--------	--

Laundry:

Porter-Parsons Co.....	\$18 97	
------------------------	---------	--

Milk and Cream:

Lewis, L. L.....	\$46 47	
------------------	---------	--

Ice:

Bangor Ice Co.....	\$15 31	
--------------------	---------	--

Equipment:

Melvin, M. A., sewing machines.....	\$30 00	
Vose, P. H. Co., dishes.....	8 60	
Hodgkins & Fiske Co., sewing tables.....	37 50	
		<u>\$76 10</u>

Domestic Science—Continued

Miscellaneous:

Bean, O. Crosby, patterns.....	\$ 3 25	
Coffin, C. W., patterns.....	1 40	
Dunham-Hanson Co., brown kraft, etc....	5 65	
Freese, A. Langdon, thimbles.....	3 00	
MacMillan Co., The, cook books.....	32 60	
Marston & Son, card signs.....	90	
Melvin, M. A., sewing machine repairs....	4 09	
Rice & Miller Co., paper cutter.....	1 00	
Sullivan, Dan T., order book, files.....	70	
		52 59

Total domestic science.....	\$579 20
-----------------------------	----------

Night School:

Salaries.....	\$801 50
---------------	----------

Supplies:

Books:

American Book Co.....	\$ 7 30	
Ginn & Co.....	17 15	
Heath, D. C. & Co.....	10 77	
Pitman, Isaac, & Sons.....	16 25	
		\$51 47

School Supplies:

Atkinson, Mentzer & Co., record books....	2 58
---	------

Domestic Science:

Bangor Dairy Co., Oleomargarine.....	\$ 5 51
Bangor Ice Co., ice.....	2 99
Burrill, H. G., groceries.....	8 63
Fox, Elmer R., groceries.....	1 92
Gallagher Bros., groceries.....	10 27
Hall, F. T. & Co., groceries.....	1 68
Lewis, L. L., milk and cream.....	3 46

Night School—Continued

McDonald, H. E., groceries.....	3 32	
Murray Bros. Co., flour.....	1 59	
Pearson & Spencer, groceries.....	2 61	
Porter-Parsons Co., laundry.....	1 80	
Winchester, C. F., groceries.....	3 17	
	<hr/>	46 95
Total supplies.....		<hr/> \$101 00

Incidental:

Advertising:

Bangor Publishing Co.....	\$ 90	
Bass, J. P. Pub. Co.....	1 00	
	<hr/>	1 90

Trucking and Freight:

Bradbury, C. E., freight.....	\$52 89	
Curtis, Chas. A., trucking.....	50	
Maine Central R. R. Co., freight.....	30 60	
Murphy, C. H., trucking.....	2 00	
Ridley, F. C., Baggage Transfer Co., trucking and freight.....	32 95	
	<hr/>	118 94

Teams:

Kane, Michael.....		81 50
--------------------	--	-------

Telephone:

New England Tel. & Tel. Co.....		144 58
---------------------------------	--	--------

Insurance:

Baker & Hodge.....	\$ 50 64	
Boyd, J. Herbert.....	101 28	
Curran, Wm. F. Co.....	218 64	
Gallagher, Hugh T.....	75 96	
Kirstein, Louis & Sons.....	139 96	
Lord, Henry & Co.....	135 04	

Incidental—Continued

McClure, J. W. & Son.....	42 20	
Palmer, W. W.....	131 84	
Pearl & Dennett Co.....	118 16	
Singleton, J. F. Co.....	126 61	
Somers, L. W. Co.....	50 64	
Stewart, Chas. M.....	33 76	
Tyler, L. C. & Sons Co., Inc.....	33 76	
		1,258 49
School Census:		
Barry, James E., Ward 5.....	\$20 85	
Boyd, Elmar T., Ward 7.....	46 28	
Congdon, Herbert E., Ward 3.....	39 84	
Ferry, Edward L., Ward 2.....	22 35	
Kent, Benj. C., Ward 1.....	33 27	
Trickey, Harold A. M., Ward 4.....	25 44	
Wark, William L., Ward 6.....	17 69	
		205 72
Base Ball and Foot Ball Outfits:		
Crosby, S. L. Co.....		17 40
Expenses on Trips Out of City:		
Wormwood, D. Lyman.....		141 96
Coach:		
McCann, Thomas A.....		135 00
Office Furniture and Fixtures:		
Remington Typewriter Co., typewriter....	\$20 00	
Royal Typewriter Co., typewriter.....	30 00	
		50 00
Printing:		
Bacon, John H., catalogues, letter-paper, etc.....	\$147 93	
Bangor Co-Operative Printing Co., graduation programs, school direc- tories, etc.....	38 25	

Incidental—Continued

Bass, J. P. Pub. Co., high school song, etc.	5	50
Burr, The T. W. Ptg. & Adv. Co., names and courses in diplomas, pay rolls, etc.	124	10
Furbush Ptg. Co., programs, tickets, etc.	28	63

 344 41

All Other:

Adams Dry Goods Co., bunting for Junior Exhibition.....	\$	2	34
Bangor Pub. Co., making cut.....		5	40
Brown, W. I., tickets.....		6	50
Creamer, W. J., Jr., drawing of music.....		6	50
Currier, Harold N., arranging class ode for orchestra.....		3	00
Dennett, Louis B., trip to Waterville, speaking contest.....		2	80
Dillingham, E. F., census indexes.....		41	00
Dunham-Hanson Co., twine, casters, etc.		1	88
Earle, Wm. H., rubber stamps, engraved seal.....		7	90
Educational Specialties, Inc., douban sticks.....		16	80
Fischer, J. & Bro., rent of music.....		1	66
Freese, A. Langdon, ribbon.....		25	47
Gerrity, J. F. & Co., picture.....		9	00
Goldthwait, John, taking tickets at graduation.....		1	50
Gray, Edgar W., labor on stage.....		25	00
Gray, Lee T., trip to Waterville, speaking contest.....		1	69
Humphrey, Miss Mabel A., address to teachers.....		25	00
Littlefield, Miss E. Gale, rent of music.....		2	00
Longmans, Green & Co., wall picture.....		1	00
Marston & Son, drilling glass sign and furnishing chain.....			75
Morrison, A. D., Xmas trees.....		8	95
O'Neil, Harry D., services in orchestra....		3	00

Incidental—Continued

Orient Spray Co., atomizers.....	2 62	
Porter-Parsons Co., filter bags.....	4 90	
Rogers, S. L., re-lacquering loving cups....	3 00	
Scribner, Miss Stasia J., trip to Waterville speaking contest.....	5 80	
Ryan, Michael J., speaking contest.....	2 80	
Ryan, Frank, paper punch.....	1 00	
Supply Dept., voucher covers.....	5 70	
Towle, J. N. & Co., salt.....	75	
Wentworth, A., surveying wood.....	3 00	
Whipple, Leyland, negatives.....	40 50	
	<u>269 21</u>	
Total incidental.....		\$2,769 11

Conveyance:

Conveyance:

Colburn, Edwin S.....	\$280 00	
Smith, Mrs. F. H. C.....	280 00	
	<u>560 00</u>	
Total conveyance.....		\$560 00

Water:

Drinking Cups:

Leys, Clifford.....	\$52 44	
Stone & Forsyth Co.....	35 19	
	<u>87 63</u>	
Total water.....		\$87 63

Rent of Buildings for School Purposes:

Rent for Kindergartens:

Fessenden, C. P.....	\$ 61 25	
Hoyt, Robert W.....	325 00	
Small, Mrs. M. L.....	25 00	
		411 25

Rent of buildings for school purposes.....	\$411 25
--	----------

LIBRARIES**Libraries:**

Appropriation by the City.....	\$9,000 00
Granted by State.....	830 00

RECREATION**Parks and Gardens:**

Maintenance and Operation:

Salaries.....	\$3,524 42
---------------	------------

Supplies:

Dunning, R. B. & Co., lawn seed, fertilizer, etc.....	\$47 40	
Eastern Cement Co., cement.....	5 25	
Haynes & Chalmers Co., oil and can.....	45	
Hughes, Murtagh, sand.....	4 00	
Largay, J. E., loam.....	20 00	
McCarthy, Hugh T., dressing.....	7 50	
New England Home & Land Co., sods.....	9 00	
Snow & Nealley Co., paint, rope, etc.....	8 02	
Water Dept., gate valve.....	5 00	
Woodman, C. Co., lumber.....	3 80	
		110 42

Parks and Gardens—Continued

Repairs:

Dunning, R. B. & Co., repairs for mower..	\$6 14	
Haynes & Chalmers Co., repairs for mower	1 28	
Leen, J. Albert, sharpening lawn-mowers	23 00	
McKenney, Galen, filing saws, etc.....	5 55	
Sweeney Bros., repairs to fountains.....	28 58	
Union Iron Works, repairs to mower.....	2 00	
		<u>66 55</u>

Equipment:

Conant, C. M. Co., spray pump.....	\$ 3 75	
Dunning, R. B. & Co., lawn mowers and garden barrow.....	35 60	
Haynes & Chalmers Co., rakes, grass shears, etc.....	8 38	
McKenney, Galen, bull saw.....	1 00	
		<u>48 73</u>

Plants:

Allen, Mrs. T.....	\$104 25	
Kelleher, James.....	38 64	
		<u>142 89</u>

Little City Park:

Highway Dept.....		100 00
-------------------	--	--------

All Other:

Haynes & Chalmers Co., zinc oilers, etc...	\$ 2 52	
Hughes, M., team.....	6 50	
McCarthy, Hugh T., trucking.....	10 00	
Sullivan, Dan T., ledgers.....	2 00	
Supply Dept., vouchers, req. books.....	88	
		<u>21 90</u>

Total parks and gardens.....		<u>\$4,014 91</u>
------------------------------	--	-------------------

Moth Extermination:

Salaries.....		\$772 51
---------------	--	----------

Making and Mailing Notices:

Stinson, E. C.....		75 00
--------------------	--	-------

Printing Notices:

Bacon, John H.....		28 50
--------------------	--	-------

All Other:

Bangor Rubber Stamp Co., rubber stamp	\$	30	
Dunning, R. B. & Co., tree pruners.....		4 50	
Snow & Nealley Co., rope.....		6 71	
Supply Dept., pay roll.....		30	
			<u>11 81</u>

Total moth extermination.....		\$887 82
-------------------------------	--	----------

Celebrations and Entertainments:

Band Concerts:

Bangor Band.....		\$600 00
------------------	--	----------

All Other:

Concerts—Fourth of July:

Bangor Band.....		\$100 00
------------------	--	----------

UNCLASSIFIED**Damages to Persons and Property:**

Damages to Property:

Boudreau, Odilon	\$	50 00
Deane, James.....		300 00

UNCLASSIFIED—Continued

Grindle, A. W.....	5 00
Libby, Alvah M.....	200 00
Smith, Minnie Marble.....	1,050 00
Thornton, J. D.....	26 75
	<hr/> \$1,631 75

Injury to Persons:

Dodge, Wm.....	241 70
----------------	--------

Total damages to persons and property.....	<hr/> \$1,873 45
---	------------------

Memorial Day:

Curtis, A. G. Quartermaster.....	\$300 00
----------------------------------	----------

Contingent—Payments not included in Other Classification:

Harbor Master:

Salary.....	\$400 00
-------------	----------

Superintendent of Clocks:

Salary.....	\$150 00
-------------	----------

Pump Repairs:

Cameron, G. F.	\$ 1 00
Conant, C. M. Co.....	70 39
Derby, G. B. Co.....	2 25
Dunning, R. B. & Co.....	41 44
Eastern Cement Co.....	2 35
Hines, M. F.....	185 60
Kavanaugh, Bartley.....	13 50
Kelley, Stephen P.....	6 75
Mason, John & Son.....	1 50
O'Hearn, Cornelius.....	25 87
Pay roll.....	67 50

UNCLASSIFIED—Continued

Supply Dept.....	15	
Towle, J. N. & Co.....	2 44	
		420 74
Pensions:		
Bell, Michael.....	\$168 15	
Blake, Elisha S.....	300 00	
Collins, Dennis.....	1 79	
Curran, Nicholas.....	13 39	
Hurley, Miss Annie E.....	62 50	
Loftus, John.....	118 74	
McDonald, Mrs. Ellen.....	191 67	
Toole, Michael.....	300 00	
		1,156 25
Care of Children—County Agent:		
Arnold, Walter, board—Edna Page.....	\$ 3 00	
Benson & Co., dress goods—Edna Page..	3 75	
Besse-Ashworth Co., clothing, shoes, rubbers.....	29 59	
Clark, Chas. E., clothing.....	38 08	
Coombs, Mrs. Annie L., board—Mary Aranovitch.....	10 00	
Dolliver, Mrs. B. J., shoes.....	2 98	
Freese, A. Langdon, clothing.....	69 14	
Good Samaritan Home Assn., board— Ava Bryant.....	24 00	
Grant, Mrs. Weldon, board of Edna Page and Mary Aranovitch.....	44 00	
Hall, Miss E. Carrie, making dress for Edna Page.....	3 50	
Hamm, Mrs. Flora E., board of Haney children.....	181 07	
Hazelton, Mrs. Lillian A., board of Clara Page.....	105 39	
Hazelton, Mrs. Nellie, board of Clara Page.....	37 89	

UNCLASSIFIED—Continued

Hunt, W. L., M. D., examination mental condition of Clarence Haney.....	2 00	
Hussey, Mrs. E. A., board of Clarence Haney.....	22 75	
Lambert, Barbara, board of Mary Aranovitch.....	45 00	
Lawrence, Mrs. Frank, board of Edna Page.....	35 00	
Leavitt, Eben, galatea.....	1 36	
Mosher, Mrs. Chas., board of Edna Page	15 00	
New York Syndicate, clothing, shoes.....	7 44	
Nichols, E. C. Dry Goods Co., clothing, shoes, dry goods.....	33 93	
Osgood, H. W., M. D., examination mental condition, Clarence Haney.....	2 00	
Porter, Miss Marion, conveyance, etc.....	10 95	
Quinn, Eddie M., auto hire.....	3 00	
Randall, Mrs. Francis, board of John White.....	3 75	
Ray, Mrs. Annie, board.....	9 00	
Robinson, June B., M. D. S., filling teeth for Edna Page.....	4 00	
Sawyer Boot & Shoe Co., shoes and rubbers.....	24 55	
Skinner, Otis, Optical Co., glasses for Edna Page.....	9 00	
Standard Clothing Co., clothing.....	4 68	
Sweet, Caldwell, Co., prescription for Edna Page.....	50	
Winslow, Mrs. A. R., board of Violet Crocker.....	6 00	
Wood & Ewer Co., clothing.....	33 63	
		825 93
City Sealer:		
Dugan, P. T. & Co., alligator bag.....	\$15 75	
Gurley, W. & L. E., seals, receipt books, guages, etc.....	7 62	
		23 37

UNCLASSIFIED—Continued

Band Stand:	
Barker & Gray, labor and material.....	\$52 34
Dunham-Hanson Co., raw oil.....	80
Hines, M. F., painting.....	4 00
Kelley, Stephen P.....	2 25
Rice & Miller Co., bronzite.....	2 15
	<hr/>
	61 54
Investigating Committee:	
Durgin, Miss Marion.....	59 40
City Council Orders:	
Treasurer Second Maine Regiment.....	100 00
Silent Policemen:	
Haynes & Chalmers Co., lanterns and globes.....	\$23 03
Kelley, E. F. & Sons, pipe and labor.....	2 68
Lewis, H. R. & Co., soldering lanterns.....	70
Maynard, Albert, freight.....	3 68
Nason, David J., express.....	29
Standard Oil Co., of N. Y., kerosene oil....	9 63
Traffic Sign Co., silent policemen and lan- tern brackets.....	35 70
	<hr/>
	75 71
Annual Reports:	
Burr, The T. W. Ptg. & Adv. Co.....	855 25
Water Furnished Charitable Institutions:	
Water Dept.....	2,360 00
All Other:	
Bacon, John H., printing circular letters, milk inspector.....	\$16 27
Bangor Pub. Co., advertising meetings....	32 52
Bartlett, C. H., Attorney, suits against city by Insurance Companies.....	72 96

UNCLASSIFIED—Continued

Burr, The T. W. Ptg. & Adv. Co., printing postal cards, dog officer.....	6 75
Byrnes, P. J., Insurance on Court St. building.....	45 40
Cameron, Geo. F., et als., referee charges, Perley Hewes' sheep.....	7 68
Cannon & Co., directory for milk inspector.....	3 00
Central Motor Co., auto to serve notices of special meeting of City Council.....	5 00
Dunham-Hanson Co., screw eyes for street signs.....	20
Eldridge, Fred E. Co., repairs on City Hall clock, etc.....	9 41
Eureka Market Co., damage caused by overflow of sewer.....	14 57
Gamble, David E., repairing clocks.....	22 00
Grant, Mrs. F. D., skirt torn on City's ash can.....	8 00
Higgins, Paul D., referee charges—Perley Hewes' sheep.....	3 32
Hines, M. F., express and trucking.....	5 02
Kelley, Andrew, Carriage Co., repairs on Mt. Pleasant hearse.....	60 21
Lord, Henry & Co., insurance on Court St. and Second St. buildings.....	38 38
Maine Central R. R. Co., transportation of old soldier.....	1 90
Mansur, Wilfred E., appraising City Hall	10 00
Mason, John & Son, Mt. Pleasant hearse repairs.....	46 50
Morse & Co., boards for skating rink, street signs.....	15 44
Nelson, Otto, appraising City Hall.....	10 00
Pay roll, appraisers on sheep.....	7 50

UNCLASSIFIED—Continued

Pearl & Dennett Co., insurance on Court St. building	21 70	
Philbrick, Herbert, carting chairs.....	50	
Pierce, Henry O., services in supply office.....	39 00	
Stewart, Chas. M., trimming City Hall for State Grange.....	15 00	
Stewart, Harry D., expense of service of action of City vs. F. E. Pressey, et als.	41 86	
Wilbur, Geo. H. & Son, appraising City Hall.....	10 00	
Bass, J. P. Pub. Co., advertising special meeting.....	4 17	
	<u>574 26</u>	
Less: Credit.....	2 00	
	<u>572 26</u>	
Total contingent.....		\$7,060 45

PUBLIC SERVICE ENTERPRISES

Electric Department:

Maintenance and Operation:

Salaries and wages..... \$14,629 32

Fire Alarm:

American Express Co., express.....	\$ 1 45
Cutter, Leslie W., pine and labor.....	65
Derby, G. B. Co., trucking.....	65
Dole Co., The, electrical supplies.....	90 74
Dunning, R. B. & Co., pipe, couplings, etc.....	3 96

Electric Department—Continued

Electric Storage Battery Co., B. T. elements.....	76 67	
Gamewell Fire Alarm Telegraph Co., fire alarm box, etc.....	177 80	
Maine Central R. R. Co., freight.....	1 17	
Pendleton, C. E., wire, cleats, screws.....	1 08	
Penobscot Machinery Co., hammers.....	5 40	
Wetmore-Savage Co., iron boxes.....	7 54	
	\$367 11	
Credit.....	2 40	
		\$364 71
Police Signals:		
American Express Co., express.....	\$ 29	
Derby, G. B. Co., trucking.....	25	
Dole Co., The, supplies.....	15	
Eastern Steamship Corp., freight.....	93	
Gamewell Fire Alarm Telegraph Co., police box, pole, repairs.....	63 19	
Sweet, Caldwell, Co., sal ammoniac	12 40	
	\$77 21	
Credit	28 20	
		\$49 01
Team Equipment:		
Carr, W. E., iron hangers for wagon.....	\$ 3 25	
Cutter, Leslie W., repairs.....	4 60	
Dwinal, C. F., D. V. S., veterinary.....	3 50	
Grant, Asa T., horse shoeing.....	22 25	
Hopkins, A. R. Co., grain.....	75 92	
Jennison, W. A., grain.....	4 35	
Madden, M. J., Harness Co., harness repairs.....	5 10	
McLean, T. E., horse shoeing.....	2 50	
Moor, Geo. L. & Son, hay and straw.....	14 88	
Morse & Co., corner hay rack, salt brick..	2 82	
Pinkham, Ausba F., hay and straw.....	7 35	

Electric Department—Continued

Ryan, Frank.....	5 85	
Smith, P. J., hay.....	23 09	
Snow & Nealley Co., castor oil.....	50	
Spellman, James F. & Sons, hay.....	18 35	
Thoms, H. B., repairs to express wagon...	22 50	
		\$216 81

Inside Wiring:

American Express Co., express.....	\$ 2 07	
Derby, G. B. Co., trucking.....	2 00	
Dole Co., The, electrical supplies.....	52 39	
Eastern Steamship Corp., freight.....	3 64	
General Electric Co., units.....	4 85	
Haynes & Chalmers Co., wire staples, screws.....	2 84	
Maine Central R. R. Co., freight.....	1 04	
Pendleton, C. E., connectors, repairs.....	32 21	
Penobscot Machinery Co., water heater..	15 00	
Pettingell-Andrews Co., wire, fuses, globes.....	149 16	
Smith & West, snap switches.....	1 20	
Stuart-Howland Co., glass jars.....	1 32	
Wetmore-Savage Co., shade holders, paint, etc.....	24 28	
		\$292 00
Credit.....	63 83	
		\$228 17

Line Material:

American Express Co., express.....	\$ 3 65
Bragg, N. H. & Sons, hardware.....	5 32
Derby, G. B. Co., trucking.....	10 75
Dickey, W. P. & Co., car bits.....	2 25
Dole Co., The, electrical supplies.....	30 86
Dunning, R. B. & Co., hardware.....	55
Eastern Cement Co., cement.....	3 15
Eastern Steamship Corp., freight.....	13 11

Electric Department—Continued

General Electric Co., transformers, Street brackets.....	91 21
Haynes & Chalmers Co., bolts and screws	7 19
Maine Central R. R. Co., freight.....	9 53
Pettengill-Andrews Co., wire, fixtures, etc.....	1,057 04
Stuart-Howland Co., wire, fixtures, etc...	245 97
Union Iron Works, castings, brackets.....	7 04
Wahn, Geo. H. Co., cable.....	66 83
Wetmore-Savage Co., arms, fixtures, etc.	208 76
Wood & Bishop Co., circular tin, etc.....	5 90
	<hr/> \$1,769 11

Insurance:

Baker & Hodge.....	\$ 7 00
Boyd, J. Herbert.....	94 62
Bright, J. M.....	31 75
Gallagher, Hugh T.....	16 20
Harvey, E. Earle.....	27 50
Lord, Henry, & Co.	13 50
Kirstein, Louis & Sons.....	13 56
Palmer, W. W.....	25 00
Pearl & Dennett Co.....	7 00
Stewart, Chas. M.....	9 00
	<hr/> \$245 13

Power Station:

Adams Dry Goods Co., T. paper.....	\$ 5 75
American Express Co., express.....	1 29
Arnold, J. M., Shoe Co., boots	3 55
Austin Separator Co., separator and steam trap.....	122 25
Babcock & Wilcox Co., gaskets.....	2 50
Bangor Broom Co., brooms.....	1 00
Bragg, N. H. & Sons, hardware.....	54 15
Bryant, W. C., repairing clock.....	1 00
Burr, The T. W. Ptg. & Adv. Co., print- ing daily station reports.....	17 50
Cutter, Leslie W., repairs.....	78
Derby, G. B. Co., trucking.....	13 25

Electric Department—Continued

Dickey, W. P. & Co., sand paper, level.....	1 80
Dole Co., The, electrical supplies.....	5 82
Dunning, R. B. & Co., hardware, cement, paint, etc.....	46 41
Garlock Packing Co., packing.....	60 34
Haynes & Chalmers Co., material for repairs.....	7 72
Keystone Lubricating Co., grease.....	110 40
Lombard-Governor Co., leather cups, oil, etc.....	98 32
Maine Central R. R. Co., freight.....	17 44
O'Connor, C. G., wipers.....	32 04
Pendleton, C. E., batteries.....	80
Penobscot Machinery Co., repairs.....	459 57
Platt Iron Works, copper rivets.....	4 00
Porter-Parsons Co., rags and washing rags.....	21 04
Robinson, Wm. C. & Son Co., oil.....	48 88
Schwartz' Sons, M., cotton waste, solarine polish, etc.....	131 82
Shannon & Carver, sharpening chisels.....	45
Snow & Nealley Co., oil, grease, etc.....	72 79
Standard Oil Co. of N. Y. kerosene oil.....	6 75
Sweet, Caldwell, Co., corks.....	30
Taylor, Abner, carborundum stone.....	1 00
Thompson Mfg. Co., cogs.....	35 56
Union Iron Works, steel, grease.....	49 10
Vacuum Oil Co., grease, oil.....	123 71
Water Dept., heating power station.....	215 79
Westinghouse Electric & Mfg. Co., car- bon brushes, springs.....	26
Wood & Bishop Co., drip pan.....	24
Woodman, C. Co., lumber.....	2 92
	<hr/>
	\$1,778 29
Credit, account bridges.....	300 00
	<hr/>
	\$1,478 29

Electric Department—Continued

Sub Station:

Adams Dry Goods Co., T. paper.....	\$ 5 75
Bangor Broom Co., brooms.....	80
Bangor Gas Light Co., gas.....	6 02
Bangor Vulcanizing Co., gasoline.....	1 30
Bragg, N. H. & Sons, steel, hardware.....	9 57
Cassidy, John Co., Gold Dust, fly paper..	4 45
Columbia Towel Supply Co., towels.....	12 00
Cutter, Leslie W., ladder, repairs.....	9 93
Derby, G. B. Co., trucking.....	25
Dickey, W. P. & Co., twine.....	20
Dunning, R. B. & Co., mops, pails, hardware, etc.....	8 73
Dole Co., The, batteries, lamp.....	77
Fire Dept., sponge.....	25
Fleming, John F., kerosene oil, brooms...	5 55
General Electric Co., charts.....	3 91
Greenfield Tap and Die Corp., die.....	5 57
Haynes & Chalmers Co., bits, paint, etc...	9 24
Highway Dept., iron work on ladders.....	1 50
Hodgkins & Fiske Co., linoleum.....	175 00
Mathias-Hart Co., bolt cutters covered...	4 00
Rice & Miller Co., material for repairs.....	16 64
Schwartz' Sons, M., files, screws, etc.....	15 22
Snow & Nealley Co., rope.....	17 94
Sweet, Caldwell Co., rubber gloves.....	1 00
Vose, P. H. Co., scrub brushes.....	40
Wetmore-Savage Co., testing bell.....	12 17
Wood & Bishop Co., tin oil guards.....	2 75
Woodman, C. Co., spruce boards.....	4 48
	<hr/>
	\$335 39

Telephone:

New England Tel. & Tel. Co.....	\$129 96
---------------------------------	----------

Electric Department—Continued

Coal and Wood:

Connor Coal & Wood Co., wood.....	\$ 8 00
Stickney & Babcock Coal Co., coal.....	755 27
Woodman, J. F. & Co., coal.....	356 24
	—————\$1,119 51

Lamps Incandescent—Street Series:

Dole Co., The.....	\$914 76
--------------------	----------

Lamps Multiple in Buildings:

Dole Co., The.....	\$609 79
Credit transfers.....	405 15
	————— \$204 64

Arc Lights:

American Express Co., express.....	\$ 4 92
Cutter, Geo., Co., holders	5 97
Derby, G. B. Co., trucking.....	3 25
Dunning, R. B. & Co., brushes.....	1 63
General Electric Co., magnets, electrodes, globes, etc.....	660 50
Maine Central R. R. Co., freight.....	14 70
Pettingell-Andrews Co., globes, carbons..	404 88
Wetmore-Savage Co., globes.....	83 02
Wood & Bishop Co., arc light tins.....	2 20
	—————\$1,181 07

Miscellaneous:

Bacon, John H., envelopes and printing..	\$12 00
Bangor Gas Light Co., repairing broken light.....	2 99
Cannon & Co., directory.....	3 00
Gage Publishing Co., subscription to electrical record.....	4 00
Glass, C. H. & Co., letterheads.....	3 75
Sullivan, Dan T., binders, pens.....	6 40
Supply Dept., office supplies.....	8 20
	————— \$40 34

Electric Department—Continued

Auto Maintenance:

Bangor Motor Co., spark plugs.....	\$ 4 00	
Bangor Vulcanizing Co., gasoline, oil, repairs.....	152 46	
Bragg, N. H. & Sons, oil, oil feeder, etc...	10 25	
Crosby, S. L. Co., oil, repairs.....	93 83	
Cutter, Leslie W., auto repairs.....	2 65	
Dole Co., The, lamps, switch, etc.....	9 87	
Dunning, R. B. & Co., copper tubing.....	1 32	
Ebbeson, Arvid L., battery.....	20 00	
Gerrity, J. F. & Co., glass for wind shield	2 50	
Haynes & Chalmers Co., glass.....	10	
Hines, M. F., painting auto.....	15 00	
Madden, M. J., Harness Co., leather	90	
McNeil, Leo E., auto repairs.....	39 55	
State of Maine, auto registration and licenses.....	14 08	
Strout's Ford Garage, repairs.....	19 90	
United States Tire Co., tires.....	67 87	
Wetmore-Savage Co., repairs.....	9 00	
Wood & Bishop Co., repairs.....	2 30	
		465 58

Total electric department.....	\$23,371 80
--------------------------------	-------------

Water Department:

Maintenance and Construction:

Expense:

Addressograph Co., addressograph, tabs, etc.....	\$473 32
Arnold, J. M. Shoe Co., rubber boots.....	21 24
Atkins Bros., painting water works buildings.....	254 37
Babb, C. H. & Co., repairs.....	31 15

Water Department—Continued

Baker & Hodge, insurance.....	66 88
Baker-Vawter Co., binders, loose leaves, etc.....	115 57
Bangor Brick & Construction Co., brick..	24 00
Bangor Broom Co., brooms.....	7 44
Bangor Co-Operative Ptg. Co., printing forms, cards, etc.....	72 75
Bangor Ice Co., ice.....	12 50
Bangor Motor Co., gasoline, tire pump, etc.....	11 08
Bangor Pub. Co., advertising water rates	62 00
Bangor Railway & Electric Co., gravel, electricity.....	10 75
Bangor Vulcanizing Co., tires, tubes, etc.	85 71
Bass, J. P. Pub. Co., advertising water rates.....	107 64
Bond, Harold L., Co., hose and fittings, derrick, etc.....	161 17
Boyd, J. Herbert, insurance.....	34 50
Bracey, Frank, care of standpipe.....	24 00
Bradbury, C. E., trucking.....	28 75
Bragg, N. H. & Sons, hardware.....	152 45
Brewer, City of, tax.....	30 90
Bright, J. M., insurance.....	61 20
Bright, W. I., relief for money paid out....	2,032 80
Builders Iron Foundry, cross and reducers	27 50
Burr, The T. W. Ptg. & Adv. Co., print- ing forms, etc.....	173 25
Burroughs Adding Machine Co., adding machine.....	122 50
Byrnes, P. J., insurance.....	66 86
Caird, James M., services of self and assistant.....	5,029 56
Cannon & Co., directories.....	6 00
Carter, Ralph & Co., meter repairs.....	4 75
Carr, W. E., auto and wagon repairs.....	10 60
Cassidy, T. F. & Son, ash poles, bolts.....	16 50

Water Department—Continued

Chadwick-Boston Lead Co., lead.....	315 47
Chandler & Co., rubber matting, etc.....	1 75
Chapin, Arthur, Co., kerosene oil, soap powder.....	43 03
Citizens Ice Co., ice.....	49 10
Clifford, Fred H., readers, etc.....	19 10
Columbia Towel Supply Co., towels.....	13 80
Connor Coal & Wood Co., wood.....	4 00
Cort, Fred, charcoal.....	26 00
Crossman, W. B., wood.....	8 00
Curran, Wm. F. Co., insurance.....	122 40
Cutter, Leslie W., repairs.....	7 35
Davison, Wm. L., voucher files, straps....	15 00
Dillingham, E. F., office supplies.....	55 88
Doherty, J. F., concreting.....	7 65
Dole Co., The, repairs.....	104 50
Donovan, T. G., treas., water loan sink- ing fund	5,020 20
Dunham-Hanson Co., material for repairs	24 06
Dunning, R. B. & Co., pipe, hardware, etc.....	219 81
Eagle Oil & Supply Co., perolin.....	54 45
Earle, Wm. H., rubber stamps.....	6 79
Eastern Cement Co., cement.....	24 50
Eastern Fuel Co., wood.....	9 00
Ebbeson, Arvid L., battery.....	26 56
Eddy Valve Co., valves.....	720 38
Eldridge, Fred E. Co., painting.....	362 43
Electric Dept., lamps and electrical sup- plies.....	50 55
Electro Bleaching Gas Co., chlorine and cylinders.....	1,179 43
Fairbanks Bros., roof repairs.....	3 88
Freeland-Mann Co., insurance.....	61 20
Gallagher, Hugh T., insurance.....	91 80
Garlock Packing Co., valves, rings, etc....	42 57
General Electric Co., carbons, brushes.....	17 36

Water Department—Continued

Glass, C. H. & Co., printing office supplies	74	74
Goding, Marshall R., auditor.....	550	00
Gorham, W. H. Co., wire.....	1	20
Grady, John & Son, wood block.....	11	20
Haynes & Chalmers Co., lanterns, grease, oil, etc.....	78	32
Hopkins, A. R. Co., lime.....	217	00
Inforati, A. J., painting and lettering filing cases.....	4	50
Kirstein, Louis & Sons, insurance.....	408	31
Lancaster, M. H., carpenter repairs.....	28	60
Lead Lined Iron Pipe Co., pipe, ells, unions, etc.....	404	45
Leighton & Leland, horse shoeing.....	22	35
Leighton, Leland & Grant, horse shoeing	6	35
Leighton Plumbing & Heating Co., boiler couplings.....	75	
Library Bureau, cards.....	97	88
Linn, W. H. & Co., auto repairs.....	139	69
Lombard-Governor Co., oil and leather cups.....	25	01
Lord, Henry & Co., insurance.....	31	40
Matthews, Jas. H. & Co., coupon cutter..	25	00
Maine Central R. R. Co., freight.....	336	55
McKenney, Galen, filing saws, sharpening lawn mowers.....	6	80
McLaughlin, Geo. A., auto repairs.....	17	77
Merryman, A. N., gasoline.....	96	06
Moor, Geo. L. & Son, straw.....	3	06
Morse & Co., lumber, etc.....	553	15
Mueller, H. Mfg. Co., pipe end reamer, set cutter.....	7	94
Multipost Co., stamp affixer.....	15	00
Murch, Alfred L., M. D. V., veterinary....	1	55
National Lead Co., lead pipe.....	248	62
National Meter Co., meter and repairs....	130	56
New England Tel. & Tel. Co.....	167	95

Water Department—Continued

New York Continental Jewell Filtration Co., sand.....	60 00
Palmer Shoe Co., repairing rubber boots	1 55
Palmer, W. W., insurance.....	158 68
Pay roll, superintendent and collector.....	3,000 00
Pay roll.....	21,367 51
Pennsylvania Salt Mfg. Co., sulphate alumina.....	8,765 64
Penobscot Machinery Co., repairs.....	411 51
Pol, Bernhard, clock repairs.....	4 50
Revere Rubber Co., diaphragms.....	8 04
Robinson, Wm. C. & Son Co., oil.....	42 53
Ryan, Frank, harness repairs, etc.....	25 35
Schwartz' Sons, M., hose, couplings, etc.	136 29
Sinclair, M. A., board of horse.....	218 00
Singleton, J. F. Co., insurance.....	128 35
Smith & West, electric fan.....	14 00
Smith, S. S., oil, etc.....	18 39
Snow & Nealley Co., rope.....	34 08
Standard Envelope Sealer Mfg. Co., envelope sealer.....	25 37
Stickney & Babcock Coal Co., coal and wood.....	2,122 70
Sullivan, Dan T., office supplies.....	116 74
Sullivan, Thomas E., custodian of fish- way.....	50 00
Supply Dept., pay rolls, vouchers, etc.....	10 96
Sweet, Caldwell, Co., pyro, salt petre.....	11 85
Thompson, John L., Sons & Co., blue vitriol.....	56 25
Thoms, H. B., auto repairs, etc.....	62 15
Thompson Meter Co., meter and repairs..	126 49
Towle, J. N. & Co., dirty salt.....	1 05
Trans Envelope Co., envelopes.....	26 90
Union Iron Works, material.....	1,326 00
Vacuum Oil Co., viscolite, oil	178 58

Water Department—Continued

Walworth Mfg. Co., standpipes, cocks, etc.....	355 00	
Ward, John M., mason repairs.....	32 94	
Wentworth, E. E. Corp., auto repairs.....	17 45	
Western Union Tel. Co., clock rent.....	12 00	
Wilshire, John, horse.....	200 00	
Wood & Bishop Co., tank holder, filing case, etc.....	45 30	
Wood, R. D. & Co., pipe, hydrants.....	2,392 09	
Woodman, C. Co., lumber.....	103 70	
Woodman, J. F. & Co., coal.....	511 31	
Worthington Pump & Machinery Corp., pump repairs.....	1,270 80	
	<hr/>	
	\$65,209 50	
Credit.....	9 50	
	<hr/>	
	\$65,200 00	
	<hr/>	
Total water department.....		\$65,200 00

CEMETERIES**Cemeteries:****Maintenance—Labor and Teaming:****Maple Grove:**

Bryant, W. H., labor on yard.....	\$280 35	
Dickey, W. P. & Co., lawn mower, rakes, etc.....	8 00	
Dunning, R. B. & Co., lawn seed.....	8 80	
	<hr/>	
	\$297 15	

Oak Grove:

Dickey, W. P. & Co., lawn mower, etc.....	\$ 7 10	
Eveleth, R. C., labor on yard.....	63 85	
	<hr/>	
	70 95	

Cemeteries—Continued

Mt. Hope Public Grounds:

Burr, The T. W. Ptg. & Adv. Co., printing certificates.....	\$ 2 50	
Hathorn, R. E., labor on yard.....	192 12	
	<u> </u>	194 62

All Other:

Supply Dept., requisition book.....		15
		<u> </u>

Total maintenance and labor and teaming.....		\$562 87
--	--	----------

Superintendent of Burials:

Mt. Hope:

Salary.....		\$300 00
-------------	--	----------

Mt. Pleasant:

Salary.....		200 00
		<u> </u>

Total superintendents of burials...		\$500 00
-------------------------------------	--	----------

INTEREST**Interest:**

On Temporary Loans:

Interest:

Bragg, I. M., estate.....	\$ 4 67	
Eastern Trust & Banking Co.....	439 63	
Merrill Trust Co.....	2,378 66	
Moseley, F. S. & Co.....	1,461 77	
Penobscot Loan & Building Association..	3 78	
	<u> </u>	4,288 51

Total interest on temporary loans		\$4,288 51
-----------------------------------	--	------------

On Municipal Bonds:

\$50,000.00 Interest due 2nd May and November:

Merchants National Bank, Boston.....		\$1,400 00
--------------------------------------	--	------------

Interest—Continued

\$100,000.00 Interest due 1st May and November:

Merchants National Bank, Boston.....	3,800 00
--------------------------------------	----------

\$125,000.00 Interest due 1st February and August:

Merchants National Bank, Boston.....	\$5,060 00
Second National Bank, Bangor.....	20 00
	<hr/> 5,080 00

\$250,000.00 Interest due 1st February and August:

Merchants National Bank, Boston.....	10,000 00
--------------------------------------	-----------

\$195,000.00 Interest due 1st January and July:

Merchants National Bank, Boston.....	7,800 00
--------------------------------------	----------

Total interest on Municipal bonds	<hr/> \$28,080 00
-----------------------------------	-------------------

On Trust Funds Used with Arrears:**Bangor Fuel Society:**

Bangor Fuel Society.....	\$200 00
--------------------------	----------

Bangor Mechanic Association:

Bangor Mechanic Association	720 00
-----------------------------------	--------

Bangor Children's Home:

Bangor Children's Home.....	2,400 00
-----------------------------	----------

Firemen's Relief Fund:

Glynn, Michael J., secretary of fund.....	\$100 00
LeBarrows, Eugene.....	17 00
McCarthy, John W.....	13 00
Peavey, Guy.....	12 00
Pierce, Wm. B.....	20 00
Trust Fund Interest.....	170 05
	<hr/> 332 05

Interest—Continued

Fogg Fund:

Daley, C. Wood Co., wood.....	\$ 4 00
Johnson, Mrs. Jennie, distribution.....	34 00
Leavitt, Solomon, groceries.....	12 00
	<hr/>
	\$50 00
Credit: Paid from trust fund cash.....	50 00

French Medal Fund:

Hutchins, I. M., medals.....	\$150 00
Transfer to French Medal Trust Fund.....	120 22

270 22

Holton Medal Fund:

Adams, John Q. & Co., dictionary.....	\$24 50
American Book Co., books for High School library.....	2 56
American School Board Journal, sub- scription to School Board Journal.....	1 50
Babb, Edward E. & Co., books for High School library.....	5 62
Bass, J. P. Pub. Co., library labels.....	1 75
Doubleday Page & Co., subscription to World's Work.....	4 00
Eaton, Hal R., books for High School library.....	1 50
Harper & Bros., books for High School library.....	11 74
Library of Congress, library cards.....	72
Silver, Burdett & Co., books for High School library.....	1 80
Sears, Roebuck & Co., books for High School library.....	69 25
Sprague's Journal of Maine History, subscription.....	1 00

Interest—Continued

White, W. Keppel, subscription to Harper's magazine.....	3 00	
	<hr/>	
	\$128 94	
Credit: Paid from trust fund cash.....	28 94	
	<hr/>	100 00
Home for Aged Women:		
Merrill, A. J., treas.....		1,500 00
Hersey Fund:		
Bangor Public Library.....		4,000 00
Stetson Fund—Salary:		
Johnson, Mrs. Jennie.....		450 00
Stetson Fund—Distribution:		
Adams Dry Goods Co., blankets, pillow cases.....	\$ 5 19	
Anderson, A. F., groceries.....	3 55	
Connor Coal & Wood Co., coal and wood	9 58	
Fleming, John F., groceries.....	16 50	
Johnson, Mrs. Jennie, distribution.....	65 00	
Kimball & Nickerson, shoes and rubbers	11 20	
Leavitt, Solomon, groceries.....	1 92	
Matheson, W. D.....	1 90	
O'Connell Bros., groceries.....	11 26	
Yates, A. O., Shoe Co., shoes and rubbers	19 40	
Whitman, Henry F., coal.....	4 50	
	<hr/>	150 00
Wakefield Fund:		
Merrill, A. J., treas.....		450 00
Hiram P. Oliver Fund:		
Chapman, G. A., groceries.....	\$ 5 00	
Connor Coal & Wood Co., wood.....	8 90	
Freese, A. Langdon, clothing.....	2 00	
Johnson, Mrs. Jennie, distribution.....	47 86	

Interest—Continued

Kimball & Nickerson, shoes and rubbers	12 35	
Nichols, C. W. Co., hack to hospital.....	2 00	
O'Connell Bros., groceries.....	9 79	
Robinson, James A. & Co., clothing.....	2 60	
Staples & Griffin, groceries.....	6 00	
Woods, Jarvis B., M. D., glasses.....	3 50	
		100 00

Fogg Fund—Unexpended Balance from Previous Years:

Connor Coal & Wood Co., coal and wood	\$32 48	
Connors, John, Shoe Co., shoes and rubbers.....	19 60	
Kimball & Nickerson, shoes and rubbers	18 60	
Matheson, W. C., groceries.....	19 97	
New York Syndicate, shoes and rubbers..	6 02	
O'Brien, Carl R., medical attendance.....	2 00	
Stickney & Babcock Coal Co., coal.....	4 83	
Yates, A. O., Shoe Co., shoes and rubbers	22 10	

\$125 60

Credit: Paid from trust fund cash..... 125 60

Total interest on trust funds used
with arrears..... \$10,672 27

On Water Bonds:**\$500,000.00 Interest due 1st January and July:**

Eastern Trust & Banking Co.....	\$200 00	
Merchants National Bank, Boston.....	20,360 00	
		\$20,560 00

\$70,000.00 Interest Due 1st February and August:

Bangor Savings Bank.....	\$100 00	
Merchants National Bank, Boston.....	400 00	
Penobscot Savings Bank.....	100 00	
		600 00

Total interest on water bonds..... \$21,160 00

MUNICIPAL INDEBTEDNESS

Municipal Serial Bond Requirements:

\$50,000.00 Loan Due November 2nd:	
Merchants National Bank, Boston.....	\$5,000 00
\$100,000.00 Loan Due November 1st:	
Merchants National Bank, Boston.....	5,000 00
	<hr/>
Total Municipal Serial Bond	\$10,000 00

Water Serial Bond Requirements:

\$70,000.00 Loan Due August 1st:	
Bangor Savings Bank.....	\$5,000 00
Penobscot Savings Bank.....	5,000 00
	<hr/>
	10,000 00
	<hr/>
Total Water Serial Bond requirements	10,000 00
Municipal Water Loan, (borrowed by City):	
Donovan, T. G., treas.....	\$10,000 00

SINKING FUNDS

Sinking Funds:

Water Loan Annual Appropriation:	
Donovan, T. G., treas.....	\$12,000 00
	<hr/>
Total Revenue Expenditures.....	\$630,961 47

NON-REVENUE EXPENDITURES

GENERAL GOVERNMENT

Police Garage:

Salaries and wages.....		\$90 37
Supplies:		
Bacon & Robinson Co., charcoal.....	\$ 80	
Bragg, N. H. & Sons, screws and bolts.....	3 89	
Dunham-Hanson Co., nails, etc.....	4 97	
Mason, John & Son.....	16 00	
Morse & Co., lumber.....	6 57	
Rice & Miller Co., washers, etc.....	49	
	<hr/>	32 72
Steel Garage:		
Edwards Mfg. Co.....	\$365 01	
Maine Central R. R. Co., freight.....	18 51	
	<hr/>	383 52
Total police garage.....		<hr/> \$506 61

HEALTH AND SANITATION

Sanitation:

Sewer Construction:		
Salaries and wages.....		\$1,239 76
Material:		
Bangor Brick & Construction Co., brick..	\$23 80	
Crossman, W. B., wood.....	5 00	
Dunham-Hanson Co., dynamite and exploders.....	63 25	
Haynes & Chalmers Co., exploders.....	3 07	
Hughes, Murtagh, sand.....	1 50	

Health and Sanitation—Continued

Penobscot Machinery Co., manhole tops..	24 00	
Sewer Dept., cement.....	9 35	
Stickney & Babcock Coal Co., coal.....	29 47	
		159 44
Sewer Pipe:		
Sewer Dept.....		244 50
All Other:		
Littlefield, C. S., sharpening tools.....	\$10 35	
Shannon & Carver, sharpening tools.....	7 10	
Snow & Nealley Co., oil and gauging.....	5 57	
		23 02
		\$1,666 72
Total sewer construction.....		\$1,666 72

Catch Basin Construction:

Salaries and wages.....		\$1,027 15
Material:		
Babb, C. H. & Co., tile.....	\$ 3 52	
Bangor Brick & Construction Co., brick..	250 33	
Hughes, Murtagh, sand.....	33 00	
Penobscot Machinery Co., cess pool tops	157 50	
Sewer Dept., cement.....	82 80	
Water Dept., valve box.....	4 50	
		\$531 65
Sewer Pipe:		
Sewer Dept.....		168 90
All Other:		
Hughes, Murtagh, trucking.....		4 50
		\$1,732 20
Total catch basin construction.....		\$1,732 20

HIGHWAYS AND BRIDGES

Highways:

Reconstruction General:	
Salaries and wages.....	\$4,479 89
Suburban Agents:	
Eveleth, Ralph C.....	48 25
Material:	
Highway Dept., gravel.....	\$480 25
Hughes, Murtagh, gravel and rock.....	1,363 21
	<hr/>
	\$1,843 46
Credit—Paving stones.....	31 36
	<hr/>
	1,812 10
Advertising:	
Bass, J. P. Pub. Co.....	8 00
Reconstruction:	
Doherty, John F.....	\$138 30
Murray, Thomas.....	217 86
	<hr/>
	356 16
	<hr/>
Total reconstruction general.....	\$6,704 40
Construction General:	
Salaries and wages.....	\$5 00
Construction Crosswalks:	
Casey, Francis T.....	\$372 56
Doherty, John F.....	216 63
	<hr/>
	\$589 19
Material:	
Hughes, Murtagh, gravel.....	1,329 65
	<hr/>
Total construction general.....	\$1,923 84

Highways—Continued

Construction Main Street:

Advertising:

Bangor Pub. Co.....	\$ 6 50	
Bass, J. P. Pub. Co.....	7 00	
	<u> </u>	\$13 50

Macadamizing Main Street:

Small & Ingalls and Murtagh Hughes.....	\$21,113 86	
---	-------------	--

All Other:

Great Northern Paper Co., blueprinting..	\$ 1 60	
Pay roll, November 20-26.....	11 25	
	<u> </u>	12 85

Total construction, Main Street...		<u> </u>	\$21,140 21
------------------------------------	--	-------------------	-------------

Construction State Road:

State Aid Highways:

Treasurer State of Maine.....		\$3,000 00
-------------------------------	--	------------

Reconstruction Sidewalks and Curbing:

Salaries and wages.....		\$ 6 75
-------------------------	--	---------

Reconstruction Sidewalks:

Doherty, John F.....	\$524 33	
Foster, Chas. M.....	74 12	
	<u> </u>	598 45

Total reconstruction sidewalks and curbing.....			\$605 20
---	--	--	----------

Construction Sidewalks and Curbing:

Salaries and wages.....		\$198 74
-------------------------	--	----------

Construction Sidewalks:

Casey, Francis T.....	\$990 31	
Doherty, John F.....	375 30	

1917]

CITY OF BANGOR

133

Highways—Continued

Foster, Chas. M.....	622 96	
Murray, Thomas.....	354 78	
	<u>2,343 35</u>	

Total construction sidewalks and curbing.....		\$2,542 09
---	--	------------

SPECIAL APPROPRIATION

High School and Library Lot:

Contract:		
Small & Ingalls and Murtagh Hughes.....		<u>3,425 50</u>

Total Non-Revenue Expenditures		\$43,272 77
--------------------------------	--	-------------

ESTIMATED REVENUE

TAXES:

Railroad and Telegraph Tax:	
State of Maine.....	\$46,240 47

LICENSES AND PERMITS

Sundry Licenses:

Theatres.....	\$95 00
Employment.....	175 00
Circuses.....	50 00
Peddlers.....	45 00
Billiards and pool.....	80 00
Auction.....	8 00
Gasoline.....	25 00
Fireworks.....	60 00
Plumbers.....	59 05
Gunpowder.....	1 00
Dynamite.....	5 00

Total sundry licenses.....	\$603 05
----------------------------	----------

Street opening permits.....	\$25 82
-----------------------------	---------

GRANTS AND GIFTS

Grants from State:

Schools:

Support of Public Schools.....	\$33,904 06
Aid to Industrial schools.....	3,002 67
Aid to Free High School.....	500 00

1917]

CITY OF BANGOR

135

Grants and Gifts—Continued

Union Superintendency.....	800 00	
School and mill tax.....	21,808 88	
	<hr/>	
Total schools.....		\$60,015 61
Armory.....		\$425 00
Dog licenses.....		\$492 98
Libraries.....		\$830 00

SPECIAL ASSESSMENTS

Street sprinkling.....		\$6,853 64
Moth extermination.....		\$179 00
Sewers:		
Assessments.....	\$1,043 98	
Entrance fees.....	177 54	
	<hr/>	
Total sewers.....		\$1,221 52
Sidewalks and curbing.....		\$587 33

PRIVILEGES**Public Service—Wires and Franchise:**

Bangor Railway & Electric Co., street franchise.....	\$2,800 00
Bangor Railway & Electric Co., Bangor and Brewer bridge franchise.....	1,600 00

Bangor Railway & Electric Co., wires crossing bridge.....	\$80 00	
Bangor Gas Light Co., pipes crossing bridge.....	80 00	
	<u>160 00</u>	
Total Public Service—Wires and Franchise.....		\$4,560 00

GENERAL GOVERNMENT

City Hall and Court Street Building:

Rent of hall.....	\$1,170 00	
Rent of offices.....	689 88	
Rent of part of Court St. building.....	200 00	
Municipal Court Room.....	1,000 00	
Chamber of Commerce.....	100 00	
Sale of junk.....	15 00	
	<u>3,174 88</u>	
Total City Hall and Court Street Building.....		\$3,174 88

PROTECTION OF PERSONS AND PROPERTY

Police Department:—Court Fees:

Supreme Court fees.....	\$7,025 99	
Municipal Court fees.....	1,363 37	
	<u>8,389 36</u>	
Total police department, court fees		\$8,389 36

Fire Department:—Sundries:

Sale of coal.....	\$ 2 50	
Sale of old hose.....	50	
Sale of junk.....	8 25	
	<u>11 25</u>	
Total fire department—Sundries		\$11 25

HEALTH AND SANITATION

Health—Fumigating.....		\$106 80
------------------------	--	----------

HIGHWAYS AND BRIDGES

Highways—All Other:

Old junk.....	\$30 25	
Hogs.....	94 38	
Dirt, culvert, etc.....	44 50	

Total highways—All other.....		\$169 13
-------------------------------	--	----------

Bridges:

City of Brewer—Bangor and Brewer bridge.....	\$519 80	
Bangor Railway & Electric Co.....	13 50	
Maine Central R. R. Co.....	26 00	

Total bridges.....		\$559 30
--------------------	--	----------

CHARITIES

Almshouse—Sale of Products and Sundries:

Milk and cream.....	\$ 592 23	
Hay.....	1,134 33	
Live stick.....	926 06	
Apples.....	24 75	
Eggs.....	8 26	

Total almshouse—Sale of products		\$2,685 63
----------------------------------	--	------------

Reimbursements from Individuals, Cities, Town and State:

Individuals.....	\$434 50	
Cities and Towns.....	490 02	
State.....	3,772 19	

Total reimbursements.....		\$4,696 71
---------------------------	--	------------

SOLDIERS' BENEFITS

State pensions.....	\$5,160 00
---------------------	------------

EDUCATION

Tuition, Sale of Text-Books, etc.:

Tuition.....	\$4,372 05
Text-books and supplies.....	77 19
Sale of heat.....	1,200 00
Night school.....	50 00
Repairs.....	5 52
Rent of hall.....	3 00
Wood.....	3 75
All other.....	1 20

Total tuition, sale of text-books, etc.....	\$5,712 71
--	------------

PUBLIC SERVICE ENTERPRISES

Electric Department:

Copper wire.....	\$10 50
------------------	---------

Water Department:

Water.....	\$94,000 00
Furnished Charitable Institutions.....	2,360 00

Total water department.....	\$96,360 00
-----------------------------	-------------

CEMETERIES

Sale of Lots:

Mount Hope.....	\$215 00
Maple Grove.....	17 00
Pine Grove.....	60 00
Oak Grove.....	10 00

Total sale of lots.....	\$302 00
-------------------------	----------

INTEREST ON TAXES AND DEPOSITS

On deposits in banks.....	\$1,759 57	
On taxes.....	1,008 30	
On tax titles.....	313 19	
On sewer assessments.....	11 10	
On coupons.....	17 78	
On sidewalks and curbing.....	3 06	
Total interest.....		\$3,113 00

OTHER REVENUE

Police Department—Sundry Receipts:		
Buttons.....	\$ 7 80	
Junk.....	18 95	
Received for rides in patrol.....	702 80	
Cracker barrels.....	2 36	
Money seized at gambling raids.....	2 36	
Patrol wagon, pung, etc.....	150 00	
Refund on telephone, etc.....	16 17	
Total police—Sundry receipts.....		900 44
Unclassified:		
Telephone.....	\$136 53	
Weighing machine.....	1 98	
Sundry.....	35 02	
Total unclassified.....		173 53
Interest on bonds accrued.....		606 67
Bangor Public Library—Grading lot.....		2,500 00
Sheep killed by dogs.....		692 25
Fire insurance.....		98 16
Total Estimated Revenue.....		\$257,456 74

TAXES

State and County Tax:

State tax.....	\$123,138 86
County tax.....	31,998 01

Total State and County tax.....	<u>\$155,136 87</u>
---------------------------------	---------------------

CASH RECEIPTS AND PAYMENTS

for the

Fiscal Year Ended February 28, 1917

1917

Mar. 1. Cash on hand and in banks.....	\$34,047 07
--	-------------

RECEIPTS**Taxes:**

Real and personal for 1916.....	\$559,595 02
Poll " 1916.....	12,185 75
Real and personal " 1915.....	5,460 11
Poll " 1915.....	1,090 00
Real and personal " 1914.....	1,215 35
Poll " 1914.....	372 75
Real and personal " 1913.....	273 17
Poll " 1913.....	188 00
Real and personal " 1912.....	160 13
Poll " 1912.....	117 00
Real and personal " 1911.....	106 47
Poll " 1911.....	58 00
Real and personal " 1910.....	3 00
Poll " 1910.....	29 00
Real and personal " 1909.....	82 75
Poll " 1909.....	18 00
Real and personal " 1908.....	3 00
Poll " 1908.....	14 00
Real and personal " 1907.....	3 00
Poll " 1907.....	11 00

Taxes—Continued

Poll	for 1905.....	3 00
Real and personal	“ 1904.....	3 00
Poll	“ 1904.....	7 00
Poll	“ 1903.....	5 00
Total Tax Collected.....		<u>\$581,003 50</u>

Tax Titles Redeemed:

Tax titles, 1916.....	\$ 189 39
Tax titles, 1915.....	1,986 97
Tax titles, 1914.....	441 15
Tax titles, 1913.....	655 68
Tax titles, 1912.....	89 73
Tax titles, 1909.....	16 11
Total tax titles redeemed.....	<u>3,379 03</u>

From State:

Railroad and telegraph tax.....	\$46,240 47
---------------------------------	-------------

Licenses and Permits:

Auctioneers.....	\$ 8 00
Billiards and pool.....	80 00
Circuses.....	50 00
Dogs.....	847 00
Employment agencies.....	175 00
Fireworks.....	44 00
Plumbers.....	59 05
Peddlers.....	45 00
Street openings.....	148 78
Theatres.....	95 00
Total licenses and permits.....	<u>\$1,551 83</u>

GRANTS AND GIFTS FROM STATE

For Education:

Support of public schools.....	\$33,904 06	
Aid of industrial schools.....	4,202 67	
Aid to free high school.....	500 00	
Union superintendency.....	800 00	
School and mill tax.....	21,808 88	
		<hr/>
	\$61,215 61	
For armory.....	425 00	
For dogs.....	492 98	
For sheep killed by dogs.....	647 25	
For library.....	900 00	
		<hr/>
Total grants and gifts from State.....		\$63,680 84

SPECIAL ASSESSMENTS

Street Sprinkling:

Street sprinkling, 1916.....	\$8,078 60	
Street sprinkling, 1915.....	7 69	
		<hr/>
	\$8,095 29	
Moth.....	159 00	
Sewer.....	957 72	
Sidewalks and curbing.....	1,972 80	
		<hr/>
Total special assessments		\$11,184 81

PRIVILEGES

Public Service:

Wire and franchise.....		4,640 00
-------------------------	--	----------

CITY HALL

Rent of hall.....	\$1,140 00	
Rent of offices.....	1,666 54	
Rent of Court Street building.....	250 00	
	<hr/>	
Total rents.....		\$3,056 54

PROTECTION OF PERSONS AND PROPERTY**Court Fees:**

Supreme Judicial Court fees.....	\$7,025 99	
Municipal Court fees.....	1,363 37	
	<hr/>	
Total Court fees.....		\$8,389 36

HEALTH AND SANITATION**Health:**

Fumigating.....		\$106 80
-----------------	--	----------

HIGHWAYS AND BRIDGES**Highways:**

All other.....		\$1,631 01
----------------	--	------------

MISCELLANEOUS ACCOUNTS RECEIVABLE

Police Department, Fire Department, etc.....		\$1,726 82
--	--	------------

REFUNDS

Various refunds.....		524 17
----------------------	--	--------

CHARITIES**Almshouse and Farm:**

Milk and cream.....	\$594 43
Hay.....	363 63
Live stock.....	920 06
Apples, eggs, etc.....	93 66

Total Almshouse and Farm	\$1,971 78
--------------------------	------------

Reimbursements:

Individuals.....	\$ 434 83
Cities and towns.....	192 82
State.....	5,190 01

Total reimbursements.....	5,817 66	\$7,789 44
---------------------------	----------	------------

SOLDIER'S BENEFITS

State pensions.....	\$10,011 00
---------------------	-------------

EDUCATION

Tuition and supplies.....	\$4,383 97
Heat to Public Library.....	1,200 00

Total education.....	\$5,583 97
----------------------	------------

UNCLASSIFIED

Telephone, percentage of receipts.....	\$136 53
Weighing machine, percentage of receipts.....	1 98

Total unclassified.....	\$138 51
-------------------------	----------

PUBLIC SERVICE ENTERPRISES

Water Department:

Sale of water.....	\$94,000 00
--------------------	-------------

CEMETERIES

Sale of lots.....	\$302 00
-------------------	----------

INTEREST

Interest:

On bonds paid before due.....	\$ 17 78	
On bank deposits.....	1,759 57	
On taxes.....	1,008 30	
On sewer accounts receivable.....	11 10	
On sidewalks and curbing.....	3 06	
On tax titles.....	206 26	
Total interest.....		\$3,006 07
Interest from Hiram Fogg fund.....	\$ 50 00	
Suspense account (Deane retaining wall).....	300 00	
Settlement of various suits brought by City, etc.....	659 47	
From pay roll account.....	105 73	
Coupons outstanding.....	340 00	
Petty cash.....	302 31	
Temporary tax loans.....	270,000 00	
Total cash balance and receipts.....		\$1,513,750 75

PAYMENTS MADE ON ACCOUNT OF WARRANTS
for the Fiscal Year Ended February 28, 1917

Warrant No.	Amount Paid
95.....	\$ 12,000 00
98.....	4,927 32
99.....	891 33
100.....	7,325 28
101.....	127 68
1.....	14,897 09
2.....	2,664 53
3.....	440 30
4.....	12,461 67
5.....	3,398 08
6.....	14,866 08
7.....	2,529 74
8.....	18,860 07
9.....	475 84
10.....	9,999 20
11.....	8,917 70
12.....	20,232 63
13.....	6,870 10
14.....	613 09
15.....	2,898 07
16.....	9,988 83
17.....	13,199 11
18.....	21,509 64
19.....	2,598 55
20.....	577 96
21.....	4,933 57
22.....	714 00
23.....	7,886 65
24.....	8,339 08
25.....	27,983 90
26.....	5,702 05
27.....	461 12
28.....	1,296 34
29.....	16,402 20

Warrant No.	Amount Paid
30.....	13,212 11
31.....	9,297 28
32.....	248 83
33.....	9,289 98
34.....	2,443 47
35.....	8,229 83
36.....	369 94
37.....	7,790 00
38.....	75 50
39.....	4,802 44
40.....	11,863 73
41.....	9,703 49
42.....	3,916 12
43.....	13,230 14
44.....	431 54
45.....	1,820 91
46.....	4,425 13
47.....	12,895 12
48.....	373 00
49.....	34,589 68
50.....	6,249 23
51.....	5,574 65
52.....	2,006 52
53.....	473 93
54.....	19,640 38
55.....	12,619 69
56.....	195,983 33
57.....	4,185 98
58.....	140,479 59
59.....	434 15
60.....	73 25
61.....	12,620 00
62.....	3,341 10
63.....	9,306 59
64.....	132,703 94
65.....	3,370 74
66.....	14,587 79
67.....	434 16

Warrant No.	Amount Paid	
68.....	640 00	
69.....	2,882 21	
70.....	8,500 46	
71.....	15,803 38	
72.....	8,306 21	
73.....	5,629 65	
74.....	364 69	
75.....	12 00	
76.....	421 58	
77.....	14,060 00	
78.....	1,582 27	
79.....	9,573 21	
80.....	27,694 71	
81.....	5,779 75	
82.....	458 94	
83.....	14,734 67	
84.....	340 00	
Total paid on warrants.....	\$1,096,865 79	
Paid petty cash.....	302 31	
Total disbursements.....		1,097,168 10
Cash balance.....		\$56,582 65

BALANCE FEBRUARY 28, 1917

Merchants National Bank, Boston.....	\$ 5,662 28	
Merchants National Bank, Bangor.....	11,040 70	
First National Bank, Bangor.....	10,991 59	
Eastern Trust & Banking Co., Bangor.....	15,168 76	
Merrill Trust Co., Bangor.....	10,381 29	
Deposits made up (to be deposited).....	2,338 03	
Petty cash.....	1,000 00	
		\$56,582 65
The above cash consists of:		
Operating cash.....	\$53,141 60	
Trust fund cash.....	3,441 05	
		\$56,582 65

Report of the City Electrician

To His Honor, the Mayor and City Council of Bangor:

The City Electrician herewith submits his annual report for the year ending Feb. 28, 1917.

MAINTENANCE AND OPERATION

Original appropriation.....	\$25,500 00
Expended.....	23,371 80
	<hr/>
Balance.....	\$2,128 20

POWER STATION

During the past year have experienced no serious trouble of any kind and the usual amount of repair work has been done. A steam separator has been installed on engine, also a new piston, the engine clutch repaired and new female steps made for water wheels.

In 1909 the City had 506 street lights; in 1917 the number is 1515 and the load in the public buildings has increased in about the same proportion.

The same apparatus at the power station is producing the electricity for these lights.

SUB-STATION

All the apparatus at the sub-station is in good repair. The wooden buildings in the rear of station should be repaired and painted the coming year, also a retaining wall is badly needed on the easterly side of this lot.

Meters at the sub-station that were placed in operation on April 1, 1916, show that the City has furnished during the last eleven months 1,185,270 kilowatts of electricity for its street lights and lights in the different City buildings.

STREET LIGHTS

Have installed for the year 47 incandescents, and replaced 62 arcs with tungstens.

Would recommend that the Ornamental Street Lighting system on Main Street be extended across Kenduskeag Bridge and down Exchange Street to the Union Station, and that the City take action in regard to placing its own wires underground in the business district.

INCANDESCENT LIGHTS

One new service has been added to our incandescent lighting system, the City furnishing current for the lights in the Machine Gun Co's Armory.

Meters should be placed on all services, and each department charged with the amount of electricity used.

FIRE ALARM SYSTEM

One new fire alarm box of the latest type has been added to this system the last year.

Have laid conduits underground in connection with those of the N. E. T. & T. Co's the entire length of Main Street so that the over-head fire alarm wires in this section can be placed underground when the necessary cable is purchased, and this should be done as soon as possible.

POLICE SIGNAL SYSTEM

No extensions have been added to this system which has been operating with good success the past year.

In closing, I wish to thank the Mayor, the Committee on Streets Lights, City Government and members of the Electric Department for their assistance and support at all times.

Respectfully submitted,

JAS. E. LOGAN.

STOCK AND TOOLS

Sub-station

LAMPS

1 Westinghouse Flame Arc Lamp
 3 Magnetite Lamps
 40 Street Series Tungstens
 26 114V Tungsten Lamps
 350 114V Carbon Lamps
 25 G. E. Form 3 Arcs
 Repair part for Magnetite Arcs
 50 Upper Electrodes
 300 Lower Electrodes
 72 Outer Globes
 8 6 x 12 R. I. Balls
 1 Case Inner Globes
 12,000 Carbons (9½ x ½)
 24 Inner Globe Caps

FIXTURES

8 Wheeler Street Fixtures
 2 Series Clusters

MOTORS

2-½ H. P. 3 Phase 110 V
 1 2 H. P. 3 220 V.

INSIDE WIRING MATERIAL

4 Attachment Plugs
 35 Armored Lamp Cord
 250 Ft. Armored Cable No. 14

150 Ft. Circular Loom
 500 Ft. R. C. No. 14
 500 Ft. R. C. No. 8
 100 Ft. R. C. No. 4
 300 Ft. R. C. No. 6
 225 Ft. Decoration Wire
 10 Lbs. Magnet Wire
 4 Lbs. Office Wire
 3 D. W. D. P. M. L. Cutouts
 8 Sawyer Mann Cutouts
 1 Cutout No. 1935
 1 Cutout No. 8020
 1 Cutout No. 62587
 1 Cutout No. 10971
 1 Cutout No. 10975
 6 H. & M. Branch Blocks
 ½ Bbl. Knobs
 12 Dossert Connectors
 11 Condulets F. S. L.
 2 Condulets 1½ Inch Type A.
 400 Cleats, 2 Wire Porcelain
 1 Electric Lock
 1 Lot of Old Condulets
 3 Lamp Guards
 50 Metal Molding Fittings
 8 Cans Nokorode
 90 Rolls Tape
 2 Hartford Time Switches
 70 Rosettes
 85 Sockets
 1 Socket Weatherproof
 22 Switch Plates

31 Switch Bases Porcelain
 21 Snap Switches
 4 Flush Switches
 3 Switches J. K.
 15 Shade Holders
 25 Lb. Solder
 20 Taplets, Type U.
 70 W. P. Entrance Bushings
 12 Insulating Joints
 12 Insulating Rings
 2 Ground Clamps
 50 Porcelain Tubes
 6 Cast Iron Junction Boxes
 10 Battery Connectors
 43 Dry Cells

FIRE ALARM SUPPLIES

12 Old Bells
 28 D. & W. Cutouts
 24 Tappers
 11 Lantern Tops
 25 Matthews Joints
 8 Brass Bolts
 2 Manhole Covers
 60 Lengths Fibre Conduit
 1 Underground F. A. Post
 1 Underground F. A. Junction Box
 4010 Ft. Lead Cable, 4, Wire No. 14
 7 Auxiliary F. A. Boxes
 1 Register and Take Up Reel
 1 Turtle Gong
 1 Combination Gong and Indicator
 10 Sets F. A. Magnets
 9 Lighting Arresters, No. 746 Union
 12 Outer Door Locks
 10 Inner Door Locks
 4 Cole Key Guards

POLICE SIGNAL

3 Sets Magnets
 1 Induction Coil
 3 Condensers
 3 Telephone Cords
 4 Ruby Lights

FUSES

9 3 Amp Primary Fuses
 17 5 Amp Primary Fuses
 26 20 Amp Primary Fuses
 9 30 Amp Primary Fuses
 5 Expulsion Fuses
 2 D. & W. Sneak Fuses 2 Amp
 2 D. & W. Sneak Fuses 3 Amp
 30 Cartridge Fuses 6 Amp
 10 Cartridge Fuses 15 Amp
 20 Cartridge Fuses 30 Amp
 20 Cartridge Fuses 40 Amp
 20 Cartridge Fuses 50 Amp
 3 Cartridge Fuses 60 Amp
 10 Cartridge Fuses 65 Amp
 10 Cartridge Fuses 75 Amp
 5 Cartridge Fuses 100 Amp
 10 Cartridge Fuses 125 Amp
 5 Cartridge Fuses 150 Amp
 10 Cartridge Fuses 175 Amp
 8 Cartridge Fuses 200 Amp
 4 Cartridge Fuses 400 Amp
 150 6 Amp Plug Fuses
 150 10 Amp Plug Fuses
 100 15 Amp Plug Fuses
 75 25 Amp Plug Fuses
 500 Paiste Fusettes
 70 Fuse Plug Casings
 25 Glass Tubes
 100 Fire Alarm Fuses

LINE MATERIAL

243 Lbs. No. 6 Weather Proof Wire	50 4 Inch Coach Screws
1500 Ft. Twisted Pair No. 14	2 Transformers (burnt out Junk)
100 Ft. No. 10 Flexible R. C.	1 Transformer 25 K. V. A.
25 Lbs. No. 4 Weather Proof Wire	13 P. & S. Transformer Cutouts
1 Reel Arc Lamp Cable	23 G. E. Transformer Cutouts
200 Wire Connectors, No. 4, No. 6 and No. 8	40 Arc Lamp Hangers
3 No. 600 A. Series Cutouts	9 Iron Sight Sticks
25 Series Receptacle	1 Cable Support
10 Series Sockets	6 Rock Drills
1 Shedd Automatic Cutout	1 Dead Man
85 Pole Steps (wood)	3 Pikes
31 Pole Steps (Iron)	3 Tamping Bars
1 Iron Pole Cross Arm Support	1 Tamping Moll
30 Four Pin Arms for Iron Poles	2 Scoops
33 Caps for Iron Poles	7 Shovels
1 Bbl. Wood Top Pins	5 Shovels, S. P.
4 Bags Wood Pins	5 Cant Dogs
150 Six Pin Cross Arms	5 Pickaxes
60 Two Pin Cross Arms	2 Digging Bars
4 Bbls. Glass Insulators	1 Post Hole Digger
18 Outrigging Braces	1 Rake
16 Guy Anchors	1 Pitchfork
200 Iron Braces	1 Barn Shovel
40 Guy Wire Clamps	3 Man Hole Gates
19 Thimbles	Duct Rods
75 Eye Bolts	2 Take-up Reels
300 Thro. Bolts $\frac{5}{8}$ Inch	1 Wire Scratch Brush
150 Thro. Bolts $\frac{3}{8}$ Inch	3 Extension Ladders
225 Space Bolts	1 14 Foot Ladder
2 Coils 7 Strand Iron Wire	1 18 Ft. Ladder
78 Galv. Iron Brackets	1 14 Ft. Step Ladder
25 Black Iron Brackets	1 12 Ft. Step Ladder
29 Pierce Brackets	1 6 Ft. Step Ladder
18 Dutton Tree Insulators	2 Clamps
4 Lundin Cutouts. (Old)	1 Set Stencils
	1 Drill Attachment
	1 Boiler Ratchet
	1 Hand Saw

2 Draw Shaves
 3 Monkey Wrenches
 2 Stilson Wrenches
 1 Steel Square
 1 Level
 1 Nail Puller
 1 Axe
 1 Pinch Bar
 1 Metal Moulding Punch
 3 Trowels
 6 Brick Drills
 1 Anvil and Forge
 1 Grindstone
 1 Pair Bolt Cutters
 2 Die Stocks
 1 Lathe
 1 Die Set
 2 Vises
 1 Pipe Vise
 2 Bit Braces
 6 Bits
 1 Mitre Box
 1 Breast Drill
 1 Power Drill
 2 Magneto
 1 Pipe Cutter
 1 Torch
 1 Claw Hammer
 1 Hand Hammer
 2 Screw Drivers
 3 Hatchets
 3 Wrenches
 1 Small Steel Bar
 2 Sets Come Alongs
 1 Set Blocks
 2 Set Blocks and Rope
 1 Snatch Block
 1 Coil Manilla Rope 17 th.

STATION EQUIPMENT

2 G. E. Potential Transformers
 2 Westinghouse Current Transformers
 1 Horn Gap Lighting Arrester
 1 Westinghouse Oil Switch 2 P. D. T.
 1 G. E. Oil Switch 3 P. D. T.
 1 G. E. Oil Switch 3 P. S. T.
 2 A. C. Lighting Arresters, Type G. E. F2
 8 A. C. Lighting Arresters, Type G. E. S.
 8 Porcelain Barriers
 80 Carbons
 1 H. C. Type Alternator and Rheostat
 1 Field Rheostat
 1 Westinghouse Graphic Recording Watt Hour Meter
 1 Westinghouse Polyphase Watt Meter Portable
 2 Westinghouse Current Transformers
 2 Thompson A. C. Ammeters 0-15 Amp
 1 Thompson A. C. Ammeters 0-200 Amp
 1 Thompson Wattmeter
 1 Weston D. C. Voltmeter
 1 Weston D. C. & A. C. Voltmeter
 4 Series Rectifier Tubes
 2 Pair Rubber Gloves
 1 Pair Pliers, Insulated Handles

TEAM EQUIPMENT

1 Horse
 1 Harness
 1 Halter
 1 Blanket
 1 Express Wagon
 1 Two Wheel Pole Wagon
 2 Sleds
 3 Carriage Wrenches
 2 Curry Combs
 2 Brushes
 1 Carriage Robe

AUTOMOBILE

1 Ford Automobile, (2 bodies)
 4 Old Tires
 1 New Tire
 2 Inner Tubes
 2 Sets Weed Tire Chains
 1 Search Light

MISCELLANEOUS

2½ Bags Portland Cement
 3 Bags Pulp Plaster
 10 Bars Bon Ami
 1 Faucet
 1 Branding Iron
 5 Gallons Kerosene
 19 Lanterns
 2 Mops
 7 Brushes
 1 Feather Duster
 3 Stable Brooms
 2 Push Brooms
 4 Brooms

2 Pails
 1 Vacuum Cleaner
 50 Ft. Garden Hose (Old)

OFFICE

2 Roll Top Desks
 1 Typewriter Desk
 1 L. C. Smith Typewriter
 2 Tables
 1 Drafting Table
 6 Chairs
 1 Leather Couch
 1 Safe

POWER STATION

1 Set Pipe Dies, cuts ¼ Inch to
 1 Inch
 1 Set Pipe Dies, cuts 1 Inch to
 2 Inches
 Pipe Taps, ½ Inch, ¾ Inch, 1 Inch
 1 4 Inch Pipe Vise
 1 No. 3 Barnes Pipe Cutter
 1 36 Inch Stilson Wrench
 1 24 Inch Stilson Wrench
 2 14 Inch Stilson Wrench
 2 24 Inch Chain Tongs

BLACKSMITH TOOLS

1 Forge with Blower
 1 7 Lb. Hammer
 1 14 Lb. Hammer
 1 18 Lb. Hammer

CARPENTER TOOLS

1 24 Inch Steel Square
 1 Pair 8 Inch Dividers
 1 24 Inch Hand Saw
 1 Key Hole Saw
 2 Bit Braces
 1 Set Wood Bits
 1 Expan. Bit
 1 $\frac{7}{8}$ Inch Ship Auger
 1 $1\frac{1}{2}$ Inch Ship Auger
 1 6 Inch Block Plane
 1 $1\frac{1}{2}$ Inch Wood Chisel
 1 $1\frac{1}{2}$ Inch Wood Gouge
 1 Hammer

BOILER TOOLS

2 Coal Shovels
 1 Steam Tube Cleaner
 1 Weindand Tube Cleaner
 30 Ft. Metal Steam Hose
 40 Ft. 6 Ply Steam Hose
 50 Ft. Garden Hose
 1 Boiler Rake
 1 Boiler Hoe

MACHINE TOOLS

1 Set Bolt Dies, Cuts $\frac{1}{2}$ Inch, $\frac{5}{8}$ Inch,
 $\frac{3}{4}$ Inch, $\frac{7}{8}$ Inch, 1 Inch
 Machine Taps, 2 $\frac{5}{8}$ Inch, 2 $\frac{3}{4}$ Inch,
 2 $\frac{7}{8}$ Inch, 2 1 Inch
 Twist Drills, 10-32, 12-32, 13-32,
 14-32, 16-32, $\frac{1}{2}$ Inch, $\frac{5}{8}$ Inch,
 13-16 Inch, 29-32 Inch, 1 Inch
 1 Pair 6 Inch Outside Calipers
 1 Pair 6 Inch Inside Calipers

1 12 Inch Hack Saw Frame
 8 12 Inch Hack Saw Blades
 1 Pair 15 Inch Tin Snips
 2 Babbitt Labels
 1 Blow Torch
 1 12 Inch Ratchet Brace
 1 12 Inch Ratchet Drill
 1 Breast Drill
 4 $\frac{5}{8}$ Cold Chisels
 1 $1\frac{1}{2}$ Lb. Hammer
 1 Bench Vise
 1 14 Inch Wescott Wrench
 1 10 Inch Wescott Wrench
 1 8 Inch Wescott Wrench
 2 24 Inch Monkey Wrenches
 1 12 Inch Monkey Wrench
 1 10 Inch Monkey Wrench
 1 1 Inch Fork Wrench
 2 $\frac{7}{8}$ Inch Fork Wrench
 1 $\frac{3}{4}$ Inch Fork Wrench
 10 Governor Wrenches
 3 Socket Wrenches
 4 Spanner Wrenches
 1 Emery Wheel Tool Grinder

WRECKING TOOLS

1 6 Inch Screw Jack
 2 24 Inch Hydraulic Jacks
 2 1 Ton Chain Hoists
 1 2 Ton Chain Hoist
 1 4 Ton Chain Hoist
 1 $\frac{1}{2}$ Ton Chain Hoist
 2 5 Ft. Steel Bars
 2 3 Ft. Steel Bars
 1 Set of Block and Tackle
 50 Ft. 1 Inch Rope
 2 $\frac{3}{4}$ Inch Hand Lines

3 $\frac{1}{2}$ Inch Steel Cable Slings
 1 Snow Shovel
 1 Lawn Mower
 3 Lanterns
 6 Rack Rakes
 1 15 Ft. Wrecking Boat

ACCOUNT OF STOCK

1 Bbl. Cylinder Oil
 1 Bbl. Engine Oil, Heavy
 1 Bbl. Engine Oil, Light
 25 Gallons Governor Oil
 25 Gallons Kerosene Oil
 1 Bbl. Gear Grease
 $\frac{1}{2}$ Bbl. Cup Grease
 3 Bales Waste
 1 Gal. Brass Polish
 15 Lb. Powered Graphite
 12 Clutch Arms
 Meter Paper
 40 Lb. Gen. Babbitt
 20 Lb. No. 4 Babbitt

6 Oil Screen for Filter
 $\frac{1}{2}$ Doz. 10 Inch Bast. Flat Files
 3 Sticks Commutator Dressing
 1 Lb. $\frac{1}{4}$ Inch Spiral Packing
 1 Lb. $\frac{3}{8}$ Inch Spral Packing
 1 Lb. $\frac{1}{2}$ Inch Spiral Packing
 12 Carbon Brushes for Exciter
 Leather Cups for Governor
 Bon Ami and Soap
 1 Female Step for Water Wheel
 1 Male Step for Water Wheel
 1 Set Keys
 1 Pair 8 Inch Pliers
 1 12 Inch Screw Driver
 6 $2\frac{1}{2}$ x $\frac{3}{4}$ Inch Cap Screws
 12 2 x $\frac{1}{2}$ Inch Cap Screws
 12 $2\frac{1}{2}$ x $\frac{5}{8}$ Inch Screws
 8 $1\frac{1}{2}$ x $\frac{1}{2}$ Inch Cap Screws
 12 $\frac{3}{8}$ x 2 Inch Cap Screws
 10 $\frac{3}{8}$ x 1 Inch Cap Screws
 12 $4\frac{1}{2}$ x $\frac{3}{4}$ Inch Machine Bolts
 12 5 x $\frac{7}{8}$ Inch Machine Bolts
 48 x 1 Inch Machine Bolts

Report of Superintendent of Sewers

Bangor, Maine, March 14th 1917.

To His Honor, the Mayor and the City Council:

Gentlemen:—The Superintendent of Sewers herewith submits his report for the year ending February 28th 1917.

Appropriation for the year.....	\$11,500	00
Expended for new work and all repairs and other expenses.....	11,077	11
Unexpended balance.....		\$422 89

EXPENDITURES

General Administration

Salary of Superintendent and Board.....	\$1,250	00
Office supplies.....	12	38
		\$1,262 38

SEWER CONSTRUCTION

Highland Avenue.....	\$459	64
Fruit Street.....	171	54

Poplar Street.....	434 75	
Union Street.....	453 31	
Emerson Street.....	42 80	
Brickyard.....	87 98	
City Stable Drain.....	34 70	
	<hr/>	\$1,666 72

SEWER MAINTENANCE

Repair of sewers.....	\$923 31	
Repair of manholes.....	136 33	
Flushing.....	41 60	
Tapping.....	19 80	
Repair of rolling stock.....	147 59	
Winter expense.....	564 72	
Saturday, half holiday.....	93 41	
	<hr/>	\$1,926 76

CATCH BASIN CONSTRUCTION

1	Kenduskeag Avenue.....	\$28 44
1	Linden and Leighton Streets.....	67 59
2	Lafayette and Grant Streets.....	112 40
1	Pine and South Park Streets.....	50 70
1	Division and Prentiss Streets.....	54 51
1	French and South Part Streets.....	55 52
1	Parker and Fourth Streets.....	63 55
5	Main Street	559 85
1	Garland Street.....	126 46
2	New Street.....	127 40
1	Larkin Street.....	51 75
2	Webster Avenue, North	117 76
1	Graham Avenue.....	82 58
1	Patten Street.....	55 33
1	Catell Street.....	58 20

1	Milford Street.....	101 84	
	Watering trough, Essex Street.....	18 32	
<hr/>			
23			\$1,732 20

CATCH BASIN MAINTENANCE

Cleaning catch basins.....	\$2,920 73	
Cleaning tops.....	279 00	
Repairing catch basins.....	1,103 22	
Saturday, half holiday.....	186 10	
	<hr/>	\$4,489 05

AMOUNT OF NEW SEWER

Highland Avenue	310 feet 10 inch
Fruit Street	284 feet 8 inch
Poplar Street	285 feet 8 inch
Union Street	150 feet 8 inch
Emerson Street	50 feet 10 inch
Brickyard	38 feet 24 inch
City Stable drain	100 feet 8 inch
Connections	732 feet 8 inch
Bowdoin, Fifth and Sixth Streets	1809 feet
	<hr/>
	3,956 feet

The Sewer built on Bowdoin, Fifth and Sixth Streets was built by the Horace Purington Co. at their expense and was taken over by the City of Bangor as part of the City System, the right being reserved by the Purington Co. to at any time enter that sewer from any lot fronting on it.

Twenty-three Catch Basins were constructed on old sewers making the total number of Catch Basins in the City 1,312.

Five Manholes and 3,956 feet of sewer built during the year makes the amount of sewers in the City about 47 miles.

The Catch Basins have been cleaned as often as necessary, the work being done by the Department at a cost of \$2,920.79.

A Sewer was petitioned for by the residents of Woodbury and Bryant Streets and a survey was made, the cost estimated to be \$1,327.50 but on account of lack of Funds this sewer was not built. There are several houses there badly in need of sewerage and I would recommend this sewer be constructed the coming season.

Respectfully submitted,

WM. E. GIVREN,
Supt. of Sewers.

Report of the Fire Chief

To His Honor, the Mayor and the City Council:

In compliance with the City Ordinance, I herewith submit the report of the Fire Department for the year ending February 28th 1917.

EXPENDITURES

Salaries and wages	\$39,969 10
Horses and care of same.....	4,681 68
Fuel and lights.....	1,810 65
Auto maintenance.....	356 07
Repairs and renewals of equipment.....	811 65
Other expenses.....	1,984 64
	<hr/>
Total.....	\$49,613 79

Included in "Other Expenses" is the sum of \$876.99 paid for insurance. These policies are for a term of 5 years and the cost of same all come out of this year's appropriation.

APPARATUS

Central Station, Union St.

1 Hose and chemical apparatus.....	Motor driven
1 Steam fire engine.....	Drawn by 3 horses
1 Aerial truck.....	Drawn by 3 horses
1 Chief's wagon.....	Drawn by 1 horse

Station 2, Main St.

1 Hose wagon.....Drawn by 2 horses

Station 3, Hammond St.

1 Hose wagon.....Drawn by 2 horses

Station 4, Highland St.

1 Combination wagon, ladder, hose and sled.....Drawn by 2 horses
1 Steam fire engine.....Drawn by 2 horses

Station 5, State St.

1 Hose and chemical wagon.....Drawn by 2 horses
1 City service truck.....Drawn by 2 horses

Station 6, Center St.

1 Hose wagon.....Drawn by 2 horses
1 Steam fire engine.....Drawn by 2 horses

Winter Apparatus, Etc.

6 Hose sleds	1 Ladder sled	2 Exercising sleds
2 Chief's pungs	2 Chief's wagons	3 Exercising wagons
1 Hose wagon		

PERMANENT FORCE

The permanent force of the department consists of 1 chief, 3 district chiefs, 27 drivers, engineers, hose and ladder-men.

CALL FORCE

The call force consists of 7 captains, 8 lieutenants, and 55 hose and ladder-men.

HORSES

There is in the department 23 horses. Three new horses have been purchased this year. 1 for Station 6, 2 for Station 2.

HOSE

We have on hand 15,300 ft. of hose of which 9,300 ft. is in good condition and 6,000 ft. in second class. 29,000 ft. of hose was laid at fires during the year.

ALARMS

The department has responded to 250 calls during the year, of which 92 were bell alarms and 158 still calls. Of these calls 178 were in wooden buildings, 45 in brick and cement, 10 grass, 4 dump, 2 coal, 5 false, and 6 calls out of the city.

VALUATION AND LOSS

The value of property involved in fires during the year was \$728,350.28; Insurance \$471,063.54. Loss during the year \$35,480.54.

FIRE ESCAPES

Two fire escapes have been put on buildings during the year, one on the Palm Street School building and one on the Eastern Maine General Hospital building, State Street.

INSPECTIONS

The permanent men of the department have made several inspections of the business section of the city during the year, for the purpose of keeping the cellars and yards clear of rubbish and inflammable material.

RECOMMENDATIONS

The purchase of 1000 ft. of 2½ inch hose.

The purchase of a suitable conveyance for the use of the Chief of the Department.

The purchase of a Gasoline Tractor for the Aerial Truck, to take the place of the 3 horses that are now used.

CONCLUSION

In closing, I wish to thank His Honor, the Mayor, the City Government, Committee on Fire, Police Department, the Press, and all who have contributed to the success of the department.

To the Officers and Members of the department I extend thanks for their co-operation and efficient work during the year.

Respectfully yours,

PATRICK J. KELLEY,
Chief Engineer.

Report of Chief of Police

To His Honor the Mayor and the City Government:

Gentlemen:

I herewith submit the annual report of the Police Department for the municipal year ending February 28, 1917.

The past year with its State and National Elections and their accompanying rallies, the Street Car strike, the Fair and Festival and other matters have contributed to make the municipal year one to be remembered in the Police Department.

The different crowds however were handled by the men in a way that won the commendation not only of our own people but from people outside of the city.

The traffic regulations made considerable trouble at first but people generally soon became accustomed to them and before the end of the season things were going very smoothly.

It was necessary to have a complete over-hauling of the auto patrol in the height of the busy season, nothing having been done to it of that nature I am informed since it was purchased.

A steel garage has been built the past winter on the east side of City Hall and the car is now housed in fine shape.

The men were furnished with new caps and badges and our citizens seem to be well pleased with the change.

The following is a statement of the number of arrests for all causes the past municipal year.

Assault and battery.....	49
Assault.....	5
Assault with intent to rob	2
Assault with intent to kill.....	2
Attempting to commit larceny.....	2
Adultery.....	2
Attempting to break and enter.....	1
Assault with intent to maim and disfigure.....	1
Attempting to commit suicide.....	1
Affray.....	6
Assault with a dangerous weapon.....	1
Breaking and entering.....	18
Breaking, entering and larceny.....	4
Being a common railer and brawler.....	2
Being an idle and disorderly person.....	5
Cheating by false pretences.....	2
Common nuisance.....	7
Casting more than one vote at State and County election.....	1
Common night walker.....	1
Contempt of court.....	1
Drunkenness.....	2725
Desertion of wife and children.....	4
Danger of falling into habits of vice and immorality.....	1
Deserter from Navy.....	1
Exceeding speed limit with automobile.....	4
Evading car fare.....	5
Embezzlement.....	5
Evading auto fare.....	1
For other departments.....	11
Forgery.....	2
Fast driving a horse.....	2

Insane.....	6
Idle and disorderly person.....	4
Issuing a fraudulent check.....	2
Indecent exposure.....	4
Keeping a shop resorted to for gambling.....	3
Keeping a disorderly house.....	2
Larceny from the person.....	12
Larceny.....	57
Loitering.....	4
Lavicious and wanton person.....	1
Malicious mischief.....	9
Malicious vexing.....	3
Non-support.....	4
Operating an auto while under the influence of liquor.....	7
Operating an auto at a rate of speed greater than 15 miles an hour.....	2
Operating an auto recklessly.....	1
Operating an auto without a license.....	15
Operating an auto without number plates.....	6
Offering and exposing for sale adulterated food.....	1
Offering fruit for sale in the Public Streets without a license.....	1
Obstructing due course of justice.....	2
Prevention of cruelty to children.....	1
Profanely cursing and swearing.....	2
Robbery.....	2
Receiving stolen property.....	3
Receiving money from persons engaged in prostitution.....	1
Runaway boy.....	1
Search for intoxicating liquors.....	6
Search and seizure.....	31
Safe keeping.....	16
Selling mortgaged property without notice.....	1

Search for stolen property	2
Search for implements of gambling.....	1
Spitting in a public place.....	1
Setting fire.....	1
Single sale.....	1
Threatening to shoot.....	1
Threatening to commit an offense.....	4
Threatening to do bodily harm.....	1
Taking indecent liberties with a male child under 16 years old.....	1
Truancy	2
Unlawful depositing intoxicating liquors.....	30
Unlawful transporting intoxicating liquors.....	1
Violating City Ordinances.....	14
Violating parole.....	1
Vagabond and idle person.....	4
Total.....	3150
Shelters.....	581

POLICE AUTOMOBILE AND AMBULANCE SERVICE

Conveying people to different City Hospitals.....	40
Conveying people to the House of Correction.....	78
Number of calls responded to by Police Auto and Ambulance from March 1, 1916 to March 1, 1917.....	3184
Number of lost children found and returned to their parents.....	16
Doors found open on West side.....	136
Doors found open on East side.....	148
Safes found open on West side.....	5
Safes found open on East side	1

The report of the City Auditor will show the financial standing of the Department.

LINDLEY W. GILMAN,
Chief of Police.



Report of the Public Library



BOARD OF MANAGERS

1917-1918

John F. Woodman, (Mayor) *President*

Arthur Chapin

Frederic W. Adams

William F. Curran

Thomas G. Donovan (City Treasurer)

Daniel A. Robinson, *Vice President*

Charles F. Bragg

Bernhard Pol

Thomas U. Coe

Trustees of
Hersey Fund

Bangor
Mechanic
Association

SECRETARY AND TREASURER

Everett F. Rich

COMMITTEES

Auditing, Mr. Pol

Finance, Mr. Bragg

Library, Dr. Coe, Dr. Robinson, Mr. Chapin

Purchasing, Dr. Coe

OFFICERS OF THE LIBRARY .

LIBRARIAN

Charles A. Flagg, B. L. S.

Associate Librarian

Mrs. Mary H. Curran

Assistants

Miss Carrie C. Mayberry

Miss Carrie F. Rich

Miss Annie E. Wayland

Miss Pauline M. Murphy

Miss Grace H. Bolton

Miss Elisabeth H. Chapman

Miss Eva E. Rand

Miss Mary E. Casey

Miss Natalie Glass

Janitor

Timothy E. Hollihan

Assistant Janitor

Michael T. Connelly

REPORT OF THE TRUSTEES OF THE INCOME OF THE HERSEY FUND

BANGOR, February 13, 1917

To the City Council of the City of Bangor:

The Trustees of the Income of the Hersey Fund submit their annual report. They have received from the City Treasurer the sum of four thousand dollars (\$4000) in quarterly payments, which have been paid to the Treasurer of the Board of Managers of the Bangor Public Library.

They also submit, herewith, the annual reports of the Treasurer of the Board of Managers of the Bangor Public Library, and the Treasurer of the Board of Trustees of said Library, and of the Librarian, together with the Articles of agreement between the Trustees of the Hersey Fund and the Bangor Mechanic Association, May 21, 1883, and the City ordinance now in force relating to the Hersey Fund and the Public Library.

JOHN F. WOODMAN
FREDERIC W. ADAMS
THOS. G. DONOVAN
WM. F. CURRAN

Trustees of the Income of the Hersey Fund.

THE LIBRARY BOARDS

Under terms of the will of Hon. Samuel F. Hersey, who died in 1875, the City of Bangor was left a certain part of his estate, to become available in 1900 as a fund whose income should be used "for the promotion of education, the health and good morals of the citizens." The sum of \$100,000 was accepted by the City in 1882 in full of all claims against the Hersey estate, and the city government voted to use the entire sum for the establishment of a Public Library. The management of the legacy was entrusted to a board of five members, known as the "Trustees of the Income of the Hersey Fund," and consisting of the Mayor, the City Treasurer and three others, one elected each alternate year by the City Council for a term of six years. (Ordinance, as now in force, printed at end of this Report).

These Trustees agreed with the "Bangor Mechanic Association" (which had for many years maintained a library and reading room for its members) to combine interests and establish the "Bangor Public Library," with the 20,000 volumes of the Mechanic Association as a nucleus, and its \$12,000 of its invested funds and the \$100,000 Hersey Fund as endowments. The "Trustees of the Income of the Hersey Fund" and four representatives chosen annually by the "Bangor Mechanic Association" constitute the "Board of Managers of the Bangor Public Library." (The text of this agreement printed at the end of this Report).

When in 1893 the question of erecting a library building began to be agitated, the "Board of Managers" was incorporated under State law as the "Board of Trustees of the Bangor Public Library" with power to acquire and hold real estate; the personnel of the two bodies being the same but their functions quite distinct.

The Bangor Mechanic Association maintains its organization, holds an annual meeting the second Tuesday in January and the President, Vice President, Secretary and Treasurer elected at that time serve as members of the Board of Managers of the Bangor Public Library. The Association also administers the Mechanic Association Fund, its Treasurer turning the income over to the Library Board of Managers.

The Trustees also administer the J. F. Patten fund of \$4,000, bequeathed by Mrs. Grace D. Patten in 1900, in memory of her husband, and the Luther H. Peirce Fund of \$75,000, bequeathed in 1915; also the "Art Fund" which is the insurance on art objects destroyed in 1911, and was set aside in 1914 with that designation.

Reports of the Treasurer

EVERETT F. RICH, Treasurer,

In account with Managers of Bangor Public Library

GENERAL ACCOUNT

Dr.

1916			
Jan. 18	To cash on hand.....		\$843 28
1917			
Jan. 12	Receipts for year ending this date:		
	City of Bangor, Annual Approp- riation.....	\$9,000 00	
	City of Bangor, interest on Hersey Fund.....	4,000 00	
	Income from Bangor Mechanic Asso.....	360 00	
	Fines collected by Librarian.....	363 43	
	Cards and sundries.....	52 01	
	Interest on deposit Second Nat'l Bank.....	14 08	
		<hr/>	13,789 52
	Borrowed of Book Fund.....		1,000 00
			<hr/>
			\$15,632 80

Cr.

1917

Jan. 12 By Disbursements for year ending this date:

Salaries, Librarian, Associate Librarian, and assistants.....	\$7,024 79	
Substitutes and extra work.....	875 16	
Janitor and assistants.....	1,172 50	
Treasurer.....	50 00	
Telephone.....	54 65	
Gas.....	33 56	
Workmen's Compensation & Liability Ins.....	13 08	
Copy of Peirce will.....	1 00	
Renewal of Treasurer's Bond.....	5 00	
Library Art Club, annual assessment, 1916-7.....	6 00	
Traveling expenses of Librarian to Asbury Park Convention.....	45 20	
Expenses of Miss Bolton, inspecting Libraries.....	25 00	
Furniture and fittings.....	55 13	
Postage, stationery, blanks, etc.....	564 17	
Printing.....	267 12	
Janitor's supplies.....	335 95	
Repairs, carpenter work, etc.....	321 43	
Printed catalogue cards.....	225 00	
		\$11,074 74
Deposit in Second National Bank.....		4,558 06
		<hr/>
		\$15,632 80

Respectfully submitted,

EVERETT F. RICH,

Treasurer

Having examined the foregoing report of Everett F. Rich, Treasurer, I find the same correctly stated and properly vouched, and the deposit as stated, \$4,558.06.

BERNHARD POL,
Auditor.

Bangor, Maine, January 15, 1917.

EVERETT, F. RICH, Treasurer,

In account with Managers of Bangor Public Library

"BOOK FUND"

Dr.

1917		
Jan. 12	To balance from previous year.....	\$3,232 78
	Receipts for year ending this date:	
	Appropriation by State of Maine.....	\$830 00
	Dividends, Bangor Savings Bank.....	1 80
	Dividends, Penobscot Savings Bank..	33 63
		<hr/>
		865 43
		<hr/>
		\$4,098 21

Cr.

By expenditures for books:

Books, pamphlets, etc.....	\$1,825 36	
Periodical subscriptions.....	508 58	
Binding and repairs.....	294 09	
Transportation, express, freight, post- age, etc.	117 57	
Maps, prints, etc.....	13 75	
	<hr/>	
	\$2,759 35	
Loaned to General Expense account.....	1,000 00	
	<hr/>	\$3,759 35
Deposit in Merchants National Bank.....		338 86
		<hr/>
		\$4,098 21

Respectfully submitted,

EVERETT F. RICH,
Treasurer

Having examined the foregoing report of Everett F. Rich, Treasurer, I find the same correctly stated and properly vouched, and deposit as stated, \$338.86.

BERNHARD POL,

Auditor.

Bangor, Maine, January 15, 1917,

EVERETT F. RICH, Treasurer,

In account with the Trustees of Bangor Public Library

Dr.

1916

Jan. 15	To balance on hand.....	\$723 11
	Sale of \$2,000 Des Moines Electric Co., 5% bonds at 96 $\frac{3}{4}$	\$1,935 00
	Interest accrued.....	41 10
	Sale of Ea. Pennsylvania Power Co., 5% bond at 98.....	980 00
	Interest accrued.....	24 72
	Sale of Somerset Ry. Co., 5% bond at 99 $\frac{3}{4}$	997 50
	Interest accrued.....	24 03
	Sale of \$2,000 United Traction & Elec- tric Co., 5% bonds at 98 $\frac{1}{2}$	1,970 00
	Interest accrued.....	31 39
	Sale of Utica & Mohawk Valley Ry. Co., 4 $\frac{1}{2}$ % bond at 92.....	920 00
	Interest accrued.....	2 50
	City of Kingman, Kas., 4% bond called Interest accrued at 6%.....	1,000 00 17 67
	Sale of Chicago Telephone Co. Rights..	12 75
	Interest on bonds and dividends:	
	Utica & Mohawk Valley..	\$ 45 00
	United Traction & Elec- tric Co.....	50 00
	Racine Water Co.....	50 00
	Jacksonville Electric Co... ..	100 00
	Iowa Loan & Trust Co.	45 00
	City of Kingman, Kas.....	20 00

1917]

CITY OF BANGOR

181

Accrued interest on purchase of 83 shares, Chicago Telephone Co., July to Oct.....	62 25	
Quarterly dividend on 83 shares, Chicago Tel. Co., Jan. 1, 1917.....	166 00	
Dividend on 750 shares, Chicago Telephone Co., for 15 mos.....	7,500 00	
Dividends, Bangor Savings Bank.....	20 84	
	<hr/>	8,059 09
Sale of grass from Currier lot..		20 00
		<hr/>
		16,035 75
		<hr/>
		\$16,758 86

Cr.

By Disbursements:

Geo. H. Wilbur & Son, bal. contract.....	\$808 55	
Fred E. Eldridge Co., (½ bill), repairs.....	75 24	
Inheritance Tax on Legacy of Luther H. Peirce.....	\$5,602 50	
Less 5% discount.....	280 12	
	<hr/>	\$5,322 38
Chicago Tel. Co., 83 shares at par.....	8,300 00	
E. F. Rich, Sec. and Treas., salary.....	250 00	
Renewal of Treasurer's bond.....	20 00	
	<hr/>	\$14,776 17
Deposit in Bangor Savings Bank.....		1,982 69
		<hr/>
		\$16,758 86

Respectfully submitted,

EVERETT F. RICH,
Treasurer

Bangor, Maine, Jan. 15, 1917.

**Schedule of Securities Held by the Trustees of
Bangor Public Library**

Iowa Loan & Trust Company, 4½%.....	\$1,000 00
Jacksonville Electric Co., 5%, 1927.....	2,000 00
Racine Water Company, 5%, 1931.....	1,000 00
5 Shares, U. S. Worsted Co., 2d pref. stock.....	500 00
750 Shares, Chicago Telephone Company pref. stock, (received from Luther H. Peirce Estate).....	75,000 00
83 Shares, Chicago Telephone Stock, (by purchase).....	8,300 00
	<hr/>
Par value.....	\$87,800 00

I hereby certify that I have examined the foregoing account of Everett F. Rich, Treasurer of Trustees of Bangor Public Library, and find it correctly stated and sufficiently vouched, with \$1,982.69 on deposit and the securities \$87,800 in his custody as stated.

BERNHARD POL, Auditor.

Bangor, Maine, Jan. 15, 1917.

1917]

CITY OF BANGOR

183

EVERETT F. RICH, Treasurer of Patten Fund,

In account with Trustees of Bangor Public Library

Dr.

1916

Jan. 15 To balance on hand..... \$210 44

1917

Jan. 12 Receipts to date:

Bangor & Aroostook R. R. coupons..... \$50 00

Iowa Loan & Trust Co., coupons..... 100 00

Milwaukee Gas Light Co., coupons..... 40 00

Dividends Bangor Savings Bank..... 2 57

192 57

\$403 01

Cr.

By disbursements:

Lida L. Brown.....	\$128 00	
The Unversity Prints.....	21 00	
The Cadmus Book Shop.....	50 00	
The Publishers' Asso. of Canada.....	148 50	
		<hr/>
		\$347 50
Balance in Bangor Savings Bank.....		55 51
		<hr/>
		\$403 01

The following items show the investment of the Patten Fund for the Bangor Public Library, in custody of Everett F. Rich, treasurer.

Bangor & Aroostook R. R. Co., Piscataquis Div., No.		
76, due Jan. 1, 1943.....	\$1,000 00	
Iowa Loan & Trust Co., 5%, due 1922.....	2,000 00	
Milwaukee Gas Company, First Mort. 4%, due May		
1, 1927, No. 2739.....	1,000 00	
		<hr/>
		\$4,000 00

I hereby certify that I have examined the foregoing account of Everett F. Rich, Treasurer of the Trustees of Bangor Public Library on account of the Patten Fund, and find it correctly stated and sufficiently vouched, and the balance \$55.51 on deposit in the Bangor Savings Bank, and the securities \$4,000 in his custody as stated.

BERNHARD POL, Auditor.

Bangor, Maine, Jan. 15, 1917.

1917]

CITY OF BANGOR

185

EVERETT F. RICH, Treasurer of the Art Fund,

In account with Trustees of Bangor Public Library

Dr.

1916

Jan. 15	To balance on hand.....	\$639 20	
	Received from Bangor Savings Bank,		
	div.....	22 55	
		<hr/>	\$661 75

Respectfully submitted,

EVERETT F. RICH,

Treasurer

Bangor, Maine, January 15, 1917.

Report of the Librarian

To the Board of Managers of the Bangor Public Library:

I have the honor to submit the 34th annual report of the Bangor Public Library, covering the calendar year, 1916.

SIZE AND GROWTH

The number of volumes in the Library on Jan. 1, 1916 was 43,323. During the year there has been a net gain of 7,175.

This marks a considerable falling off in our rate of growth: the average for the six years since the fire of 1911 being 8,416 and that for the two preceding years beginning with the occupancy of the new building, 10,520.

An examination of the figures shows that while gifts have diminished 1,808 or nearly 30 per cent (owing to the fact that we accessioned large numbers of old government documents in 1916 and practically none in 1917), purchases have fallen off 2,555 or over 50 per cent.

Quite early in the year it became apparent that very little money was to be available for books.

The insurance fund of \$25,000 received between May 19 and June 27, 1911 in payment of the seven policies held on the old library was entirely used up Oct. 21, 1916. Could that sum have been devoted wholly to the replacement of the books destroyed or the purchase of newer and more desirable literature, the Library would to-day find itself much stronger in many departments than at present. Unfortunately the City appropriations have been so small in some years and notably

since the occupancy of the new building, that it has proven necessary to borrow \$9,114.35, or approximately one-third of the principal and interest of this fund, for current running expenses, diminishing our book fund to that extent.

For six months past, we have been following the only course open to us: cutting down book purchases to the lowest point. During that period very few new publications have been bought. The public, which had grown accustomed to expect the notable books of the day on our shelves and lists, has been quick to note the change.

The total additions, 7,448, included 2,405 volumes purchased, 4,601 received by gift, 421 by binding periodicals, and 21 from other sources.

273 volumes have been removed: including 156 worn out, 38 duplicates, 29 charged to borrowers and not returned, and 50 others.

Number of volumes in the Library Jan. 1, 1917, 50,498.

Statistics may be found in Appendix A-C, G.

OPENING, REGISTRATION AND CIRCULATION

The building has been open for reading and circulation of books every day throughout the year from 9 a. m. to 9 p. m. except Sundays and the following legal holidays observed by the banks:

New Year's day.....	Jan. 1
Washington's birthday.....	Feb. 22
Patriot's day.....	Apr. 19
Memorial day.....	May 30
Independence day.....	July 4
Labor day.....	1st Monday in Sept.
Thanksgiving.....	Last Thursday in Nov.
Christmas.....	Dec. 25

3,819 adults and 1,314 children have had Library cards in 1916; a total of 5,133. This is an increase of 188 over the preceding year.

One card has been issued to a non-resident and in 14 instances residents of other towns have had a special loan of individual books on deposit of their estimated cash value. A number of volumes have been loaned to other libraries.

In our own city, we are encouraging the use of so-called "institutional cards", for clubs, societies, schools, school grades, etc., the card being used by some designated official or by the teacher, in case of schools. This sort of registration allows unlimited number of books and for periods limited only when books are required by other users.

The total circulation for the year was 84,382, a small increase over 1915. The absence of new books from our open shelves during much of the year has tended to retard the circulation.

Of the books circulated 8,144 were classed as general works, and 56,375 as fiction, practically the same proportion as last year.

The Traveling library statistics are not included in the above figures, being entered in special tables.

There have been no important changes in our Loan Department work. The "Interest file" mentioned elsewhere serves as a sort of reserve system.

Statistics may be found in Appendix D-G.

TRAVELING LIBRARIES

During the year we have had four traveling libraries in use for longer or shorter periods at the North Bangor, Hillside and Bagley rural schools, and at the Western Union Telegraph office. Provision has been made for other such libraries if there is demand for them and suitable provision for their oversight.

These libraries are collections of about 50 books in strong wooden cases (for which we are indebted to the Manual Training Department of the High School). Each library center has its own registration and statistics which are not included in the totals in Appendix D-G.

See Appendix H.

DELINQUENT BORROWERS

This year's records show a slight decrease in number of 1st notices sent and a large decrease in 2d notices.

There has also been a considerable falling off in number of books lost and not paid for. This had assumed such proportions that special attention was called to it in last year's report. The financial loss is small, as probably the average value of the volumes would not greatly exceed 50 cents. This is so small that it seems unwise to institute civil proceedings for return, even where the borrower can be readily located. As a deterrent to this sort of dishonesty, we have asked this year's Legislature to enact a law making the detention of public library books after due notice has been given, a misdemeanor, punishable by fine or imprisonment. Such laws are in effect in other states.

Statistics are given in Appendix I.

243 names stand on our records representing individuals deprived of the use of the Library on account of fines unpaid or other penalties. This covers the three years since the occupancy of the new building, and we find that many of the parties named were transients and have left town.

GIFTS

The number of gifts recorded in the accession book, 4,601, has been exceeded but twice since 1911; 4,707 in 1914 and 6,469 in 1915. The great increase in 1915 was abnormal; due to the number of older U. S. Congressional documents we added that year.

The Schumann Club of Bangor gave us its entire musical library—a notable accession. Other large donors are, as usual, the Supt. of Documents, Washington, and the State of Maine; also the following individuals:

Mrs. Hannibal Hamlin
Mr. Walter L. Hubbard, Charleston
Mrs. Letitia F. Snow, South Orrington
Miss Elisabeth S. Talcott
Miss Amy C. Witherle, Castine
Rev. Alva R. Scott
Mr. James C. Stodder
Mrs. George B. Canney

Of the two bequests mentioned in last year's report, the Lynde estate is still unsettled; the Peirce securities are already in our Treasurer's hands.

For full list of donors see Appendix L.

SERIALS

In 1916 the Library received 234 current serials during the whole or a considerable part of the year. We were subscribers to 121 of them, while 113 were presented.

Extra copies of 18 magazines are taken for circulation, in some cases as many as eight copies being subscribed for. Six magazines are kept on the Juvenile tables.

The subscription lists tends to grow from year to year, despite the discontinuance of periodicals in some cases and the dropping of subscription, when demand seems too slight.

Most of the magazines we subscribe for have a real permanent value being indexed in some of the present series of periodical indexes. These indexes are practically all in the Library so the bound volumes of the magazines constitute valuable reference material.

In extending our subscription lists the effort is made to keep in touch with the orders of the other large libraries in the neighborhood, and especially the University of Maine. Except in case of the popular periodicals, one copy will serve a large community satisfactorily, while the money thus available can be profitably used to secure still different material of like nature.

Our accumulation of unbound magazines on the lower floor has been materially reduced during the year. First they were arranged alphabetically and then the letters A, B, C have been examined carefully, many volumes completed and bound, numbers torn apart for valuable articles or illustrations of merit, and the balance thrown away or sold for old paper, save in some few cases where a file has been kept unbound.

A list of serials currently received in 1916 will be found in Appendix M.

READING AND REFERENCE DEPARTMENTS

The increasing growth in use and popularity of these departments, adult and juvenile, is most encouraging. Only about a fifth of the population, young and old, native and foreign, are

registered borrowers. But a substantial number in addition are growing accustomed to resort to us for information, in person or by phone; to yield to the attractions of our enlarged open shelf sections, and the admirable selection of current periodicals. We believe this work is second to none: it is encouraged in various ways, especially by the strengthening of our reference department. We are now starting a file of "interested users," with the intention of apprising such individuals when anything comes in that is likely to interest them.

The following lists of the Library's resources in special subjects have been prepared and circulated in typewritten form.

Military science (prepared by Lieut. Clark, U. of M.)

Woman suffrage.

Libraries of Bangor.

Hampton Court.

State of Maine.

Sea, sea-coast and fishing stories.

Heroines of early epics, scriptures and sages.

Heroines of the drama.

A few heroines of familiar fiction.

} For
Teachers'
Club.

The printed list on scientific management is mentioned elsewhere. Sundry brief lists on subjects of interest have appeared in the Bangor Daily Commercial, and for some months we have distributed handy bookmarks with lists of special classes of stories, such as "Detective stories", "Southern stories," "Humorous books", etc., to the number of over a dozen.

For use of books from stacks, see Appendix J.

JUVENILE DEPARTMENT

This year in our Juvenile Department we are able to report an increase of nearly two hundred names of registered card holders. The circulation and reading room attendance increased proportionately.

Two uncommon opportunities were taken advantage of during the summer: the annual city missionary picnic at Riverside, and a benefit performance given to children at the Nickel theatre. On each occasion an informal talk regarding the Children's Department, its books, and its work, was given. In this way we were able to reach many children and to extend to them a cordial and urgent invitation to avail themselves of the Library privileges.

In the early fall small cards of introduction were printed for distribution among the children. These were planned with the idea of personally interesting each and every boy and girl in their own Department.

As an aid towards the care of books we are using slips, pasted in the front of each new volume, which state simply a few rules and suggestions as to how a book should and should not be treated.

The work, begun last year, of visiting the third grades of the Public Schools, was again carried on this fall. This proves to be a most satisfactory method of interesting children as the results are large and lasting.

The Story Hours commencing this year in November have been unusually successful. These are now held on Saturday mornings instead of in the afternoon, as has been the custom. Free admission tickets, an innovation, delight the children and give to the hour quite an air of importance.

Our annual Christmas Exhibit, planned with greatest care, advertised freely, and judged as being of exceptional excellence, was somewhat disappointing in the reception given it.

Three such exhibits have now been held, and while they may be resumed at some indefinite time in the future, there will be none in 1917. We have plans for new lines of experiment that may prove more generally interesting.

In the fall we sent our Children's librarian on a ten-days' visit to the libraries of Boston and eastern and central Massachusetts, with special instructions to observe their activities and tendencies in work with the children. The conference with specialists, the helpful suggestions received and the consciousness that we are in touch with the successful workers outside are all real sources of inspiration, and specially valuable in localities like our own far removed from library centres.

Statistics in Appendix D, E, F, K.

THE STAFF

In a library of this size it is impossible to maintain a rigid organization of departments; nearly all the assistants and all our substitutes work at the loan desk at one time or another, and half of them are subject to call in the Juvenile Department, while five serve as cataloguers when not needed elsewhere.

Mrs. Curran, the Associate Librarian, has continued her special work at home for us, but during the latter part of the year has been confined to her bed by serious illness.

Miss Wayland is in charge of the Reference work and binding, and acts as assistant in charge when the Librarian is absent: Miss Mayberry is head cataloguer, with Miss Murphy as assistant: Miss Rand serves as classifier: Miss Bolton is in charge of the Juvenile Department: and Miss Rich in charge

of Loan Desk. Miss Chapman serves in Loan and Juvenile Departments, and Miss Casey and Miss Glass in Cataloguing and Juvenile Departments.

There have been two resignations during the year: Miss Nellie L. Bullock (now Mrs. Banton) at the end of June; and Miss Marguerite Mills, who resigned in May, but later returned and was temporarily on the roll through July. The vacancies have been filled by the provisional appointments of Miss Mary E. Casey and Miss Natalie Glass, who had previously been on our substitute roll.

Two of our substitutes, Miss Helen E. Manuel and Miss May D. Yerxa, are now in service, the former as Librarian's secretary and order clerk, and the latter as typist in the Cataloguing Department.

Other substitutes now on our lists are Miss Ethel M. Barnes, Miss Christine L. Burnham, Miss Elaine Daley, Miss Ruth W. Hunt, Miss Marion M. Kenney, Miss Ruth M. Newcomb, Miss Ella A. Wheeler.

CLASS IN CATALOGUING

In the summer of 1916 the Library tried a notable experiment. Summer library schools are not uncommon, covering the whole field of librarianship, but a class devoted entirely to cataloguing is a novelty. In July and August last we had such a class, under the efficient direction of Miss Mayberry, our cataloguer. The necessity was very real; our most serious problem has always been the cataloguing of the thousands of volumes of the literature already here. Under the library policy of appointing assistants from the substitute list and enrolling substitutes among High School recent graduates or students, there was no chance of securing trained cataloguers.

Several, who seemed to have the necessary qualifications were invited to take the course, and it was generally understood that the vacancies of 1916 would be filled from those who did satisfactory work. There were eight enrolled: one assistant, six substitutes and one outsider.

All operations in the Cataloguing room were suspended during the four weeks of the course, but we feel well repaid in having a corps of substitutes to call on, who are able to help in this work if needed and who can devote odd moments to it, if summoned for general desk work.

CLASSIFICATION AND CATALOGUING

As stated in previous reports, all current accessions, new and old, are classified as soon as received. Of the three unclassified collections on hand a year ago, two have been substantially reduced: the publications of the various U. S. departments and the accumulation of unbound periodicals.

In the former, the documents emanating from the Department of Commerce have been completed as far as possible, bound in some cases, and incorporated in the main library. Large numbers of the unbound periodicals have been handled, as stated elsewhere.

The actual cataloguing of the books is still our greatest problem. Believing that this is to be the large reference library of Eastern Maine we have not been content with the simple methods in use in small village libraries, or even that recommended by some for a library of our present size, 50,000 volumes. We use with slight variations methods of the Library of Congress, just as we employ its printed cards.

Current books are merely listed at first, sent out into circulation at once, and catalogued fully when Library of Congress cards are in hand and the book is returned from circulation. During the summer the Cataloguing class and other things disarranged the procedure, so that filing of cards in our catalogues and cataloguing of new books fell behind.

This condition is only temporary and is being rapidly improved. On December 1 the cataloguing of new books was brought practically up to date and the energies of the Department are now turned toward the preparation of a Fiction finding list, which we hope to print when completed. Good progress is being made, several letters of the alphabet being already finished. Its completion will bring us to the greatest task of all—the cataloguing of the “older books” added since 1913 and at present simply arranged in the stacks in order of receipt.

Typewritten lists of additions have been posted as heretofore—18 during the year as compared with an average of 36 each for the two preceding years.

PUBLICATIONS

Our printed publications of 1916 included the annual reports for 1915 (reprinted from the Bangor City reports); “Serials currently received at the Bangor Public Library, September, 1916” and a series of bookmarks for free distribution.

We also purchased, and issued with our own imprint, lists entitled “Books on scientific management by C. B. Thompson” and “Books for Christmas for the children.”

The weekly news letter in the Saturday “Commercial” has been continued through the year with a few exceptions.

THE LIBRARY AS AN EDUCATIONAL CENTRE

The following organizations have used our lecture room in 1916: Bangor Historical Society; Athene Club; Athene Art Class; Alliance Francaise; Daughters of the American Revolution; Bangor Conference of Women's Clubs; Fotocraft (now Bangor Society of Art); Bangor Music Teachers; Nineteenth Century Club; Bangor Kindergarten Teachers; Woman's Republic; New Thought Centre; Law School Debaters; Bangor Bird Conservation Club.

The Library has maintained its membership in the Library Art Club, thereby providing for the public some interesting picture exhibitions. Other special exhibitions were V. Henne-
man's paintings in February under auspices of the Fotocraft, also a collection of war posters in March, by same society, and 4th annual exhibition of Fotocraft in May. In early June the Kindergartens of Bangor displayed a notable collection of cardboard models of the city's most important buildings.

In April, the Centennial of Penobscot County was appropriately celebrated in the Lecture room by the Bangor Historical Society.

There has been the usual attention to the needs of the study clubs, in purchase of books, preparation of lists, etc.

In our work with the schools the programme of previous years has been followed, the points of contact being the 3d and 6th grades and 2d year High School class. With the last group, the work has been somewhat extended, so that it includes addresses on Books and Libraries, covering two school recitation periods for the class as a whole, after which the entire class of over 200 visit us in sections of 10 for an hour and a half and are instructed in use of the Library, with definite practical problems.

LIBRARY MEETINGS AND RELATIONS WITH OTHER LIBRARIES

The annual meeting of the American Library Association was held at Asbury Park, N. J., the last week in June, 1916. Mr. Flagg was one of four Maine Librarians in attendance.

The Maine Library Association held two meetings during the year: annual meeting at Augusta in May and mid-year meeting at Portland in October. The Librarian was present at both.

There was no regular library school held in Maine during the year, but the Maine Library Commission conducted a series of four institutes at as many points in the State, the one at Machias being under Mr. Flagg's charge.

There was also a notable meeting of the Library Commission Workers of New England as guests of the Maine Library Commission in November.

As a member of our State Commission the Librarian finds it necessary to give considerable time to the general library interests of Maine.

As usual we have served other libraries with our books through inter-library loans and have borrowed in like manner from them for our patrons, when books desired were not available here.

OUTLINE FOR THE COMING YEAR

No progress has been made on the consolidation of our four card catalogues into one. The publication of the Fiction finding list upon which we are now engaged will be our first step, as the two Fiction catalogues will then have been combined and can be filed at once into the new Dictionary catalogue.

The other arrears: the absorption of the old Non-fiction catalogue; the U. S. Congressional and Departmental documents; the cataloguing of the older books long on hand; and the final examination of the remaining unbound periodicals, with view to binding or discarding—all these save only the first, we expect to reduce largely during the coming year.

Respectfully submitted,

CHARLES A. FLAGG, Librarian.

Bangor, Jan. 16, 1917.

APPENDIXES

APPENDIX A

Growth of the library in 1916, by class

	In Library Jan. 1 1916	Net addition 1916	In Library Jan. 1 1917
General works.....	4,109	721	4,830
Philosophy.....	564	107	671
Religion.....	1,785	332	2,117
Sociology.....	8,454	1,455	9,909
Philology.....	389	53	442
Natural science.....	1,838	540	2,378
Useful arts.....	3,751	766	4,517
Fine arts.....	1,607	818	2,425
Literature.....	2,487	289	2,776
Poetry and drama.....	2,227	158	2,385
Fiction.....	5,576	371	5,947
History.....	5,654	922	6,576
Description.....	1,962	283	2,245
Biography.....	2,920	360	3,280
Total.....	43,323	7,175	50,498

APPENDIX B

Growth of the Library, in 1916, by source

Number of volumes in Library, January 1, 1916.....	43,323
--	--------

Additions:

By purchase.....	2,405	
Gift.....	4,601	
Binding periodicals purchased.....	209	
Binding periodicals presented.....	212	
Exchange.....	16	
Re-accessioned.....	5	
	<hr/>	
Total gain.....		7,448

Withdrawals:

Worn out.....	156	
Duplicates removed.....	38	
Charged and not returned.....	29	
For contagious disease.....	9	
Lost and paid for.....	11	
Recorded by mistake.....	28	
Sold.....	2	
	<hr/>	
Total loss.....		273

Net gain during 1916..... 7,175

Number of books in Library, January 1, 1917 50,498

APPENDIX C

Binding and repair, 1916

Volumes of serials sent to bindery.....	735	
Books sent for binding and rebinding.....	1,648	
	<hr/>	
Total.....		2,383
Repaired by binders.....	53	
Repaired at Library, (estimate).....	100	
	<hr/>	
Total.....		153

APPENDIX D

Registration

	Main Library	Juvenile Dept.	Total
Registered card holders.....	3,819	1,314	5,133
Ordinary cards re-issued.....	252	106	358
Card holders having study cards.....	2,044	93	2,137
Study cards re-issued.....	3	0	3
Extra study cards issued.....	516	0	516
	<hr/>	<hr/>	<hr/>
Total cards issued.....	6,634	1,513	8,147

APPENDIX E

Circulation by class, 1916

	Main Library	Juvenile Dept.	Total
General works including unbound period- icals.....	7,489	655	8,144
Philosophy.....	620	6	626
Religion.....	485	72	557
Sociology.....	1,817	1,929	3,746
Philology.....	159	229	388
Natural science.....	581	176	757
Useful arts.....	1,515	489	2,004
Fine arts.....	1,129	267	1,396
Literature.....	2,068	613	2,681
Poetry.....	900	339	1,239
Fiction.....	42,008	14,367	56,375
History.....	2,328	684	3,012
Description.....	1,237	250	1,487
Biography.....	1,477	493	1,970
	<hr/>	<hr/>	<hr/>
Total.....	63,813	20,569	84,382

APPENDIX F

Circulation by month, 1916

	Main Library	Juvenile Dept.	Total
January.....	6,408	1,879	8,287
February.....	6,585	1,994	8,579
March.....	6,969	2,554	9,523
April.....	5,862	1,999	7,861
May.....	5,323	1,678	7,001
June.....	4,899	1,580	6,479
July.....	4,616	1,232	5,848
August.....	4,435	1,414	5,849
September.....	4,774	1,178	5,952
October.....	4,562	1,388	5,950
November.....	4,762	1,711	6,473
December.....	4,618	1,962	6,580
Total.....	63,813	20,569	84,382

APPENDIX G

Growth and circulation for 6 years

Year	Books in Library Jan. 1	Circulation
1911.....	69,845	22,755 (May-Dec.)
1912.....	7,127	54,259
1913.....	13,203	57,918
1914.....	22,282	75,682
1915.....	31,814	82,956
1916.....	43,323	84,382
1917.....	50,498	

APPENDIX H

Traveling Libraries

Centers	Registration	Cards		Circulation	
		Ordinary	Study	Fiction	Non-Fiction
North Bangor School.....	26	26	15	146	98
Hillside School.....	31	31	0	55	34
Bagley District School.....	29	29	13	90	73
Western Union Tel. Office.....	23	23	0	40	30
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	109	109	28	331	235

APPENDIX I

Overdue Books

Postal card notices sent in 1916.....	4,009
Second notices.....	123
Fines collected.....	\$363.43
Books lost and paid for.....	11
Books lost and not paid for.....	24

APPENDIX J

Books from Stack used in Reading Room**By class**

General works including unbound periodicals.....	537
Philosophy.....	55
Religion.....	44
Sociology.....	317
Philology.....	39
Natural science.....	117

Useful arts.....	293
Fine arts.....	185
Literature.....	378
Poetry.....	93
Fiction.....	122
History.....	405
Description.....	94
Biography.....	315
	<hr/>
Total.....	2,994

By month

January.....	308
February.....	295
March.....	391
April.....	267
May.....	290
June.....	172
July.....	86
August.....	131
September.....	190
October.....	316
November.....	274
December.....	274
	<hr/>
Total.....	2,994

APPENDIX K

Readers in Juvenile Department

January.....	1,029
February.....	1,043
March.....	1,242
April.....	920
May.....	650
June.....	760
July.....	628
August.....	623
September.....	556
October.....	665
November.....	790
December.....	1,293
	<hr/>
	10,199

APPENDIX L

Gifts to the Library during 1916

Giver	Books & Pamphlets	Serials	Other Things
Abbott School, <i>Farmington</i>	1	1	
Alexander, John W., Memorial Committee, <i>New York</i>	1		
Allan, William R., <i>Bangor</i>		16	
Alliance Francaise, <i>Paris</i>		78	
American Association for International Conciliation, <i>New York City</i>	4	26	
American Association for Labor Legislation, <i>New York City</i>	6		
American Congregational Association, <i>Boston</i>	1		
American International College, <i>Springfield, Mass.</i>	1		
American Iron & Steel Institute, <i>New York</i>		8	
American Jewish Committee, <i>New York City</i>	1		
American National Red Cross, <i>Washington, D. C.</i> ...		7	
American Pageant Association, <i>Boston</i>	1		
American Telephone & Telegraph Company, <i>New York City</i>	3		
Amerika-Institut, <i>Berlin, Germany</i>	3	5	
Amherst College, <i>Amherst, Mass.</i>	1		
Anti "Preparedness" Committee, <i>Washington, D. C.</i>	1		
Asiatic Society of Japan, <i>Tokio, Japan</i>	1		
Association of Life Insurance Presidents, <i>New York City</i>	3		
Atlantic Deeper Waterways Association, <i>Philadelphia, Pa.</i>	1	50	
Augusta, Me., <i>Lithgow Public Library</i>	2		
Austin, Hon. Richard W., <i>Washington, D. C.</i>	1		
Bachelor, Mr. & Mrs. A. C., <i>Bangor</i>	45		7

Giver	Books & Pamphlets	Serials	Other Things
Baltimore, Enoch Pratt Free Library.....	1		
Bangor and Aroostook Railroad, <i>Bangor</i>		13	
Bangor Auditor's Office	60	22	
Bangor Chamber of Commerce.....	6		
Bangor Children's Home.....	2		
Bangor, Christian Science Association.....		371	
Bangor High School.....	1	18	
Bangor Historical Society.....	2		
Bangor Independent Company.....		24	
Bangor Independent Congregational Society.....	1		
Bangor, Navy Recruiting Station.....	4		
Bangor Savings Bank.....	1		
Bangor, Superintendent of Schools.....	1		
Bangor Teachers' Club.....	1		
Bangor Theological Seminary.....	2		
Bangor Water Board.....	1		
Bangor, W. C. T. U.	16		
Barber Asphalt Paving Company, <i>Philadelphia, Pa.</i>	2		
Bass, J. P., Publishing Company, <i>Bangor</i> ,.....	1		
Bates College, <i>Lewiston</i>	1		
Beal Business College, <i>Bangor</i>	5		
Berger Manufacturing Company, <i>Canton, O.</i>		2	
Berwick Academy, <i>South Berwick, Me.</i>	1		
Bethlehem Steel Company, <i>Bethlehem, Pa.</i>	3		
Blackman, Alexander F., <i>Clayton, Mo.</i>	3		
Blanding, Edward M., <i>Bangor</i>		26	
Boardman, Mrs. Alma S., <i>Augusta, Me.</i>	79	205	6
Boody, John S. F., <i>Bangor</i>	16		
Boston and Maine Railroad, <i>Boston</i>	60		
Boston, Austro-Hungarian Consulate.....	1		
Boston Chamber of Commerce.....	1		
Boston College.....	2		
Boston Museum of Fine Arts.....	1	5	
Boston, Port and Seamen's Aid Society.....	1		
Boston Public Library.....		12	3

Giver	Books & Pamphlets	Serials	Other Things
Boston University.....	1		
Bowdoin College.....	6		
Braddock, Pa., Carnegie Free Library.....	2		
Bragg, Mrs. Norris E., <i>Bangor</i>	1	375	
Brett, Mr. William Howard, <i>Cleveland, O.</i>	1		
Brinkerhoff, Edgar D., <i>Fall River, Mass.</i>	3		
Brockton Public Library, <i>Brockton, Mass.</i>		25	
Brooklyn, Children's Museum.....		9	
Brooklyn Public Library, <i>Brooklyn, N. Y.</i>	1	7	
Brooks, Mrs. George, <i>Orrington, Me.</i>		90	
Brown, Miss Nellie, <i>Bangor</i>		8	
Brown, Mrs. W. E., <i>Bangor</i>	28	77	
Brown University, <i>Providence, R. I.</i>	1	10	
Bryant & Stratton Commercial School, <i>Boston, Mass.</i>	2		
Bryn Mawr College, <i>Bryn Mawr, Pa.</i>	2		
Bureau of Railway Economics, <i>Washington, D. C.</i>	4	38	
Burleigh, Hon. E. C., <i>Washington, D. C.</i>		1	
Burlington Free Public Library, <i>Burlington, Iowa.</i>	1		
Burlington, Vt., Fletcher Free Library.....	1		
Bush, Mary L., <i>New York City</i>	75		
Bush, Wendell, <i>New York City</i>	12		
Butler Brothers, <i>Chicago, Ill.</i>	1		
Callomon, B., <i>Pittsburgh, Pa.</i>	1		
Canney, Mrs. George B., <i>Bangor, Maine</i>	76	3	149
Caproni, P. P. and brother, <i>Boston, Mass.</i>	3		
Cardinal Mercier Fund, <i>Baltimore, Md.</i>	1		
Carnegie Endowment for International Peace, <i>Washington, D. C.</i>	1	6	
Carnegie Hero Fund Commission, <i>Pittsburgh, Pa.</i> ...	1		
Carnegie Institute of Technology, <i>Pittsburgh, Pa.</i> ...	2		
Case School of Applied Science, <i>Cleveland, Ohio</i>	1		
Catholic University of America, <i>Washington, D. C.</i>	2		
Champlain Society, <i>Ontario, Canada</i>	1		

Giver	Books & Pamphlets	Serials	Other Things
Channel Publishing Society, <i>Los Angeles, California</i>		4	
Chapman, Mrs. Harry J., <i>Bangor</i>		13	
Chelsea Public Library.....	1		
Chilcott, Dr. Langdon S. <i>Bangor</i>	1		
Citizens' League for America & the Allies, <i>Boston, Mass.</i>	1		
Clark, Miss Elizabeth I. <i>Bangor</i>	1		
Clark, Mrs. J. G., <i>Bangor</i>	2	6	2
Clark College, <i>Worcester, Mass.</i>	1	2	
Clef, <i>Kansas City</i>		9	
Coburn Classical Institute, <i>Waterville, Me.</i>	1		
Colby Academy, <i>New London, N. H.</i>		12	
Colby College, <i>Waterville, Me.</i>	2		
Coleman, Watson E., <i>Washington, D. C.</i>	2		
Collins, Charles W., <i>Boston, Mass.</i>	1		
Colorado State Normal School, <i>Gunnison, Col.</i>	1		
Colson, Mrs. Ella D., <i>Carmel, Me.</i>	1		
Columbia Record, <i>Columbia, S. C.</i>		1	
Columbia University, <i>New York</i>	12	8	
Columbia University, Teachers' College, <i>New York City</i>	1		
Conference Committee of Managers, <i>New York</i>	2		
Congregational Conference & Missionary Society of Maine, <i>Portland, Maine</i>	2	3	
Cornell University, <i>Ithaca, N. Y.</i>	1	3	
Crosby, James H., <i>Bangor</i>	1	58	
Crosby, Miss Mary, <i>Bangor</i>		21	
Crowl, G. M., <i>San Dimas, Calif.</i>	1		
Dartmouth College, <i>Hanover, N. H.</i>	1		
Daughters of the American Revolution, National Society, <i>Washington, D. C.</i>		12	
Davenport, Mrs. & Merrill, Miss M. E., <i>Bangor</i> ...	14	312	
Delagrave, Ch., <i>Paris, France</i>		1	
Denver & Rio Grande Railroad, <i>Denver, Col.</i>	10		

Giver	Books & Pamphlets	Serials	Other Things
Deutsche Bank, <i>New York City</i>	1		
Dexter Town Library, <i>Dexter, Me</i>	1		
Dickey, Miss Jennie A., <i>Bangor, Me</i>	2		
Dillingham, E. F., <i>Bangor, Me</i>	69	64	2
Domestic Sugar Producers, <i>New York</i>		5	
Dow, Miss Ada., <i>Bangor, Me</i>	87	15	
Drama League of America, <i>Chicago, Ill</i>	1		
Dunton, M. W., Company, <i>Providence, R. I</i>	1		
East Maine Conference Seminary, <i>Bucksport, Me</i>	1		
Eastern Maine General Hospital, <i>Bangor, Me</i>	1		
Elliot, Howard, <i>New York City</i>	4		
Fairmount Park Art Association, <i>Philadelphia, Pa</i>	1		
Farnsworth, Edward C., <i>Portland, Maine</i>	1		
Federal Council of the Churches of Christ in America, <i>New York</i>	1		
Fisher, Hon. Walter L., <i>Washington, D. C</i>	1		
Flagg, C. A., <i>Bangor, Me</i>	5	11	
Fletcher, Hon. Duncan U., <i>Washington, D. C</i>	4		
Flora MacDonald College, <i>Red Springs, N. C</i>	1		
Fotocraft, <i>Bangor, Me</i>	3		
France, Office National de Universites et Ecoles, <i>Paris, France</i>	2		
Frantzius, Fritz von., <i>Chicago, Ill</i>	4		
Fuehr, K. A., <i>New York</i>	4	18	
Fuller, Mr. H. J., <i>New York</i>	1		
Gallupe, Miss Lucy E., <i>Bangor, Maine</i>		4	
Garland, Miss Mabel, <i>Bangor, Maine</i>	3		
General Education Board, <i>New York</i>	1		
General Electric Company, <i>Schenectady, N. Y</i>		12	
George Washington University, <i>Washington, D. C</i>	1		
Godfrey, Mrs. Abbie P., <i>Bangor, Maine</i>	5	18	1
Goodale, Geo. B., <i>Bangor, Maine</i>		32	
Goodrich, B. F., Company, <i>Boston, Mass</i>	19		8
Good Housekeeping Magazine, <i>New York</i>	1		
Gordon, Armistead C., <i>Richmond, Va</i>	1		

Giver	Books & Pamphlets	Serials	Other Things
Gould's Academy, <i>Bethel, Maine</i>	2		
Grand Rapids Public Library, <i>Michigan</i>	1		
Great Britain, Embassy, <i>Washington, D. C.</i>		1	
Greely Institute, <i>Cumberland Centre, Me.</i>	1		
Greenacre, Miss Mary, <i>Bangor, Maine</i>		3,000	
Guernsey, Hon. Frank E., <i>Washington, D. C.</i>	12		
Haines, Mrs. Flora E. H., <i>Bangor, Maine</i>	58	8	6
Hall, Edwin O., <i>Bangor, Maine</i>	13		
Hall, Mrs. Edwin O., <i>Bangor, Maine</i>	2		
Hamlin, Mrs. Hannibal, <i>Bangor, Maine</i>	292		
Hammond, Geo. T., <i>Brooklyn, N. Y.</i>	1		
Harder, Erwin E., <i>Chicago, Ill.</i>			1
Hardwood Company, <i>Chicago, Ill.</i>		24	
Hartford Public Library, <i>Conn.</i>	1	4	
Harvard University, <i>Cambridge, Mass.</i>	1		
Harvard University, Summer School Office, <i>Cambridge, Mass.</i>			1
Hatch, Dr. Louis C., <i>Bangor, Maine</i>	21	10	
Hawes, Capt. L. L., <i>Somerville, Mass.</i>	5	23	
Heath, Mrs. H. C., <i>Bangor, Maine</i>		47	
Heath, Mrs. Herbert M., <i>Augusta, Maine</i>	1		
Hebron Academy, <i>Hebron, Maine</i>	4		14
Hennessy, Wilfred, <i>Bangor, Maine</i>	126	24	7
Herne, W. W., <i>Ontario, Canada</i>		2	
Higgins, Walter S., <i>Bangor, Maine</i>	1		
Higgins, Mrs. Walter S., <i>Bangor, Maine</i>	2	14	
Hinckley, Mrs. Frank, <i>Bangor, Maine</i>	26		
Hispanic Society of America, <i>New York</i>	13		
Holmes, F. R., <i>Newark, N. J.</i>	1		
Holy Cross College, <i>Worcester, Mass.</i>	3	1	
Home Market Club, <i>Boston, Mass.</i>	6	12	2
Hosmer, Miss, <i>Roxbury, Mass.</i>	1		
Houghton, Mifflin Company, <i>Cambridge, Mass.</i>		3	
Hoxie, R. L., <i>Washington, D. C.</i>	1		
Hubbard, Walter L., <i>Bangor, Maine</i>	292	200	

Giver	Books & Pamphlets	Serials	Other Things
Huber, G. F., <i>Goshen, Indiana</i>	2		
Hughes National College League, <i>N. Y.</i>	1		
Hunt, Dr. Barbara, <i>Bangor, Maine</i>		42	
Hunt, Dr. Walter L., <i>Bangor, Maine</i>	1		
Hunt, Mrs. W. H., <i>Bangor, Maine</i>		52	
Huston, A. J., <i>Portland, Maine</i>			1
Illinois University, <i>Urbana, Ill.</i>	2	6	
Indian Rights Association, <i>Philadelphia, Pa.</i>		7	
Indiana University, <i>Bloomington, Ind.</i>	1		
International Correspondence Schools, <i>Scranton, Penn.</i>		12	
Iyenaga, Dr. Loyokichi, <i>New York</i>	1		
Jelliffe, Dr. Smith Ely, <i>New York</i>	11		
Jersey City Free Public Library, <i>N. J.</i>		2	
Johns Hopkins Press, <i>Baltimore, Md.</i>	1		
Johns Hopkins University, <i>Baltimore, Md.</i>	1		
Josselyn Botanical Society, <i>Portland, Maine</i>	4		
Joy, Miss Clara F., <i>Bangor, Maine</i>			44
Kalm, Otto H., <i>New York</i>	1		
Kelley, Edward H., <i>Bangor, Maine</i>		28	
Kennedy, Charles F., <i>Bangor, Maine</i>	6		
Kent's Hill Seminary, <i>Kent's Hill, Maine</i>	1	1	
Knowles, Mrs. Marietta, <i>Bangor, Maine</i>	1		
Krmpotich, Rev. M. D., <i>Kansas City, Kan.</i>	1		
Ladies' Review, <i>Port Huron, Mich.</i>		12	
Lake Mohonk Conference on International Arbitration, <i>Mohonk, N. Y.</i>	2		
Lake Mohonk Conference on the Indian and other Dependent Peoples, <i>Mohonk, N. Y.</i>	1		
Lander, Miss Laura E., <i>Bangor, Maine</i>	2		
Langah, David, <i>St. Louis, Mo.</i>	1		
Lasell Seminary, <i>Auburndale, Mass.</i>	1		
Latin-American News Association, <i>New York</i>	6		
Leighton, Vernon, <i>Bangor, Maine</i>		40	

Giver	Books & Pamphlets	Serials	Other Things
Lord's Day League of New England, <i>Boston, Mass.</i>	2		
Loring, Short & Harmon, <i>Portland, Me.</i>		4	
Los Angeles City auditor, <i>California</i>	1		
Los Angeles Public Library, <i>California</i>	1		
Louisiana Society for the Prevention of Cruelty to Children, <i>New Orleans, La.</i>	1		
Lynn Public Library, <i>Lynn, Mass.</i>	1		
Lyon, Mrs. John H., <i>Bangor, Maine</i>	42		
McAdoo, Hon. William G. <i>Washington, D. C.</i>		1	
McFarland, William, <i>Bangor, Maine</i>		217	
McFaul, F., <i>Taunton, Mass.</i>	1		
McLaughlin, Miss Florence E., <i>Bangor, Me.</i>	1		
Macmillan Company, <i>New York</i>	1		
McSkimmon, Miss Anna, <i>Bangor, Maine</i>	1		
Maine Agricultural Experiment Station, <i>Orono, Maine</i>	1	10	
Maine Association of the New-Church, <i>Bath, Maine</i>	1		
Maine Blue Book, <i>Orono, Maine</i>	1		
Maine Central Institute, <i>Pittsfield, Me.</i>	2		
Maine Central Railroad Company, <i>Portland, Maine</i>	43		
Maine, Eastern State Normal School, <i>Castine, Maine</i>	2		
Maine, Farmington State Normal School, <i>Farmington, Maine</i>	2		
Maine Forestry Association, <i>Bangor, Me.</i>		6	
Maine State Board of Health, <i>Augusta, Me.</i>		3	
Maine State Library, <i>Augusta, Maine</i>	45	8	
Maine, University of, <i>Orono, Maine</i>	3	1	
Maine, University of, College of Law, <i>Bangor, Maine</i>		8	
Maison de la presse, <i>Paris, France</i>	1		
Malden Public Library, <i>Malden, Mass.</i>	1		
Massachusetts Agricultural College, <i>Amherst, Mass.</i>	1		

Giver	Books & Pamphlets	Serials	Other Things
Massachusetts Charitable Mechanic Association, <i>Boston, Mass.</i>	1		
Massachusetts Federation of Planning Boards, <i>Cambridge, Mass.</i>		2	
Massachusetts Homestead Commission, <i>Boston, Mass.</i>	2	7	
Massachusetts Institute of Technology, <i>Cambridge, Mass.</i>		1	
Massachusetts State Board of Health, <i>Boston, Mass.</i>	1		
Massachusetts State Ornithologist, <i>Boston, Mass.</i>		1	
Massachusetts State Library, <i>Boston, Mass.</i>	1		
Mast, Mrs. J. N., <i>Ottumwa, Iowa</i>	2		
Maxim, Hudson, <i>New York</i>	2		
Merrill, Miss Mary H., <i>Bangor, Maine</i>	4		
Michigan Historical Commission, <i>Lansing, Michigan</i>	3	7	
Military Order of the Loyal Legion of the U. S. Maine Commandery, <i>Portland, Maine</i>		7	
Milwaukee Public Library, <i>Milwaukee, Wisconsin</i>	1		
Minneapolis, Minn., Board of Park Commissioners	1		
Minneapolis Public Library, <i>Minn.</i>	1		
Minneapolis, Minn., Supt. of Public Schools.....	5		
Moffat, Yard & Company, <i>New York</i>	1		
Mooney, John P., <i>Bangor, Maine</i>	1		
Moore, Hon. J. Hampton, <i>Washington, D. C.</i>	2		
Mount Holyoke College, <i>South Hadley, Mass.</i>	2		
National American Suffrage Association, <i>New York</i>	2		
National Association of Manufacturers, <i>New York</i>	1		
National Cannery Association, <i>Washington, D. C.</i> ...	1		
National Child Labor Committee, <i>New York</i>	12	6	1
National Civil Service Reform League, <i>New York</i>	2	10	
National "Clean up" and "paint up" Campaign Bureau, <i>St. Louis, Mo.</i>	1		

Giver	Books & Pamphlets	Serials	Other Things
National Fertilizer Association, <i>Chicago, Ill.</i>		13	
National Foreign Trade Council, <i>New York</i>	1		
National Municipal League, <i>Philadelphia, Pa.</i>	1		
National Short Ballot Organization, <i>New York</i>	1	5	
National Tax Association, <i>New York</i>	1		
National Wholesale Liquor Dealers Association, <i>Cincinnati, O.</i>	1		
Neis, Miss Anna M., <i>Everett, Mass.</i>	1		
Nestle's Food Company, <i>New York</i>		2	
New Century Corporation, <i>Point Loma, Cal.</i>		12	
New England Conservatory of Music, <i>Boston, Mass.</i>	2		
New Hampshire College, <i>Dunham, N. H.</i>	1		
New Hampshire Historical Society, <i>Concord, N. H.</i>	1		
New Haven Free Public Library, <i>Conn.</i>	1	4	
New Orleans Public Library, <i>La.</i>	1		
New York, Board of Water Supply.....	1		
New York, Church of Latter Day Saints.....	1		
New York City Shakespeare Tercentenary Cele- bration.....	1		
New York Civil Service Reform Association, <i>New York City</i>	1		
New York College of Dental & Oral Surgery, <i>New York City</i>	1		
New York, College of the City of New York.....	1		
New York Merchant's Association.....	3		
New York, National City Bank.....		12	
New York, New Haven & Hartford Railroad Company, <i>Hartford, Conn.</i>	26		
New York, New Haven & Hartford Railroad Company, Executive Assistant, <i>Hartford, Conn.</i>	4		
New York Public Library.....	8	23	
New York, Republican Club.....	1		
New York School of Philanthropy, <i>New York City</i>	1		

Giver	Books & Pamphlets	Serials	Other Things
New York Short Ballot Organization, <i>New York City</i>	1		
New York State Board of Charities, <i>Albany, N. Y.</i>	1	1	
New York State College of Agriculture, <i>Ithaca, N. Y.</i>			
New York State Library, <i>Albany, N. Y.</i>	4		
New York State Museum, <i>Albany, New York</i>	1		
New York State University, <i>Albany, N. Y.</i>	13	2	
Newark, N. J., Committee of One Hundred.....	1		
Newark, N. J., Free Public Library.....	2		
Noble, <i>Mrs. Frances, Bangor, Maine</i>	2		
O'Leary, <i>Cornelius J., Bangor, Maine</i>		93	
Olmsted, <i>Mrs. Ellen W., Bangor, Maine</i>	59	190	
Open Court Publishing Company, <i>Chicago, Ill.</i>	1		
Orange, N. J., Children's Aid and Protective Society of the Oranges.....	1		
Oriental Esoteric Library League, <i>Washington, D. C.</i>		25	
Osaka Public Library, <i>Osaka, Japan</i>	1		
Ottawa, Carnegie Public Library, <i>Canada</i>	2		
Overlock, <i>Mr. M. G., Worcester, Mass.</i>	1		
Pageant Drama Association, <i>St. Louis, Mo.</i>	1		
Pan American Scientific Congress, Executive Committee, <i>Washington, D. C.</i>	1		
Panama-Pacific International Exposition, <i>San Francisco, Cal.</i>	1		
Paris, Chambre de commerce, <i>Paris, France</i>	6	23	
Parker, <i>Sir Gilbert, London, England</i>	54	9	
Patch, <i>Hon. Willis Y., Bangor, Maine</i>	2	2	
Paterson, N. J., Free Public Library.....	1		
Pawtucket, R. I., Deborah Cook Sayles Public Library.....	1		
Peabody Institute Library, <i>Peabody, Mass.</i>	1	2	
Peirce, <i>Mellen C., Bangor, Maine</i>	1		
Peirce, <i>Mrs. M. C., Bangor, Maine</i>	1		1
Pennell Institute, <i>Gray, Maine</i>	2		

Giver	Books & Pamphlets	Serials	Other Things
Pennsylvania, Department of Labor and Industry, <i>Harrisburg, Pa.</i>	1		
Pennsylvania, Free Library Commission, <i>Harrisburg, Pa.</i>		4	
Pennsylvania Museum and School of Industrial Art, <i>Philadelphia, Pa.</i>	2		
Pennsylvania Printing Department, <i>Harrisburg, Pa.</i>	1		
Pennsylvania Prison Society, <i>Philadelphia, Pa.</i>		1	
Pennsylvania Railroad System, <i>Philadelphia, Pa.</i>	1		
Pennsylvania University, <i>Philadelphia, Pa.</i>	2		
Perkins, H. E., <i>Washington, D. C.</i>	1		
Perry, Charles F., <i>Bangor, Maine</i>	1	1	
Phillippine Islands, Dept. of Public Instruction, <i>Manila</i>	1		
Phillips Exeter Academy, <i>Exeter, N. H.</i>	1	2	
Pitman, Isaac & Sons, <i>New York</i>	7		
Polk, William M., <i>New York</i>	2		
Porter, The Misses Rhoda J. and Mary S., <i>Bangor, Maine</i>	3		
Portland, Me. Public Library.....	1		
Portland, Oregan, Library Association.....	1		
Poughkeepsie, N. Y., Adriance Memorial Library.....	1	5	
Pratt Institute, <i>Brooklyn, N. Y.</i>	2		
Pratt Institute Free Library, <i>Brooklyn, N. Y.</i>	1		
Princeton University, <i>Princeton, N. J.</i>	1		
Protestant Episcopal Church, Diocese of Maine, <i>Portland, Maine</i>		10	
Providence Public Library, <i>Providence, R. I.</i>	1		
Pullen, Mrs. Horace M., <i>Bangor, Maine</i>	77		
Quinby, Mrs. Herbert C., <i>Bangor, Maine</i>	21		
Quinn, Miss Marie, <i>Bangor, Maine</i>	4		
Quezon, Manuel L., <i>Washintgon, D. C.</i>		5	
Railway Executive's Advisory Committee, <i>New York</i>	1		

Giver	Books & Pamphlets	Serials	Other Things
Rensselaer Polytechnic Institute, <i>Troy, N. Y.</i>	1		
Review of Religions, The Manager, <i>Punjab, India</i>		9	
Reynolds, Henry G., <i>Bangor, Maine</i>	78		
Ricker Classical Institute, <i>Houlton, Maine</i>	1		
Riverside Public Library, <i>Riverside, California</i>	1		
Roberts, Miss Charlotte, <i>Bangor, Me.</i>	52		
Robinson, Frank H., <i>Bangor, Maine</i>	11		
Robinson, George T., <i>Bangor, Maine</i>	4		
Rockefeller, John D., Jr., <i>New York</i>	1		
Rockefeller Foundation, <i>New York</i>	2	1	
Rogers, Fred P., <i>Bangor, Maine</i>	13	8	
Rosenberg Library, <i>Galveston, Texas</i>		1	
Rosierucian Fellowship, <i>Oceanside, Cal.</i>		3	
Rowe, Miss Mary L., <i>Bangor, Maine</i>	16		
Rumford Press, <i>Concord, N. H.</i>	1		
Russell Sage Foundation, <i>New York</i>	1	6	
St. John Free Public Library, <i>St. John, N. B.</i>	1		
St. Louis Mercantile Library, <i>St. Louis, Mo.</i>	1		
St. Louis Public Library, <i>St. Louis, Mo.</i>		12	
San Francisco Chronicle, <i>California</i>	1		
Sawyer, Robert W., <i>Bangor, Maine</i>	11		
School News Company, <i>New York</i>		38	
Schumann Club, <i>Bangor, Maine</i>	6		333
Scott, Rev. Alva R., <i>Bangor, Maine</i>	134	86	
Scott, Col. H. B., <i>Burlington, Iowa</i>	1		
Scranton Public Library, <i>Scranton, Pa.</i>	1		
Seattle Public Library, <i>Seattle, Wash.</i>	1		
Simmons College, <i>Boston, Mass.</i>	2		
Sleeper, John F., <i>Santa Barbara, Calif.</i>	1		
Smith, Mrs. Chetwood, <i>Worcester, Mass.</i>	1		
Smith, Edgar F., <i>Philadelphia, Pa.</i>	1		
Smith College, <i>Northampton, Mass.</i>	2		
Smithsonian Institution, <i>Washington, D. C.</i>	91	21	
Snow, Mrs. Letitia F., <i>South Orrington, Maine</i>	115		

Giver	Books & Pamphlets	Serials	Other Things
Sprague, John F., <i>Dover, Maine</i>	1		
Sprague, Wm. H., <i>New York</i>	14		
Spratt, Miss Mary, <i>Bangor, Maine</i>	1	68	
Springfield, Board of Trade, <i>Massachusetts</i>	1		
Springfield, Mass., City Library Association.....	1		
Stanton, G. Smith, <i>Great Neck, N. Y.</i>	1		
Stearns, Frank, H., <i>Boston, Mass.</i>	1		
Stephen, S. Ivor, <i>New York</i>	1		
Stephenson, Hon. Isaac, <i>Marinette, Wis.</i>	2		
Stetson, Augusta E., <i>New York</i>	1		
Stetson, Col. I. K., <i>Bangor, Maine</i>	1		
Stetson, Mr. Simeon, <i>Bangor, Maine</i>		13	
Stevens, George H., <i>Newark, N. J.</i>	1		
Stewart, Miss Lucy Shelton, <i>Evanston, Ill.</i>	1		
Stodder, James C., <i>Bangor, Maine</i>	94	12	
Stone, Mrs. John H., <i>Bangor, Maine</i>		290	
Strickland, Miss Anna, <i>Bangor, Maine</i>		233	
Stuart, Mrs. Charles, <i>Bangor, Maine</i>	1	189	
Students of the Plan, <i>Joplin, Mo.</i>	6		
Sullivan, Rev. John J., <i>Fort Fairfield, Maine</i>	23		
Swift & Company, <i>Chicago, Ill.</i>	1		
Talcott, Miss Elizabeth S., <i>Bangor, Maine</i>	198		
Tavener, Hon. Clyde H., <i>Washington, D. C.</i>	2		
Taylor, J. T., <i>Bangor, Maine</i>		17	
Theosophical Society, <i>Brooklyn, N. Y.</i>		4	
Thompson, Mrs. Wm. P., <i>Bangor, Maine</i>		125	
Thornton Academy, <i>Saco, Maine</i>	1		
Thurston, Mrs. Charlotte M., <i>Bangor, Maine</i>		29	
Torricelli, A. H., <i>Hampden Highlands, Maine</i>	3		
Treat, William, <i>Bangor, Maine</i>	39		
Tribou, Rev. David Howard, <i>Bucksport, Maine</i>	19		
Trinity College, <i>Washington, D. C.</i>	2		
Tufts College, <i>Tufts College, Mass.</i>	2		
United Shoe Machinery Company, <i>Boston, Mass.</i> ...	1		
U. S. Department of Agriculture, <i>Washington, D. C.</i>	11	5	12

Giver	Books & Pamphlets	Serials	Other Things
U. S. Department of Commerce, <i>Washington, D. C.</i>	308	53	2
U. S. Department of State, <i>Washington, D. C.</i>	1		
U. S. Department of the Interior, <i>Washington, D. C.</i>	3	21	52
U. S. Federal Trade Commission, <i>Washington, D. C.</i>	1		
U. S. Military Academy, <i>West Point, N. Y.</i>	2		
U. S. National Museum, <i>Washington, D. C.</i>	28	21	
U. S. Naval Academy, <i>Annapolis, Md.</i>	2		
U. S. Postal Savings System, <i>Washington, D. C.</i>	1		
U. S. Superintendent of Documents, <i>Washington, D. C.</i>	523	873	37
U. S. War Department, <i>Washington, D. C.</i>	9		
United States Brewer's Association, <i>N. Y.</i>	1		
University of Chicago Press, <i>Chicago, Ill.</i>	1		
Vassar College, <i>Poughkeepsie, N. Y.</i>	1		
Vedanta Centre, <i>Boston, Mass.</i>		12	
Venn, Theodore, J., <i>Chicago, Ill.</i>	2		
Vermont University, <i>Burlington, Vt.</i>	4		
Walker, Miss A. C., <i>Bangor, Maine.</i>	3		
Walker, J. P., <i>Bangor, Maine.</i>	4	25	
Walz, William E., <i>Bangor, Maine.</i>	43	112	2
Wanderer Printing Company, <i>St. Paul, Minn.</i>	1		
Ward, John & Son, <i>New York.</i>	1		
Washington, D. C., Public Library.....	6		
Washington, University, <i>Seattle, Washington.</i>		1	
Webb, Harold S., <i>Bangor, Maine.</i>	4		
Webb, Miss Josephine, <i>Bangor, Maine.</i>		50	
Webster, Miss Mary L., <i>Bangor, Maine.</i>		6	
Wellesley College, <i>Wellesley, Mass.</i>	2		
Westminster Public Libraries Committee, <i>London, England.</i>	1		
Wheaton College, <i>Norton, Mass.</i>	2		
Wheelwright, Miss Helen, <i>Bangor, Maine.</i>	3		

Giver	Books & Pamphlets	Serials	Other Things
Whiteley, James Gustavus, <i>Baltimore, Md.</i>	1		
Wilkes-Barre, Pa., Osterhout Free Library.....	1	9	
William and Mary College, <i>Williamsburg, Va.</i>	4		
Williams College, <i>Williamstown, Mass.</i>	1		
Wilmington Institute Free Library, <i>Wilmington, Delaware.</i>	1	2	
Wilson, The H. W., Company, <i>White Plains, N. Y.</i>	1		
Wing, Wilson D., <i>Bangor, Maine</i>	12		
Wisconsin Library Commission, <i>Madison, Wis.</i>	1		
Witkop, Dr. Philipp, <i>Freiburg, Germany</i>	1		
Woman's Christian Temperance Union, National, <i>Evanston, Ill.</i>		9	
Woman's Peace Party, <i>Boston, Mass.</i>	1		
Women's Relief Corps, Department of Maine, <i>Bangor, Maine</i>	36		
Woodland Public Library, <i>Woodland, Maine</i>	1		
Worcester, Mass., Free Public Library.....	1	6	
Worcester Polytechnic Institute, <i>Worcester, Mass.</i>	1		
World Peace Foundation, <i>Boston, Mass.</i>		4	
Yale University, <i>New Haven, Conn.</i>	2		
Source Unknown.....	107	26	1

SERIALS TAKEN AT THE LIBRARY

- A. L. A. book-list. *Monthly*.
- Adriance Memorial Library. *Poughkeepsie, N. Y.* Quarterly bulletin. *(presented)*.
- Agricultural index. *Bi-monthly*.
- Alliance Francaise. Bulletin. *Semi-monthly. (presented)*.
- Ambition. *Monthly. (presented)*.
- American Academy of Political and Social Science. Annals. *Bi-monthly*.
- American Antiquarian Society. Proceedings, New series. *Semi-annual*.
- American boy. *Monthly*.
- American city. *Monthly*.
- American economic review. *Quarterly*.
- American forestry. *Monthly*.
- American historical review. *Quarterly. (presented)*.
- American Iron and Steel Institute. Monthly bulletin. *(presented)*.
- American journal of archacology. *Quarterly*.
- American journal of public health. *Monthly*.
- American journal of science. *Monthly*.
- American labor legislation review. *Quarterly*.
- American Library Association. Bulletin. *Bi-monthly. (presented)*.
- American Pageant Association. Bulletin. *Semi-monthly*.
- American political science review. *Quarterly*.
- American review of reviews. *Monthly*.
- Americas. *Monthly. (presented)*.
- Architectural record. *Monthly*.
- Art and archacology. *Bi-monthly*.
- Athenaeum. *Monthly*.
- Atlantic Deeper Waterways Association. Bulletin. *Monthly. (presented)*.
- Atlantic monthly.
- Automobile. *Weekly*.
- Bangor Automobile Club. Bulletin. *Irregular May-Sept. (presented)*.
- Bangor, Me. Auditing Dept. Report. *Monthly. (presented)*.
- Berger's metal lumber; bulletin. *Irregular. (presented)*.

- Bird lore. *Bi-monthly*.
Blackwood's Edinburgh magazine. *Monthly*.
Book review digest. *Monthly*.
Bookman. *Monthly*.
Boston Museum of Fine Arts. Bulletin. *Bi-monthly*. (*presented*).
Boston Public Library. Bulletin. *Quarterly*. (*presented*).
Boys' life. *Monthly*.
Brockton Public Library. Quarterly bulletin. (*presented*).
Brooklyn Institute of Arts and Sciences. Children's Museum news.
Monthly. (*presented*).
Brooklyn Public Library. Bulletin. *Quarterly*. (*presented*).
Brown alumni monthly. (*presented*).
Bulletin of bibliography and Dramatic index. *Quarterly*.
Bureau of Railway Economics. Revenues and expenses of steam roads.
Monthly. (*presented*).
Carnegie Endowment for International Peace. Division of international
law. Pamphlet. *Irregular*. (*presented*).
Century. *Monthly*.
Channel. *Quarterly*. (*presented*).
Christian herald. *Weekly*. (*presented*).
Christian register. *Weekly*. (*presented*).
Christian science journal. *Monthly*. (*presented*).
Christian science sentinel. *Weekly*. (*presented*).
Clef. *Monthly*. (*presented*).
Colby voice and New London news. *Irregular*. (*presented*).
Columbia University. Studies in history, economics and public law.
Irregular. (*in bound volumes only*).
Congregationalism in Maine. *Quarterly*. (*presented*).
Contemporary review. *Monthly*.
Cornell rural school leaflet. *Bi-monthly*. (*presented*).
Country life in America. *Monthly*.
Craftsman. *Monthly*.
Cumulative book index. *Bi-monthly*.
Daughters of the American Revolution magazine. *Monthly*. (*presented*).
Dial. *Semi-monthly*.
Drama. *Quarterly*.
Dramatist. *Quarterly*.
Edinburgh review. *Quarterly*.
Essex Institute historical collections. *Quarterly*.
Facts about sugar. *Monthly*. (*presented*).

- Fatherland. *Weekly*.
Filipino people. *Monthly*. (presented).
Fortnightly review. *Monthly*.
Forum. *Monthly*.
General electric review. *Monthly*. (presented.)
Good government. *Monthly*. (presented).
Good housekeeping magazine. *Monthly*.
Hardwood record. *Semi-monthly*. (presented).
Harper's magazine. *Monthly*.
Hartford, Conn. Public Library. Hartford library bulletin. *Quarterly*. (presented).
Home needlework magazine. *Monthly*.
Home progress. *Monthly*. (presented).
House beautiful. *Monthly*.
Hygiene and the child. *Quarterly*. (presented).
Illustrated London news. *Weekly*.
Independent. *Weekly*.
Indian Rights Association. Publications. 2d Series. *Irregular*. (presented).
Industrial arts index. *Bi-monthly*.
Industrial journal. *Monthly*.
Information. *Monthly*.
International bulletin des societes de la croix-rouge. *Quarterly*. (presented).
International conciliation. *Monthly*. (presented).
International Institute of Agriculture, Rome. *Bureau of Statistics*.
Bulletin of agricultural and commercial statistics. *Monthly*. (presented).
International studio. *Monthly*.
Jersey City, N. J. Free Public Library. Library record. *Bi-monthly*. (presented).
Johns Hopkins University. Studies in historical and political science. *Irregular*. (in annual volumes only).
Journal of accountancy. *Monthly*.
Journal of American folk-lore. *Quarterly*.
Journal of American history. *Quarterly*.
Kindergarten and first grade. *Monthly*. (presented).
Ladies' home journal. *Monthly*.
Ladies' review. *Monthly*. (presented).

- Landscape architecture. *Quarterly*.
Library journal. *Monthly*.
Life. *Weekly*.
Literary digest. *Weekly*.
Little folks. *Monthly*.
Living age. *Weekly*.
Loring, Short and Harmon. L. S. & H. monthly book review. (*presented*).
McClure's magazine. *Monthly*.
Magazine of history. *Monthly*.
Maine, Agricultural Experiment Station. Bulletin. *Irregular*. (*presented*).
Maine Catholic historical magazine. *Monthly*.
Maine Forestry Association. Bulletin. *Irregular*. (*presented*).
Maine law review. *Monthly*. (*presented*).
Maine State Board of Health. Bulletin. *Bi-monthly*. (*presented*).
Maine State Library. Bulletin. *Quarterly*. (*presented*).
Manual training and Vocational education. *Monthly*.
Massachusetts, Homestead Commission. Bulletin. *Irregular*. (*presented*).
Mentor. *Semi-monthly*.
Michigan Historical Commission. Bulletin. *Irregular*. (*presented*).
Military historian and economist. (*Quarterly*).
Military Order of the Loyal Legion of the U. S. Commandery of the State of
Maine. Circular. *Irregular*. (*presented*).
Municipal engineering. *Monthly*.
Municipal research. *Monthly*.
Musical America. *Weekly*.
Musical quarterly.
Musician. *Monthly*.
Nation. *Weekly*.
National Academy of Sciences. Proceedings. *Monthly*.
National Child Labor Committee. Child labor bulletin. *Quarterly*.
National Conference of Charities and Correction. Bulletin. *Quarterly*.
National Fertilizer Association. Middle West soil improvement committee
Bulletin. *Irregular*. (*presented*).
Pamphlet. *Irregular*. (*presented*).
National geographic magazine. *Monthly*.
National municipal review. *Quarterly*.
National Tax Association: Bulletin. *Monthly*.
New England historical and genealogical register. *Quarterly*.

- New England magazine. *Monthly*.
New Haven, Conn. Free Public Library. Bulletin. *Quarterly*. (*presented*).
New republic. *Weekly*.
New York Meteorological Observatory. Report. *Monthly*. (*presented*).
New York Public Library. Branch library news. *Monthly*. (*presented*).
New York Public Library. Bulletin. *Monthly*. (*presented*).
New York times. Quarterly Index.
New York times current history. *Monthly*.
Newark, N. J., Free Public Library. The Newarker. *Monthly*.
Nineteenth century and after. *Monthly*.
North American review. *Monthly*.
North East. *Monthly*. (*presented*).
O. E. library critic. *Bi-weekly*. (*presented*).
Oracle, Bangor High school. *Monthly*. (*presented*).
Osterhout Free Library, Wilkes Barre, Penn. Bulletin. *Monthly*. (*presented*).
Outing. *Monthly*.
Outlook. *Weekly*.
Pan American Union. Bulletin. *Monthly*. (*presented*).
Paris, Chamber of Commerce. Facts about the war. *Semi-monthly*. (*presented*).
Peabody Institute Library, Peabody, Mass. Bulletin. *Semi-annual*. (*presented*).
Pennsylvania Free Library Commission. Pennsylvania library notes. *Quarterly*. (*presented*).
Philips Exeter Academy. Bulletin. *Quarterly*. (*presented*).
Photo miniature. *Irregular*.
Physical culture. *Monthly*.
Playground. *Monthly*.
Popular mechanics. *Monthly*.
Popular science monthly.
Porto Rico, Agricultural Experiment Station. Bulletin. *Irregular*. (*presented*).
Print-collector's quarterly.
Printers' ink. *Weekly*.
Protectionist. *Monthly*. (*presented*).
Public. *Weekly*. (*presented*).

- Public affairs information service. Bi-monthly cumulation.
Public libraries. *Monthly*.
Publishers' weekly.
Quarterly review.
Railroad red book. *Monthly*. (*presented*).
Railway news bulletin. *Semi-monthly*. (*presented*).
Rays from the rose cross. *Monthly*. (*presented*).
Readers' guide to periodical literature. *Monthly*.
Readers' guide to periodical literature supplement. *Bi-monthly*.
Review of religions. *Monthly*. (*presented*).
Russell Sage Foundation. *Library*. Bulletin. *Bi-monthly*. (*presented*).
St. Louis, Mo., Public Library. Monthly bulletin. (*presented*).
St. Nicholas. *Monthly*.
Saturday evening post. *Weekly*.
School. *Weekly*. (*presented*).
Science. *Weekly*.
Scientific American. *Weekly*.
Scientific American supplement. *Weekly*.
Scientific monthly.
Scribner's magazine. *Monthly*.
Short ballot bulletin. *Bi-monthly*. (*presented*).
Smithsonian miscellaneous collections. *Irregular*. (*presented*).
Special libraries. *Monthly*.
Sprague's journal of Maine history. *Quarterly*.
Survey. *Weekly*.
Theatre. *Monthly*.
Theosophical path. *Monthly*. (*presented*).
Theosophical quarterly. (*presented*).
Union signal. *Weekly*. (*presented*).
U. S. Bureau of Education.
 Bulletin. *Irregular*. (*presented*).
 Home education circular. *Irregular*. (*presented*).
 School home-garden circular. *Irregular*. (*presented*).
U. S. Bureau of Fisheries.
 Bureau of Fisheries document. *Irregular*. (*presented*).
 Economic circular. *Irregular*. (*presented*).
 Fisheries service bulletin. *Irregular*. (*presented*).

- U. S. *Bureau of Foreign and Domestic Commerce.*
Bulletin. *Monthly.* (presented).
Commerce reports. *Daily.* (presented).
Commerce reports. Supplement. *Irregular.* (presented).
Foreign tariff notes. *Irregular.* (presented).
Miscellaneous series. *Irregular.* (presented).
Monthly summary of the foreign commerce of U. S. (presented).
Special Agents' Series. *Irregular.* (presented).
Special consular reports. *Irregular.* (presented).
Tariff series. *Irregular.* (presented).
- U. S. *Bureau of Immigration.*
Immigration bulletin. *Monthly,* (presented).
- U. S. *Bureau of Labor Statistics.*
Bulletin. *Irregular.* (presented).
Monthly review. (presented).
- U. S. *Bureau of Mines.*
Bulletin. *Irregular.* (presented).
Miners' circular. *Irregular.* (presented).
Monthly statement of coal mine fatalities in U. S. (presented).
Technical paper. *Irregular.* (presented).
- U. S. *Bureau of Navigation.*
Radio service bulletin. *Monthly.* (presented).
- U. S. *Bureau of Public Health Service.*
Miscellaneous publication. *Irregular.* (presented).
Public health bulletin. *Irregular.* (presented).
Public health reports. *Weekly.* (presented).
Public health reports. Supplement. *Irregular.* (presented).
- U. S. *Bureau of Public Health Service. Hygienic Laboratory.*
Bulletin. *Irregular.* (presented).
- U. S. *Bureau of Standards.*
Bulletin. *Irregular.* (presented).
Circular. *Irregular.* (presented).
Scientific papers. *Irregular.* (presented).
Technologic papers. *Irregular.* (presented).
- U. S. *Children's Bureau.*
Bureau publication. *Irregular.* (presented).
- U. S. *Coast and Geodetic Survey.*
Special publication. *Irregular.* (presented).

U. S. *Congress.*

Congressional record. *Daily during session. (presented).*

U. S. *Dept. of Agriculture.*

Bulletin. *Irregular. (presented).*

Farmers' bulletin. *Irregular. (presented).*

Journal of agricultural research. *Monthly. (presented).*

Monthly crop report. *(presented).*

Monthly list of publications. *(presented).*

Reports (numbered). *Irregular. (presented).*

Weekly news letter to crop correspondents. *(presented).*

U. S. *Dept. of Agriculture. Office of Experiment Stations.*

Experiment station record. *Monthly. (presented).*

U. S. *Dept. of Agriculture. Office of Secretary.*

Circular. *Irregular. (presented).*

U. S. *Dept. of Agriculture. Office of Solicitor.*

Circular. *Irregular. (presented).*

U. S. *Dept. of Commerce.*

Monthly list of publications. *(presented).*

U. S. *Federal Farm Loan Bureau.*

Circular. *Irregular. (presented).*

U. S. *General Land Office.*

Circular. *Irregular. (presented).*

U. S. *Geological Survey.*

Bulletin. *Irregular. (presented).*

Geologic atlas. *Irregular. (presented).*

Professional paper. *Irregular. (presented).*

Water supply paper. *Irregular. (presented).*

U. S. *Interstate Commerce Commission.*

Accident bulletin. *Irregular. (presented).*

Accounting bulletin. *Irregular. (presented).*

U. S. *Library of Congress. Copyright Office.*

Catalogue of copyright entries. *Irregular. (presented).*

U. S. *Library of Congress. Division of Documents.*

Monthly list of state publications.

U. S. *National Museum.*

Bulletin. *Irregular. (presented).*

Contributions from the U. S. National Herbarium. *Irregular. (presented).*

- U. S. *Navy Dept. Bureau of Medicine and Surgery.*
United States naval medical bulletin. *Quarterly. (presented).*
- U. S. *Patent Office.*
Alphabetical list of patentees. *Monthly. (presented).*
Classification bulletin. *Irregular. (presented).*
Index to decisions of the Commissioner of Patents and of the U. S. courts. *Irregular. (presented).*
Official gazette. *Weekly. (presented).*
- U. S. *Superintendent of Documents.*
Monthly catalogue of public documents. *(presented).*
- U. S. *War Dept. Office of the Surgeon General.*
Bulletin. *Irregular. (presented).*
- U. S. *Weather Bureau.*
Climatological data. New England section. *Monthly. (presented).*
- Unpopular review. *Quarterly.*
Vedanta monthly. *(presented).*
Vindicator. *Weekly. (presented).*
Vogue. *Semi-monthly.*
Wilmington Institute Free Library. Bulletin. *Quarterly. (presented).*
Wireless age. *Monthly.*
Worcester, Mass., Free Public Library. Bulletin. *Bi-monthly. (presented).*
World Peace Foundation. Pamphlet series. *Bi-monthly. (presented).*
World's work. *Monthly.*
Yale review. *Quarterly.*
Youth's companion. *Weekly.*

NEWSPAPERS

- Bangor daily commercial. *Daily except Sunday.*
Bangor daily news. *Daily except Sunday.*
Bangor independent. *Weekly.*
Boston evening transcript. *Daily except Sunday.*
Christian Science monitor, Boston. *Daily except Sunday. (presented).*
Daily Kennebec journal, Augusta. *Daily except Sunday.*
New York times. *Daily.*
Woman's journal and Suffrage news. *Weekly. (presented).*

**AGREEMENT BETWEEN
BOARD OF TRUSTEES OF HERSEY FUND
AND BANGOR MECHANIC ASSOCIATION**

MEMORANDUM OF AGREEMENT made and entered into between the Board of Trustees of the Hersey Fund of Bangor, Penobscot County, Maine, and the Bangor Mechanic Association of said Bangor, WITNESSETH

Whereas the said Board of Trustees created by an ordinance of said City of Bangor passed March 13th, 1883 entitled "An ordinance to provide for the administration of the Hersey Fund" are authorized by section four of said ordinance to devote certain of the "annual income of said fund to the establishment and perpetual maintenance of a "Public Library" in Bangor either independently or in connection with some existing library;" and whereas said Bangor Mechanic Association is willing to join said Board of Trustees in the establishment and perpetual maintenance of such Public Library.

Now, therefore, in consideration of the premises and in order to establish and perpetually maintain such Public Library, the said Bangor Mechanic Association hereby agrees to transfer to the City of Bangor all the books now constituting the Library of the "Bangor Mechanic Association" to be held by said City of Bangor in trust for a Public Library to be used in common with such books as may be hereafter purchased by the income of the "Hersey Fund" as provided in the aforesaid ordinance for

purposes of a Public Library; and said Bangor Mechanic Association further agrees that all books which may hereafter be purchased by proceeds of funds now held in trust by said City of Bangor for said Association shall be purchased under the direction of the Board of Managers hereinafter provided for, and shall be held and owned by said City of Bangor in trust in like manner as hereinbefore stated.

And in consideration of the premises it is further agreed by and between both of the parties hereto that the books now constituting the Library of the Bangor Mechanic Association and such books as shall be hereafter purchased by proceeds of funds of the said association and of the Hersey Fund shall constitute a Public Library to the maintenance of which the income of the fund of the Bangor Mechanic Association and the income of the Hersey Fund shall be perpetually devoted, and which shall be exclusively and entirely under the control and direction of a Board of Managers consisting of the Board of Trustees of the Hersey Fund, and of such officers of the Bangor Mechanic Association, not exceeding four in number, as said Mechanic Association may designate as members of said Board of Managers.

And it is further agreed that the Mayor of the City of Bangor, being ex-officio chairman of the Hersey Trustees, shall be also chairman of the Board of Managers of the Public Library; and the Library established under the provisions of this agreement shall be perpetually known as the *Bangor Public Library*.

It is also mutually agreed that this agreement shall take effect at the date of the acceptance by said city of Bangor of the conveyance by the Bangor Mechanic Association of the Library and books hereinbefore provided for. And it is also agreed that no agreement entered into by the Mechanic Association for the current year shall be hereby impaired.

Dated at Bangor this twenty-first day of May, A. D. 1883.

(Signed)

BANGOR MECHANIC ASSOCIATION
By GEO. S. HALL, President

F. A. CUMMINGS,	}	Board
JOHN L. CROSBY,		of
FRANKLIN A. WILSON,		Trustees
FREDERICK M. LAUGHTON,		of the
SAMUEL F. HUMPHREY,		Hersey Fund.

CONVEYANCE

WHEREAS the Board of Trustees of the Hersey Fund acting under authority conferred upon them by an Ordinance of the City of Bangor passed March 13, 1883, entitled "An Ordinance to provide for the administration of the Hersey Fund," and the Bangor Mechanic Association of said Bangor, have entered into an agreement in writing of even date herewith (a copy of which agreement is hereunto annexed) for the purpose of establishing and perpetually maintaining a Public Library in the City of Bangor,

Now, therefore, in consideration of the premises, the said Bangor Mechanic Association for the purpose of performing the duties and stipulations provided by said agreement to be performed by said Association, does hereby transfer and convey in trust to said City of Bangor, all the books now constituting the Library of the said Mechanic Association, and also all the books which may hereafter be purchased by the income of funds now held in trust by said City for said Association, the same to be held in trust for a Public Library under the conditions and stipulations fully set forth in said agreement, copy of which is hereunto annexed.

Dated at Bangor this twenty-first day of May, A. D. 1883.

BANGOR MECHANIC ASSOCIATION

By GEO. S. HALL, President

In Board of Aldermen, June 5, 1883.

Read and ordered on file. Sent down.

VICTOR BRETT, City Clerk.

In Common Council, June 5, '83.

Concurred

OTTO F. YOUNGS, Clerk.

The above agreement was printed in "Public Library of the city of Bangor, By-laws and rules" 1888; and again in its "Report" 1897.

ACCEPTANCE

IN CITY COUNCIL:

RESOLVED:—That the City of Bangor does hereby accept from the Bangor Mechanic Association the conveyance to the City of Bangor of the Library of said Association, and of all the books which may hereafter be purchased by the income of funds now held in trust by said City, for said Association in trust for a Public Library, in accordance with the terms and conditions, and for the purposes set forth in the conveyance by said Association to the City of Bangor, dated May 21st, 1883, and in an agreement executed between said Association and the Trustees of the Hersey Fund; copy of which agreement is annexed to said conveyance.

Passed June 5, 1883.

HERSEY FUND and BANGOR PUBLIC LIBRARY

SECTION 1. The fund of one-hundred thousand dollars heretofore received from the trustees of the will of the late Samuel F. Hersey, in adjustment of his bequest to the city of Bangor, shall be forever held in trust by said city, in the manner and for the objects hereinafter provided.

SECTION 2. The annual income of said fund is hereby unalterably fixed at four thousand dollars; to be perpetually administered as hereinafter provided, and to be paid by the City Treasurer by the order of the Mayor, and without further action of the City Council, in equal quarterly payments on the first days of January, April, July and October of each year, forever to the Trustees hereinafter provided. The charge of the fixed income for and in behalf of the city shall be committed to a board of trustees to be styled the "Trustees of the Hersey Fund," to be composed of the Mayor and City Treasurer ex-officio, who shall respectively act as president and clerk of said board and of three citizens of said city, to be selected in the following manner.

At the regular meeting of the city government in February, 1895, and thereafter at the regular meeting of the City Council in February, in alternate years biennially as the terms of office of the members of the present board shall expire, there shall be elected by joint ballot in joint convention of both branches of the City Council, one person resident of said city to be a member of said board, to hold his office for the term of six years, and until another is elected and qualified in his stead.

No member of the City Council shall be eligible to the office of a member of this board, and the election to the City Council of either of said three trustees shall create a vacancy in said board, and any vacancy arising in said board shall, for the unexpired term be filled in the manner above presented by the City Council.

Any member of said board may be removed by a two-thirds vote of both branches of the City Council voting in joint convention.

The trustees shall be sworn to the faithful performance of their duties under the trust, and shall receive no compensation therefor.

SECTION 3. The City Treasurer shall make no investments of, or expenditures of any portion of the said income, without the approval of said Board of Trustees.

SECTION 4. Said Board shall devote the net annual income of said fund to the perpetual maintenance of the Bangor Public Library, as now existing and established under authority of the City Council and in pursuance with an agreement made and entered into between the Trustees of the Hersey Fund, and the Bangor Mechanic Association, May 2, 1882, and ratified by the City Council, June 5, 1883.

SECTION 5. The said Board shall annually present to the City Council, at the regular meeting in February, a report of their action under said trust, with a specific statement of all receipts and disbursements on account of the said income for the year then ending.

SECTION 6. For the purpose of maintaining a free public library and hereafter provide for the necessary expense of such maintenance, there shall be annually appropriated by the City Council under the title of "Library Fund" a sum sufficient to meet the estimated current expense of maintaining such library for the benefit of the public; such appropriation to be in charge of and expended under the direction of the Trustees of the Hersey Fund.

This ordinance was enacted April 11, 1893, replacing the original ordinance of March 13, 1883. The amount of income from the Hersey Fund was fixed at \$4000 by judicial ruling. Section 6 was enacted Nov. 8, 1904, following the decision to make the Library entirely free to all Bangor people.

The entire ordinance as now in force stands as Chapter 17 of "Charter and ordinances of the City of Bangor," 1915.

Report of Board of Health

To His Honor, the Mayor, and Gentlemen of the City Council:

The Board of Health submits its annual report concerning the work of the Health Department for the year ending March 1, 1917.

The Board held its first meeting of the year for organization and the transaction of business, April 5, 1916, with all the members present, viz., Dr. H. W. Osgood, John Goldthwait and John E. Kelley.

The Board at this meeting elected Dr. H. W. Osgood, Chairman, and John Goldthwait, secretary and executive officer for one year.

The Board has held regular and special meetings as their work required during the year.

The following figures will show the number of contagious diseases in our city the past year; also deaths and births. The number of resident deaths from various causes for the year 1916 was 453, at an estimated population of 26,000; the death rate would be 17 per 1,000. Non-resident deaths at the several hospitals in the city were 156. The births for the year were 493, a gain over the deaths of 40.

There has been reported to the Board for the year ending March 1, 1917, thirteen cases of diphtheria with two deaths, and twenty mild cases of scarlet fever; also twelve cases of

typhoid fever with three deaths, and one case of Infantile Paralysis. This case was brought here from Islesboro and was well looked after and did not cause any trouble. All the scarlet fever cases were in a very mild form. The deaths from tuberculosis for the year was forty-three, ten more than last year.

We feel that the Plumbing Ordinance is a great benefit to our city from a sanitary point of view, and will tell you about the work that has been done in that department the past year. Five hundred and fifty-six permits issued for plumbing work; two-hundred and six new water-closets installed; forty old water-closets replaced with new ones. A four inch iron vent-pipe from drainage system has been carried through roof in forty-six old houses; forty-eight tile or crock drains have been replaced with iron pipe, and one-hundred and twenty sink wastes that were found unsanitary have been properly trapped and connected to drains; fifty old hopper cock closets have been replaced with modern tank closets; fifty sewer entrances have been made; also 1616 inspections.

We would like to say a word about sewers. We hope the incoming City Government will be liberal with their appropriations for sewers, because there are a great many places where sewers are needed and the people are willing to pay their part to have them built. In many places the sewers would not be expensive and are much needed. We wish there were sewers in every street in the city where there are dwelling houses. It is hard work to keep places clean and healthy and in proper sanitary condition unless you have good drainage.

We would call the attention of the people to the fact that if they want to do any filling on their premises that they must get permission from the Board of Health, and must keep the place in proper sanitary condition at all times, if not, they are liable to a fine.

The dumps have been well looked after and have caused very little trouble or complaint. In this report we would call the attention of the public to the fact that there is a dump on the East Side on the extension of Pine Street, and on the West Side on Sidney Street, near Third Street, and ask them to remember that their waste and rubbish must be put there where it will be properly taken care of. We thought perhaps some of the people had forgotten about where the dumps were.

We think the Public Toilet in City Hall is a nuisance in more ways than one, and should be put in proper sanitary condition or be removed from the Hall. Will you please give this matter your special attention.

Through this report we wish to thank most heartily all citizens, and particularly the physicians for the promptness in reporting contagious diseases and also for the cordial support which they have given us in the performance of duties. We wish also to thank the Mayor and City Government for their kindness and assistance.

Respectfully,

HARRY W. OSGOOD, M. D.,	}	Board of Health
JOHN GOLDTHWAIT,		
JOHN KELLEY,		

Report of Harbor Master

To the Mayor and City Council of the City of Bangor:

GENTLEMEN:

The Harbor Master submits his report for the year 1916-1917. The ice left the river Saturday, April 1st, and the port closed to navigation Saturday, December 16th 1916.

Open to navigation, 260 days.

During this time 811 vessels arrived; 403 steamers; 200 schooners; 189 barges; 17 yachts; 2 United States Torpedo-boat destroyers; with a gross tonnage of 686,801 tons.

Foreign vessels arrived, one; arrived from foreign ports, one; cleared for foreign ports, two.

During the year merchandise arrived by vessel as follows:

329,065	tons of coal
60,400	barrels of gasoline and kerosene
2,966	tons of coke
4,150	casks of lime
135	tons of gravel
125	tons of moulding sand
41,405	barrels of cement
660,000	feet of lumber
150	tons of phosphate

20,182	bushels of salt
200	tons of granite
853	CORDS OF PULP WOOD
300	barrels of tar
425	barrels of pitch
4,440	rolls of roofing paper
33	boxes of paint
7	crates of congoleum
1	barrel of floor cement

Respectfully submitted,

EDWIN LORD,
Harbor Master.

Report of Overseers of the Poor

BANGOR, MAINE, March 30, 1917.

*To His Honor, the Mayor, and Gentlemen of the City Council,
Bangor, Maine:*

The Overseers of the Poor herewith submit their annual report.

Appropriation.....		\$25,689 94
Total amount expended.....		\$25,689 94
Salaries and expenses, appropriated.....		\$1,454 85
Salaries.....	\$1,395 23	
Expenses.....	59 62	
	<hr/>	\$1,454 85
Almshouse appropriation.....		\$15,241 46
Groceries and provisions.....	\$3,982 78	
Salaries and wages.....	4,897 99	
Fuel.....	896 90	
Dry Goods and Clothing.....	691 32	
Special Medical Att.....	33 00	
Grain and feed.....	1,446 74	
Hospital supplies and medicine.....	389 58	
Boots and shoes.....	199 05	
Household supplies.....	550 31	
Material and repairs.....	649 77	

Seed.....	213 03	
Tobacco and pipes.....	229 54	
Fertilizer.....	112 95	
Disinfectants.....	224 74	
Equipment and stock.....	265 13	
Vet. and horseshoeing.....	129 75	
Insurance.....	3 96	
All others.....	324 92	
		\$15,241 46

OUTSIDE RELIEF GIVEN BY CITY

Appropriated.....		\$8,196 21
Groceries and provisions.....	\$4,792 62	
Dry goods and clothing.....	362 43	
Boots and shoes.....	338 80	
Medicine and medical attendance.....	305 24	
Board.....	656 87	
Rent.....	304 63	
Transportation.....	296 31	
Burial.....	287 50	
Fuel.....	655 50	
All others.....	196 31	
		\$8,196 21

RELIEF GIVEN BY OTHER CITIES AND TOWNS

Appropriated.....		\$370 66
Groceries and provisions.....	\$261 38	
Fuel.....	28 20	
Medicine and medical attendance.....	31 05	
Rent.....	16 75	
Burial.....	3 00	
Clothing.....	10 18	
All others.....	20 10	
		\$370 66

1917] CITY OF BANGOR 249

Other expenses appropriated.....	\$26 76
Telephone.....	\$26 76
City physician's salary appropriated	\$400 00
Salary.....	\$400 00

ALMSHOUSE

Sale of products and sundries.....	\$2,685 63
Cream and milk.....	\$ 592 23
Hay and grain.....	1,134 33
Live stock.....	926 06
Sale of miscellaneous products.....	24 75
Eggs.....	8 26
	<hr/> \$2,685 63

Reimbursements from individuals, cities, towns and State.....	\$4,696 71
Individuals.....	\$ 434 50
Cities and towns.....	490 02
State.....	3,772 19
	<hr/> \$4,696 71

NUMBER OF PATIENTS AT CITY FARM DURING THE YEAR
1916-1917

Almshouse.....	194
House of correction.....	106
Hospital.....	53

LIST OF PROPERTY AT THE CITY FARM, MARCH 1, 1917

75 Tons hay	3 Work horses
8 Tons straw	13 Cows
100 Tons ice	3 Calves
10 Tons ensilage	1 Bull
150 Bushels potatoes	5 Heifers
20 Bushels turnips	19 Sows
15 Bushels beets	9 Shoats
200 Bushels oats	29 Pigs
200 Cords wood	

Respectfully submitted,

DANIEL W. MAXFIELD

JOHN T. KELLEHER

Overseers of the Poor

Report of Superintendent of Burials

To the City Council:

The undersigned would respectfully submit the following report for the year ending March 1, 1917:

PROTESTANTS

Died in March, 1916.....	38
April, 1916.....	37
May, 1916.....	43
June, 1916.....	40
July, 1916.....	28
August, 1916.....	38
September, 1916.....	36
October, 1916.....	24
November, 1916.....	32
December, 1916.....	41
January, 1917.....	59
February, 1917.....	41
	<hr/>
	457

AGE

Under 1 year.....	67
Between 1 and 5 years.....	13
5 and 10 years.....	4
10 and 20 years.....	13
20 and 30 years.....	28

30 and 40 years.....	40
40 and 50 years.....	54
50 and 60 years.....	64
60 and 70 years.....	62
70 and 80 years.....	68
80 and 90 years.....	35
Over 90 years.....	9
	457

DISEASES

Apoplexy.....	8
Appendicitis.....	3
Abscess.....	4
Asthma.....	1
Arterio Sclerosis.....	12
Anaemia.....	2
Alcoholism.....	1
Accident.....	8
Bright's disease.....	4
Brain.....	2
Bronchitis.....	2
Cancer.....	14
Carbuncle.....	1
Carcinoma.....	7
Cholera Infantum.....	1
Convulsions.....	4
Cystitis.....	1
Cerebral hemorrhage.....	9
Dementia.....	3
Diabetes.....	5
Diphtheria.....	1
Drowning.....	3
Endocarditis.....	14
Exhaustion.....	6
Embolism.....	2
Edema.....	4

Enteritis.....	4
Erysipelas.....	3
Empyema.....	2
Gall stones.....	1
General debility.....	3
Hemorrhage.....	2
Heart.....	31
Hernia.....	1
Indigestion.....	3
Infection.....	2
Intestinal obstruction.....	5
LaGrippe.....	1
Liver.....	3
Malnutrition.....	6
Myocarditis.....	3
Meningitis.....	6
Myelitis.....	2
Nephritis.....	22
Old age.....	7
Peritonitis.....	10
Premature birth.....	8
Pneumonia.....	55
Pyæmia.....	2
Paralysis.....	9
Pellagra.....	2
Shock.....	8
Stillborn.....	20
Stomach.....	1
Suicide.....	2
Septicæmia.....	9
Sarcoma.....	1
Tuberculosis.....	22
Thrombosis.....	6
Typhoid fever.....	4
Toxaemia.....	2
Uremia.....	5
Vomiting.....	1
Other causes.....	61

254 REPORT OF THE SUPERINTENDENT OF BURIALS [1917

Brought to Bangor for interment.....	69
Carried out of Bangor for interment.....	225
Interments at Mt. Hope Cemetery.....	260
Interments at Oak Grove Cemetery.....	15
Interments at Pine Grove Cemetery.....	19
Interments at Maple Grove Cemetery.....	7

595

Respectfully submitted,

R. E. HATHORN
Superintendent of Burials.

City Missionary's Report

In the annual report of City Missionary Mrs. Jennie M. Johnson the expenditures and receipts are stated as follows:

From Fogg fund.....	\$175.60
Oliver fund.....	100.00
Stetson fund.....	150.00
Annual charity dance.....	194.77
Various gifts.....	92.00
	<hr/>
Total.....	\$712.37

This total sum was expended, and more was needed.

Mrs. Johnson answered 811 calls for aid and got employment for 34 persons. She furnished transportation for 20 persons during the year and gave her annual outing to the children of Bangor at Riverside Park, which nearly 2000 children attended.

One of the big features in the work of the city missionary last year was the caring for unfortunate girls. Mrs. Johnson accomplished a large amount of good work in this line and cared for the large number of unfortunates in many ways. Many were sent to their homes and other means of safe keeping were

found for others. There were a larger number of these cases than ever and the work of the city missionary was certainly of high order along these lines.

Mrs. Johnson has more to do than many would realize and things the general public would never think which she does in her usual quiet and business-like manner. She has labored night and day for the benefit of the poor and unfortunate and has certainly accomplished great deeds this past year.

She wishes to thank those who contributed clothing, bedding, food and other articles and all those who assisted her in her duties in any way.

Report of the Committee on City Property and Buildings

To His Honor, the Mayor, and City Council of Bangor:

The Committee on City Property and Buildings herewith submit their annual report and recommendations for the municipal year ending February 28, 1917.

FIRE STATIONS

A new ventilation system was installed in the cellar at Hose 6, also new basement supports and fixtures, and various small repairs on steam-pipes, etc., also new ventilation was installed at Hose 4.

The old gas heaters were removed from Hose 2 and 5, and a new electric water heater installed for bath and general use.

The firemen made the few necessary repairs at the Central Fire Station, also painted and repaired apparatus to quite an extent, thus saving considerable expense to that department. The blacksmith and repair shop in the basement is of great value for such work.

A new retaining wall was built at Hose 5, which will last for many years.

ARMORY

It was necessary to build a new concrete wall under the north end; put up several posts and new sills. A cement water course was made which conducts water to the north end and away from the wall which will be a lasting protection to the wall and building. A new toilet was installed during the summer, and the interior of the building was given a general cleaning up in anticipation of the return of the troops from the Mexican Border.

CITY STABLES

A new water box was built for the horses to drink from, and a few other small repairs on floors and stalls seems to cover the demands from this department at present.

We would recommend however, that the present office and mess-room be replaced by a new, one story, flat roof building which would be much more sanitary and of present necessity.

ALMSHOUSE

Besides the general repairs on water, steam and sewer pipes, a new water pipe was installed from the main into the house.

New stalls and repairs on the floors in the horse stables, also new doors to the hay barns.

To replace the small buildings destroyed by fire, we would recommend that a roof shed be built over the cellar which seems to be in a very substantial condition.

Plans were made and bids solicited for fire-escapes on the house. The Penobscot Machinery Company were the only bidders, but the appropriation not being sufficient the work was not carried out. The plans are on file for further reference, and we urgently advise the early erection of the fire-escapes to protect the inmates.

PEST HOUSE

During the Spring the Pest House was broken into and great damage done to the stove, electric wires and plumbing. The building was repaired so that it could be used temporarily if necessary, but fortunately there has been no occasion. The foundation is in very poor repair owing to the effect of the frost.

CITY HALL

A new steel ceiling was put up in the detention room, painted, and the toilet room painted and repaired. A modern method of ventilation could be applied at a moderate expense by an exhaust system placed at the outer end of the present pipe.

The chairs and couches in use on the City Hall stage have been re-covered.

The Associated Charities, Library, Aldermen and Council Rooms were painted; also a new steel flag pole and flag were furnished for use at City Hall.

POLICE GARAGE

For the use of the Police Patrol a new steel garage was erected near the Police entrance to City Hall, and is considered a very good investment.

ELECTRIC STATION

The roof of the wooden building on York Street was shingled and new metal gutters applied.

PUMPS

During the Summer the wells and pumps were put in charge of the Committee on City Property and with the aid of Mr. Mark Hines were kept in good condition during the year.

All samples of water sent to the Laboratory of Hygiene at Augusta have been reported exceptionally pure.

As the pumps are exposed and often need repair, we would advise placing them under some permanent department or official.

RECOMMENDATIONS

A complete inventory should be made of all real and personal property owned by the city and entered on the books representing the city's stock in trade.

The attention of the Committee has been called to the unsafe condition of the vaults in City Hall. An extra interior overhead thickness of fire-proof material with sufficient air space, and the walls covered with asbestos would make these vaults fire-proof.

WARD VI POLLING-PLACE

Since the great fire Ward 6 has not had a permanent polling place.

We would recommend that the City build a one story brick building over the heating plant which is on the old school house lot in Abbott Square. It would be large enough, and would always be warm from the heat below.

We have found all the departments and officials with whom we have had to associate, willing and ready to co-operate with us in attaining the object in which we were interested.

All matters referred to this Committee have been attended to, and all contracts, merchandise and labor fully paid for up to date.

Respectfully submitted,

GEO. F. CAMERON,	}	Committee on City Property
WALTER T. BURNS,		
CHAS. F. EAMES,		

Report of Milk Inspector

BANGOR, MAINE, March 1, 1917.

To the Honorable Mayor and Gentlemen of the City Council:

I herewith submit a report as Milk Inspector for the City of Bangor for the year ending March 1st 1917.

From all sources available, I find the number of men and firms who have contributed chiefly to our supply of milk during the past municipal year, to be about eighty-five (85).

Forty-five (45) of that number have established milk routes throughout the city, and use milk teams for delivering to their customers. The remaining forty (40) produce only, and dispose of their product to the dealers who own the milk routes.

All of these are by law classed as dealers, and are supposed to register as such with the Department of Agriculture of the State in Augusta, Maine.

Your inspector's records show that the men and firms who own milk routes have all registered as required, but the farmers who produce and sell to the milkmen, do not seem to consider it of much importance, and have not generally done so the past year. Of the forty farmers mentioned, but sixteen claim to have registered as required by law. I am led to presume that the Department of Agriculture of the State does not insist upon their so doing.

The records of the City now contain the names and places of residence, as near as can be ascertained, of all milkmen and farmers producing and selling milk to consumers and dealers in the City, including information relative to the number of cows each producer owns, if any, and to what milkman he sells his product; also, if he is regularly registered or not as a dealer.

Grocers and Meat Markets about the City, to the number of about eighty (80), or more, carry milk or cream, or both, in their stores and deliver to their customers as they do other family supplies.

The modern ideas of the public regarding sanitary methods of production, care, distribution, etc., of the most delicate article of food in use, coupled with the efficient inspection of the officials of the Department of Agriculture of the State, by analyzing samples of milk taken from dealers without previous notice or warning, and reporting the results of such tests in the bulletins published quarter-yearly by that department, has had a tendency to reduce the number in the milk business since 1910 quite materially in the section of country tributary to Bangor. There is probably one-third less in number engaged in the business now than there was at that time; also a great reduction in the number of cows owned by those now carrying it on.

Milkmen who are not up to date and painstaking, soon learn that they cannot work up and hold a business of much importance, and results generally in their dropping out of the business.

There have been but few complaints in the past year on account of poor or dirty milk. No report has been made of milk having been watered, or of giving short measure. People who have made complaints against their milkman or storekeeper have generally concluded to change over to another dealer.

In all probability, there will always be more or less complaint of dirt being found in milk supplies, to a greater or less degree, and varying as the persons do who milk the cows and are entrusted with its care. The dealers and their assistants are not alone responsible for all the bad milk. The housekeepers and their servants must, in many cases, take their share of the blame for its poor condition.

After considering my own observation of premises visited, and conditions found in and about the buildings of our dairymen, and reading reports in the bulletins of the Department of Agriculture of Maine, of the samples of milk taken and analyzed by their experts, I am favorably impressed with our supply and conclude that it will average as good as in any city in the country.

Respectfully submitted,

FRANK DWINEL,
Milk Inspector.

Report of the City Engineer

BANGOR, MAINE, MARCH 1, 1917.

To His Honor, the Mayor, and the City Council:

The City Engineer herewith submits his annual report for the year ending February 28th 1917. In this department the following work has been executed:

STREET LINES

Street lines and grades have been surveyed and determined during the year at the request of the Street Department, Water Department, and when needed by property owners, for use in highway construction, improvement and repairs, building and fence lines as follows:

Bowdoin Street
Broadway
Catell Street
Center Street
Curve Street
Carr Street
Cumberland Street
Essex Street
Elizabeth Avenue
Forest Avenue
French Street
Grove Street
Hamlin Avenue

Hammond Street
Hellier Street
Hancock Street
Kenduskeag Avenue
Main Street
March Street
May Street
Mt. Hope Avenue
New Street
Olive Street
Penobscot Street
Sanford Street
Second Street

Seventh Street
Sixteenth Street
South Park Street
State Street
Summit Avenue

Union Street
Valley Avenue
Walter Street
Webster Avenue North
West Street

STREET GRADES

Catell Street
Center Street
Cumberland Street
Forest Avenue
Garland Street
Hammond Street
Larkin Street
Main Street
Mt. Hope Avenue

Norway Road
Olive Street
Penobscot Street
Royal Road
Sanford Street
Somerset Street
Summit Avenue
Thatcher Street
Walter Street
Webster Avenue North

TAR CONCRETE WALKS

Measurements have been made and certificates issued for payment on concrete walks during the year as follows:

NEW CONCRETE SIDEWALKS

	Sq. yds.
Birch Street, Ely side.....	92.11
Catell Street, Sly side, Main Street west.....	388.88
Catell Street, Nly side, between Main and Hubbard Streets.....	287.77
Kenduskeag Avenue, Wly side, Jefferson to Madison Street.....	277.18
Main Street, Nwly side, near Parkhurst's Trunk Factory.....	34.94
McKinley Street, Sly side, Center Street westerly.....	77.50
Pearl Street, Ely side, State Street southerly.....	63.66
Railroad Street, Nely side, near Pleasant Street.....	30.03
Second Street, Sely side, City Storehouse lot northeast.....	170.66
State Street, Sly side between Pearl and Fruit Streets.....	188.05
Center to Park Street on north line of Post Office Lot.....	98.33
	1,709.11

NEW CONCRETE CROSSWALKS

	Sq. yds.
Broadway at north side of Cumberland Street.....	90.63
Broadway at north side of Garland Street.....	76.40
Birch Street at south side of Garland Street.....	63.42
Center Street at Somerset Street.....	68.40
Cumberland Street at east side of Broadway.....	55.10
Cumberland Street at west side of Broadway.....	63.55
Division Street at Market Street.....	56.33
Division Street at Jefferson Street.....	120.95
Franklin Street at Harlow Street.....	82.90
Pearl Street at south side of State Street.....	66.28
Union Street at Colonial Hotel.....	62.11
Union Street at Clinton Street.....	82.18
Union Street at First Street.....	31.50

 919.75

CONCRETE SIDEWALKS RE-COATED

	Sq. yds.
Broadway, E. side, between Cumberland and Garland Street in front of residence of Leslie Cutter.....	75.80
Broadway, E. side, from Garland to South Park Street.....	638.93
Catell Street, N. side, in front of property of Benjamin Hamm.....	27.77
Center Street, W. side, near McKinley Street.....	7.89
Center Street, W. side, near Harlow Street.....	132.60
Division Street, NW. side, Prentiss to Jefferson Street.....	372.67
French Street, W. side, between Garland and Cumberland Streets in front of property of Mrs. Porter.....	60.27
French Street, E. side, Somerset Street, south.....	136.67
Fountain Street, E. side, Jefferson Street, north.....	36.00
Jefferson Street, N. side, Norfolk to Leighton Street.....	106.94
Jefferson Street, N. side, Leighton to Fountain Street.....	121.47
Kenduskeag Avenue, W. side, in front of property of John Scott.....	165.00
Prentiss Street, E. side, from Division to Jefferson Street.....	232.00
Prentiss Street, W. side, in front of property of Asa Grant.....	6.66
March Street, both sides, patches.....	87.24
Railroad Street, N. side.....	33.22

 2,241.13

CONCRETE CROSSWALKS RE-SURFACED

Jefferson Street at Prentiss Street.....	76.22
Leighton Street at Jefferson Street.....	44.56
Norfolk Street at Jefferson Street.....	90.66
	<hr/>
	211.44

LAYING OUT OF STREETS AND GRADES

Proceedings were held on laying out and grade of Hamlin Avenue from Stillwater Avenue to Land of Peter O'Laughlin and surveys, plans, etc., made for same.

SEWER SURVEYS

Surveys, plans, and profiles were made, and reports submitted for the following sewers during the past season:

- Emerson Street sewer.
- Fourteenth, Woodbury and Bryant Street sewer.
- Fruit Street sewer.
- Highland Avenue sewer.
- Larkin to Lincoln Street, sewer crossing land of J. E. Foley.
- Mt. Hope Avenue sewer.
- Popular Street sewer.
- Connection between Purington sewer and Davis Brook sewer in rear of Parker.
- Bowdoin, Fifth and Sixth Street sewer.

The sewer on Bowdoin, Fifth and Sixth Streets was built by the Horace Purington Co., at its expense entirely and was taken over by the City of Bangor.

All new construction and property assessments have been duly recorded in the plan books of the department. The two large sewer maps have also been brought up to date.

STREET NUMBERING

The total number of buildings numbered during the year has been 74, and the total number of numbers issued has been 108. New house number plans have been made for Elizabeth Avenue, Olive Street and Summit Avenue.

STREET SPRINKLING

Street sprinkling by the City was done by the highway department.

Total cost of sprinkling.....	\$9,497.37
Revenue earned.....	\$6,853.64
Number of streets sprinkled.....	103
Total number of miles sprinkled.....	28.35
Average cost per mile.....	\$335.00
Average cost per linear foot.....	\$0.0634
Average cost per square yard.....	\$0.01787

STREET OPENINGS

One-hundred-fifty permits for street openings have been issued from March 1st 1916 to February 28th 1917.

Revenue earned.....	\$132.96
Transferred to Highway department.....	87.73
Balance in Street Opening fund.....	\$ 45.23

STATE AID ROAD

Hammond Street from Norway Road westerly was designated as a State Aid Road. Bids were advertised by the State Highway Commission Office for constructing a gravel road with stone "V" drain, the contract being awarded to Small & Ingalls and

Murtagh Hughes. Work was commenced October 11th, and rushed until December 1st.

The old stone culvert near the Hill Farm, about 425 feet easterly of the Odlin Road was removed and a sectional concrete culvert constructed.

The section of road improved begins at the end of the concrete road and runs westerly about 2300 feet. Engineering work and inspection was furnished by the City Engineers' Office.

The amount of money appropriated by the City was \$3,000 and the State appropriation being \$2,250, the joint fund being \$5,250.

This work is under the direct control of the State Highway Commission, all moneys paid out coming through that office.

STREET SIGNS

One hundred new street signs were purchased by the department and placed in the business section and main thorough fares. These signs, where permission could be obtained, were placed on buildings, thus doing away with the sign post or the placing of signs on telegraph poles and affording the street sign a great deal of protection.

These signs are of metal with enamel finish, having a blue background with white letters, and are probably the most durable street signs that can be purchased to-day.

Number of street signs placed during the year, 116.

COPYING CITY RECORDS

Good progress has been made in copying Plan Book No. 1, 235 plans having been transferred from the original Plan Book No. 1 to a loose leaf Plan Book. This work has been in progress during the Winter months and it is expected that the work on

this book will be completed this coming Spring and recommend that the original Plan Book be placed in some safety deposit vault for safe keeping.

BRIDGES

The expenditures for this department have been for necessary repairs and maintenance of the ten bridges crossing Penobscot River and Kenduskeag Stream, and for re-paving and repairing the general floor system of Kenduskeag Bridge. Upon inspection, the metal and concrete arches were found to be in very poor condition, the metal arching in many places having completely rotted through.

The concrete which supports the paving on the bridge, having been placed many years ago, was found to be very weak, and in places where the metal arching was gone, portions of the concrete had dropped into the stream making many places on the bridge very dangerous. The cement used in the construction of the old work was Rosendale cement, this cement being very much inferior to the high grade Portland cement which is now in general use. The work on this bridge was not completed but will undoubtedly be continued this coming Spring. The girders and floor beams are in good repair except that they need a coat of paint, and if kept properly painted, this bridge ought to be good for fifteen to twenty years service.

The Bangor and Brewer Bridge has received considerable attention; about four hundred-fifty tons of steel being painted. The expenditures on this bridge include the pay of the patrolman who has assisted in keeping the bridge clean and sprinkled.

During the past Winter, the committee from the Brewer City Council took up the matter of building a fence on the westerly side of the bridge to protect pedestrians from the heavy cold winds during the Winter months. The cost of such

a fence would be about \$575.00. The cost of maintenance of the fence would be about \$95.00 per year. This includes the cost of erection, removal, and general maintenance.

The bridge crossing the stream at Pushaw Road, generally known as Dudley Bridge, was thoroughly repaired. The center pier of this bridge was practically reconstructed and the floor system renewed where necessary.

Morses Mills, Merrill's Mills and Six Miles Falls Bridges were re-planked where found necessary.

The bridge which has the least cost on maintenance is Franklin Street. \$15.15 was expended for painting the iron fence. The average cost of maintenance for the past fifteen years on this bridge has been \$15.87 per year. This includes repairs to abutments and pier, but does not include interest on original cost of bridge. Included in the cost of maintenance of Morse's Mills bridge is \$189.00 for insurance, and Salt Mills bridge, \$168.00 for insurance.

FINANCIAL STATEMENT

Appropriation.....	\$8,000 00
Subsequent appropriation.....	960 19
	<hr/>
	\$8,960 19

EXPENDITURES

Bangor and Brewer Bridge.....	\$2,617 73
Franklin Street Bridge.....	15 15
Kenduskeag Bridge.....	1,908 44
Morse's Mills Bridge.....	406 11
Salt Mills Bridge.....	183 00
Merrill's Mills Bridge.....	370 19
Pushaw Road Bridge.....	741 82
Six Miles Falls Bridge.....	32 48
	<hr/>
	6,328 92

Balance unexpended, which will cover the balance of cost of repairing and re-paving Kenduskeag Bridge under contract with John Grady & Son.....	\$2,631 27
Revenue earned.....	\$559 30

MAIN STREET BITUMINOUS MACADAM

Surveys, plans, profiles and sections were made of Main Street from Union Street to the Hampden line. Specifications were prepared and bids advertised for constructing a bituminous macadam road, the contract being awarded to Small & Ingalls and Murtagh Hughes.

This work begins at Davis Street and when cold weather set in, the roadway had been finished to Catell Street, making about two-thirds of a mile completed. Work will probably be resumed in May.

The B. R. & E. Co., placed concrete between its rails as it was found impractical to place bituminous macadam.

The following shows the amount of bituminous macadam and cement concrete pavement laid:

	Sq. yds.
Northwest roadway from Davis to Catell Street.....	8,294.46
Southeast roadway from Davis to Catell Street.....	8,816.70
	<hr/>
	17,111.16
Bituminous macadam laid for B. R. & E. Co.....	1,184.70
	<hr/>
Total bituminous macadam.....	18,295.86
Cement concrete pavement laid by B. R. & E. Co.....	4,464.66
	<hr/>
Total amount pavement laid on Main Street.....	22,760.52

MISCELLANEOUS SURVEYS, PLANS, ESTIMATES
AND SPECIFICATIONS

Jury plan of portion of Main Street for use in case, *Dodge v. City of Bangor*, for City Solicitor.

Specifications for 10,000 cubic yards of gravel delivered on streets. Measurements of carts used in hauling gravel and monthly estimates and certificates for payment.

Fire Station Five, State Street, survey and plan. Plans and specifications for retaining wall. Measurements, estimates and certificates for payment.

Fire Station Six, Center Street; Survey and plan. Baseball Diamond at Maplewood Park staked for High School. Football Gridiron at Maplewood Park staked for High School.

Mt. Hope Cemetery; survey, plan and staking lots in Public Division.

City Hall; measurements and sketch of Police Entrance for construction of Patrol Garage, and supervision of erection of same.

Pine Grove Cemetery; survey of west line.

Survey and levels for grading walks at High School and Library.

Measurements, plans and specifications for reinforcing foundations walls of Armory Building, Court Street.

Plan of State and Hammond Streets for Electrical department, showing curb lines.

Measurements of contents of buildings of Water and Electrical departments at Pumping Station, State Street, for estimate of cost to heating.

The two large maps of the Water department were brought up to date, all new construction being added.

1917]

CITY OF BANGOR

275

FINANCIAL STATEMENT

Appropriation; Engineering salary	\$3,500 00
Appropriation; Engineering expense.....	400 00
	<hr/>
	\$3,900 00

EXPENDITURES

City Engineer's salary.....	\$1,200 00
City Engineer's horse hire.....	150 00
Street Engineer's salary.....	150 00
City Engineer's Assistants' salary.....	1,969 83
Engineering expense	260 15
Street Signs.....	143 35
	<hr/>
	3,873 33
Unexpended balance.....	<hr/>
	\$ 26 67

For a schedule of property belonging to the City Engineer's office, and the Bridge department, see report on file in City Engineer's office.

Respectfully submitted,

DAVID J. NASON,
City Engineer.

Report of Street Commissioner

To His Honor, the Mayor, and the City Council of Bangor:

GENTLEMEN:

I submit to you the following report of the Superintendent of the Streets for the years, 1916-1917.

TOTAL LIST OF EXPENDITURES

Brought over from last year and appropriation.....	\$116,885 70
Expended.....	111,405 98
	<hr/>
Balance unexpended.....	\$ 5,479 72

Included in the above list of expenditures are the \$29,000.00 for Main Street construction; \$12,536.73 for ten thousand yards of gravel more or less; \$565.00 for street oiling, \$8,941.57 for street sprinkling, and new equipment including,

Two old Road Machines for new one, (difference).....	\$215 00
Total for new equipment.....	\$215 00

GRAVEL ON STREETS FROM MOSQUITO MOUNTAIN

Baptist Hill.....	38 loads
Broadway.....	1147 loads
Burleigh Rd.....	76 loads
Finson Rd.....	74 loads
Fuller Rd.....	102 loads
Hammond St.....	268 loads
Highland St.....	30 loads
Ohio St.....	303 loads

Pond St.....	277 loads
Strickland Rd.....	408 loads
Union St.....	158 loads
Valley Ave.....	538 loads

In addition to that about 1700 loads of gravel were hauled from Mosquito Mountain and used for patching the different streets.

SIDEWALKS

Linden St.....	5 loads, re-surfacing
Summit Ave.....	21 loads, re-surfacing

PLANK SIDEWALKS

Plank sidewalks were laid in Haymarket Sq., Water St., and Hammond St. at a cost of.....	\$117 50
--	----------

THE GRAVEL CONTRACT FROM HUGHES GRAVEL BANK

Boutelle Rd.....	293.45	Cu. Yds.	
Cedar St.....	195.50	"	
Center St.....	466.85	"	
City Yard.....	327.75	"	(Patching)
Davis St.....	90.62	"	
Elizabeth Ave.....	10.51	"	
Fourth St.....	171.92	"	
Garland St.....	1,056.10	"	
Hammond St.....	10.40	"	
Hellier St.....	14.71	"	
Independent St.....	37.11	"	
Lincoln St.....	369.22	"	

Larkin St.....	492.82	“
Main St.....	1,309.48	“
May St.....	383.25	“
Norway Rd.....	131.11	“
Olive St.....	140.48	“
Park St.....	121.26	“
Parker St.....	263.39	“
Patten St.....	83.68	“
Pickering Sq.....	16.49	“
Royal Rd.....	13.06	“
Rio St.....	49.81	“
Summer St.....	680.78	“
State St.....	135.00	“
Sanford St.....	135.74	“
Seventh St.....	382.40	“
Sidney St.....	15.31	“
Savage St.....	7.53	“
Thatcher St.....	187.68	“
Third St.....	41.28	“
Union St.....	1,172.09	“
Vine St.....	169.72	“
Walter St.....	701.73	“
Warren St.....	180.19	“
Webster Ave.....	511.77	“
Webster Ave., N.....	214.11	“

SIDEWALKS

Elizabeth Ave.....	6.02	Cu. Yds.
First St.....	4.36	“
Fourth St.....	7.59	“
Larkin St.....	65.26	“
Parker St.....	28.81	“
Summer St.....	3.03	“
Walter St.....	67.60	“
Webster Ave., N.....	45.01	“
West St.....	18.20	“

CRUSHED ROCK ON ROADS

Baptist Hill.....	74 Loads
Columbia St.....	36 Loads
Hammond St.....	64 Loads
Main St.....	158 Loads
Ohio St.....	4 Loads

Sold to Bangor Cast Stone Co., 515.48 Cu. Yds. Crushed Stone.....\$775.00

NEW CULVERTS—PLANK

Allen St.....	2	Highland Ave.....	1	Mt. Hope Ave.....	2
West St.....	1	Essex St.....	1	Dartmouth St.....	1
Manners Ave.....	1	Blackstone St.....	1	Otis St.....	1
Fremont St.....	1	Stillwater Ave.....	2	Birch St.....	1

OLD PLANK CULVERTS—REPAIRED

Hammond St.....	1	Dexter St.....	1	Stillwater Ave.....	12
Dean St.....	1	Union St.....	1	Mt. Hope Ave.....	8
Royal Rd.....	1	Kossuth St.....	1	Harvard St.....	2
Perkins St.....	1	Grant St.....	1	Yale St.....	2
Allen St.....	1	Kenduskeag Ave.	4	Dartmouth St....	4

Using 12,115 feet of 2½ and 3 inch plank in new culverts and repairing old ones.

CULVERTS—METAL

- 30 ft. Corrugated culvert on Hammond St.
- 30 ft. Corrugated culvert on Broadway, Jct. of Strickland Rd.
- 31 ft. Corrugated culvert on Essex St.
- 25 ft. Corrugated culvert on Washington St.
- 56 ft. Cast Iron Culvert on Hammond St.
- 16 ft. Cast Iron Culvert on Stillwater Ave,
- 9 ft. Cast Iron Culvert on Mt. Hope Ave., Jct. Pearl St.
- 8 ft. Cast Iron Culvert on Pine St.

CULVERTS—SOLD

12 ft. of Cast Iron Culvert to Walter Bagerly
 12 ft. of Cast Iron Culvert to Fred A. Porter.
 12 ft. of Cast Iron Culvert to Doctor Burgess.

GRAVEL SIDEWALKS

Hazel St., Summit Ave., Wing St., Sanford St., Elizabeth Ave., Webster Ave., North, Lincoln St., Third St., Seventh St., Walter St., Patten St., Larkin St. and Buck St.

GRAVEL CROSSWALKS

Garland St., Mt. Hope Ave., Stillwater Ave., Union St. and Ohio St.

CONCRETE SIDEWALKS

Birch St., Easterly side.....	92.11	Sq. Yds.
Catell St., Southerly side.....	388.89	“
Catell St., Northerly side.....	287.77	“
Kenduskeag Ave., Westerly side.....	277.18	“
Main St., Northwesterly side.....	34.94	“
McKinley St., Southerly side.....	77.50	“
Pearl St., Easterly side.....	63.66	“
Railroad St., Northeasterly side.....	30.03	“
Second St., Southeasterly side	170.66	
State St., Southerly side.....	188.05	“
Universalist Church, Center to Park Sts.....	98.33	“
	<hr/>	
	1,709.12	“

1,709.12 sq. yds. at 84c a sq. yd. cost \$1,435.66, of which the abutters paid one-half.

SIDEWALKS RE-COATED WITH CONCRETE

Broadway, East side, Cumberland to Garland....	75.80	Sq. Yds.	@	.50c
Broadway, East side, Garland to S. Park St.....	638.93	"	@	.50c
Catell St., North side.....	27.77	"	@	.50c
Center St., South side.....	132.60	"	@	.60c
Center St., West side, near McKinley St.....	7.89	"	@	.50c
Division St., Northwesterly side.....	372.67	"	@	.50c
French St., West side between Garland and Cum- berland St.....	60.27	"	@	.65c
French St., East side.....	136.67	"	@	.84c
Fountain St., near Jefferson St.....	36.00	"	@	.50c
Jefferson St., North side, Norfolk to Leighton....	106.94	"	@	.50c
Jefferson St., North side, Leighton to Fountain....	121.47	"	@	.50c
Kenduskeag Ave.....	165.00	"	@	.50c
Prentiss St.....	238.66	"	@	.50c
March St.....	87.24	"	@	.50c
Railroad St.....	33.22	"	@	.50c
Park St.....	258.73	"	@	.50c
Total cost.....				\$1,318.59

CROSSWALKS RE-COATED WITH CONCRETE

Leighton St. at Jefferson St.....	44.56	Sq. Yds.	@	.60c
Norfolk St. at Jefferson St.....	90.66	"	@	.60c
Jefferson St. at Prentiss St.....	76.22	"	@	.60c
Total cost.....				\$126.87

NEW CONCRETE CROSSWALKS

Broadway, at north side of Cumberland St.....	90.63	Sq. Yds.	@	.90c
Broadway, at north side of Garland St.....	76.40	"	@	.90c
Birch St., at south side of Garland St.....	63.42	"	@	.90c
Center St., at Somerset.....	68.40	"	@	.90c
Cumberland St., at east side of Broadway.....	55.10	"	@	.90c

Cumberland St., at west side of Broadway	63.55	"	@ .90c
Division St., at Market St.....	56.33	"	@ .90c
Division St., at Jefferson St.....	120.95	"	@ .90c
Franklin St., at Harlow St.....	82.90	"	@ .65c
Pearl St., at south side of State St.....	66.28	"	@ .90c
Union St., at Colonial Hotel.....	62.11	"	@ .90c
Union St., at Clinton St.....	82.18	"	@ .90c
Union St., at First St.....	31.50	"	@ .90c
Total cost.....			<u>\$806.05</u>

GUTTERS PAVED

Baptist Hill, between Harlow and Center, using 400 paving stones
 Cross St., Main to Columbia, using 14 loads of sand
 Grove St., Northerly side, using 22 loads of sand.
 Fourth St., Southerly side, using 8 loads of sand.
 James St., Easterly side, using 12 loads of sand.
 Hazel St., Hancock to York, using 600 old cobble stones.

STREETS RE-PAVED

Broad St., Main St., and Kenduskeag Ave. Using 107 loads of sand.

STEAM ROLLER

The steam roller has been in use during this last summer 81 days, on the following streets at a cost of \$7.75 per day.

Garland St.....	18 days	Walter St.....	2 days
Union St.....	1 day	Hammond St.....	11 days
Baptist Hill.....	1 day	Summer St.....	4 days
Center St.....	3 days	Webster Ave.....	7 days
Columbia St.....	1 day	Olive St.....	8 days
May St.....	4 days	Main St. (below Tin Bridge).....	11 days
Total cost.....			<u>\$627.75</u>

CRUSHER

The stone crusher has been operated sixteen days; in that time 712.48 cubic yards of rock have been crushed. 515.48 cubic yards were sold to the Bangor Cast Stone Products Co.

CLEAN-UP WEEK

Clean-up Week which was started by the Bangor Chamber of Commerce two years ago was observed this year. The Street Department furnishing teams and men at a cost of \$581.34.

STREET CLEANING

The streets through the business section were kept clean by means of a patrol system of seven men. No machine sweeping at night was done this year as the patrol system seemed to give the best results, and was the most economical.

Total cost of street cleaning.....	\$9,257 09
Total cost of refuse and garbage.....	2,792 63
	<hr/>
Total of sanitation.....	\$12,049 72

ROAD-MACHINE

The following roads were machined; Hammond Street, Valley Ave., Kenduskeag Ave., Broadway, Mt. Hope Ave., Stillwater Ave., Harvard St., Yale St., Dartmouth St., Thatcher Street, Olive Street, Bellevue Ave. and Garland Street.

RE-CONSTRUCTION

Broadway has been turnpiked whole length and re-surfaced.
Ohio Street, re-surfaced.

Union Street re-surfaced.

Valley Ave. re-surfaced from the Morse Bridge through to
Kenduskeag Ave.,

Harvard Street has been turnpiked whole length.

Dartmouth Street has been turnpiked whole length.

Yale Street has been turnpiked whole length.

Finson Road has been re-constructed with a stone base 450
feet in length, 12 ft. wide, and graveled from Ohio St. to the
Eveleth Farm.

Hammond Street has been re-constructed with a stone base
550 ft. and graveled from the end of car line to the Hughes
Farm.

Essex Street has been re-constructed with a stone base 550
feet and graveled on the east side of the Essex Street school
house.

Garland Street has been re-constructed with a stone base
850 feet and graveled from Essex Street to Birch Street.

SPRINKLING

The streets were sprinkled by the Street Department with
hired teams using ten two-horse sprinklers; two, three-horse
sprinklers and G. B. Derby & Co.'s tub sprinkler at a cost of
\$8,941.57.

BRIDGES

The bridges were swept and kept clean by the Street Department. The Bangor and Brewer Bridge was machine swept 27 times, and the sweepings taken up by a single horse team at a cost of \$181.25.

The Morse Bridge was swept by the machine sweeper 9 times, and the sweepings taken up by a single horse team at a cost of \$60.75.

STATE ROAD

On the State Road on State Street, the Good Roads Committee dumped a number of loads of gravel and left it there without leveling it, making it dangerous to travel and after receiving a number of complaints we sent machines up to level it and make the road safe.

GENERAL EXPENSES

Blacksmith shop, (where all repair work was done on rolling stock).....	\$1,181 47
Grain.....	3,321 97
Hay.....	1,987 06
Straw.....	118 77
Repairs on harness.....	341 25
Lumber.....	359 60

HIRED TEAMS

R. Bell.....	\$ 751 50
Chas. Bradbury.....	1,379 50
Geo. Derby.....	1,324 75
J. F. Green.....	908 95

Alec McLeod.....	655 50
Murtagh Hughes.....	1,664 25
Mike Hughes.....	764 25
L. Coffin.....	662 75
Geo. Carlisle.....	635 50
Ansel Withee.....	663 75
Morse & Co.....	10 00

COST OF DEPUTY STREET COMMISSIONERS

P. J. Nelligan.....	\$450 35
A. G. Sanford.....	265 40
C. C. Sanford.....	72 95
F. R. Fuller.....	177 74
L. V. Wright.....	153 59
Fred Cort.....	344 72
H. O. Wilson.....	424 89
P. M. Whitney.....	321 72
Alberto Ham.....	95 41
E. C. Smith.....	131 42
A. H. Robinson.....	101 53
H. P. Lewis.....	313 20
E. H. Lewis.....	83 00
A. J. Chandler.....	80 37
F. H. Babcock.....	164 27
E. Hathorn.....	32 85
R. C. Eveleth.....	326 35
H. P. Blaisdell.....	164 95
C. H. Morrison.....	11 25
H. M. Vague.....	16 70
G. A. Gray.....	8 00
Total.....	<u>\$3,740 66</u>

STATE ROAD--NEW WORK

The City Government appropriated the sum of \$5,000.00 to be used on State Aid Road Work of which \$3,000.00 was used on Hammond St., with \$2,250.00 furnished by the State. The work which was not finished last Fall will be completed this Spring, with the unexpended balance of \$2,000.00.

GRANITE CROSSWALKS

	Length	Cost
Broad St.....	39 feet	\$49 85
Front St.....	46 feet	50 05
Garland St.....	285 feet	207 25
Somerset St.....	20 feet	37 00
Total.....		<u>\$344 15</u>

GRANITE CURBING

	Length	Cost
Garland St.....	10 feet	\$ 14 25
Baptist Hill.....	625 feet	456 70
Total.....		<u>\$470 95</u>

STREET OILING

The following streets have been given a coat of Asphalt oil: Baptist Hill, State St. Hill, Hammond St. Hill, Hammond St. from Ohio St. to Cedar St., Main St., from Union St. to Railroad St., Columbia St., Court St. and Union St. from Main St. to Hammond St. at a cost of.....

.....		\$565 00
One oil pump.....	\$40 00	
Labor.....	102 86	
Oil and demurrage.....	412 14	
Fuel.....	10 00	
Total.....		<u>\$565 00</u>

WINTER WORK

The Winter of 1916-1917 was a very severe one, and very expensive to the Street Department. The snow plows were out thirty-one times. The roads had to be broken out six times.

SNOW PLOWING

December.....	\$186 08	
January.....	333 59	
February.....	522 56	
		\$1,042 23

SNOW AND ICE REMOVAL

November.....	\$480 19	
December.....	948 60	
January.....	400 06	
February.....	1,171 88	
		\$3,000 73

The teams of the Street Department have sanded this Winter more than they have for several years, using 1,037 loads of sand.

Total cost of snow and ice removal and sanding, \$9,969.45.

The Department started to haul gravel on Broadway for use in the Spring, but on account of the severe Winter and so much snow it had to be stopped after we had hauled 100 loads.

OTHER WORK

In addition to the above mentioned work the Street Department graded the Little City Park at a cost of \$100.00, for which we were reimbursed by the Park Department.

Graded the new football grounds at Maplewood Park for the School Department at a cost of \$50.00.

One two-wheel trailer was made for the steam roller so it could haul its own coal.

Two new dump cart bodies were made.

In closing I would like to recommend the exchange of three pairs of horses this Spring. An old road machine should be exchanged into a new one. The steam roller should be thoroughly repaired. The sprinklers will have to have new sprayer spouts.

Thanking the Mayor, Committee on Streets, City Government, and the members of the Street Department for their assistance and support, I respectfully submit this report.

C. A. WOODBURY,
Street Commissioner.





Report of the Water Board



BANGOR WATER BOARD

1917

THE MAYOR, President, *ex-officio*

FLAVIUS O. BEAL.....	Term expires March, 1920
F. PARKER DENACO.....	Term expires March, 1920
WILLIAM S. HIGGINS.....	Term expires March, 1919
HOSEA B. BUCK.....	Term expires March, 1919
MILTON S. CLIFFORD.....	Term expires March, 1918
ALBERT L. BLANCHARD.....	Term expires March, 1918

WALTER I. BROWN, Clerk

STANDING COMMITTEES

ADVISORY COMMITTEE

W. S. Higgins	A. L. Blanchard	F. O. Beal
---------------	-----------------	------------

AUDITING COMMITTEE

M. S. Clifford	A. L. Blanchard	H. B. Buck
----------------	-----------------	------------

DAM AND WATER WORKS

W. S. Higgins	M. S. Clifford	F. P. Denaco
---------------	----------------	--------------

LAND DAMAGES COMMITTEE

F. P. Denaco	F. O. Beal	H. B. Buck
--------------	------------	------------

OFFICERS

Melville A. Sinclair	Superintendent
John W. Dougherty.....	Chief Engineer Pumping Station
Walter I. Brown.....	Clerk and Collector
Cornelius O'Brien.....	Inspector
Thomas V. Campbell.....	Inspector
Prof. Jas. M. Caird, Troy, N. Y.....	Consulting Chemist
A. C. Powell.....	Resident Chemist
Delia G. Mann.....	Assistant Water Board Office
Edna B. Pickard.....	Assistant Water Board Office
F. Virginia Cluff.....	Assistant Supt. Office

BANGOR WATER BOARD

Date of Election and Length of Service of Members, 1875-1915

*Geo. Stetson.....	1875-1887
*W. T. Pearson, resigned, and	
*G. L. Boynton, elected.....	1875-1877
*L. H. Eaton.....	1875-1877
*A. G. Wakefield.....	1877-1879
*J. S. Ricker.....	1877-1879
*M. S. Drummond.....	1877-1880
*Sprague Adams.....	1877-1879
*Hiram B. Williams.....	1877-1887
*Geo. Savage.....	1877-1878
*Hiram H. Fogg.....	1878-1893
*Thomas W. Vose.....	1879-1901
Wm. Conners.....	1879-1883
*Silas D. Jones.....	1879-1885
*John L. Cutler.....	1880-1891
T. U. Coe.....	1883-1886
*Charles I. Collamore.....	1885-1900
*James Adams.....	1886-1903
Thomas White.....	1887-1896
Hugh R. Chaplin.....	1891-1894
Chas. S. Pearl.....	1893-1896
*James H. Snow.....	1894-1897
T. U. Coe.....	1896-1905
W. W. Fellows.....	1896-1899
*Warren A. Bragg.....	1897-1906
Charles F. Bragg.....	1899-1905
Milton S. Clifford.....	1900-1906
William Z. Clayton.....	1901-1904
William W. Fellows.....	1904-1907
George E. Wharff.....	1904-1907
Freeland Jones.....	1905-1908
*Jas. B. Mullen.....	1905-1911
Jas. F. Singleton.....	1906-1909
*Edward S. Perry.....	1906-1909
Charles F. Bragg.....	1907-1910

Arthur Chapin.....	1907-1910	
Milton S. Clifford.....	1908-1911	
F. Parker Denaco.....	1909-1912	
*William H. Gorham.....	1909-1912	
William S. Higgins.....	1910	Now in office
Patrick J. Feeney.....	1910-1912	
Flavius O. Beal.....	1911-1913	
John F. Woodman.....	1911-1915	
Milton S. Clifford.....	1912	Now in Office
Albert L. Blanchard.....	1912	Now in Office
Bernhard M. Kirstein.....	1912-1915	
John H. Rice.....	1913-1914	
F. Parker Denaco.....	1914	Now in Office
Flavius O. Beal.....	1916	Now in Office
Hosea B. Buck.....	1916	Now in Office

*Deceased

PRESIDENTS OF THE BOARD, *ex-Officiis*

Mayor, *Augustus C. Hamlin.....	1877-1879
“ *William H. Brown.....	1879-1881
“ *Lysander Strickland.....	1881-1883
“ *Frederick A. Cummings.....	1883-1884
“ *Samuel F. Humphrey.....	1884-1885
“ *Edward B. Nealley.....	1885-1887
“ Charles F. Bragg.....	1887-1890
“ Edward H. Blake.....	1890-1891
“ *Joseph F. Snow.....	1891-1892
“ Flavius O. Beal.....	1892-1895
“ *Charles L. Snow.....	1895-1896
“ Flavius O. Beal.....	1896-1899
“ Arthur Chapin.....	1899-1902
“ *William Engel.....	1902-1903
“ Flavius O. Beal.....	1903-1905
“ William B. Pierce.....	1905-1907
“ John F. Woodman.....	1907-1911
“ Charles W. Mullen.....	1911-1913
“ Flavius O. Beal.....	1913-1914
“ John G. Utterback.....	1914-1915
“ *Frank Robinson.....	1915-1915
“ ' John F. Woodman.....	1916-

*Deceased

Report of the Water Board

To the City Council of Bangor:

The Water Board herewith submits its 42nd Annual Report together with the reports of its Superintendent, Clerk and Collector, Chemist and Bacteriologist, and Engineer of Pumping Station.

Extensions to street mains to the amount of 5545 feet have been made during the year while 327 feet of pipe have been relaid. This makes a total distributing system of 56 and 2020-5280 miles. The addition of 3 new hydrants makes our total number at this date 325.

The filter plant built in 1911 continues to give satisfactory results. The report of Prof. J. M. Caird herein printed in full contains valuable information and your attention is especially called to it.

A daily average of 3,789,558 gallons of water has been pumped during the year, an increase of 237,706 gallons over last year. The total water pumped during the year is 1,383,188,700 gallons.

The Collector reports cash receipts of \$93,798.94 and total credits of \$108,158.94, with his usual good record of all dues paid.

The physical valuation of the Municipal Water Plant which was ordered by the Public Utilities Commission has been completed. The work was done under the supervision of Prof. J. M. Caird, assisted by Mr. E. L. Grimes, Engineer.

This work required a great amount of time and expense, yet considering the fact that no such a valuation had previously been made for the city, the board feels that the department received good value for the money so expended. This work was gone into in a very thorough and complete manner and the results obtained are highly satisfactory. A full report of this work is on file at the office of the Water Board. To comply with other requirements of the Public Utilities Commission a complete change has been made in the accounting system in the Collector's Department. A notable change and one which the Board considers most beneficial to the water customers is the mailing of bills each quarter.

For recommendations for future work we would refer to the report of the Superintendent.

JOHN F. WOODMAN, Mayor

ALBERT L. BLANCHARD,
F. O. BEAL,
WM. S. HIGGINS,
HOSEA B. BUCK,) Water
Board

Bangor, Maine, May 14th 1917.

Report of the Superintendent

March 1, 1917.

GENTLEMEN:

I submit for your approval the forty-second annual report of the Superintendent, for the fiscal year ending February 28, 1917.

STREET MAINS EXTENDED

The water supply mains of the distribution system are in good repair; it was found necessary to extend the following:

Location	Feet	Dia. in Inches
Cedar from Main, east.....	150	2
Highland Avenue from Cottage, south.....	257	2
Union, from end of pipe laid before, north.....	178	2
Sunmit Avenue from State to Garland.....	561	6
Bellevue Avenue, from end of pipe laid before, to State	370	6
Fern, from end of pipe laid before, to Mt. Hope Ave....	680	6
Palm from Garland, south.....	177	6
Elizabeth from Webster, north.....	392	6
Fourteenth, from end of pipe laid before, to Union.....	343	6
Fifteenth, from end of pipe laid before, to Union.....	24	6
Parker, from Fourth, west.....	137	6
Fourth, from Parker to Warren.....	265	6
Mt. Hope Avenue, from Birch to Pearl.....	885	8
Union, from end of pipe laid before, to Sixteenth	1453	12
Total.....	5872	

RECAPITULATION

	Feet
Total number of 2 inch galvanized iron pipe laid.....	585
Total number of 6 inch cast iron pipe laid.....	2949
Total number of 8 inch cast iron pipe laid.....	885
Total number of 12 inch cast iron pipe laid.....	1453
	5872
Total miles of distribution system.....	56 2020-5280

To improve the service I recommend that the following pipe lines be enlarged from 2 to 6 inches:

Patrick, from Hancock to York
 Carr, from Hancock to York
 Hazel, from Hancock to Boyd
 Boyd, extended to Hancock

BREAKS AND LEAKS

The most serious break of the year occurred at the Pumping Station; it was found necessary to even remove a portion of the wall of the building before the repairs could be completed in a satisfactory manner.

Eleven leaks have been repaired; three in hydrants and one in the main line.

GATE VALVES

The gate valves have had the customary annual inspection and are in good repair. It will be necessary to renew many of the gate boxes this coming year; those protecting larger boxes should be replaced by the regulation brick or concrete box which would allow the gate valve to be repaired easily without any excavation of the street pavement.

The following have been added:

Location	Dia. in Inches
Elizabeth, blow-off.....	2
Manners Avenue and Rutland, blow-off.....	2
Highland Avenue and Cottage.....	2
Cedar and Main, east.....	2
Palm, blow-off.....	2
Court, near Clark, hydrant line.....	4
Union and Main, hydrant line.....	4
Main, opposite E. C. Nichols, hydrant line.....	4
Hancock and Essex, hydrant line.....	4
Ohio, opposite Highland Street, hydrant line.....	4
Elizabeth and Webster Avenue, north.....	6
Fourteenth and Union.....	6
Fifteenth and Union.....	6
Union and Fifteenth, hydrant line.....	6
Fourth and Parker, hydrant line.....	6
Fourth and Warren.....	6
Parker and Fourth.....	6
Kossuth and Jesse, hydrant line.....	6
Summit Avenue and State.....	6
Bellevue Avenue and State.....	6
Fern and Mt. Hope Avenue.....	6
Palm and Garland, south.....	6
Summit Avenue and Garland.....	6
Mt. Hope Avenue and Birch.....	8
Main and Hodgdon.....	8
Union and Fourteenth.....	12
Total set for year.....	26

GATE VALVE DATA

Dia. in inches	1½	2	4	6	8	12	16	20	24
Number	1	42	150	360	50	16	5	11	1
Total.....									636

FIRE HYDRANTS

“M” pattern denotes Mathews.

All fire hydrants are in good condition. During the Winter of 1916-17 much extra attention has been given them to prevent the frost from lifting the outside cases and causing serious damage. Three have been added, making the total connected with the system, 325.

Location	Pres. in lbs.	Pattern
Summit Avenue and Garland.....	80	M
Union and Fifteenth.....	55	M
Kossuth and Jesse.....	70	M

During the past year it has been a rule of the department for an employee to respond to every alarm of fire to give careful attention to the fire hydrants.

SERVICES

The service department has installed 48, renewed 105, and discontinued 7 services during the year. The total number connected with the system is 5,283. Eighty-two service pipes have been cleaned in a satisfactory manner.

STREET WATERING STAND-PIPES

The number of street watering stand-pipes remains the same as in 1915.

EAST SIDE

Birch and Hancock
 Congress and Center
 Cumberland and Market
 Elm, near school-house
 Fern and State
 Franklin, east side of street
 Grant and Linden
 Hancock and Oak
 Harlow and Curve
 Kenduskeag Avenue and Jefferson
 Newbury and York
 North Park, between Broadway and
 Stillwater Avenue
 Otis and State
 Palm and Garland
 Pine and State
 State, opp. B. R. & E. car barn
 Somerset and French
 Washington and Hancock

WEST SIDE

Allen and Hammond
 Broad at Bangor Egg Co.
 Buck and Main
 Cedar and Main
 Cottage, near Ohio
 Cottage and Union
 Court, near Clark
 James and Union
 Main, near R. R. Bridge
 Main opposite Patten
 Main, near City Farm
 Ohio, near Fourteenth
 Pond and Cedar
 Railroad, near Front
 Royal Road
 Second, near Water Dept's pipe yard
 Summer and Union
 Third and Cedar
 Third and Lincoln
 Union and Hammond
 Union and Seventeenth
 Warren and Fourth
 West Broadway and Hammond
 Ohio and George

Total 42

METERS

The meters are all in good working order. The following list gives the settings, and also those in stock.

Sizes	5-8 in.	3-4 in.	1 in.	1½ in.	2 in.	3 in.	4 in.	6 in.	Total
Crown.....	17	1	6	9	9	0	0	1	43
Empire.....	0	18	0	2	5	0	0	0	25
Nash.....	0	4	0	0	0	0	0	0	4
Gem.....	0	0	0	0	2	19	3	0	24
Lambert.....	0	1	6	5	9	1	0	0	22
Hersey.....	0	0	4	0	0	0	0	0	4
Disc.....	0	4	0	0	0	0	0	0	4
Trident.....	1	0	0	0	0	0	0	0	1
	—	—	—	—	—	—	—	—	—
	18	28	16	16	25	20	3	1	127

STAND-PIPE

The stand-pipe and superstructure are in good condition. The inside of the iron pipe portion has been scraped and given two coats of paint. No signs of pitting in the iron was discovered.

DAM AND PIERS

At present our crews are repairing the sluice on the southeast side; it will be necessary to renew it about 100 feet in length.

Some of the planking of the dam will have to be replaced very soon, as it is very badly worn.

The fish-way still remains in good condition. During the year a few repairs have been made.

DEPARTMENT BUILDINGS

There are some repairs at the wheel house at the Pumping Station that must be completed this coming year. Two years ago some of the water wheel pits were so tightened that they could be closed from service independently and allow machinery

repairs easily in water-tight compartments. This arrangement has since proved so important that no time should be lost before repairing those that remain. The floor of the wheel-house, which is directly over the water wheel pits, should be relaid, and also new floor timbers cut in where found necessary.

The department is badly in need of a new shop. Our present location at 25 Court Street is far too small, very hard to heat in winter, and so arranged as to be expensive to maintain in every way. Since a lot is owned by the City on Second Street, I earnestly recommend that a two-story fire-proof building be erected this summer that will accommodate all of the department stock and repair rooms, garage and stable. The care of the department has so increased that it is very necessary to have an emergency crew of two men on duty nights, Sundays and holidays; the building that we occupy at present is far too small and unfit for such arrangements.

In closing I wish to express my thanks to the Mayor, Water Board and all employees of the Department for their hearty co-operation during the year.

Respectfully submitted,

M. A. SINCLAIR,
Superintendent.

Report of the Water Collector

WATER COLLECTOR'S OFFICE
Bangor, March 1, 1917

To the Bangor Water Board:

GENTLEMEN:

In compliance with the requirements of the city ordinance, I herewith present the forty-second annual report of the department, showing the receipts, expenditures and refunds for the year ending February 28, 1917.

CASH STATEMENT

On hand February 29, 1916.....	\$	709	16	
Received from general water service, from March 1, 1916 to March 1, 1917.....		94,026	22	
Received from water supplied to circus.....			10	00
				<hr/>
				\$94,745 38
Received from sale of cast iron pipe, scrap, etc.....	\$	196	87	
Received from sale of grass.....			17	00
Received from sale of empty cloth bags			70	00
Received from sale of oil barrels.....			4	55
Received from sale of miscellaneous merchandise			11	45
Received from use of transformer.....			10	00
Received from use of tapping machine.....			5	00
Received from Electric Bleaching Gas Co., refund on steel cylinders.....			219	05
				<hr/>
				\$95,279 30

1917]

CITY OF BANGOR

305

CONTRA

By paid T. G. Donovan, City Treasurer.....	\$94,246 87	
By paid water customers for vacancies and non- use of fixtures.....	237 28	
Cash on hand.....	795 15	
	<u> </u>	\$95,279 30

The collector wishes to report that all charges for water rates within the year ending February 28, 1917, have been paid.

CHARGES ON WATER LEDGERS

Amount per schedule ledger, from March 1, 1916 to March 1, 1917.....	\$ 73,805 48	
Amount per meter ledger.....	21,793 73	
Amount to charitable institutions.....	2,360 00	
	<u> </u>	\$97,959 21

REFUNDS

Water rates to the amount of.....	\$ 237 28	
Which deducted from the receipts for water	96,396 22	
	<u> </u>	
Which leave net receipts for water.....		\$96,158 94
Add the amount appropriated by City Council and credited the department for water furnished the various departments.....	12,000 00	
	<u> </u>	\$108,158 94

TURN-ON AND SHUT-OFF RECORD

Eight hundred and ninety-two (892) orders have been issued for turning on water and removing seals from fixtures.

Nine hundred twenty-two (922) orders have been issued for shutting off water on account of vacancies and seals applied to fixtures at the request of owners.

NON-PAYMENT OF WATER RATES

It became necessary to shut off water from two premises, the owners thereof refusing to comply with the law for the prompt payment of rates.

Since the sending of bills the amount paid in advance of April 1st is considerably less than formerly.

The following amounts represent an estimate of the water furnished the City Departments:

Incidental Account.....	\$ 921 00
School Department.....	1,610 25
Highway Department.....	1,312 50
Fire Department.....	8,051 50
Pauper Department.....	222 50
Sewer Department.....	400 00
Electric Department.....	62 00
Police Department.....	111 00
Park Department.....	350 00
Water Department.....	117 00

There were 48 new services installed during the past season, and the fixtures connected therewith amount to \$1477.50, classed as follows:

79 Sinks	10 Plain Faucets
124 Water Closets	3 Soda Fountain Glass Washers
105 Bath Tubs	4 Urinals
120 Wash Bowls	2 Barber Chairs
69 Set Wash Tubs	1 Carborater
6 Cellar Faucets	1 Air Pump
46 Sill Faucets	1 Tank
8 Counter Faucets	7 Stable Faucets for 23 horses and 1 cow

The Inspector, Mr. Cornelius O'Brien, has reported as having inspected the fixtures at 4547 dwellings and places of business. He was unable to gain admittance at 205 dwellings and business premises.

Since our report of last year, the new system of accounting as required by the Public Utilities Commission has been installed. From the beginning, due to various causes, there seemed to be many obstacles to retard the proper running of the system.

We can now, however, report that many of the difficulties have been overcome.

The sending of bills to our customers was inaugurated July 1st, 1916. The result has been very satisfactory, and an improvement over the former system.

The failure on the part of the customers, in many instances, to bring the bills when making payment at the office, has been the only drawback to the billing system.

Considering the fact that most of the public utilities, here and elsewhere, allow but ten days for the prompt payment of bills it would seem advisable for the Board to consider at the proper time the changing of the present method of payment to a shorter period.

YEARLY REVENUE

Statement of the yearly revenue received from water service since the introduction of the Water Works in 1875:

From introduction to March 14, 1877.....	\$ 7,198 55
From March 14, 1877 to March 14, 1878.....	11,835 75
From March 14, 1878 to March 14, 1879.....	20,269 50
From March 14, 1879 to March 14, 1880.....	20,970 50
From March 1, 1880 to March 8, 1881.....	23,133 00
From March 8, 1881 to March 15, 1882.....	26,014 00
From March 15, 1882 to March 14, 1883.....	26,408 00
From March 14, 1883 to March 14, 1884.....	26,947 61
From March 14, 1884 to March 14, 1885.....	28,052 00

From March 14, 1885 to March 16, 1886.....	35,875 75
From March 16, 1886 to March 16, 1887.....	33,465 57
From March 16, 1887 to March 13, 1888.....	35,118 97
From March 13, 1888 to March 12, 1889.....	37,316 61
From March 12, 1889 to March 13, 1890.....	40,552 12
From March 13, 1890 to March 10, 1891.....	44,668 30
From March 10, 1891 to March 10, 1892.....	46,864 09
From March 10, 1892 to March 10, 1893.....	47,763 19
From March 10, 1893 to March 10, 1894.....	49,878 83
From March 10, 1894 to March 1, 1895.....	53,405 30
From March 1, 1895 to March 1, 1896.....	56,005 43
From March 1, 1896 to March 1, 1897.....	59,173 21
From March 1, 1897 to March 1, 1898.....	63,447 10
From March 1, 1898 to March 1, 1899.....	66,766 72
From March 1, 1899 to March 1, 1900.....	66,610 91
From March 1, 1900 to March 1, 1901.....	60,300 68
From March 1, 1901 to March 1, 1902.....	61,673 52
From March 1, 1902 to March 1, 1903.....	64,362 83
From March 1, 1903 to March 1, 1904.....	66,559 27
From March 1, 1904 to March 1, 1905.....	66,829 59
From March 1, 1905 to March 1, 1906.....	71,222 24
From March 1, 1906 to March 1, 1907.....	75,001 98
From March 1, 1907 to March 1, 1908.....	76,875 63
From March 1, 1908 to March 1, 1909.....	78,738 09
From March 1, 1909 to March 1, 1910.....	81,812 92
From March 1, 1910 to March 1, 1911.....	81,615 38
From March 1, 1911 to March 1, 1912.....	95,579 94
From March 1, 1912 to March 1, 1913.....	98,895 00
From March 1, 1913 to March 1, 1914.....	102,888 18
From March 1, 1914 to March 1, 1915.....	103,242 02
From March 1, 1915 to March 1, 1916.....	105,122 71
From March 1, 1916 to March 1, 1917.....	108,158 94

\$2,326,620 11

Respectfully submitted,

WALTER I. BROWN,

Clerk and Collector.

REPORT OF Engineer of Pumping Station

Bangor, Maine, March 1, 1917

To the Bangor Water Board:

GENTLEMEN:—Permit me to submit the following report for municipal year ending February 28th 1917.

The amount of water pumped to the consumers has been as follows:

1916	
March.....	118,386,100
April.....	104,684,500
May.....	107,502,500
June.....	108,964,200
July.....	114,674,200
August.....	119,283,300
September.....	115,344,500
October.....	114,911,900
November.....	106,826,000
December.....	112,100,900
1917	
January.....	127,404,800
February.....	133,105,800
Total.....	1,383,188,700

An average per day of 3,789,558 gallons which is an increase of 237,706 gallons over last year.

On August 17th, the cross-head on the down river side of the Gaskill Pump broke. This happened when the stand-pipe was being painted and we were pumping direct to the mains which is much harder on the pumps. The steam pump was run three days while new cross-head was being made. It was again run from August 23 to 29 while the sixteen inch discharge pipe was being repaired, also two days in December while the Electric Department was working on water wheels.

Your Board has contracted for new plungers and bushings for the Dean Power Pump which will put this pump in first class condition.

Other repairs have been only such as are chargeable to ordinary wear and tear of machinery in constant use and to-day it is in good condition.

In closing I wish to thank the Mayor, Water Board, Officers and employees for their many courtesies shown during the year.

Respectfully submitted,

J. W. DOUGHERTY,

Engineer of Pumping Station.

Report of The Chemist and Bacteriologist

Troy, N. Y., March 10th 1917

The Honorable, The Bangor Water Board, Bangor, Maine:

GENTLEMEN:

Permit me to submit a review of the operation of the Filter Plant for the year ending February 28th 1917.

The plant is in charge of Mr. A. C. Powell, resident chemist and bacteriologist.

The water supply of Bangor is obtained from the Penobscot River, this being the source since the original pumps were installed in 1876.

The Penobscot River has a drainage area of about 7,700 square miles above the water works intake. The water is always highly colored, carries very little turbidity but is somewhat polluted, due to sewage from several localities, waste from the pulp mills and drainage from numerous farms.

In January, 1897, a Warren Type Gravity Filter Plant was placed in operation, this plant was operated without any coagulant until 1905.

In 1908 the coagulation basin was completed and placed in operation.

A new concrete gravity filter plant was placed in operation February 6th 1911 and consisted of six filter units. In 1912, the plant was increased in capacity by the equipment of two blank units, so that at the present time this plant consists of eight units with a total sand area of 3,407 square feet.

The minimum capacity of this plant is 6,000,000 gallons per day, but this rate can be greatly exceeded for short periods.

The sand in the filters has an effective size of .55 to .59 mm. and a uniformity coefficient of 1.25 to 1.74.

No trouble has been experienced in the operation of this plant since it was installed.

At times of extreme cold weather ice has formed in the rear of the beds, under the concrete decks, but this has been overcome by reducing the "head" of the water on the sand beds, so that air may freely circulate under the filter decks.

In operating the filters during the cold weather, it is necessary to wash them every six or eight hours, otherwise they become "air bound" and permit undesirable water to pass. The "air bound" conditions commence when the temperature of the water is below 45° F. When the water is warmer it is possible to operate the filters from 16 to 24 hours between washings.

Table Showing Water Filtered, Bangor, Maine

Year	Filtered	
1909-10	1,392,824,000 gallons	
1910-11	1,453,981,000	4.3% inc.
1911-12	1,507,773,000	3.7% "
1912-13	1,443,578,000	4.1% dec.
1913-14	1,505,350,000	4.3% inc.
1914-15	1,443,800,000	4.1% dec.
1915-16	1,359,590,000	5.8% "
1916-17	1,399,647,000	2.9% inc.

The average amount of water treated during the past year was about 3,834,600 gallons per day.

Table Showing Waste Water, Bangor, Me.

Year	Waste	
1909-10	139,960,000 gallons	10.0%
1910-11	116,256,000 "	7.9%
1911-12	47,073,000 "	3.1%
1912-13	55,848,000 "	3.9%
1913-14	98,563,000 "	6.5%
1914-15	92,798,000 "	6.4%
1915-16	87,938,000 "	6.4%
1916-17	96,299,000 "	6.9%

The waste water includes the water used in washing the filters and also that discharged from the coagulation basins when they are being cleaned. The coagulation basins have a capacity of 1,500,000 gallons and are cleaned several times each year.

It is to be noted that since the installation of the new filters there has been a reduction in the waste water, and as filtered water is used in washing the filters, there has been some saving in the operation cost.

Table Showing Water Delivered to Consumers, Bangor, Maine

Year	Delivered	
1909-10	1,252,864,000 gallons	
1910-11	1,337,725,000 "	6.7% inc.
1911-12	1,492,563,000 "	11.5% "
1912-13	1,387,730,000 "	7.1% dec.
1913-14	1,451,986,000 "	4.6% inc.
1914-15	1,394,427,000 "	4.0% dec.
1915-16	1,302,366,000 "	6.6% "
1916-17	1,384,075,000 "	6.2% inc.

The average amount of water delivered was 3,800,000 gallons per day or a per capita consumption of about 158 gallons.

The general operating results will be found by months in the following table.

During the year 4,377 filters were washed, an average of 12 per day. This is an increase of 8.0% in the number of filter washings.

The average amount of water used in washing one filter was about 22,000 gallons, the filter being out of service about 8 minutes.

The bacterial efficiency of the plant is shown in the following table, the results cover a period of two years (1909-11) with the old filters and six years with the new filters.

Table Showing Bacterial Removal, Bangor, Me.

Year	Basins	Filters	Total	Mains	Raw to Tap
1909-10	62.21%	57.47%	85.63%	29.50%	89.86%
1910-11a	79.00%	53.40%	90.28%	00.84%	90.71%
1911-12	82.66%	88.25%	97.79%	19.41%	98.67%
1912-13	86.09%	91.24%	98.79%	18.75%	99.01%
1913-14b	88.14%	88.96%	98.67%	12.50%	98.86%
1914-15c	87.81%	88.68%	98.62%	12.20%	98.79%
1915-16d	89.39%	88.78%	98.81%	12.23%	98.95%
1916-17e f	85.85%	89.88%	98.57%	11.91%	98.77%
Avg. 8 yrs.	85.14%	80.83%	95.89%	14.67%	96.70%
a Calcium hypo-chlorite used 3 months during 1910-11					
b	"	"	2	"	1913-14
c	"	"	4	"	1914-15
d	"	"	6	"	1915-16
e	"	"	2	"	1916-17
f	Liquid chlorine	"	5	"	1916-17

When calcium hypo-chlorite was used, it was applied to the water before it entered the coagulation basins, the average amount used was about 14 pounds per million gallons of water.

During the past year a Liquid Chlorine Apparatus was installed, this solution is applied to the water after it has passed the coagulation basin and just before filtration. The liquid chlorine is applied at the rate of about 3.3 pounds per million gallons of water.

Gelatin media is used for the bacterial count, this being incubated for 48 hours at 20% C.

Since the new filters were placed in operation, there has been an improvement in the bacterial removal of the plant.

Several times during the past year the State Board of Health have examined the filtered water and in each instance the report shows that the quality of the water is desirable for drinking purposes.

The results obtained by the State Board of Health compare with the results obtained in the Water Board Laboratory.

It is to be noted that there is a decrease in the bacterial content of the water due to passing through 1½ miles of mains.

The plant is also efficient in removing B. Coli-communis the "intestinal bacillus."

Table Showing Removal of B. Coli-communis, Bangor, Me.

Year	Basin and Filters	Mains	Raw to Tap
1909-10.....	88.23%	79.02%	97.53%
1910-11.....	89.42%	56.37%	95.38%
1911-12.....	97.63%	77.52%	99.47%
1912-13.....	98.97%	98.89%	99.90%
1913-14.....	98.71%	77.88%	99.72%
1914-15.....	87.86%	85.11%	99.68%
1915-16.....	99.35%	100.00%	100.00%
1916-17.....	98.34%	93.67%	99.90%
Avg. 8 yrs.....	94.81%	83.56%	98.95%

There has been a great improvement in the removal of B. Coli-communis since the introduction of the new filters and the use of the sterilizing reagent.

During the past year 1,053 samples of 1 c.c. each of the city tap water were examined for B. Coli-communis, only one gave positive results.

The peculiar character of the water can best be seen from a study of the results in detail.

The unfiltered water always contains a high color, very little turbidity and a low alkalinity. The bacterial content varies considerably, the "intestinal bacillus" B. Coli-communis is always present.

Table Showing Color, in parts per million,
Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	145.0	45.0	71.0
1910-11.....	80.0	45.0	55.7
1911-12.....	88.0	45.0	56.0
1912-13.....	135.0	45.0	66.0
1913-14.....	120.0	45.0	59.7
1914-15.....	68.0	38.0	52.4
1915-16.....	110.0	33.0	54.5
1916-17.....	100.0	35.0	57.3
Avg. 8 yrs.....	105.7	41.4	59.1

The average color of the unfiltered water was 5.1% higher than during the previous year. The maximum color was 9.1% less and the minimum 6.0% higher than during the previous year.

Table Showing Range in COLOR, in parts per
million, Unfiltered Water, Bangor, Me.

Color in parts per million	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0-40	0	25	34	34	31
41-50	102	98	103	75	92
51-60	131	224	158	161	181
61-70	69	17	54	48	40
Over 70	63	0	17	47	21

During the past year the color of the unfiltered water was above 50 parts per million on 256 days or 70.1% of the time.

Table Showing TURBIDITY, in parts per million
Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	50.0	0.0	2.39
1910-11.....	40.0	0.0	.37
1911-12.....	19.0	0.0	.68
1912-13.....	20.0	0.0	.89
1913-14.....	15.0	0.0	.44
1914-15.....	25.0	0.0	.54
1915-16.....	15.0	0.0	.20
1916-17.....	15.0	0.0	.12
Avg. 8 yrs.....	24.9	0.0	.70

The maximum turbidity of the unfiltered water has never been above 50 parts per million during the past eight years. A small amount of turbidity in the unfiltered water is a great help in the operation of this filter plant.

Table Showing Range in TURBIDITY, in parts per
million, Unfiltered Water, Bangor, Me.

Turbidity parts per million	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0- 0	273	336	352	358	349
1-10	106	24	12	6	14
11-25	3	4	2	1	2
Over 25	1	0	0	0	0

During the past year the unfiltered water was free from turbidity on 358 days or 98.1% of the time.

Table Showing Alkalinity, in parts per million,
Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	14.0	4.0	8.8
1910-11.....	17.0	8.0	11.4
1911-12.....	21.0	6.0	12.5
1912-13.....	15.0	7.0	11.3
1913-14.....	15.0	8.0	10.9
1914-15.....	15.0	7.0	11.6
1915-16.....	13.0	7.0	11.1
1916-17.....	15.0	8.0	11.8
Avg. 8 yrs.....	15.6	6.9	11.2

The average alkalinity of the unfiltered water was 6.3% higher than during the previous year.

Table Showing Range in ALKALINITY, in parts per million,
Unfiltered Water, Bangor, Me.

Alkalinity parts per million	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0- 5	1	0	0	0	0
6-10	176	99	88	84	90
11-15	179	265	278	281	275
Over 15	8	0	0	0	0

During the past year alkalinity of the unfiltered water was below 16 parts per million the entire time.

Table Showing BACTERIA, per c. c., Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	15,750	86	1,725
1910-11.....	6,050	150	2,542
1911-12.....	11,600	1,400	3,286
1912-13.....	7,800	1,000	2,624
1913-14.....	11,000	1,000	3,051
1914-15.....	9,600	1,500	2,968
1915-16.....	9,200	700	2,753
1916-17.....	8,800	1,400	2,927
Avg. 8 yrs.....	9,975	905	2,735

The maximum number of bacteria per c. c. in the unfiltered water was 4.3% less and the average 6.2% greater than during the previous year.

Table Showing Range of BACTERIA, per c. c., Unfiltered Water, Bangor, Me.

Bacteria per c. c.	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0- 500	30	0	0	0	0
501- 1000	16	0	7	0	2
1001- 2500	157	171	167	159	166
2501- 5000	139	169	179	194	181
5001-10000	17	23	13	12	16
Over 10000	3	0	0	0	0

During the past year the bacteria per c. c. in the unfiltered water were above 5,000 on 12 days or 3.3% of the time.

During the past three years the bacteria in the unfiltered water has never been below 500 per c. c.

Mineral Analysis of Raw Water

Date	Total Solids	Loss on Ignition	Mineral Residue	Silicon	Aluminum	Calcium	Magnesium	Sulphates	Iron
1916									
March	65	40	25	1.84	.89	5.86	.81	4.72	.10
April	61	38	23	2.26	.83	3.36	.67	6.20	.10
May	57	36	21	1.18	.62	4.43	.85	4.22	.10
June	80	53	27	1.32	.86	5.08	1.27	3.81	.20
July	76	56	20	2.82	1.64	5.08	1.03	5.04	.15
August	79	57	22	1.56	1.02	6.50	2.07	6.03	.20
September	82	59	23	1.37	.76	5.36	.98	4.80	.20
October	82	57	25	1.41	.87	8.00	.92	4.96	.25
November	88	64	24	1.27	.79	7.15	1.11	5.79	.30
December	70	47	23	1.93	1.09	5.15	1.35	4.96	.25
January	72	47	25	2.58	.98	6.86	1.57	6.61	.25
February	74	48	26	1.79	.64	7.29	1.61	6.94	.15
Ave.	73.83	50.16	23.67	1.77	.91	5.84	1.18	5.34	.19
1909-10	52.91	30.25	22.66	2.11	.71	4.61	1.72	3.41	.53
1910-11	65.66	41.25	24.33	2.17	1.32	5.49	2.80	6.61	.21
1911-12	68.33	45.08	23.25	1.89	.96	6.37	2.56	8.44	.17
1912-13	62.50	42.33	20.17	1.77	1.07	5.45	2.65	9.26	.16
1913-14	62.60	40.00	22.60	1.59	1.20	5.83	2.41	6.50	.13
1914-15	63.91	40.16	23.75	1.67	.87	5.93	1.75	5.87	.14
1915-16	69.16	46.50	22.66	1.90	.82	6.09	1.79	5.69	.13
1916-17	73.83	50.16	23.67	1.77	.91	5.84	1.18	5.34	.19

During the past six years the B. Coli-communis content of the unfiltered water has remained about constant in proportion.

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. Samples, Unfiltered Water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909-10.....	1042	644	61.9%
1910-11.....	1041	795	76.4%
1911-12.....	1045	921	88.1%
1912-13.....	1002	862	86.0%
1913-14.....	1056	921	87.2%
1914-15.....	1062	930	87.5%
1915-16.....	1062	905	85.2%
1916-17.....	1056	900	85.2%
Avg. 8 yrs.....	1046	860	82.2%

During the past two years the percentage of samples of the unfiltered water containing B. Coli-communis was exactly the same.

A mineral analysis of the unfiltered water is made every month, the average results are very constant.

A complete sanitary examination of the unfiltered water is made every week, the results, averaged by months, will be found in the following table.

During the year there was a slight increase in the total solids and required oxygen.

The unfiltered water is pumped to the coagulation basin which has two compartments with a combined capacity of 1,500,000 gallons.

Before the water enters the basins, the coagulant, sulphate of alumina and lime are added. Owing to the low alkalinity of the unfiltered water it is necessary to add lime water.

When calcium hypo-chlorite is used, it is applied to the water before it enters the coagulation basin.

The sulphate of alumina is purchased under specifications, the requirements follow:

Alumina (Al_2O_3) not less than.....	17.50%
Acid (SO_3) not more than.....	37.50%
Iron (Fe_2O_3) not more than.....	.40%
Water (H_2O) not more than.....	47.00%
Insoluble, not more than.....	.25%

It must be understood that if the Alumina (Al_2O_3) is over 17.5% the Acid (SO_3) may be increased in the proper proportion.

If the results of the analyses show the Alumina to be below 17.5% and above 17% a deduction of eight cents per hundred pounds is made. If the Alumina is below 17% and above 16.5% a deduction of fifteen cents per hundred pounds shall be made.

For each .25% or fraction thereof of Iron (Fe_2O_3) above .40% a reduction of five cents per hundred pounds shall be made.

The sulphate of alumina shall not contain any free acid.

Table Showing the Average Composition of the Sulphate of Alumina Used, Bangor, Me.

Year	Alumina	Iron	Acid	Water	Insoluble
1909-10.....	16.96%	1.98%	39.50%	41.13%	.10%
1910-11.....	18.18%	.82%	39.30%	41.06%	.09%
1911-12.....	17.75%	.32%	40.19%	41.36%	.16%
1912-13.....	18.49%	.37%	40.83%	40.97%	.10%
1913-14.....	17.82%	.37%	40.40%	41.32%	.09%
1914-15.....	17.80%	.34%	40.03%	41.74%	.08%
1915-16.....	17.58%	.27%	39.63%	42.42%	.09%
1916-17.....	17.58%	.30%	39.91%	42.08%	.12%
Avg. 8 yrs.....	17.77%	.60%	39.97%	41.51%	.10%

Commencing in 1910 the sulphate of alumina has been furnished by the Pennsylvania Salt Mfg. Co., Philadelphia, Penn.

Since the sulphate of alumina has been purchased by specifications the composition has been more uniform and the salt has contained a high amount of alumina and a small amount of iron.

Table Showing Average Amount of Sulphate of Alumina, Lime, Calcium Hypo-chlorite and Liquid Chlorine Used, in grains per gallon, Bangor, Me.

Year	Alumina	Lime	Hypo- Chlorine	
1909-10.....	1.57	.31		
1910-11.....	1.43	.23	.14	
1911-12.....	2.03	.17		
1912-13.....	2.05	.14		
1913-14.....	1.95	.18	.10	
1914-15.....	1.92	.18	.09	
1915-16.....	1.92	.15	.11	
1916-17.....	1.91	.19	.09	.02
Avg.....	1.87	.19	.11	.02

The sterilizing reagents are only used a portion of the time each year.

The average amount of sulphate of alumina and lime used was about the same as during the previous year.

The coagulation basins remove a large number of the bacteria and are of great value to this plant.

Table Showing Bacteria Removed by Coagulation Basins, Bangor, Me.

Year	Removed
1909-10.....	66.21%
1910-11.....	79.04%
1911-12.....	82.66%
1912-13.....	88.64%
1913-14.....	88.14%
1914-15.....	87.81%
1915-16.....	89.33%
1916-17.....	85.85%
Avg. 8 yrs.....	<hr/> 85.14%

In 1911 mixing baffles were installed in the coagulation basins after which the efficiency was greatly improved.

Table Showing BACTERIA, per c. c. in Water After Passing the Coagulation Basins, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	5,700	4	583
1910-11.....	3,100	75	515
1911-12.....	5,000	185	570
1912-13.....	1,300	100	365
1913-14.....	1,400	100	362
1914-15.....	820	110	362
1915-16.....	1,030	50	294
1916-17.....	1,240	80	415
Avg. 8 yrs.....	2,449	88	433

The average number of bacteria per c. c. passing the basins was 41.1% higher than during the previous year.

Table Showing Range of BACTERIA, per c. c. Coagulated Water, Bangor, Me.

Bacteria per c. c.	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0- 100	25	0	9	1	3
101-250	88	77	145	55	92
251- 500	148	229	190	224	214
501-1000	76	57	21	80	53
Over 1000	25	0	1	5	2

The water passing the basins contained less than 501 bacteria per c. c. on 280 days or 76.7% of the time.

During a part of three months of the past year, calcium hypochlorite was added to the water before it entered the basins, the average amount applied being .09 grains per gallon.

The new filter plant still continues to produce satisfactory water and has given no trouble in its operation.

A mineral analyses of the filtered water is made every month, the results will be found in the following table.

These results show the iron in the filtered water to be .14 parts per million, which is 75% higher than during the previous year. Filtration reduced the iron 26.4%.

The iron content of the unfiltered water was 26.6% higher than during the previous year.

The amount of iron in the filtered water is sufficient to support a growth of crenothrix in the mains, this growth is causing considerable trouble. The free carbonic acid is also high which is favorable for such growths. When the free carbonic acid is reduced by the addition of lime water, the color of the filtered water increases.

As the unfiltered water contains a large amount of organic matter, it is hard to get a high iron removal.

A sanitary examination of the filtered water is made every week, the average monthly results will be found in the following table.

A study of the results, in detail, will show the great improvement in the quality of the filtered water since the new filters were placed in operation.

Table Showing ALKALINITY, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	7.0	1.0	3.1
1910-11.....	12.0	3.0	4.6
1911-12.....	9.0	3.0	4.1
1912-13.....	5.0	3.0	3.5
1913-14.....	5.0	3.0	3.7
1914-15.....	6.0	3.0	4.5
1915-16.....	7.0	3.0	4.8
1916-17.....	7.0	3.0	4.8
Avg.....	7.2	2.7	4.1

The average alkalinity was the same as during the previous year and it has been the desire to maintain the alkalinity of the filtered water above 4 parts per million at all times.

It was necessary to add lime to the water during the entire year in order to maintain any alkalinity in the filtered water.

In the application of lime it is necessary to use great care as a very small amount will "set" the color.

Table Showing Range in ALKALINITY, in parts per million, Filtered Water, Bangor, Me.

Alkalinity parts per million	Avg. 1909-14 5 yrs.	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0-5	342	359	331	304	331
6-10	21	6	35	61	34
Over 10	1	0	0	0	0

The alkalinity of the filtered water was below 6 parts per million on 304 days or 83.0% of the time. The alkalinity of the filtered water is never allowed to fall below 3 parts per million.

Table Showing TURBIDITY, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	6.0	0.0	1.01
1910-11.....	1.0	0.0	.29
1911-12.....	1.0	0.0	.03
1912-13.....	0.0	0.0	.00
1913-14.....	0.0	0.0	.00
1914-15.....	0.0	0.0	.00
1915-16.....	0.0	0.0	.00
1916-17.....	0.0	0.0	.00
Avg. 8 yrs.....	1.0	0.0	.17

The turbidity in the filtered water was due to aluminum hydrate passing through the coarse sand in the old filters.

Several times during the past five years, there has been a slight trace of aluminum hydrate in the filtered water, due to operating the filters too long between washings or to "air binding."

Table Showing Range in TURBIDITY, in parts per million, Filtered Water, Bangor, Me.

Turbidity parts per million	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0-0	301	365	366	365	365
1-5	63	0	0	0	0
Over 5	1	0	0	0	0

During the past five years the filtered water has never contained more than the slightest trace of turbidity.

Mineral Analysis of Filtered Water

Date	Total Solids	Loss on Ignition	Mineral Residue	Silicon	Aluminum	Calcium	Magnesium	Sulphates	Iron
1916									
March	71	39	32	1.37	.97	7.58	.81	24.05	.05
April	55	25	30	1.93	.97	6.15	.50	17.39	.05
May	57	27	30	1.13	.81	5.79	.59	18.46	.05
June	79	46	33	1.23	.80	6.65	1.07	19.69	.15
July	57	27	30	1.23	.99	5.58	.81	18.95	.10
August	70	37	33	1.37	1.11	7.21	1.99	21.01	.15
September	74	43	31	.94	.84	7.43	.85	20.11	.15
October	87	51	36	1.04	1.07	8.43	.77	20.35	.20
November	84	51	33	1.18	.98	7.58	.98	23.56	.25
December	70	37	33	1.37	1.34	5.72	1.11	20.85	.20
January	69	34	35	1.93	.76	8.29	1.53	20.68	.20
February	75	39	36	1.56	.72	8.14	1.33	20.93	.10
Avg.	70.66	38.00	32.66	1.35	.94	7.04	1.03	20.50	.14
1909-10	57.91	24.66	32.83	1.82	2.66	6.21	1.98	18.93	.25
1910-11	69.25	40.83	28.41	1.82	2.27	6.15	2.27	19.46	.16
1911-12	69.16	35.83	33.33	1.69	.96	7.64	3.50	26.93	.10
1912-13	63.25	31.25	32.00	1.38	1.30	6.48	2.40	25.97	.10
1913-14	61.50	29.20	32.30	1.25	1.27	7.75	2.05	22.93	.08
1914-15	65.66	32.41	33.25	1.24	.84	7.10	1.44	21.81	.09
1915-16	62.91	32.50	30.41	1.40	.87	7.09	1.47	21.66	.08
1916-17	70.66	38.00	32.66	1.35	.94	7.04	1.03	20.50	.14

Table Showing COLOR, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	70.0	4.0	32.0
1910-11.....	53.0	5.0	20.0
1911-12.....	31.0	1.0	7.3
1912-13.....	15.0	4.0	7.2
1913-14.....	17.0	4.0	6.4
1914-15.....	12.0	3.0	7.4
1915-16.....	12.0	2.0	5.1
1916-17.....	29.0	2.0	11.0
Avg. 8 yrs.....	29.9	3.1	12.1

The effect of increasing the alkalinity of the filtered water is shown upon the color, during the past year the average color was 115% higher than during the previous year while the average alkalinity of the filtered water was not increased 1 part per million.

Table Showing Range in COLOR, in parts per million, Filtered Water, Bangor, Me.

Color in parts per million	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0-20	280	365	365	345	358
21-30	42	0	0	20	7
31-40	22	0	0	0	0
Over 40	20	0	0	0	0

During the past year the color of the filtered water was below 21 parts per million on 345 days or 94.5% of the time.

Table Showing BACTERIA, per c. c. Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	3,600	2	248
1910-11.....	1,500	10	240
1911-12.....	390	18	67
1912-13.....	120	10	32
1913-14.....	125	5	40
1914-15.....	101	7	41
1915-16.....	112	3	33
1916-17.....	96	5	42
Avg. 8 yrs.....	756	8	93

During the past year the maximum number of bacteria in the filtered water was 96 per c. c. while the average was 42 per c. c.

The average number of bacteria per c. c. in the filtered water during the past eight years is 93, while the average since the new filters were placed in operation is 43 per c. c.

Table Showing Range in BACTERIA, per c. c., Filtered Water, Bangor, Me.

Bacteria per c. c.	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0- 25	87	75	143	61	93
26- 50	110	197	173	208	193
51- 75	44	64	39	79	61
76-100	18	27	9	17	18
101-250	52	1	2	0	1
Over 250	50	0	0	0	0

The bacteria in the filtered water were below 51 per c. c. on 269 days or 73.6% of the time and below 26 per c. c. on 61 days or 16.7% of the time.

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. Samples Filtered Water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909-10.....	1042	76	7.29%
1910-11.....	1050	85	8.09%
1911-12.....	1051	22	2.09%
1912-13.....	1005	9	.89%
1913-14.....	1056	12	1.13%
1914-15.....	1062	20	1.88%
1915-16.....	1062	6	.56%
1916-17.....	1056	15	1.42%
Avg. 8 yrs.....	1048	31	2.92%

During the past year B. Coli-communis was present in 15 of the 1056 samples of 1 c. c. each examined.

The basins and filters removed 98.34% of the B. Coli-communis while the general bacterial removal was 98.57%.

A sample of water obtained from a city tap $1\frac{1}{2}$ miles from the filter plant is examined every day.

Once each week a complete sanitary examination is made of the tap water and a mineral analyses is made once each month.

The results of the mineral analyses and the monthly average of the sanitary examinations will be found in the following tables.

Table Showing TURBIDITY, in parts per million, Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	5.0	0.0	0.15
1910-11.....	1.0	0.0	0.00
1911-12.....	0.0	0.0	0.00
1912-13.....	0.0	0.0	0.00
1913-14.....	0.0	0.0	0.00
1914-15.....	0.0	0.0	0.00
1915-16.....	0.0	0.0	0.00
1916-17.....	0.0	0.0	0.00
Avg. 8 yrs.....	0.9	0.0	0.02

During the past six years there has been no turbidity in the city tap water.

Table Showing Range in TURBIDITY, in parts per million, Tap Water, Bangor, Me.

Turbidity parts per million	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0-0	341	365	366	365	365
1-5	23	0	0	0	0
Over 5	0	0	0	0	0

Since the new filters have been in operation the tap water has been free from turbidity.

Table Showing COLOR, in parts per million, Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	100.0*	4	35.0
1910-11.....	50.0	9	21.0
1911-12.....	22.0	3	7.3
1912-13.....	22.0	4	7.5
1913-14.....	15.0	4	6.6
1914-15.....	14.0	3	7.5
1915-16.....	14.0	2	5.4
1916-17.....	30.0	2	11.1
Avg. 8 yrs.....	33.4	3.9	12.6

*High color due to flushing mains.

Table Showing Range in COLOR, in parts per million, Tap Water, Bangor, Me.

Color in parts per million	Avg. 5 yrs 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0-20	275	365	366	343	358
21-30	40	0	0	22	7
31-40	27	0	0	0	0
Over 40	23	0	0	0	0

During the past year the color of the tap water was below 20 parts per million on 343 days or 93.8% of the time.

The color of the tap water was not above 30 parts per million during the year.

Table Showing BACTERIA, per c. c., Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	1,970	1	175
1910-11.....	1,400	10	238
1911-12.....	500	10	54
1912-13.....	100	6	26
1913-14.....	110	4	35
1914-15.....	90	4	36
1915-16.....	106	2	29
1916-17.....	90	4	36
Avg. 8 yrs:.....	546	5	79

The average number of bacteria per c. c. in the tap water was 24.1% higher than during the previous year.

The average number of bacteria per c. c. in the tap water during the past eight years was 79.

During the past six years, since the new filters were placed in operation the average number of bacteria in the tap water was 36 per c. c.

Table Showing Range in BACTERIA, per c. c., Tap Water, Bangor, Me.

Bacteria per c. c.	Avg. 5 yrs. 1909-14	Year 1914-15 Days	Year 1915-16 Days	Year 1916-17 Days	Avg. 3 yrs. 1914-17
0- 25	136	94	174	91	120
26- 50	108	209	155	213	192
51- 75	31	54	33	45	44
76-100	22	16	4	16	9
101-250	98	0	1	0	0

During the past year the bacteria in the tap water were below 51 per c. c. on 304 days or 83.3% of the time..

Table Showing Decrease in BACTERIA, in passing Mains, Bangor, Me.

Year	Decrease
1909-10.....	29.50%
1910-11.....	00.84%
1911-12.....	19.41%
1912-13.....	18.75%
1913-14.....	12.50%
1914-15.....	12.20%
1915-16.....	12.23%
1916-17.....	11.91%
Avg. 8 yrs.....	14.67%

From the above it is seen that a considerable number of the bacteria die in passing through the $1\frac{1}{2}$ miles of mains.

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. Samples, Tap Water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909-10.....	1040	16	1.53%
1910-11.....	1047	37	3.53%
1911-12.....	1048	5	.47%
1912-13.....	1005	1	.09%
1913-14.....	1066	3	.28%
1914-15.....	1062	3	.28%
1915-16.....	1062	0	.00%
1916-17.....	1053	1	.09%
Avg. 8 yrs.....	1048	8	.78%

It is to be noted that during the year 1053 samples of 1 c. c. each of the tap water were examined for B. Coli-communis, only one gave positive results.

The B. Coli-communis also decrease in passing from the filtered water well to the city tap, through the mains.

Table Showing Decrease in B. COLI-COMMUNIS, in passing Through Mains, Bangor, Me.

Year	Reduction
1909-10.....	78.7%
1910-11.....	56.3%
1911-12.....	77.5%
1912-13.....	89.9%
1913-14.....	75.2%
1914-15.....	85.3%
1915-16.....	100.0%
1916-17.....	93.6%
Avg. 8 yrs.....	83.6%

The general bacteria decrease about 15% in passing through the mains while the B. Coli-communis decrease about 80%.

The results, in detail, of the weekly sanitary examinations of the unfiltered, filtered and city tap waters will be found on the annexed sheets.

During the past year a liquid chlorine apparatus was installed in the filter plant to sterilize the water, this machine is doing good work.

The water which is delivered to the coagulation basin passes through a meter and meters should be placed upon the discharge mains leaving the pump station. With meters at these loca-

Mineral Analysis of Tap Water

Date	Total Solids	Loss on Ignition	Mineral Residue	Silicon	Aluminum	Calcium	Magnesium	Sulphates	Iron
1916									
March	69	36	33	1.60	.97	7.22	.74	22.16	.05
April	55	25	30	1.88	1.02	5.29	.63	19.61	.05
May	55	25	30	.90	.71	5.58	.77	18.38	.05
June	73	39	34	.90	.74	6.29	1.00	19.04	.15
July	57	28	29	1.18	.89	5.58	.92	18.05	.10
August	70	38	32	1.46	1.06	7.21	1.86	20.52	.15
September	75	44	31	.94	.90	7.93	.94	19.94	.15
October	88	53	35	1.32	1.02	8.15	.85	20.52	.20
November	83	51	32	.90	.93	7.86	.85	23.33	.25
December	75	42	33	1.23	1.29	5.43	1.20	21.99	.20
January	70	33	37	1.79	.76	7.93	1.44	20.68	.20
February	74	39	35	1.70	.77	9.00	1.42	20.93	.10
Avg.	70.33	37.75	32.58	1.31	.92	6.95	1.05	20.43	.14
1909-10	57.91	24.66	32.83	1.82	2.66	6.21	1.98	18.93	.25
1910-11	69.25	40.83	28.41	1.82	2.27	6.15	2.27	19.46	.16
1911-12	69.16	35.83	33.33	1.69	.96	7.64	3.50	26.93	.10
1912-13	63.25	31.25	32.00	1.38	1.30	6.48	2.40	25.97	.10
1913-14	61.50	29.20	32.30	1.25	1.27	7.75	2.05	22.93	.08
1914-15	65.66	32.41	33.25	1.24	.84	7.10	1.44	21.81	.09
1915-16	62.91	32.50	30.41	1.40	.87	7.09	1.47	21.66	.08
1916-17	70.33	37.75	32.58	1.31	.92	6.95	1.05	20.43	.14

tions it would be possible to learn the exact consumption and in this way detect any defect in the pump displacements. Such meters would cost about \$600.00 each.

With the present very high prices for materials it is not advisable to do any more construction work than is absolutely necessary.

During the year it might be well to consider the future construction of a stand-pipe or storage reservoir.

It is quite likely that it will be necessary to make some renewals at the flume and the water power portion of the plant.

The general condition of the entire works is very satisfactory.

Permit me to express my appreciation of the interest taken by the members of the Board in the various matters considered during the past year.

The courtesies extended by all of the employees of the Water Department have also been greatly appreciated.

Respectfully submitted,

JAMES M. CAIRD

Location of Fire Hydrants and Nominal Pressure

("M" Matthews, made by R. D. Wood & Co.)

("H" Holly, made by Holly Mfg. Company)

	Pressure in pounds	Make
Adams, corner York Street	80	H
Allen Street, 600 ft. north of Hammond.....	48	H
Allen and Fourteenth Streets.....	50	M
At the Works, State Street.....	120	H
Barker Street, corner First Street.....	80	M
Bellevue Avenue and Garland Street.....	75	M
Birch, corner State Street.....	80	H
Birch, between State and Garland Streets.....	75	H
Birch, between Garland and Mt. Hope Avenue.....	73	H
Birch, corner Mt. Hope Avenue.....	60	H
Blackstone, corner Fountain Street.....	68	M
Blackstone Street, 200 ft. west of Center Street.....	65	M
Boutelle Road.....	65	M
Boyd, corner York Street.....	83	H
Broadway, corner French Street.....	55	M
Broadway, corner State Street.....	80	H
Broadway, corner Penobscot Street.....	78	H
Broadway and Somerset Street.....	70	H
Broadway, corner Cumberland Street.....	68	H
Broadway, corner Garland Street.....	70	H
Broadway, opposite Congress Street.....	75	H
Broadway, near 370 Broadway.....	60	H
Broadway and Alden Streets.....	65	M

	Pressure in pounds	Make
Broadway and Arctic Streets.....	68	M
Broad, corner Union Street.....	110	H
Buck and Main.....	90	M
Buck Street, near M. C. R. R. tracks.....	90	H
Catell and Hubbard Streets.....	88	M
Cedar, corner First Street.....	88	H
Cedar, corner Second Street.....	78	H
Cedar, corner Third Street.....	73	H
Cedar, corner Fourth Street.....	65	H
Cedar, corner West Broadway.....	40	H
Center, corner Somerset Street.....	80	H
Center, corner Cumberland Street.....	80	H
Center, corner Garland Street.....	80	H
Center, opposite Jefferson Street.....	78	H
Center, opposite Madison.....	70	H
Center, opposite Congress Street.....	65	H
Center, opposite Congress Street.....	65	H
Center, opposite Montgomery Street.....	55	H
Center, 600 ft. north of Montgomery.....	50	M
Center, corner Linden Street.....	50	M
Center, corner Poplar Street.....	50	M
Central Street, west of bridge.....	110	H
Central Street, east of bridge.....	110	H
Central and Harlow Street.....	108	M
City Stables and County Buildings.....	105	M
City Almshouse, Main Street, (in the yard).....	90	H
Columbia, opposite Cross Street.....	100	H
Cottage, corner Union Street.....	45	H
Cottage, between Ohio and Union Streets.....	38	H
Court, corner Hammond Street.....	90	H
Court, near Clark Street.....	88	H
Court, corner Boynton Street.....	78	H
Court, near T. U. Coe's residence.....	75	H
Dean, corner Fourteenth Street.....	43	M

	Pressure in pounds	Make
Dillingham Street, 600 ft. north of Main Street.....	70	H
Dutton Street, opposite Noyes & Nutter's foundry	90	H
Dutton Street, near M. C. R. R. tracks.....	93	M
East Market Square, corner State Street.....	105	H
East Summer, corner Hancock Street.....	93	H
East Market Square.....	108	H
East Street, corner Webster Avenue.....	53	M
E. M. General Hospital (in yard).....	95	M
Eastern Maine Insane Hospital.....	73	M
Elm Street, north of Mt. Hope Avenue.....	70	M
Elm Street, (east side) between Somerset and Gar- land.....	65	M
Elm, corner Garland Street.....	68	H
Elm Street, corner Stillwater Avenue.....	70	M
Elm Street, near Mt. Hope Avenue.....	68	H
Elm, corner Milford Street.....	68	H
Emerson, 475 ft. from Main Street.....	95	M
Essex, opposite Penobscot Street.....	65	H
Essex, corner Somerset Street.....	60	H
Essex, corner Cumberland Street.....	63	H
Essex, corner Garland Street.....	63	H
Essex Street, 400 ft. north of Garland Street.....	70	H
Essex Street, 800 ft. north of Garland Street.....	75	H
Essex Street, corner Stillwater Avenue.....	75	H
Essex Street, opposite Milford Street.....	68	H
Essex Street extension.....	63	M
Everett, corner Bower Street.....	70	H
Exchange, between Hancock and Washington Streets.....	115	H
Essex, corner York Street.....	85	H
Fern Street, between State and Garland Streets...	75	H
Fern Street, corner Garland Street.....	72	H
Fern Street, between Garland and Mt. Hope Avenue	80	M
Fifteenth Street, 500 ft. west of Ohio Street.....	58	H
Fifth Street, between Cedar and Warren Streets...	60	H
Fifth Street, corner Warren Street.....	70	H

	Pressure in pounds	Make
First, corner Davis Street.....	85	H
Forest Avenue, corner State Street.....	70	H
Forest Avenue, corner Somerset Street.....	65	H
Forest Avenue, corner Coombs Street.....	63	H
Forest Avenue, north of Garland Street.....	60	H
Forest Avenue, corner Mt. Hope Avenue.....	63	H
Forest Avenue, corner of Stillwater Avenue.....	60	H
Fourth, between Cedar and Warren Streets.....	70	H
Franklin, corner Hammond Street.....	108	H
Franklin Street, East Side.....	110	H
Fremont Street, near house No. 44 (north side).....	70	M
French and Congress Streets.....	65	M
French, 500 ft. north of Congress Street.....	60	M
French Street, corner West Park Street.....	75	M
French, corner State Street.....	90	H
French, corner Penobscot Street.....	73	H
French, corner Somerset Street.....	70	H
French, corner Cumberland Street.....	73	H.
French, corner Garland Street.....	70	H
French and Washington Street.....	110	M
Front, opposite May Street.....	110	H
Fruit, between State and Garland Streets.....	85	H
Fruit Street, 500 ft. north of Garland Street.....	75	H
Fourteenth, corner Hammond Street.....	43	M
Fifth, corner Cedar Street.....	55	M
Front Street, at Eastern S. S. Co's wharf.....	110	M
French, corner South Park Street.....	80	M
Garland and Howard Streets.....	75	M
Garland Street, opposite Maple Street.....	70	H
Grant Street, (east side).....	50	M
Grant Street, corner Montgomery Street.....	50	M
Grove Street, corner Garland Street.....	60	M
Gridley Street, off Newbury Street.....	80	H
Grove Street, between State and Somerset Streets	55	H

	Pressure in pounds	Make
Grove Street, between State and Garland Streets	65	H
Grove Street, between Garland and Stillwater Avenue	70	H
Grove Street, corner Stillwater Avenue.....	73	M
Hammond, opposite Fifth Street.....	55	M
Hammond, corner Cedar Street.....	50	H
Hammond, opposite Seventh Street.....	50	M
Hammond, corner Webster Avenue.....	45	H
Hammond, opposite Thirteenth Street.....	48	M
Hammond, near West Street.....	48	M
Hammond, near Kimball residence.....	40	M
Hancock, corner Newbury Street.....	105	H
Hancock, corner Boyd Street.....	110	H
Hancock, corner Carr Street.....	105	H
Hancock, corner Essex Street.....	100	H
Hancock, corner Oak Street.....	98	H
Hancock, corner Exchange Street.....	115	H
Hancock and Birch Streets.....	90	M
Harlow, near Haynes Court.....	100	M
Harlow, corner Kenduskeag Avenue.....	105	H
Harlow, corner Cumberland Street.....	105	H
Harvard and Bates Street.....	64	M
Harvard and Mt. Hope Avenue.....	65	M
Harvard and Colby Streets.....	66	M
Haymarket Square.....	105	H
Haynes Court.....	110	H
Hellier, corner Parker Street.....	95	H
Highland Avenue, opposite Charles Street.....	43	H
Highland Lane.....	45	M
High Street, near Burpee residence.....	78	H
Highland Street, near Stand-pipe.....	20	H
Highland Street and Highland Avenue.....	23	M
Hogan Road and E. M. I. Hospital Road.....	75	M
Hogan Road, 800 ft. from State.....	85	M
Holland Street, 500 feet west of Valley Avenue.....	75	H
Holland Street, corner Valley Avenue.....	100	H

	Pressure in pounds	Make
Howard, corner State Street.....	85	H
Harlow, corner Center Street.....	108	H
James Street, corner Highland Avenue.....	30	H
Jefferson, corner Norfolk Street.....	73	H
Jordan Road and Tyler Avenue.....	74	M
Kenduskeag Avenue, opposite Division Street.....	83	H
Kenduskeag Avenue, opposite Jefferson Street.....	78	H
Kenduskeag Avenue, corner Madison Street.....	74	H
Kenduskeag Avenue, corner Congress Street.....	63	H
Kenduskeag Avenue, corner Montgomery Street.....	55	H
Kenduskeag Avenue, near John Scott's residence..	50	M
Kenduskeag bridge, State Street.....	110	H
Kenduskeag bridge, Hammond Street.....	115	H
Larkin and Third.....	70	M
Larkin Street, near Rio Street.....	75	H
Leighton, corner Montgomery Street.....	45	H
Leighton, near Otto Nelson's residence.....	45	H
Leighton, corner Poplar Street.....	48	M
Lincoln Street, 500 ft. from Main Street.....	78	H
Lincoln Street, corner Third Street.....	73	H
Linden, corner Leighton Street.....	45	M
Madison, corner Norfolk Street.....	63	H
Main Street, at B. R. & E. Co's car barn.....	95	M
Main Street, near Gas House.....	100	M
Main Street, Gas House yard.....	100	M
Main Street, near B. R. & E. Waiting Room.....	110	H
Main Street, opposite Cross Street.....	105	H
Main Street, corner Middle Street.....	104	H
Main Street, corner Union Street.....	97	H
Main Street, near Davenport park.....	100	H
Main Street, near Parkhurst's trunk factory.....	103	H
Main Street, near Railroad Street.....	103	H
Main Street, corner Patten Street.....	98	H
Main Street, corner Sidney Street.....	94	H
Main Street, corner Lincoln Street.....	93	H
Main Street, corner Dutton Street.....	95	H

	Pressure in pounds	Make
Main Street, near City Almshouse.....	93	H
Main Street, corner Dillingham Street.....	86	M
Main Street, corner Thatcher Street.....	90	M
Main Street, near Railroad bridge.....	90	M
Main Street, at Hampden line.....	100	M
Manners Avenue, corner Union Street.....	53	M
Maple, corner State Street.....	80	H
Maplewood Park, Dutton Street entrance.....	75	M
Maple Street, 500 ft. north of Garland.....	68	M
Maple Street, corner Mt. Hope Avenue.....	65	M
Maple Street, between State and Garland Streets	75	H
March, corner Main Street.....	90	M
Market, corner Cumberland Street.....	85	H
Market and Curve Streets.....	85	M
Market, corner Division Street.....	83	M
Market Street, 100 ft. north of Willow Street.....	85	H
May and South Streets.....	103	M
Merrimac Street, 200 ft. from Hancock Street.....	95	H
Montgomery, opposite Fountain.....	45	M
Morse & Co's Planing mill.....	110	H
Mt. Hope Avenue, north of Fruit Street.....	65	M
Nelson, corner Drummond Street.....	80	M
Newbury, corner York Street.....	73	H
Norfolk, corner Congress Street.....	60	M
Norway Road and Fairmount Park, West.....	45	M
Norway Road and Fairmount Park, East.....	40	M
Norway Road and Webster Avenue.....	40	M
North, corner West Street.....	45	M
Ohio and Autumn Streets.....	45	M
Oak, near Washington Street.....	105	H
Ohio, corner Hammond Street.....	75	H
Ohio, between Hammond and Hudson Streets.....	68	H
Ohio, corner Hudson Street.....	68	H
Ohio, opposite Everett Street.....	58	H
Ohio, corner Bower Street.....	63	H
Ohio, opposite Highland Street.....	53	H

	Pressure in pounds	Make
Ohio, corner Fremont Street.....	48	H
Ohio, corner Holland Street.....	50	H
Ohio, opposite Fourteenth Street.....	58	H
Ohio, opposite Sixteenth Street.....	65	H
Olive Court and Olive Street.....	85	M
Otis and Garland Streets.....	80	M
Otis, corner State Street.....	105	H
Palm and State.....	78	M
Palm, corner Garland Street.....	68	M
Palm Street, 600 ft. north of Garland.....	62	M
Park Street, 150 ft. from State.....	105	M
Parker, corner Fourth Street.....	83	H
Parker Street, 500 ft. from Third Street.....	75	H
Parkview Avenue, 500 ft. north of Garland Street..	68	H
Parkview Avenue, corner Mt. Hope Avenue.....	68	M
Parkview Avenue, north of Mt. Hope Avenue.....	60	M
Park Street, near Tarrantine Club building.....	95	H
Patten Street, near No. 79.....	80	H
Pearl Street, south of State Street.....	85	H
Pearl Street, between State and Garland Streets...	80	H
Pearl Street, corner Mt. Hope Avenue.....	63	H
Pearl Street, corner State Street.....	80	H
Pickering Sq. and Water Street (west side).....	110	M
Pier, corner Seventh Street.....	58	H
Pine, opposite South Park Street.....	73	H
Pond, corner Hayward Street.....	48	H
Prospect Street, between Center and Harlow Streets	95	H
Parkview Avenue, 600 ft. south of Garland Street..	75	H
Pearl Street, 600 ft. north of Garland Street.....	75	H
Pumping Station Headhouse.....	120	H
Railroad, corner Front Street.....	108	H
Railroad, corner Pleasant Street.....	108	H
Railroad, corner Summer Street.....	105	H
Royal Road and Graham Avenue.....	43	M
Royal Road and Webster Avenue.....	63	M
Sanford, corner Cedar Street.....	85	M

	Pressure in pounds	Make
Sanford, between Cedar and Warren Streets.....	85	M
Sanford and Warren Streets.....	80	M
Salem Court.....	80	M
Second, 300 ft. from Union.....	80	M
Second Street, 300 ft. north of Warren Street.....	95	H
Seventh and Lincoln Streets.....	65	M
Seventh, between Savage and Larkin.....	60	M
Sidney Street, (east side).....	83	M
Sixteenth, corner Union Street.....	55	H
Sixteenth, between Ohio and Union.....	60	M
Sixth Street, between Hammond and Pier Streets..	58	H
Somerset, between Grove and Elm Streets.....	65	H
South, corner Pleasant Street.....	95	H
Spring Street, between Harlow and Center Streets	95	H
State Street and Hogan Road.....	112	M
State Street, at Eastern Maine General Hospital...	95	H
State Street, Dr. Peters' residence.....	110	M
State Street, J. Frank Green's Ice Houses.....	112	M
State Street, between Forest Avenue and Grove....	70	H
State Street, between Essex and Pine Streets.....	70	H
Summer, corner Cedar Street.....	95	H
Summer, corner Union Street.....	100	H
Summer, opposite South.....	95	M
Thatcher, 175 ft. west of Olive.....	90	M
Thatcher, 923 ft. from Main.....	80	M
Third, corner Walter Street.....	70	H
Union and Short.....	100	M
Union, corner High Street.....	78	H
Union, corner Clinton Street.....	80	H
Union, corner Hammond Street.....	70	H
Union, corner Hudson Street.....	60	H
Union, corner George Street.....	45	H
Union, corner Highland Street.....	28	M
Union Street, 500 ft. north of Sixteenth Street.....	53	M
Union Street, near C. H. Phillips' residence.....	45	M
Valley Avenue, at Morse & Co's hardware store.....	110	M

	Pressure in pounds	Make
Valley Avenue, at Morse & Co's mill.....	118	H
Valley Avenue, at S. A. Maxfield Co's plant.....	105	M
Vine, 400 ft. west of Third.....	65	M
Walter Street, 500 ft. from Main Street.....	90	H
Walter Street, (north side).....	95	M
Warren, corner Third Street.....	73	H
Washington, corner Exchange.....	112	H
Washington Street, east of Pine Street.....	110	H
Washington Street, at Railroad bridge.....	105	H
Water Street, corner Pickering Square.....	108	H
Webster Avenue, opposite Lincoln Street.....	50	H
Webster Avenue, north, 554 ft. from Hammond.....	45	M
West Market Square, at Circular block.....	112	H
West Market Square, at Mercantile block.....	112	H
West Broadway, corner Union Street.....	30	H
West Broadway, corner Bowdoin Street.....	50	M
West Broadway, corner Lincoln Street.....	50	H
Wing, corner Seventh Street.....	60	H
Wing, corner Vernon Street.....	50	M
Wiley Street, (north side).....	45	M
York, corner Broadway.....	90	H
York, corner French Street.....	110	H
York, corner Exchange Street.....	100	H

Total number connected with system, 322

WATER RATES

DWELLING HOUSES

- For faucet to be used by a single family, \$5.00.
- For each additional faucet to be used by the same family, \$2.00.
- Where a house is occupied by more than one family, and one faucet being used by all; for each family \$5.00.
- For first water closet, \$3.00.
- For each additional water closet, \$1.00.
- Where one water closet is used by two or more families in one house, each family, \$3.00.
- For first bath tub, \$3.00.
- For each additional bath tub, \$1.00.
- Where one bath tub is used by two or more families in one house, each family, \$3.00.
- For the first two wash bowls, each \$1.00.
- For each additional wash bowl, 50 cents.
- For set wash tubs, each \$1.00.
- For faucet in cellar for furnace use, each \$1.00.

HOTELS AND BOARDING HOUSES

- For sink faucet, \$8.00 to \$40.00.
- For each wash bowl, \$5.00.
- For each water closet, \$5.00.
- For each urinal, \$5.00.
- For each bath tub, \$5.00.

For each wash bowl in private rooms, \$3.00.
For each water closet in private rooms, \$2.00.
For each bath tub in private rooms, \$3.00.

BUILDINGS

FOR BUILDINGS USED FOR OFFICES

For each office in which there is a faucet, \$3.00.
For each water closet in same office, \$2.00.
Where the faucet is so located as to be used by occupants of another office, an additional \$2.00.
Where the water closet is so located as to be used by occupants of another office, an additional \$2.00.

BARBER SHOPS

First chair, \$5.00.
For each additional chair, \$1.00.

PHOTOGRAPH GALLERIES

First sink faucet, \$8.00 to \$10.00.
For each additional faucet, \$2.00.
For each wash bowl, \$3.00.
For each water closet, \$2.00.

STORES

For each tenement used as store or warehouse, in which there is one faucet, \$5.00.
For each additional faucet, \$2.00.
For first water closet, \$5.00.
For each additional water closet, \$2.00.
For each urinal, \$3.00.
Soda fountain glass washer, for the season, \$5.00.

MEAT AND FISH MARKETS

For each store or stall used for vending meat or fish for first faucet, \$8.00 to \$15.00.

For each additional faucet, \$5.00.

PUBLIC HALLS, SOCIETY HALLS, BILLIARD
HALLS, ETC.

For first sink faucet, \$5.00.

For each additional sink faucet, \$2.00.

For first water closet, \$5.00.

For each additional water closet, \$2.00.

For each urinal, \$3.00.

For each wash bowl, \$3.00.

SALOONS AND EATING HOUSES

For each saloon or eating house wherein the food consumed is cooked, for first faucet, \$8.00 to \$12.00.

For each additional sink faucet, \$5.00.

For each bath faucet, \$5.00.

For each wash bowl, \$3.00.

For first water closet, \$5.00.

For each additional water closet, \$2.00.

For each urinal, \$5.00.

For each faucet for washing bottles, \$10.00.

PRIVATE STABLES

For private stables, including water for washing carriages for one horse, \$5.00.

For each additional horse, \$1.50.

For one cow, \$2.00.

For each additional cow, \$1.00.

Truckmen's stables shall be charged for one horse, \$3.00.

For each additional horse, \$1.00.

LIVERY STABLES

For livery stables, for one horse, including washing carriages, \$6.00 to \$10.00.

For each additional horse, \$1.50.

HOSE

Free for extinguishing fires.

For washing windows and sprinkling streets, \$3.00 to \$6.00.

For sprinkling lawns and gardens, \$2.00 to \$10.00.

PRINTING HOUSES

For ordinary purposes, including washing types, for each press, \$10.00 to \$25.00.

STEAM ENGINES

Stationary steam engines working not over ten hours per day, per H. P., \$4.00.

BUILDING PURPOSES

Special rate made.

METER RATES

Meter rates for water for other than domestic use are hereby established at five and one-half cents per one hundred cubic feet, but the minimum charge for water under meter rates shall not be less than as follows: For elevators and motors, \$6.00 per quarter; for all other uses, \$2.00 per quarter.

The term "domestic use" is hereby construed to include the use of water in private residences, public and private offices, stores, shops, and other business places where no water is used except for wash bowls and closets.

If a meter gets out of order and fails to register, the consumer will be charged at the average daily consumption as shown by the meter when in order.

All water that passes through a meter will be charged for, whether used or wasted.

This amendment to take effect on approval of City Council.

CITY ORDINANCE
RELATING TO
Bangor Water Works

Sec. 1. It shall be the duty of the water board of said city to cause all the hydrants connected with the water works to be examined as often as necessary to see if they are in good order, to keep them during the winter free from snow and ice, and to have them at all times in good condition for use.

Sec. 2. No person, unless authorized by said board, shall open any fire hydrant, nor remove any cap thereof, nor fasten any horse or team to or in front thereof or in any way obstruct free access to and use thereof, nor deposit any dirt or other material in any public or private shop, gate, box or stop, or in any manner commit any act tending to obstruct the use of any hydrant, gate or valve. Provided, however, in cases of fire the hydrants shall be for the time being under the entire control of the chief engineer of the fire department, who, after each fire, shall cause each hydrant used to be left in good condition for immediate use. Said engineer, may also, after having given notice to said board of his intention so to do, use said hydrants to fill the reservoirs of said city.

Sec. 3. Any person desiring a supply of water shall make application in writing to said board, stating for what use it is wanted, the location in which it is desired, and as near as may be the extent of its use.

All applications must be made by, or with the assent of the owner or agent of the premises, by whom all rates shall be paid.

Sec. 4. All pipes, valves and fixtures must be capable of sustaining a pressure of at least two hundred pounds to the square inch; and the plumbers' work must be examined and tested by the superintendent of said board before the water is finally turned on.

Sec. 5. Said board will furnish and lay a service pipe from the street main to the outer edge of the sidewalk, and furnish and place at said edge of the sidewalk a stop valve and box, and shall thereafter maintain and keep it in good order and the same shall at all times be completely subject to the control of said board. No pipe shall be connected with the city service pipe, nor shall water be turned on at any time until a permit is issued therefor. All connections with main pipes shall be made by a person appointed for that service by said board.

Sec. 6. Said board is authorized to appoint an inspector of said works and define his duties. Said inspector shall at all times, when on duty, wear in a conspicuous place on his clothing, a badge furnished by the water board. He shall at all proper and reasonable time have access to, and be permitted to inspect pipes, fixtures and apparatus supplied with water, and may control the location and use of the stop and waste-cock in the cellar of the building, or in whatever location it may be placed, as the interests of the city may require. It shall be the duty of the inspector of water, to inspect as often as possible the fixtures of all water-takers, see that they are tight and kept in good condition. He shall notify all users of water of any waste he may discover, or of faulty plumbing, if any, and the parties so notified shall at once cause the defect to be remedied. A second notice for the same cause from the inspector shall cause a fine of one dollar to be imposed upon the offender. A third offense for the

same cause shall subject the offender to a fine of five dollars, or the shutting off of the water from his or her premises, or both, as the majority of the water board present at any meeting duly called shall elect. Any refusal to pay such fine shall be sufficient cause for shutting off the water, which shall not be turned on again until such fine is paid.

It shall be the duty of the inspector to report all irregularities under these rules to the clerk of the water board, who shall make note of the same and report to the superintendent and to the water board at their next meeting.

Sec. 7. Water will in no instance be turned on until the plumbing has been examined and approved by the superintendent of said board or reported safely and well completed in all its parts to sustain a pressure of two hundred pounds to the square inch, by a plumber licensed by the board, and approved by the superintendent; and every plumber who shall set up any pipes, fixtures or apparatus for the use of water, or shall make repairs upon or additions to those already set up, shall report to said board within two days of the completion thereof the nature of the repairs or additions which have been made to the work heretofore existing.

Sec. 8. All persons supplied with water shall keep the cocks, pipes and fixtures in good repair and protected from frost. No continuous flow to guard against freezing or for other causes will be allowed, but by special permit of said board, and by paying extra rates therefor; and no leak shall be suffered to exist in any pipe, fixture or attachment.

Sec. 9. An unnecessary use or waste of water or allowing it to be used by parties, or for purposes not specified in the application, will subject the offender to an immediate stoppage of the water, and the payment of not less than double the rates for the quantities thus used, or wasted, as estimated by the

superintendent. And when water has been turned off from any premises for any reason above stated, or for any defect in the plumbing, the sum of one dollar will be charged for turning on.

Sec. 10. Said board may cause a meter to be attached to any premises where they have reason to believe that an unnecessary or fraudulent use of water is being made, and may assess rates upon such premises thereby. Meter rates for other than for domestic uses are hereby established at five and one-half cents per hundred cubic feet.

Sec. 11. Water supplies for hydraulic power or in large quantities for special use, will be subject to such restrictions as said board may impose; and no meter shall be put in use without the consent of said board.

Sec. 12. Each builder or superintendent of building using city water, shall, on the first day of each month, return to said board at their office, a full and true account of all water used by him during the month previous, and he shall at the time pay for the water so used.

Sec. 13. All the water rates, except for building purposes, meter rates, lawn and street sprinklers, shall be due and payable at the office of said board, quarterly in advance, on the first day each of January, April, July and October. Meter rates will be due and payable at the same place on the first day of the succeeding quarter, and rates for garden, lawn and street sprinklers will be due and payable in advance at said office on the first day of April and July of each year. The amount of each rate remaining unpaid twenty days after it is due, will be increased ten per cent; and one per cent per month interest on the original amount due will be charged in addition therefor, until paid, together with costs of collection.

Sec. 14. Not more than twenty-five per cent discount will be made from regular rates when supplies of water are taken by

special permit from yard fixtures, or from sources without the premises; and in no case shall such supplies be taken from fire hydrants.

Sec. 15. Said board reserves the right to shut off water for the purposes of making extensions, alterations or necessary repairs. And they will shut off water from premises when the users shall disregard the rules for its supply, neglect to pay the rates therefor promptly, or shall sell or permit any unauthorized use of water. Any person receiving water through a stop in common with another person, will be liable to have his supply shut off in consequence of the violation of the rules by the other person or party.

Sec. 16. The regular rates for fountains and jets will be based upon their use for six hours per day for one hundred days in the year, or equivalent to that time; and shall not exceed in size in locations not over one hundred feet above the pumping house floor, three-sixteenths of an inch in diameter. And for floor localities not over one hundred and fifty feet above said floor, one-fourth of an inch in diameter; and in no case over three-eighths of an inch in diameter.

Sec. 17. The regular rates for street and garden sprinklers and for yard and lawn hydrants, will be based upon their use for one hour per day for ninety days in the year; and are not to be used to the inconvenience or injury of persons passing in the streets, and only such hours as said board may direct. Yard and garden hydrants must not be converted into jets; and neither the sprinklers or hydrants are to be used for wetting other premises than the ones defined in the application without permission of said board, and payment for said additional use. The size of the stream permitted in all cases will be fixed by the board and the increasing of the size by the user shall be sufficient cause for turning off of the water. The board may designate

the hours during which the sprinklers or hydrants may be used. Their use while a fire is raging is positively forbidden, except in case of danger of the premises from fire.

Sec. 18. All valves for water closets and urinals must be self-closing, and are to be submitted to and approved by the superintendent of the board. Tanks receiving water direct from the mains are to be fitted with approved self-acting float valves.

Sec. 19. Any person who shall violate any of the provisions of this ordinance, shall forfeit and pay the sum of not less than one nor more than thirty dollars, to be recovered by action of debt in the name of the city treasurer for the use of the city or by complaint for the use of the city before the municipal court, or any other court that may hereafter have jurisdiction of the same.

Plumbing

Sec. 1. No plumbing shall hereafter be done on any pipes or fixtures for the use of water from the city water works, unless by a plumber licensed by the water board of said city. Said board is authorized to grant and revoke licenses.

Sec. 2. Every plumber who shall set up any pipes or fixtures for the use of water from said city water works, or shall make repairs upon, additions to, or alterations of any pipes or fixtures set up previous thereto, shall, between the first and tenth day of the succeeding month, fill up and return to said board a report, stating particularly what new pipes and fixtures he has set up the previous month, and what repairs, additions and alterations he has made upon or to those previously set up.

Sec. 3. For every misrepresentation or omission in the report of the work done, said plumber shall be liable to have his license revoked by said board, and to pay a fine of not less than five nor more than twenty dollars, to be recovered in an action of debt in the name of the city treasurer, before the municipal court of said city.

Sec. 4. If any plumber or person not duly licensed, shall set up any pipes or fixtures for the use of water from the water works of said city, or make any repairs upon, additions to, or alterations of any pipes or fixtures previously thereto set up, he shall forfeit and pay a sum not less than five nor more than twenty dollars, to be recovered by complaint, or in an action of debt in the name of the city treasurer, before the municipal court of said city.

Report of Park Commissioners

To the Mayor and City Council:

The Park Commissioners have submitted the following:

Complying with the City Ordinance requiring a report of the various departments to your honorable body, we hereby submit our report for the department of Parks and Forestry for the year ending March 1, 1917. The following exhibit will show the amount appropriated for this department and for what it was expended.

Amount of appropriation.....	\$4,000 00
Amount of special appropriation for extermination of brown tail moth nests.....	500 00
	<hr/>
Total appropriation.....	\$4,500 00

AMOUNT EXPENDED

To labor and care of Chapin Park.....	\$755 00
To labor and care of Little City Park.....	100 00
To labor and care of Broadway Park.....	846 38
To labor and care of Bangor House Park.....	168 50
To labor and care of Davenport Park.....	192 25
To labor and care of Broadway Mall.....	119 50
To labor and care of Library Lot.....	138 37
To labor and care of Fairmount Park.....	211 27
To labor and care of Summit Park.....	265 25

To labor and care of Forestry Work.....	320 27	
To labor and care of Seavey Park.....	35 38	
To labor and care of Bowdoin Park.....	19 63	
To labor and care of West Broadway Park.....	24 00	
To labor and care of Hammond St. Church and Armory.....	19 25	
To labor and care of Whitney Park.....	68 25	
To labor and care of Post Office Site.....	55 25	
To labor, brown-tail moth for March and April	164 15	
		\$3,702 70
To plumbing.....	\$ 28 58	
To flowers for parks.....	142 89	
To sods and loam for Post Office.....	29 00	
To tools, seed and sharpening.....	109 34	
		\$4,012 51

BROWN-TAIL MOTH

To wages.....	\$397 88
To assistant City treasurer for mailing notices.....	75 00
To rope, poles, etc.....	14 31
To Bacon Printing Co., 2,500 notices.....	28 50

By this exhibit it can be seen that the amount appropriated has been over-drawn \$28.20. Taking into consideration the fact that the Mayor authorized the street commissioner to do extra work on the Little City Park which this department had not control over. It was the purpose of this commission to confine the work of the department strictly to the amount of its appropriation. We would recommend that the matter of improving the old Post Office site, received due attention from your honorable body, it being located in the most traveled and central part of the city, it should be made a beauty spot. We

would recommend also that proper action be brought against A. J. Lowder to replace the Norway maple trees, which he set out nearly two years ago according to his contract. Many of the trees died in their infancy, the city having a guarantee from Mr. Lowder that these trees would survive for a period of at least two years and outgrow their infancy.

The city in the improvement of its parks and the protection of its trees has unquestionably taken a step in the right direction, as our parks are one of our best assets. We hope that our incoming city government will continue the good work which has been carried out for the past few years, and that the City of Bangor shall not fall behind at least in this department of any for of our sister cities.

Respectfully submitted,

CHARLES E. SWEENEY
P. J. BYRNES



Report of the Schools



SCHOOL BOARD

DANIEL McCANN, M. D.....Term expires March, 1918
C. PARKER CROWELL.....Term expires March, 1918
GEORGE W. WESCOTT.....Term expires March, 1919
FREDERIC W. ADAMS.....Term expires March, 1919
WALTER A. DANFORTH.....Term expires March, 1920

Officers of the Board

GEORGE W. WESCOTT, Chairman
D. LYMAN WORMWOOD, Secretary

Regular meeting of the School Board, the second Tuesday of each month
at 7.30 p. m.

Superintendent of Schools

D. LYMAN WORMWOOD
AGNES N. TAYLOR, Clerk

School Agent

GEORGE W. CLUFF

Truant Officer

GEORGE W. CLUFF

Office of the Superintendent of Schools—Room 106, High School Building
Office is open from 8 o'clock a. m. to 11.30 a. m. and from 2 p. m. to 5
p. m.

Office hours of the Superintendent—School days: 8 to 9 a. m. and 4 to
5 p. m. Saturdays—10 to 11 a. m.

Office of the School Agent—Room 104, High School Building
Office hours—8 to 9 a. m. and 4 to 5 p. m.

CALENDAR

Fall term begins Sept. 10, 1917

Winter term begins Dec. 31, 1917

Spring term begins April 8, 1918

Fall term ends Dec. 14, 1917

Winter term ends Mar. 22, 1918

Spring term ends June 14, 1918

Report of the Superintending School Committee

BANGOR, MAINE, July 10, 1917.

To His Honor, the Mayor, and the City Council of Bangor:

The Superintending School Committee begs leave to submit its annual report upon the past year's work of the schools.

All the schools are showing a healthy increase and marked improvement.

The High School has improved wonderfully, and especially gratifying to the officials is the re-instatement of this school, after a year's trial, upon the list of schools approved by the College Entrance Certificate Board for a period of three years.

The organization of the heads of departments installed last year worked out with excellent results and proved a benefit to all departments. The graduating class numbered 148, the largest class ever graduated from the High School, and the graduating exercises held June 15 were among the best ever given. Military drill introduced last year proved a big success. The boys took the subject up with a great deal of enthusiasm and seemed to benefit greatly from it.

The grammar schools are full to overflowing as there are too many pupils in all the rooms for individual instruction. This will be overcome to some extent when the new school house is built. The City Government has made an appropriation for a new school house on upper Hammond Street which not only

was very much needed but also will be a valuable asset to the school system. There were 284 graduates from the 9th grade, the largest class ever graduated, due in part to the grouping system installed last year.

The rural schools are progressing in efficiency as the records of the pupils entering the High School will show.

The kindergarten department is running very smoothly and is fully up to its usual high standard.

The whole number of pupils registered last year was as follows:

High School.....	912
Graded Schools.....	3,308
Rural Schools.....	292
Kindergarten Schools.....	352
	<hr/>
Total.....	4,864

The total is 93 more than last year.

The Night School under Mr. Gray and his assistants is showing a marked growth and is a big addition to the school system. It supplies a long felt need and accommodates people who have not had educational advantages in their early lives. There were 110 students registered and they all showed improvement at the close of the year.

The medical inspection has been carried on as usual the past year and has proven its desirability in the prevention of the spread of communicable diseases.

The salaries of the teachers were increased practically ten per cent to which they were surely entitled, and this increase was duly appreciated by them.

Important repairs have been made in the Longfellow, Hannibal Hamlin, and Sherburne Schools, but more money must be spent on repairs to keep the buildings up to standard. A room in the basement of the Hannibal Hamlin School was fitted up and used as a school room. Since these basement rooms are wholly unfit, they should not be used in the future. There were 234 more pupils in this building than it was originally designed for.

Again, your Committee would urge the building of a concrete sidewalk in front of the High School, the most valuable building the City owns. They would recommend also a ventilating system in the Hannibal Hamlin School and a new boiler house for the Abraham Lincoln School.

A regrettable accident happened to Miss Shaw, who has taught school for 50 years, 43 of which has been in the Bangor Schools. She will be unable to teach again and has retired, receiving a pension which she is surely entitled to, as a slight recognition of her faithful services.

A report of the expenditures and estimates of the department are herewith attached.

For details of the work of the past year you are referred to the reports of the Superintendent of Schools, the Principals of the High School and the Grammar Schools, the Director of the Kindergartens and the School Agent.

Respectfully submitted,

GEORGE W. WESCOTT, Chairman.

DANIEL McCANN

C. PARKER CROWELL

FREDERIC W. ADAMS

WALTER A. DANFORTH

Superintending School Committee

Estimate for the Year 1917-18

General Administration:	
Salary of Supt., S. S. Committee, Medical	
Inspectors, Clerk.....	\$4,650 00
Office Supplies.....	150 00
Teachers' Salaries:	
High School, Inc. M. Tr. and D. Sci.	34,420 00
Common Schools, Inc. M. Tr. and D. Sci..	70,000 00
Text-books and Supplies.....	8,500 00
Janitors' Service:	
High School Janitors and Engineers.....	5,400 00
Common Schools.....	5,800 00
Fuel and Light:	
High School.....	4,000 00
Common Schools.....	7,500 00
Maintenance and Repairs.....	8,500 00
Manual Training Supplies.....	1,100 00
Domestic Science Supplies.....	600 00
Night School:	
Teachers' Pay Roll.....	825 00
Night School Supplies.....	75 00
Conveyance.....	600 00

1917]

CITY OF BANGOR

369

Water for Schools and Drinking Cups.....	150 00	
Incidental:		
Telephone.....	}	3,000 00
Miscellaneous.....		
Insurance.....		
Rent of Buildings for School Purposes.....	430 00	
School Agent's Salary.....	700 00	
Increase voted by City Gov't, Apr. 17, 1917....	7,200 00	
For fitting up rooms at the Abraham Lincoln and Hannibal Hamlin Schools for Manual Training and Domestic Science in the Elementary Schools	2,000 00	
	<hr/>	\$165,600 00

(This Budget was presented and approved by the School Board at a special meeting held April 25, 1917).

RECEIPTS AND EXPENDITURES

Year Ending March 1, 1917

Amount raised by city from taxation.....	\$85,312 60
Received from State Fund and Mill Tax.....	55,712 94
" " " on account of Salary of Supt.	800 00
" " " for Free High School.....	500 00
" " " for Industrial Education and Evening School.....	3,002 67
" " Pupils for Tuition.....	4,372 05
" " Bangor Public Library for Heating Bldg.....	1,200 00
" " Sale of Books, Supplies, etc.....	139 46
" " Refund on Workmen's Compensation (Mr. Kirstein).....	33 38
" " Refund on Insurance Policy (Mr. Byrnes) ...	1 20
" " Refund on Janitors.....	186 64
	<hr/>
Total amt. for schools, year ending March 1, 1917.....	\$151,260 94

AMOUNT EXPENDED

General Administration:	
Salary of Supt., S. S. Committee, Clerk and Medical Inspectors.....	\$4,344 70
Office supplies.....	40 33
Teachers' Salaries:	
High School Teachers.....	32,920 70
Common School Teachers.....	70,032 74
Text-books and supplies.....	8,089 00
Janitors' Service:	
High School Janitors.....	5,218 36
Common School Janitors.....	5,778 33
Fuel and Light:	
High School.....	3,926 89
Common Schools.....	6,995 06
Maintenance and repairs.....	7,404 92
Manual training.....	1,164 19
Domestic Science.....	579 20
Night School Teachers.....	801 50
Rent of buildings for School Purposes.....	411 25
Incidental.....	2,802 49
Conveyance.....	560 00
Water.....	87 63
Night School Supplies.....	101 00
	151,258 29
Amount unexpended.....	\$2 65
Library Fund: (Separate Fund)	
Amount expended.....	\$128 94

Report of the Trustees of the French Medal Fund

To the City Council:

Gentlemen:—The following awards of the C. E. French Medals were made for the school year 1916-1917:

HIGH SCHOOL

Scholarship: M. Louise Leonard
Marion Bragg

Essay: Grace G. Brennan
Harry Helson

Declamation: Lola M. Yelland
John S. McCann

Stenography and Typewriting:
Annie C. Lutz

HANNIBAL HAMLIN SCHOOL

Leslie J. Bowler
Mary Estelle Baumann
Justina Elizabeth Buckley
Robert Wentworth Morrison

ABRAHAM LINCOLN SCHOOL

Ruth T. Clough
Marion Louise Scripture
Harriet R. Peirce
Julia Agnes Laffey

RURAL

Agnes V. Russell

DANIEL McCANN
FREDERIC W. ADAMS
WALTER A. DANFORTH
C. PARKER CROWELL
GEORGE W. WESCOTT

Trustees.

THE FRENCH MEDALS

For Scholarship

A medal will be given to the member of the graduating class who has attained the highest rank in scholarship throughout the four years' course, and to the one who has attained the next highest rank.

For Graduating Essays

Medals will be given to the girl and the boy in the graduating class who present the best essay.

Stenography and Typewriting

A medal will be given to the member of the graduating class who excels in stenography and typewriting, the result to be determined by competitive examination.

Declamation

Medals will be given to a girl and a boy in the Junior Class for excellence in declamation at the Junior exhibition.

In no case shall two medals be awarded the same pupil.

No pupil, who has not been a member of the school for four years, shall receive a Senior medal.

No pupil, who has not been a member of the school for three years, shall receive a Junior medal.

No pupil, whose scholarship or deportment has been unsatisfactory, shall receive a medal.

For Scholarship

One medal will be given in each 9th grade room for the highest rank in scholarship throughout the four years in the grammar grades. Also one medal will be given each year in the 9th grade rural schools.

Report of Superintendent of Schools

To the Superintending School Committee of Bangor, Maine:

Gentlemen:—I have the honor to submit for your consideration the twenty-seventh annual report in the series of the Superintendent of Schools for the school year ending July 1, 1917, and the fifth report by the present Superintendent.

I am adding to my report the reports of the principals and supervisors in the different buildings and departments, and I urge you to read them carefully for they contain material which should be brought to your attention and receive your careful consideration.

The following changes have been made in the teaching corps of the City during the last school year:

(a) RESIGNATIONS

I High School:	C. Harold Grant Helen E. Patch William L. Wark
II Common Schools:	Alice W. Gilman Cora I. Morrison Gladys A. Totman

(b) APPOINTMENTS

I High School: Hall C. Dearborn
 Harry D. O'Neil
 Mary F. Mahaney
 Helen E. Patch

II Common Schools: Martha A. Colburn
 Eulalia E. Collins
 Mildred F. Cousins
 Frances M. Dunning
 Maude H. Morse
 Marion L. Rogan
 Mary E. Sullivan

HIGH SCHOOL

I feel satisfied both by personal observation and by other proofs that our High School is doing much better work than in past years. The reports which came from our graduates in the different colleges this year were certainly very complimentary, and offered proof that the standard is being steadily raised. Furthermore, notice was received that the Bangor High School has been restored to the approved list of the College Entrance Certificate Board for a period of three years, the longest time allowed to any school.

It seems to me most significant of the fact that our school is doing the work that any preparatory school ought to do—that is, to inspire in the pupils a desire for further education when it is possible—that more than sixty college certificates were filled out for the graduating class of 148 this year. Yet I am certain that the teachers are doing their best to work with the officials

to help those who are not fortunate enough to go to a higher institution of learning to appreciate the best and make the most out of their lives. For, as James Russell Lowell has said, "A college training is an excellent thing, but, after all, the better part of every man's education is that which he gives himself."

This year we have registered in the High School 912 pupils, a gain of 88 over last year. The graduating class this year numbered 148, the largest class in the history of the school. With an entering class of approximately 300 (not including the tuition pupils) next Fall it will be necessary for the High School to use all this building in the morning, except three grade classes each week in cookery. The High School enrollment follows in detail:

NUMBER OF PUPILS ENROLLED IN THE HIGH SCHOOL

First Year	188 boys and	196 girls	Total	384
Second Year	71 " "	120 " "	" "	191
Third Year	82 " "	108 " "	" "	190
Fourth Year	61 " "	79 " "	" "	140
Special	3 " "	4 " "	" "	7
Grand Total	405 " "	507 " "	" "	912

Number of pupils studying English, 905; Mathematics, 659; History, 380; Science, 384; French, 361; German, 81; Latin, 406; Greek, 17; Music, 800; Drawing, 136; Manual Training, 127; Domestic Science, 63; Stenography, 148; Typewriting, 187; Bookkeeping, 159. Of these 177 boys and 229 girls or 406 students are taking the College Preparatory Course and 165 are taking the Mechanic Arts Course.

In the middle of the year one teacher was added to help those students who had fallen behind in two studies. The majority of these pupils were able to complete their English and Mathematics so that next year they can go on with their classes. This is a step in the right direction and I hope to continue this work another year.

The conference work in the departments about which I spoke last year is being carried out to some extent and I trust that more may be done along these lines in the future. The value of personal contact between pupils and teachers cannot be overestimated.

It seems to me that there is a great opportunity, especially for the classical teachers, to give some individual attention on certain afternoons to the students who intend to take examinations for colleges which require either the College Entrance Board examination or a Comprehensive examination. This will be especially important within a year or so when the women's colleges, Mount Holyoke, Smith, Vassar and Wellesley, to which we send many girls begin to admit on their new plan. I have felt for some time that students who are looking forward to these examinations need a more intensive preparation than can be given in class, where the required work takes all the teacher's time and energy. Our teachers know the kind of extra work that these pupils need—careful reviews in English, both Grammar and Literature, and in Mathematics, more Composition and Sight Reading in Latin and the other languages, and special drill work in all subjects. I know that students with this extra training would pass far more intelligent examinations and repay the teachers' efforts by the increased efficiency of the school in this direction.

Military Drill as arranged by the Committee is working out well. The boys make a fine appearance now that they have their rifles, and I am sure this course adds dignity to the school.

The practice of reading the honor roll in each class with the names of the students who have attained an average of 95% or higher in any subject for the year cannot be too highly commended. I hope that the list may increase in size from year to year.

COMMON SCHOOLS

The graduating class in the ninth grade Grammar Schools numbered 284. This class is larger than in past years on account of the double promotion. This system, proposed and instituted last year, is working out to the satisfaction of all concerned.

On account of the crowded condition in the High School the Committee authorized the Superintendent to fit up a room in the Abraham Lincoln School for the manual training work of that building. This room will have 10 double benches and the tools for a class of twenty. The arrangement next year for the Manual Training will be as follows:—in the morning classes at the Abraham Lincoln School in Manual Training and in Sewing (elementary grades); in the afternoon, the classes from the Hannibal Hamlin will recite at the High School in Manual Training and in Sewing. All the classes in cookery will be held in the High School Domestic Science room.

The whole number of pupils in the elementary schools this year receiving instruction in Manual Training was 536; the whole number in Domestic Science 488.

I am sure all the parents will be pleased at the stand taken by the City Government in carrying out the recommendations of the School Board to erect a new building and thus furnish better housing facilities. The arrangement of raising part of the money this year and part next should prove admirable, since the Committee in charge will have ample time to make the best possible plans for a modern building.

INCREASE IN WAGES

An increase of approximately one hundred dollars¹ in the salaries of all female teachers in the grades will go into effect in September, 1917. This was in accordance with the recommendations of the Superintending School Committee. In the past all teachers in the grades were paid a minimum salary of eleven dollars per week for the first year of teaching with a yearly increase of one dollar per week for each year's experience with a maximum of eighteen dollars in the eighth grade. The ninth grade teachers received eighteen dollars and seventy-five cents. The new schedule provides for a gradual increase starting with a minimum of four hundred and fifty dollars and increasing each year fifty dollars till the maximum seven hundred and fifty in all grades is reached. In the High School the female teachers were increased fifty dollars each making the maximum eight hundred dollars and the heads of the different departments eight hundred and fifty dollars. The male teachers were increased rather on the percentage basis so that all teachers in our schools will receive an increase in wages beginning with September, 1917.

EVENING SCHOOL

The Evening School has continued as in past years to supply a needed want in the City. Under Mr. Gray and the other teachers the work has been kept at the same high standard.

KINDERGARTENS

Bangor should be proud of the fact that it was through the initial efforts of Miss Brown, Director of the Bangor Kindergartens, that the Kindergarten Bill was passed by the State Legislature this last winter. At the International Kindergarten Union, which held its meeting in Boston last May, through the efforts of our Kindergartners and a few others in the State, a Maine Kindergarten Association was formed. Besides this, the Bangor delegation brought home from Boston the banner for the largest aggregate attendance in proportion to the number of trained workers in the State. These statements, I think, show beyond question the standing which our Kindergarten Department has.

SPECIAL TEACHERS

Under Miss Littlefield the singing, which has always been good, has improved a great deal in the past year. This improvement was noted particularly in the High School where the fine work at Junior Exhibition and Graduation was most favorably received. The spirit of the Music periods, too, has improved and a real interest is now taken in this part of the course. The

work of the High School orchestra has been mentioned in the High School report by Mr. Eaton. I can only endorse what he has said and call to your attention the fact that the Grammar Schools also have an orchestra which plays most acceptably at their graduation exercises. Miss Littlefield spares no time nor pains in preparing the students for the various events of the year, and is always most willing to assist with music when the schools are giving entertainments.

The results of the work of Miss Dealing in Drawing and Miss Alexander in Penmanship were on exhibition at various times during the year. I think this work compares more than favorably with the work of other schools in the country.

The work in the Manual Training and Domestic Science Departments which has been on exhibition during the year testifies to the capable instruction which the children have received.

TEACHERS' WORK AND INTERESTS

Plans for regular teachers' meetings have been partially arranged. At the first meetings the revised course of study will be presented and discussed by the teachers in the grades. I trust every teacher will have from this discussion a more definite understanding of her work for the year. These meetings will be held at the beginning of the Fall term and will be followed by meetings in all the grades. I also hope to have at least two meetings of the whole teaching force to be addressed by eminent school men.

This report would not be complete without mentioning, at least, the Pageant presented by our Teachers' Club during this last winter. Everyone who saw the pageant felt convinced, I am sure, that it was most educational, and that the teachers in giving it did a real service to the City. In this way proof was

given that there is in our teaching force histrionic talent as well as artistic and executive ability.

As a body our teachers have reason to feel that their value to the community is rated higher than in the past and they may be counted on to prove their worth by the quality of their work. This work each teacher should do willingly and uncomplainingly and should try all the time to become an integral part of the great whole, doing as best he can the task set before him.

I wish to thank the teachers, and especially those who worked so faithfully to begin and carry out the double promotion plan, since I realize the extra work this entailed, for their faithfulness in carrying out my ideas and for their spirit of cooperation.

There has been much discussion about the opening of the schools in the Fall. The schools should in my opinion be opened at the usual time and I make this recommendation. The Junior Volunteers are not so many but what special classes may be formed to help them make up what they must lose before they return in October. We have been told many times in the last few months that America upon its entrance in the great world struggle may well avoid many of the mistakes made by other countries and profit by these as well as by their successes. In educational lines all these countries have something to teach us. Japan made a declaration that no teacher should leave his post, for the education of the children must not be neglected at this time. France, too, has taken a like stand in preserving the future of education at any cost. England, on the other hand, by turning the children on the street has, as an educator expressed it caused them to be "hurt in body and soul." Let us with these examples before us try our best for the present, at least, to keep our school system as nearly normal as possible.

In closing I wish to thank the City Government for the substantial increase in salaries in this Department for the next year.

As always I feel under obligations to the School Board for the kindness which they have shown me, and for the interest with which they have tried to further educational interests in the City.

To all others who have in any way helped to bring this year to a successful close I wish to extend my thanks.

Respectfully submitted,

D. LYMAN WORMWOOD,
Superintendent of Schools.

July 5, 1917.

School Buildings owned by City, 28
Buildings Rented for School Purposes, 2

The High School, with an enrollment of 912 pupils, has:

- Offices for the Superintendent of Schools
- Offices for School Agent
- Offices for the Principal
- 17 Class Rooms
- 6 Recitation Rooms
- A Bookkeeping and Banking Room
- A Stenography Room
- A Typewriting Room
- A Science Lecture Room, equipped with stereopticon
- A Biology Laboratory
- A Physiography Laboratory
- A Chemical Laboratory
- A Physics Laboratory
- A Drawing Room for Mechanical Drawing
- A Drawing Room for Freehand Drawing
- 2 Dark Rooms for Photography
- 1 Wood Working Room
- 1 Metal Working Room
- 1 Cooking Room with pantry and dining room connected
- A Sewing Room
- A Room for the grammar school Manual Training work
- 12 Storerooms
- 2 Teachers' Offices
- 2 Teachers' Reception rooms
- A Medical Room
- A Library
- A Lunch Room
- 2 Locker Rooms
- 2 Toilet Rooms
- A Gymnasium with two dressing rooms adjoining
- An Assembly Hall with two ante-rooms adjoining stage

EAST SIDE

Name of School	No. of Rooms	No. of Pupils
Abraham Lincoln.....	20	861
Center Street.....	4	218
Longfellow*.....	4	184
Elm Street*.....	4	220
State Street*.....	4	201
Forest Avenue.....	2	65
Pearl Street.....	2	75
Pearl St. Kindergarten.....	2	34

WEST SIDE

Name of School	No. of Rooms	No. of Pupils
Hannibal Hamlin.....	14	570
Valentine*.....	6	277
Pond Street.....	4	188
Larkin Street*.....	6	271
Bower Street*.....	4	204
Allen Street.....	2	88
Cottage Street.....	2	101
Third Street.....	1	28
Crosbyville.....	1	27
Thirteenth Street Kindergarten.....	1	48
Rural Schools.....	11	292

*Includes Kindergartens

NUMBER OF TEACHERS EMPLOYED

High School, 1 master, 1 sub-master and 36 assistants.....	38
Grammar grades, 2 principals and 25 assistants.....	27
Primary grades, teachers 51.....	51
Suburban schools, 11.....	11
Kindergarten, 1 supervisor, 8 principals and 8 assistants.....	17
Special teachers, 6.....	6

AVERAGE NUMBER OF PUPILS TO EACH TEACHER

High School.....	25
Grammar grades.....	45
Primary grades.....	44
Suburban schools.....	26
Kindergarten—Director and Assistant.....	44

COST OF TUITION, INCLUDING SALARIES OF TEACHERS,
JANITORS' SERVICE, FUEL, BOOKS AND SUPPLIES

	Per Week	Per Year
High School.....	\$1 17.....	\$42 00
Upper Grammar (6-9).....	50.....	18 00
Lower Grammar (4-5).....	50.....	18 00
Primary.....	35.....	12 60
Suburban.....	45.....	16 20

GENERAL STATISTICS

Value of Bangor for 1915.....	\$25,026,987 00
Population of Bangor by census of 1910.....	24,815
Population between ages of 5 and 21 years.....	6,377
Total enrollment in public schools.....	4,403
Average enrollment in public schools.....	3,960
Enrollment of pupils in parochial and private schools approx.	984
Percentage of school population in public and private schools.....	84%
Appropriation received from the City.....	\$85,312 60

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Abraham													
Lincoln	Herbert Poole, Prin.....												
	IX Alma L. Davis.....	23	16	39	37	23	16	39	38	23	16	39	37
	IX Minnie E. McCarthy.....	13	19	32	31	14	21	35	32	13	20	33	31
	IX Frances B. Mosher.....	20	16	36	34	19	17	36	35	20	16	36	35
	VIII Alice W. Trickey.....	14	21	35	34	18	22	40	36	16	21	37	35
	VIII Lilian C. McCarthy.....	16	18	34	31	21	19	40	38	20	19	39	36
	VIII Katherine Quigley.....	17	15	32	30	20	19	39	36	18	17	35	32
	VII Helen J. Mountaine.....	28	20	48	46	29	18	47	44	27	21	48	46
	VII Corrinne M. Barker.....	25	23	48	42	24	24	48	44	25	23	48	43
	VII Eva L. Grant.....	28	19	47	44	25	23	48	46	26	21	47	45
	VI Agnes M. Mullaney.....	19	18	37	34	22	19	41	36	21	18	39	36
	VI Rosemarie Gallagher	18	20	38	36	20	19	39	37	20	19	39	38
	VI Sadie R. Blaisdell.....	19	19	38	36	21	19	40	36	20	19	39	37
	V Alice M. Collins	19	21	40	38	19	23	42	38	20	21	41	39
	V Nellie P. Blaisdell.....	18	22	40	37	17	23	40	36	17	22	39	37
	V Alice W. Gilman.....	18	22	40	35	18	22	40	36	18	22	40	37
	IV Nettie M. Howard.....	22	17	39	33	21	17	38	34	22	16	38	35
	IV Mabel A. Weymouth.....	20	17	37	33	20	19	39	35	19	18	37	35
	IV Sarah A. Ryder.....	21	15	36	33	21	19	40	36	22	15	37	34
II & III	Mabel M. Drinkwater.....	26	14	40	37	26	17	43	40	27	15	42	39
	I Helen N. Christian.....	20	14	34	30	14	21	35	32	20	15	35	30
Hannibal													
Hamlin	Charles P. Allen, Prin.....												
	IX Julia T. Brastow.....	16	16	32	28	16	19	35	32	16	17	33	31
	IX Annie M. Ervine.....	14	18	32	31	15	18	33	32	15	19	34	33
	IX Annie L. Roney.....	16	13	29	29	18	14	32	31	18	13	31	29
	VIII Mary R. Shaw.....	20	20	40	37	25	21	46	43	20	20	40	37
	VIII Kate M. Allamby.....	20	11	31	30	21	11	32	30	20	11	31	29
	VIII Sara L. Field	16	21	37	36	17	23	40	38	17	21	38	37
	VII Ann E. Neville.....	19	17	36	33	22	19	41	39	22	19	41	38
	VII Mae O. Straw.....	16	17	33	31	19	16	35	34	18	20	38	31
	VII Margaret S. Hamilton.....	25	16	41	39	24	18	42	40	26	16	42	38
	VI Gertrude E. Fogg.....	18	18	36	34	25	16	41	38	20	20	40	37

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Hannibal													
Hamlin VI	Lilla E. Curtis.....	22	19	41	38	20	21	41	38	20	22	42	38
VI	Mary T. Gibbons.....	21	21	42	39	20	21	41	38	20	21	41	39
VI & VII	Flora E. Whitley.....	16	20	36	32	16	20	36	33	16	22	38	34
V	Annie F. Moore.....	20	19	39	35	22	21	43	39	21	20	41	38
Valentine.....													
V	Bessie McCoy.....	23	14	37	32	23	14	37	34	23	14	37	33
IV	Allena H. Jewett.....	27	15	42	39	29	15	44	42	29	16	45	42
III	Elizabeth Nickerson.....	17	20	37	33	16	17	33	31	15	20	35	30
II	Mary Gallagher.....	21	13	34	31	21	13	34	32	21	12	33	30
I	Gertrude Simpson.....	18	23	41	30	18	21	39	32	18	23	41	33
Pond St.													
V	Marion J. Mullen.....	19	22	41	39	21	22	43	40	21	22	43	40
IV	Jessie Lord.....	25	22	47	44	27	20	47	44	25	20	45	42
II & III	Eva W. Stewart.....	23	18	41	36	26	20	46	41	25	20	45	40
I	Lucie W. Preble.....	11	24	35	30	10	21	31	27	11	22	33	27
Centre St.....													
VI	Ida E. Frost.....	20	17	37	35	22	18	40	36	20	16	36	34
IV & V	Ruby M. Gould.....	25	22	47	42	25	22	47	39	25	21	46	40
II & III	Eleanor A. Gayton.....	18	35	53	46	18	37	55	46	31	16	47	42
I	Elizabeth A. Norton.....	16	19	35	27	19	19	38	31	17	19	36	28
Longfellow													
IV & V	Augusta P. Kirstein.....	13	27	40	39	13	28	41	39	13	29	42	39
II & III	Pauline F. Pretto.....	24	19	43	37	23	20	43	40	23	21	44	37
II & IV	Sarah M. Malone.....	9	13	22	20	9	13	22	21	9	13	22	20
I	Mollie B. Cullinan.....	14	11	25	18	14	13	27	25	15	14	29	22
Elm St.													
III	Harriet L. Mosher.....	25	23	48	42	28	20	48	44	25	21	46	44
II	Caro M. Pendleton.....	26	20	46	38	26	20	46	44	27	20	47	43
I	Alice M. Mack.....	29	24	53	48	28	24	52	48	25	24	49	43

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Larkin St.....													
	V Mary A. Walsh.....	14	14	28	25	15	15	30	26	15	15	30	26
	IV Bernice Babcock.....	19	16	35	32	22	19	41	34	19	16	35	33
	III Bernice S. Welch.....	15	22	37	32	17	23	40	35	14	23	37	33
	II Frances K. Donovan.....	15	19	34	28	16	18	34	29	14	17	31	30
	I Helen C. Hennessy.....	25	26	51	35	25	26	51	42	26	23	49	41
Bower St.													
	IV Helen C. Hickson.....	17	20	37	35	17	23	40	32	17	21	38	31
	II & III Margaret F. Toole.....	24	24	48	41	23	24	47	40	22	23	45	40
	I B. Teresa Curran	12	19	31	21	14	17	31	24	13	20	33	28
State St.													
	II & III Mary R. Spratt	19	23	42	38	14	30	44	38	15	24	39	36
	I & II Eunice R. Coney.....	16	20	36	31	18	20	38	33	17	20	37	34
	I Helen L. Donnelly	16	19	35	30	20	24	44	36	19	23	42	36
Pearl St.													
	II & III Mary Clayton.....	12	11	23	21	13	8	21	18	12	11	23	21
	I Augusta P. Mountaine ...	19	17	36	22	25	18	43	33	18	17	35	27
Allen St.													
	II & III Kathryn T. Preble.....	20	23	43	40	19	23	42	40	19	21	40	38
	I Marion D. Buzzell	18	20	38	31	22	20	42	34	21	19	40	36
Cottage St....													
	II & III Alzada C. Withee.....	25	17	42	38	27	21	48	43	27	18	45	43
	I Nellie I. Gale.....	15	20	35	26	21	22	43	34	19	24	43	36
Forest Ave....													
	II & III Nellie A. Sullivan.....	11	12	23	19	13	14	27	22	10	13	23	20
	I Grace E. Gallagher.....	14	13	27	25	16	11	27	25	14	13	27	24
Third St.....													
	I Annabel C. McManus.....	10	14	24	19	7	14	21	19	10	15	25	20

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Longfellow	Adelaide L. Mansur, Director	22	13	35	27	24	12	36	30	24	12	36	27
	Mary A. Reilly, Asst.												
Valentine	Grace E. Glass, Director	21	14	35	28	20	16	36	30	21	13	34	28
	Elsie M. Lyon, Asst.												
Larkin St.	Eleanor A. Herlihy, Director	21	16	37	26	22	17	39	34	20	14	34	28
	Margaret M. Moran, Asst.												
Pearl St.	Elizabeth L. Hurley, Director	16	16	32	22	15	13	28	22	15	14	29	21
	Annie G. Gilkey, Asst.												
Thirteenth St.	Virginia Dillingham, Director	21	25	46	29	21	24	45	34	19	24	43	29
	Ethlyn M. Steward, Asst.												
		2057	2108	4165	3664	2180	2222	4402	3960	2114	2139	4253	3823

DIRECTORY OF TEACHERS, 1916-17

Schools	Teachers Names	Grades	Addresses
High.....	Hal R. Eaton, Principal		349 Center
	Lee T. Gray, Sub-Master		197 Fountain
	Annie M. Pease.....		54 Penobscot
	*Mary B. Hutchings.....		304 N. Main, Brewer
	*Mary C. Robinson.....		44 Thatcher
	Mary L. Webster.....		The Colonial
	*Elmar T. Boyd.....		251 French
	*Pauline A. Beaupre.....		396 Hammond
	*Fannie H. Robinson.....		142 Hammond
	Mabel A. Humphrey.....		50 Leighton
	Nellie M. Worth.....		259 French
	*Harold A. M. Trickey.....		Hampden
	Willard H. Eaton.....		123 Center
	Amy E. Ware.....		113 Grove
	Sue L. Hincks.....		So. Orrington
	Anna McSkimmon.....		94 Third
	Ethel C. Pfaff.....		57 Ohio
	*Herbert E. Congdon.....		131 Grant
	Irene Cousins.....		82 N. Main, Brewer
	Alice E. Wormwood.....		202 Norfolk
	Gladys E. Kavanah.....		26 Lane
	Peter W. Mitchell.....		223 Ohio
	Helen V. Bransfield.....		The Lowder
	Stasia J. Scribner.....		The Lowder
	Rachel A. Hall.....		The Colonial
	George N. Varney.....		7 Fourth St. Place
	Bernice B. Dunning.....		156 Cedar
	C. Imogen Wormwood.....		202 Norfolk
	Marion W. Hunt, substitute		150 State
	Ethel M. Nichols.....		The Lowder
	Mary F. Mahaney.....		70 Sidney
	C. Harold Grant.....		47 N. Main, Brewer
	Helen E. Patch.....		175 State
Hall C. Dearborn.....		427 Essex	
Harry D. O'Neil.....		107 Mt. Hope Ave.	

*Department Heads.

Schools	Teachers' Names	Grades	Addresses
High	SPECIAL TEACHERS		
	*Benjamin C. Kent.....		32 Sixth
	*Ethel E. Harrigan.....		319 State
	Emily F. Lee.....		211 Union
	William L. Wark.....		12 Leighton
	Alden B. Hayes.....		6 Blackstone
Abraham	Herbert Poole, Principal.....		29 Palm
Lincoln	Alma L. Davis.....	IX.....	179 Birch
	Minnie E. McCarthy.....	IX.....	17 Birch
	Frances B. Mosher.....	IX.....	38 Forest Ave.
	Alice W. Trickey.....	VIII.....	27 Prentiss
	Lilian C. McCarthy.....	VIII.....	17 Birch
	Katherine Quigley.....	VIII.....	167 Birch
	Helen J. Mountaine.....	VII.....	21 Adams
	Corinne M. Barker.....	VII.....	87 Elm
	Eva L. Grant.....	VII.....	42 Grant
	Agnes M. Mullaney.....	VI.....	41 Birch
	Rosemarie Gallagher.....	VI.....	11 Birch
	Sadie R. Blaisdell.....	VI.....	277 Forest Ave.
	Alice M. Collins.....	V.....	40 E. Summer
	Nellie P. Blaisdell.....	V.....	277 Forest Ave.
	Alice W. Gilman.....	V.....	Brewer
	Nettie M. Howard.....	IV.....	Brewer
	Mabel A. Weymouth.....	IV.....	Brewer
	Sarah A. Ryder.....	IV.....	213 Grove
	Mabel M. Drinkwater.....	II & III.....	135 Elm
	Helen N. Christian.....	I.....	17 Adams
Hannibal	Charles P. Allen, Principal.....		141 Ohio
Hamlin	Julia T. Brastow.....	IX.....	7 Fourth St. Place
	Annie M. Ervine.....	IX.....	21 Ohio
	Annie L. Roney.....	IX.....	76 Summer
	Mary R. Shaw.....	VIII.....	23 Highland Ave.
	Kate M. Allamby.....	VIII.....	239 Ohio

*Department Heads

Schools	Teachers' Names	Grades	Addresses
Hannibal Hamlin	Sara L. Field.....	VIII.....	12 Autumn
	Ann E. Neville.....	VII.....	109 Elm
	Mae O. Straw.....	VII.....	Union, R. F. D.
	Cora I. Morrison.....	VII.....	277 Hammond
	Gertrude E. Fogg.....	VI.....	277 Hammond
	Lilla E. Curtis.....	VI.....	Brewer
	Mary T. Gibbons.....	VI.....	66 Third
	Flora E. Whitley.....	VI & VII	R. F. D. No. 8
	Annie F. Moore.....	V.....	419 Ohio
Valentine	Bessie McCoy, Principal	V.....	28 Maple
	Allena H. Jewett.....	IV.....	80 Lincoln
	Elizabeth Nickerson.....	III.....	170 Third
	Mary Gallagher.....	II.....	83 First
	Gertrude Simpson.....	I.....	28 Second
Pond St.....	Marion J. Mullen, Principal	V.....	431 Hammond
	Jessie Lord.....	IV.....	13 Pond
	Eva W. Stewart.....	II & III.....	17 Seventh
	Lucie W. Preble.....	I.....	15 Elm
Center St.....	Ida E. Frost, Principal.....	VI.....	58 Kenduskeag Ave.
	Ruby M. Gould.....	IV & V.....	Kenduskeag
	Eleanor A. Gayton	II & III	247 Forest Ave.
	Elizabeth A. Norton.....	I.....	66 Madison
Longfellow	Augusta P. Kirstein, Principal	IV & V.....	375 Center
	Pauline F. Pretto.....	II & III	50 Pine
	Sarah M. Malone.....	III & IV.....	50 Sidney
	Mollie B. Cullinan.....	I.....	440 Main
Elm St.	Harriet L. Mosher, Principal	III.....	242 Essex
	Caro M. Pendleton.....	II.....	167 Forest Ave.
	Alice M. Mack.....	I.....	121 Grove
Larkin St.....	Mary A. Walsh, Principal	V.....	31 Sidney
	Bernice Babcock.....	IV.....	Kittredge Road
	Bernice S. Welch.....	III.....	31 March
	Frances K. Donovan.....	II.....	22 Barker
	Helen C. Hennessy	I.....	5 High

Schools	Teachers' Names	Grades	Addresses
Bower St.....	Margaret S. Hamilton, Principal	IV.....	59 Dillingham
	Margaret F. Toole.....	II & III.....	25 Fifth
	B. Teresa Curran.....	I.....	32 Carroll
State St.....	Mary R. Spratt, Principal	II & III.....	43 Essex
	Eunice R. Coney.....	I & II.....	21 Fern
	Helen L. Donnelly.....	I.....	381 Main
Pearl St.....	Mary Clayton.....	II & III.....	6 Coombs
	Augusta P. Mountaine.....	I.....	21 Adams
Allen St.....	Kathryn T. Preble.....	II & III.....	15 Elm
	Marion D. Buzzell.....	I.....	195 Third
Cottage St.....	Alzada C. Withee.....	II & III.....	71 Holland
	Nellie I. Gale.....	I.....	68 Jefferson
Forest Ave.....	Nellie A. Sullivan.....	II & III.....	Veazie
	Grace E. Gallagher.....	I.....	11 Birch
Third St.....	Annabel C. McManus.....	I.....	183 Third
Crosbyville....	Bertha M. Cushman.....	I, II & III.....	29 Holland
SUBURBAN SCHOOLS			
Mount Hope....	Mary E. Sullivan.....		State St.
Stillwater Av.	Marion L. Rogan.....		26 Highland Lane
Bagley.....	Mildred F. Cousins.....		332 Essex
Hillside.....	Esther M. Curran.....		112 Birch
Sherburne.....	Mary E. Lynch.....		195 Maple
Central.....	Mary E. Gallagher.....		79 Birch
N. Bangor.....	Martha A. Colburn.....		Ohio, R. F. D. 4
Avenue.....	Maude H. Morse.....		Union, R. F. D. 3
Odlin.....	Grace M. Reed.....		Odlin Rd., R. F. D. 2
Tyler.....	Louise A. O'Connor.....		30 Otis
Fuller.....	Nellie G. Curley.....		38 Pier
KINDERGARTENS			
	Nellie E. Brown, Supervisor.....		29 James
State St.....	Marguerite H. Belden, Director.....		22 Ohio
	Alice E. Moore, Asst.....		141 Ohio

Schools	Teachers' Names	Grades	Addresses
Elm St.	Katherine L. Durgin, Director.....		40 Blackstone
	Eulalia E. Collins, Asst.....		76 Lincoln
Longfellow	Adelaide L. Mansur, Director.....		15 Somerset
	Mary A. Reilly, Asst.....		84 Cedar
Valentine	Grace E. Glass, Director		29 James
	Elsie M. Lyon, Asst.....		735 Main
Bower St.....	Gladys A. Totman, Director		52 Cottage
	Mary E. Mooney, Asst.....		87 Second
Larkin St.....	Eleanor A. Herlihy, Director.....		201 State
	Margaret M. Moran, Asst.		130 W. Broadway
Pearl St.....	Elizabeth L. Hurley, Director ...		51 Sidney
	Annie G. Gilkey, Asst.....		141 Ohio
Thirteenth St	Virginia Dillingham, Director		114 Forest Ave.
	Ethlyn M. Steward, Asst.		97 Ohio
SPECIAL SUPERVISORS			
Music	Gale Littlefield		29 James
Writing	Mary Alexander.....		28 Congress
Drawing	Mabel L. Dealing		199 Main
Manual			
Training	Benjamin C. Kent, Director		32 Sixth
	William L. Wark, Asst.		12 Leighton
	Alden C. Hayes, Asst.....		6 Blackstone
Domestic			
Science.....	Ethel E. Harrigan		319 State
	Frances E. Dugan, Asst.		8 State St. Ave.
	Frances M. Dunning, Asst.		156 Cedar
Phy. Director	Emily F. Lee		211 Union

EVENING SCHOOL

Lee T. Gray, Director
William L. Wark
Alden B. Hayes
Frances E. Dugan
Frances M. Dunning
Eva L. Grant
Ethel M. Nichols
Rachel A. Hall

Open—Monday, Tuesday and Thursday Evenings from 7.30 till 9.30
o'clock

MEDICAL INSPECTORS

Dr. D. A. Robinson, Chairman
Dr. Blanche Mansfield, Secretary

Dr. L. S. Mason	Dr. H. J. Milliken
Dr. H. H. Crane	Dr. Barbara Hunt
Dr. L. M. Pastor	Dr. H. C. Scribner

Regular Meeting of Medical Inspectors, the second Tuesday of each
month at 7.30 P. M., Medical Room, High School Building.

COURSES OF STUDY

CLASSICAL COURSE

The Classical Course prepares for any College; it gives an all round Academic Course, strong in language.

First Year	<i>Required</i> —English 5. Latin 5. Algebra 5. Ancient History 5.
Second Year	<i>Required</i> —English II, 5. Latin II, 5. Geometry 5. <i>Elective.</i> (One to be selected.)—Greek 5. French 5. German 5.
Third Year	<i>Required</i> —English III, 5. Latin III, 5. Algebra II, 5. <i>Elective.</i> (One to be selected.)—Greek II, 5. French II, 5. German II, 5. <i>Optional.</i> French I, 5 or German I, 5.
Fourth Year	<i>Required</i> —English IV, 2½. Latin IV, 5. Mathematics 2½. Greek III, or German III, or French III, 5. <i>Elective.</i> —(One to be selected.)—French I, or II, 5. German I, or II, 5. Chemistry 5. Physics 5. Solid Geometry and Trigonometry 5.

SCIENTIFIC COURSE

The Scientific Course fits for admission to Schools of Technology, and to the Scientific Department of other Colleges.

First Year	<i>Required</i> —English 5. Latin 5. Algebra 5. Ancient History 5. <i>Elective.</i> Science 2½.
-------------------	---

SCIENTIFIC COURSE—Continued

Second Year	<i>Required</i> —English II, 5. Latin II, 5. Geometry 5. <i>Elective.</i> (One to be selected.)—Botany 5. Physiography 5. French I, 5 or German I, 5.
Third Year	<i>Required</i> —English III, 5. Algebra II, 5. Physics 5. <i>Elective.</i> (One to be selected.)—French I, or II, 5. German I, or II, 5.
Fourth Year	<i>Required</i> —English IV, 2½. Mathematics 5. Chemistry 5. <i>Elective.</i> (One to be selected.)—French I, II, or III, 5. German I, II, or III, 5. American History and Civics 5. <i>Optional.</i> —Hygiene 2½. Mechanical Drawing 2½.

TECHNICAL COURSE

The Technical Course fits for Scientific and Technical Schools and gives an all round Technical education.

First Year	<i>Required</i> —English I, 5. Algebra 5. Drawing and Shopwork 10=5. Ancient History 2½. Science 2½.
Second Year	<i>Required</i> —English II, 5. Geometry 5. Drawing and Shopwork 10=5. <i>Elective.</i> (One to be selected.)—German I, 5. French I, 5. Physiography 5.
Third Year	<i>Required</i> —English III, 5. Algebra II, 5. Physics 5. <i>Elective.</i> (One to be selected.)—French I, or II, 5. German I, or II, 5.

TECHNICAL COURSE—Continued

Fourth Year	<p><i>Required</i>—English IV, 2½. Solid Geometry and Trigonometry 5. Chemistry 5.</p> <p><i>Elective.</i> (One to be selected.)—American History and Civics 5. French I, II, or III, 5. German I, II, or III, 5.</p> <p><i>Optional</i>—Mechanical Drawing 2½.</p>
--------------------	---

INDUSTRIAL COURSE

The Industrial Course is designed to enable the pupil who does not intend to enter College, to make himself of greater value along industrial lines.

First Year	<p><i>Required</i>—English 5. Algebra or Arithmetic 5. Drawing and Shopwork 10=5. Penmanship and Spelling (with Business Forms) 2½.</p>
Second Year	<p><i>Required</i>—English II, 5. Drawing and Shopwork 10=5. Bookkeeping 5.</p> <p><i>Elective.</i> (One to be selected.)—Physiography 5. Geometry 5. French I, or German I, 5.</p>
Third Year	<p><i>Required</i>—English III, 5. Commercial Law 2½. Commercial Geography 2½.</p> <p><i>Elective.</i> (Two to be selected.)—Bookkeeping 5. Physics 5. French I, or II, 5. German I, or II, 5. English History 5.</p>
Fourth Year	<p><i>Required</i>—English IV, 5. American History and Civics 5. Typewriting 5=2½. Hygiene 2½.</p> <p><i>Elective.</i> (One to be selected.)—Bookkeeping 5. Chemistry 5. French I, II, or III, 5. German I, II, or III, 5.</p>

HOUSEHOLD ARTS COURSE

The Household Arts Course is, to a large degree, of a practical character and emphasizes such studies as would be useful in a well ordered home.

First Year	<i>Required</i> —English 5. Algebra and Science 5. Latin 5. Cookery 2. Sewing 1.
Second Year	<i>Required</i> —English II, 5. Biology 5. First Semester—Cookery 2. Sewing 1. Second Semester—Sanitary Science 2. Sewing 1. <i>Elective.</i> (One to be selected.)—Latin II, 5. French I, 5. German I, 5 or Geometry 5.
Third Year	<i>Required</i> —English III, 5. Household Physics 5. English History 2½. Bookkeeping 2½. First Semester—Dressmaking 2. Millinery 1. Second Semester—Home Management and Laundry 2. Millinery 1.
Fourth Year	<i>Required</i> —English IV, 5. Household Chemistry 5. American History and Civics 5. First Semester—Dietetics 2. Foods and Adulterations 1. Second Semester—Home Decoration 2. Home Nursing 1.

COMMERCIAL COURSE

The Commercial Course gives a thorough and broad business training.

First Year	<i>Required</i> —English 5. Algebra and Science 5. Arithmetic 5. Penmanship and Spelling (with Business Forms) 2½.
-------------------	--

COMMERCIAL COURSE—Continued

Second Year	<i>Required</i> —English II, 5. Bookkeeping I, 5. Typewriting 5=2½. Modern History 2½. <i>Elective.</i> (One to be selected.)—French I, 5. German I, 5. Physiography 5. Botany 5.
Third Year	<i>Required</i> —English III, 5. Bookkeeping II, 5. Commercial Law 2½. Commercial Geography 2½. <i>Elective.</i> (One to be selected.)—Stenography and Typewriting 5. French I, or II, 5. German I, or II, 5. Physics. 5.
Fourth Year	<i>Required</i> —English IV, 5. American History and Civics 5. <i>Elective.</i> (Two to be selected.)—Stenography and Typewriting 5. Bookkeeping III, 5. French I, II, or III, 5. German I, II, or III, 5. Chemistry 5.

GENERAL COURSE

The General Course is intended to give a broader general training to those pupils who do not intend to enter a higher institution.

First Year	<i>Required</i> —English 5. <i>Elective.</i> (Two to be selected.)—Algebra 5. Arithmetic 5. Latin 5. (One to be selected.)—Ancient History 2½. Science 2½. Domestic Science 2½. Mechanical Drawing 2½.
Second Year	<i>Required</i> —English II, 5. <i>Elective.</i> (One to be selected.)—Modern History 2½. Mechanical Drawing 2½. Domestic Science 2½. (Two to be selected.)—Geometry 5. Botany or Physiography 5. Bookkeeping 5. Latin II, or French I, 5. German I, 5.

GENERAL COURSE—Continued

Third Year	<i>Required</i> —English III, 5. English History, 2½. <i>Elective.</i> (Two to be selected.)—French I, or II, 5. Latin III, 5. German I, or II, 5. Physics 5. Book-keeping I, or II, 5. Algebra II, 5.
Fourth Year	<i>Required</i> —English IV, 5. Hygiene 2½. <i>Elective.</i> (Two to be selected.)—American History and Civics 5. German I, II, or III, 5. Mathematics 5. Bookkeeping I, II, or III, 5. Chemistry. French I, II, or III, 5.

NOTES ON THE COURSES OF STUDY

1. The figure after each subject indicates the number of recitation periods per week, which is, in general, the same as the number of credits allowed. Exceptions are found in several studies. In this case the diploma value is indicated after the sign=.

2. A pupil in course for a diploma must take studies representing at least seventeen and one-half credits for the year.

3. The minimum number of points to secure a diploma is seventy.

4. Only one foreign language may be begun in the same year and it should be continued for at least two years if the pupil is proficient.

5. Pupils who are preparing to enter college or scientific schools have little choice in regard to studies. The requirements of the institution which the pupil is to enter, fix the subjects to be taken. It is important that the choice of college be

made as early as the beginning of the second year, and pupils should then find out exactly the requirements for admission to the college chosen.

6. There must be a sufficient number of pupils desiring a certain elective to warrant the formation of a class in that subject.

7. Pupils unable to take the full course of seventeen and one-half periods a week, may, by consultation with the principal, arrange a course for five years.

8. The selection of studies is subject to the approval of parents and principal and, whenever necessary, of the superintendent. After studies have been selected, pupils will not be allowed to make changes until permission has been granted by the principal or superintendent. The three upper classes select their studies before the close of the preceding year.

9. No credit will be given a pupil unless a study has been pursued at least a year, or unless the amount required in the course is completed.

10. The school is provided with excellent chemical and physical laboratories. Pupils who are to enter colleges where such work is allowed as part of their preparation, are advised to take one year of science.

11. The Commercial Department has all necessary appliances, and offers thorough instruction in all the branches taken in the best commercial colleges. At present the school has thirty typewriters of the highest grade.

12. MILITARY DRILL

Voluntary in the Eleventh Grade, Junior and Senior years but compulsory and without uniforms in the Tenth Grade. One-half diploma credit per year is allowed for this work.

REGULATIONS

OMISSION OF STUDIES

No pupil of any school shall be excused from any study of exercise of the regular course, until special permission has been granted by the Superintendent of Schools.

TARDINESS AND ABSENCE

For tardiness and absence, the teacher shall require a written excuse from the parent or guardian.

ABSENT THREE HALF-DAYS

If a scholar is absent three half-days in any month, the teacher may require the excuse to be signed by the Superintendent of Schools.

ABSENT FIVE HALF-DAYS

A scholar who is absent from school five consecutive half-days or from examination, without a good excuse, withdraws from the school, cannot be admitted to his class until he has obtained a written permission from the Superintendent of Schools and made up the lost lessons to the satisfaction of the teacher.

ADMISSION AFTER SUSPENSION

A scholar, temporarily dismissed by the teacher for insubordination, may be forbidden to return to the school without written consent of the Superintendent of Schools.

For any act of marked disobedience or contempt the Superintendent shall require such consent to be signed by a majority of the Committee.

SESSIONS

There shall be one session of the High School each week day of the term, except Saturday, continuing from 8 A. M. until 12.45 P. M.

High School Athletics

ELIGIBILITY

This school is a member of the State League of Secondary Schools and is governed by the eligibility rules of the Maine Interscholastic Council.

CONSTITUTION OF ATHLETIC COUNCIL OF BANGOR HIGH SCHOOL

ARTICLE I

NAME

The name of this Body shall be "The Athletic Council of Bangor High School.

ARTICLE II

PURPOSE

The purpose of this Body shall be:

1. To promote the various branches of Athletics and to supervise and direct the same.

2. To see that the various athletic contests are arranged and conducted for the best interests of the School.

3. To represent the Faculty, Alumni and Student interests in the active supervision of Athletics in Bangor High School.

The Athletic Council shall at all times be subject to the control of, and shall be responsible for its acts to the Superintending School Committee of Bangor. Subject to such control by the School Committee, the Athletic Council shall have full jurisdiction over all matters relating to, or in any way connected with the Athletic interests of the Bangor High School.

ARTICLE III

MEMBERS

The Athletic Council shall consist of nine (9) members, as follows:

Three (3) members of the Faculty.

Three (3) members of the Alumni or former students.

Three (3) members of the Student Body.

ARTICLE IV

ELECTION OF MEMBERS

The Faculty members of the Council shall be the Principal of the School, the Physical Director and one other member elected by the Faculty. The Alumni members of the Council shall be elected by the School Committee except that in the event of an active Alumni Association of the School being formed, such Alumni Association shall elect the Alumni members. The Student members, one from each of the three upper classes, shall be elected by their respective classes by ballot.

The Principal of the School shall be ex-officio Chairman of the Athletic Council.

The election of Alumni members shall be held at the regular meeting of the School Committee in June.

The election of Student and Faculty members of the Athletic Council shall be held annually during the week in June following the first Monday at the close of the school year and all members shall hold office until their successors are elected.

ARTICLE V

JURISDICTION AND DUTIES

Section 1. This Body shall have full jurisdiction over all matters relating to or in any way connected with the Athletic interests of Bangor High School, including the power to declare a vacancy in the office of Manager or Captain of any team whenever in the judgment of this Body the administration thereof is contrary to the Athletic interests of the school.

Section 2. It shall be the duty of this Body immediately subsequent to its election, to organize and elect a member of the Faculty of the School, who may or may not be a member of this Body, as Secretary and Treasurer, and the said Secretary and Treasurer shall act as custodian of all records and other property belonging to or in any way connected with each Athletic department, and the said Secretary and Treasurer shall hold subject to the direction of this Body, all original estimates and reports laid before it by each manager during the period of his management, together with all Books of Record and all funds remaining as balance to the credit of each Athletic department at the end of its respective season. It shall be the duty of the Secretary and Treasurer to pay all properly con-

tracted and approved bills of the several athletic departments and to supervise all advertising and printing of aforesaid departments. The Athletic Council shall make a written report to the School Committee in June each year, including therein the Secretary and Treasurer's report for the year. All original estimates and reports, together with a statement of the finances of the different departments shall be on file in the office of the Secretary and Treasurer and at all times accessible to members of this Body and the Superintending School Committee. It shall be the duty of the Secretary and Treasurer of this Body to call meetings thereof at any time upon request of any member.

Section 3. It shall be the duty of this Body immediately subsequent to its organization to elect an Auditing Committee consisting of one Faculty member, one Alumni member and one Student member whose duty it shall be to audit the books of the Secretary and Treasurer and report before the first Monday in June.

Section 4. It shall be the duty of this Body to keep fully advised at all times of the exact financial conditions of the several Athletic departments and for this purpose it shall have the power to require the Secretary and Treasurer to submit a statement of the finances of the several departments at any time. And it shall further be the duty of this Body to withhold from any manager permission to engage in any game or contest whenever in the judgment of this Body the conditions warrant such action.

Section 5. It shall be the duty of this Body to publish over the signature of its Treasurer in that issue of the Bangor High School Oracle next subsequent to the close of each Athletic season a statement of the financial conditions of that department audited by the Auditing Committee of this Body.

Section 6. It shall be the duty of this Body to nominate from the members of the incoming Senior Class not less than two (2) candidates for Manager and from the incoming Junior Class not less than two (2) candidates for Assistant Manager, of each Athletic team from whom a choice must be made by a vote of the entire Student Body. The baseball and track managers shall be elected in October, the football managers in January and the basketball managers in June of each year.

ARTICLE VI

ELECTION OF CAPTAINS

1. The captain of the football team shall be elected by those members of the football squad who win their B's.
2. The captain of the basketball team shall be elected by those members of the basketball team who win their B's.
3. The captain of the baseball team shall be elected by those members of the baseball team who win their B's.
4. The captain of the track team shall be elected by those members of the track team who win their B's.
5. The election of the captains of the various teams shall be held at the High School Building. The Physical Director shall call and preside over the same. Seven days' notice in writing shall be given. This election shall be held not later than thirty (30) days after the close of each season.

ARTICLE VII

AWARDING OF LETTERS

Any member of the school who has participated in parts of three or two entire games of football or in parts of four or three entire and regularly scheduled games of baseball; or in parts of four or three entire and regularly scheduled games of basketball; or who has won a point in the Bowdoin or Maine Invitation Track Meet shall be entitled to the "B" of the Bangor High School. The Manager of each team shall be awarded a manager's "B."

No entertainment, athletic schedule, or other event in which the school may participate shall be given until information concerning the same is furnished the Committee and approval obtained.

Report of Principal of the High School

Mr. D. Lyman Wormwood, Superintendent of Schools.

Dear Sir:

I herewith submit my second annual report of the condition and needs of Bangor High School. In spite of epidemics of grippe and measles and the enlistment of many boys in United States and farm service, the average attendance this year exceeds that of last by more than ten per cent. There have been some additions to the teaching force and some changes since the last report. Mrs. Hunt, Miss Patch, and Messrs. Grant, Dearborn, and O'Neil have been added during the year, while Miss Harrigan and Miss Mahaney were elected to the positions vacated by Miss Harvey and Miss Phelps. All have done painstaking, conscientious work.

Present indications point to an increased enrollment next year. Our building will be taxed to its capacity and it will be necessary to have some classes recite in the large study rooms—an unfortunate condition. During the past year every recitation room has been in constant use and we have been obliged to have recitations in the Library and the office of the School Agent some periods each day. The crowded condition of our Manual Training classes makes it imperative that the room heretofore used by the lower grades be given over to High School classes in the forenoon. Some place must also be found for the classes in free-hand drawing that will start in the fall.

Some changes have been made in the course of study. Ancient history is required of all Classical and Scientific pupils throughout the first year, Modern history is required of Commercial pupils one half of the second year in place of stenography which is now commenced in the third year. Senior Classics now have an opportunity to elect a review of plane geometry and algebra instead of solid geometry and trigonometry. Many have availed themselves of this privilege. Some attempt has been made this year to group pupils in divisions according to ability. The plan has proved its worth and will be expanded and continued in more subjects next year. Another successful experiment has been the formation of divisions in algebra to repeat the work with pupils who have failed in any quarter. Many pupils have thus been saved for promotion who would otherwise have been retarded. The burden of these changes falls on the department system instituted last year, which continues to work well and which is responsible in no small degree for the excellent results obtained this year.

Our Commercial department in size and curriculum is almost a High School of Commerce in itself. Through the cooperation of different departments, much has been done to make all the studies in this course, whether strictly commercial subjects or not, adapt themselves to actual business needs. The English taught is Business English, the arithmetic consists chiefly of practical calculation drills which, together with the penmanship and spelling afford a good foundation for bookkeeping and office practice. In commercial geography, an excellent working laboratory has been started by Miss Ware. I recommend that proper filing facilities be installed to make this valuable material more available to the pupils. Courses in economic history and Spanish should be introduced in the near future. These, with

some advanced work in pedagogy, accounting, auditing, and law, would enable us to offer an extra Normal year and satisfy the growing demands of the smaller school of our State for well equipped commercial teachers.

It is natural that a desire for military instruction should be greatly stimulated by the present world situation, and we find our young men more interested than ever in this subject. We are basing our course in military drill on the lines of the Wyoming plan devised by Capt. Steever of the U. S. Army. Rifles and ammunition have been obtained from the Government for the use of the uniformed company of seventy boys. Target practice has been hampered by the cold, wet weather which has prevented our getting on the range except on one or two occasions. We have been glad to lend our rifles and gymnasium to the R. O. T. C. for drill purposes and are indebted to them for the gift of rifle slings. A military drill and ball showed the public something of what we have accomplished and furnished us with funds to buy cartridge belts and other necessary equipment. The cadets have acted as escorts on many occasions and furnished a color guard for the flag salute at the morning assembly.

The Oracle completed its 25th year and holds an enviable position among the school papers of the United States. Our orchestra is undoubtedly one of the finest school musical organizations in New England. In addition to many public appearances, it has furnished music for the Wednesday morning assembly throughout the year. Mr. O'Neil, of the faculty, has organized a band of thirty pieces which plays for the Friday assembly and has also been in great demand for patriotic parades and flag raisings. Athletics have been fairly successful although no championship teams have been turned out. Especially noteworthy of mention have been the exhibitions of

the Latin and Greek departments, the Manual Training and Domestic Science departments, and that of the young ladies in drills and folk dances under Miss Lee's direction. Two German plays and the annual Senior-Junior play were finely presented. In debating, the Senate and House have done excellent work and furnished us with our teams for the Bates League and the Colby Contest. We were also worthily represented at Maine and Colby in Interscholastic Speaking Contests and in the Interscholastic Debate at Maine.

Acknowledgments are due all who have shown their interest in the school through gifts or by acting as judges of the Senior Essays and at the different rhetorical and debating exercises. I would also express my thanks to teachers and pupils for their hearty cooperation and to you and the members of the School Board for generous help on many occasions.

Respectfully submitted,

HAL R. EATON,
Principal Bangor High School.

Report from the Abraham Lincoln School

Mr. D. Lyman Wormwood, Superintendent of Schools:

The total enrollment has varied little from that of last year, but due to a large sixth grade coming from four rooms into our three seventh grade rooms, the latter have been overcrowded. There has been little opportunity to do individual work or to wait for slower thinkers during the recitations. The teachers have made their best efforts to accomplish the required amount of work and considering the conditions, the results have been satisfactory.

Of the pupils undertaking advanced work, those from the eighth grade have done far better than we anticipated and are as well prepared for the High School as the average ninth grade pupils; those from the seventh have completed more than half of the three years work; while those from the sixth, the regular plan of the future, have accomplished the work outlined, easily. This year, the arrangement has given the teachers additional work, but should not in the future when once well established.

The work of the school as a whole has been good. The attendance, except for a few individual cases has been satisfactory. Considering the large number of pupils confined to a few rooms within one building, the amount of sickness has been very little.

Outside of the usual number of books to be replaced during the summer vacation, the introduction of the last book of the

Gulick Series on Hygiene in the advanced eighth grade, and a few more wall maps, the present equipment meets the needs.

Besides any repairs asked for last year which have not yet been made, we would call attention to the grading of the back yard to dispose of surface water, joining the fence at the front to the stone work of the building to prevent damage to the banking, refinishing the outside of the entrance doors for both appearance and preservation, and removing the flag pole from the top of the building.

We thank you, Mr. Wormwood, for your sympathetic interest and loyal support in our work.

Respectfully submitted,

HERBERT POOLE, Principal.

Report of the Hannibal Hamlin School

Mr. D. Lyman Wormwood, Superintendent of Schools:

Dear Sir:—I hereby submit a report of the Hamlin School for the year ending June, 1917.

The year has been very satisfactory. The attendance has been excellent and the effort on the part of both pupils and teachers has been of the very best.

The plan, which we tried for the first time, of giving pupils, who cared to, an opportunity of advancing beyond the regular work of the grade, was heartily approved by pupils, parents and teachers and the results have fully equaled, if not exceeded our expectations.

I believe this plan has made harder work for the teachers but I also feel that the pleasure derived from working with the fast divisions and the satisfaction of knowing how much time we have helped the pupils to gain has partly, if not fully, compensated for the increase in work.

This year, the grades, as far as through the Seventh, were divided into a fast and a regular division, both under the care of one teacher. Her work was to complete the work of the grade with the regular division, and with the faster group to go beyond that into the work of the next grade.

This plan was altered slightly in the Eighth. On finding that there were only enough pupils, eager to try the extra work, to fill one room, this was done, and the vast amount of work accomplished by this group makes us believe that this is the ideal way to carry out the plan for advanced work.

The work for the coming year will be arranged on this latter plan as far forth as possible as we think, by this plan—placing groups of different ability in different rooms—the teachers can accomplish more and that both the fast and the regular divisions will derive greater benefits from the arrangement.

A much needed change has been made in the boys' basement and the sanitary condition of that side of the building has been wonderfully improved. We hope to see still further changes before the fall term opens.

As the needed repairs have already been brought to your attention, I will not mention them here.

I wish to express my gratitude to all the teachers for their hearty cooperation during the year and I thank you for the many kindly suggestions offered that have helped in the work.

Respectfully submitted,

CHAS. P. ALLEN, Principal.

Report of Supervisor of Kindergartens

Bangor, Maine, June 15, 1917.

Mr. D. Lyman Wormwood, Superintendent of Schools:

Dear Sir:—

I beg leave to submit a report on the work of the department under my supervision for the school year ending June 15, 1917.

During the last part of the year we were disturbed by an unusually heavy epidemic of measles, which naturally lowered the daily average attendance for that particular period and hindered the accomplishment of some of the work planned for, but upon the whole I report a satisfactory year.

At the beginning of the spring term we met with a regrettable loss in the resignation of Miss Gladys A. Totman, which vacancy, you are aware, still remains unfilled.

At one of the kindergarten meetings recently held in Boston, Dr. Dyer, superintendent of schools, spoke of the kindergarten as the institution which tries to meet the needs of the four to six year old child in the daily work of the kindergarten room, to reach back to the home making it a greater power in the life of the child and forward to the school, carrying over into it some of the materials, play and freedom of the kindergarten.

It has always been our aim to meet the needs of the little child, as we understand them, and in order to do it better each year, we try to get a clearer idea of his point of view through daily observation of him in the kindergarten room. To keep

certain points in mind for a certain length of time, then report upon them, was one method used this year with the assistants, who are the younger teachers. We have also tried to get the child's point of view through reading studies of child nature written by those more experienced than we. For our own good and the children's indirectly, we have read one book of biography or autobiography this year not to gain information but to learn what courage and patience and understanding can do in the face of difficulties, sometimes discouragements, and also to get inspiration through recorded efforts for better things. From a list of twenty-four different books read by the teachers of the department I select the following to illustrate the type of book read or reread. "A Study of Child Nature," "As the Twig is Bent." "Montessori Children," "Beckonings from Little Hands," "Up from Slavery," "Life of Alice Freeman Palmer," "Life and Letters of John Hay" and our educational magazines.

It has long been our aim to reach back into the home. In this I believe we have been successful this year to a considerable degree. The following list of subjects and speakers gives some idea of the work carried on through meeting the mothers in the lecture room of the high school month by month from October to May; "Social Evils Surrounding our Children," Arthur L. Thayer, Attorney-at-Law; "Children's Diseases", Blanche M. Mansfield, M. D.; Christmas Pageant illustrating the Bible Story by kindergarten children; "How to Make our Girls Useful as Well as Ornamental," Miss Helen C. Welch; "Studies in Heredity and Environment," Dr. Frederick L. Hills; "Children's Books," Grace E. Bolton; "The Diet of School Children," Miss Marion C. Ricker; "National and Folk Songs" illustrated by the victrola, Miss Amanda Wilson. The name of one mother among the 1069 who have attended these meetings should be placed upon a roll of honor. For a period of four

or five years she has missed only one meeting, that absence due to a failure to receive the notice until the day had passed. Her interest has continued beyond the years of her representation in the kindergarten because, as she expresses it, "I always learn something." Another mother means never to make an engagement for the day of the mother's meeting. Two meetings have been held in most of the kindergarten rooms during the year with an attendance of 173. Every home in the department has been visited twice and nearly every one three times during the year making a total of 831 calls made. In addition to this 389 children have been looked up. Surely I have some reason for the belief that the kindergartens of Bangor are trying to reach back to influence the home.

In past years we have tried to reach forward to the primary school. We have the satisfaction of knowing that a greater effort has been made this year than ever before and that the hand laid upon the plow will not turn back. For years a most friendly sympathy has existed, the grade teachers welcoming the kindergarten trained child. Some teachers have even gone to the home to urge parents to send a child to kindergarten or to persuade one who had decided that his boy or girl was old enough for school to reconsider. The best thing done along the line of a forward look was the meeting together of the teachers of the first two grades and the kindergarten supervisor at the close of school the last Monday in May to talk over ways and means by which the kindergarten and the grades can work together more intimately. The advisability of asking the superintending school committee to do away with the sub-primary was one of the questions under discussion. All seemed to voice the sentiment of those who spoke for it. I believe it can be done. When the question was raised relative to the possible need of the child beginning primary reading at

mid-year of the second kindergarten year, should such a change take place, some said it was not necessary. One teacher has since sent me a written statement of her belief, namely, that the kindergarten does so much for the child which the grade teacher formerly had to do herself that she considers the present contribution of the kindergarten sufficient. You need not be surprised to hear more about this matter another year.

The contribution of the Bangor kindergartens toward the passage of a kindergarten bill through the Seventy-eighth Legislature of Maine, known as "An Act Providing for Kindergartens as Part of the Common School Course," is one of the most important contributions ever made by the department. That bill is being followed by an effort to secure the establishment of a kindergarten department in one of the normal schools of the state, with a course of study so intimately linked to that of the primary work that the kindergarten student shall spend some time in training for the first year's grade and the student in grade training shall spend an equal amount of time in training for the kindergarten.

We, the teachers, have tried to serve the city and the state during the year now ended. The crowning service of the year however, was the one rendered us when you and the school board allowed us to attend the annual International Kindergarten Union convention held in Boston this year. From May 7-11 twelve of us enjoyed a feast of reason and flow of good fellowship and inspiration that will reflect upon the work of the kindergartens for months to come. We looked into the faces of educators familiar to us through the printed page of book and magazine—we became a part of that great body of women whose outlook upon life is broad and we came home anxious to put into practice some of the many points suggested. We returned with two banners conferred upon us by the Union for

best attendance and for the unique feature of the convention. For a complete report of these days, and the valuable suggestions secured at that time, you are referred to the report recently submitted to you and the school board.

We have tried to give unceasingly of our time and training both at home and in the state. In many ways not mentioned we have responded to calls from away. If it has seemed to you, at times, that permission to respond to a call has come too often please recall the fact that the light that throws its rays to the remote part shines very brightly at home.

Pledging the allegiance of the department to the schools of Bangor for the year to come, I respectfully submit the above report.

NELLIE. E. BROWN,
Supervisor of Kindergartens.

Report of Manual Training Department

Bangor, Maine, June 15, 1917.

To Mr. Wormwood, Superintendent of Schools:

Dear Sir:

I herewith submit my annual report as Director of Manual Training and Mechanical Drawing. The work for the past year has been carried out according to the schedule accompanying this report.

The work in the wood-working classes has been greatly handicapped because of the crowded conditions. The high school classes were especially large; where there ought to have been only eighteen (18) in each class there were twenty-seven (27), twenty-nine (29) and thirty-two (32). Again there ought not to be more than sixteen (16) in the grade classes and in most cases there were from twenty-two (22) to twenty-eight (28). Of course, pupils in these large classes do get some instruction but very little of what they really ought to receive.

The machine shop or iron work has been advanced further this year and some work along a productive line has been introduced. The first part of the year was taken wholly in teaching as many different phases of the work as possible and then having bought the castings for an eight inch polishing lathe, these were machined by the students.

More has been accomplished in mechanical drawing than in previous years, especially with the tenth grade because of the change in the method of teaching the subject as you will note by the schedule. The eleventh grade drawing has been taught with the idea that the student might earn his living or that the same can be used as part of the college entrance requirements.

Aside from what I have already said I need to say but little more about reducing the size of the classes. If this cannot be done in any other way I would suggest that the students be given one-third for shop work and two-thirds for mechanical drawing instead of one-half for each.

For new equipment there ought to be ten (10) new desks for the drawing room, a band-saw, a machine planer, a shaper and a universal grinder. The desks ought to be bought this year but I would not advise buying the machines this year because of the advance in the cost of all machinery.

The motor that drives the machines in the machine shop ought to be taken off the ceiling and put on the floor or a wall stand. The reason for moving this motor is because the vibration of the motor shakes the desks in the drawing room.

In closing I wish to thank my assistants for their hearty support and helpful suggestions, also the principals of the grammar schools and the high school. I wish especially to thank you and the Superintending School Committee for your support and the promptness in furnishing supplies.

Respectfully yours,

BENJAMIN C. KENT, Director.

OUTLINE FOR MANUAL TRAINING

GRADE VI

1. Talk—shop conduct, etc. Care of tools. What we expect to do.
2. Talk—Kinds of wood (hard, soft, trees of each, grain, sapwood, heart wood).

Operation	Exercise	New Tools	Optional Exercise
3. Measurement	Measure Bench	Rule	Chair
4. Squaring Corners	Try Corners of Bench or Block	Try-square	
5. Whittling	Square Lines on Block Plant Tag Paper Knife	Knife	Flower Stick
6. Gauging	Gauge $\frac{1}{2}$ in. lines on block 8 x 4 x 1 (Square Knife Lines around Block of 6)	Gauge	
7. Sawing	Saw to Knife Line	Saw and Bench Hook	Saw Board to Length
8. Saw Short Curve	Picture Puzzle	Coping Saw	Small Circles
9. Planing	Parts of Kite	Jack Plane	Small Windmill
10. Assembling	Nail Kite or Windmill together	Hammer, Brads	

OUTLINE FOR MANUAL TRAINING

GRADE VII

Operation	Exercise	New Tools	Optional Exercise
1. Sawing with Grain	Slats for Plant Stand	Splitting Saw	Trellis, Dish Drainer
2. Work out Arch	Standards for Plant Stand (Talk about Sandpaper.	Chisel Sandpaper each piece).	
3. Assembling	Nail Plant Stand together	Hammer, Nails	
4. Rounding Corners and Boring	Broom Holder	Pencil Dividers Extension Bit	Necktie Holder Tooth Brush Holder
5. Assembling with Screws	Broom Holder	Gimlet Bit Countersink Screws	
6. Dado Joint	Four Blade Windmill	Chisel	

OUTLINE FOR MANUAL TRAINING

GRADE VIII

Operation	Exercise	New Tools	Optional Exercise
1. Box Construction	Glove Box	Hand Screws Clamps Glue	Medicine Cabinet
2. Making Taper	Towel Rack	Spoke Shave	Pant Hanger
3. Making Duplicate Parts	Magazine Rack	Block Plane	
4. Shellacing	(Shellac Glove Box and Magazine Rack). (Stain may be substituted for Shellac).		
5. Half Lap Joint	Short Leg Jardinere Stand		

OUTLINE FOR MANUAL TRAINING

GRADE IX

Operation	Exercise	New Tools	Optional Exercise
1. Edge Gluing	Bread Board Wind Sticks	Bit Gauge Screen Clamps	Paper File
2. Finish with oil	Finish Ex. 1	Linseed Oil and Dryer	
3. Application of Half-Lap and Dado Joints	Jardinere Stand Fern Stand Magazine Rack		Small Table
4. Tongue and Groove Joint	Book Rack	Universal Plane	
5. Finishing	(Finish the work done with Shellac, stain, or according to the boy's plans).		
6. Each Student is given choice of small article such as Suit Hanger, Waste Paper Basket, Fern Stand, Mirror Frame.			

OUTLINE FOR MANUAL TRAINING

GRADE X

Operation	Exercise	New Tools	Optional Exercise
1. Lockers were made and put under the benches to keep students' work and overalls in.			
2. Blind Mortise and Tenon Joint	Framework Small Stool	Circular Saw (Power)	Dining Chair
3. Caning	Putting Cane Seat into Stool or Chair	Spacing Dividers	Repair Chair with Cane Seat
4. Finishing	Staining and Shellacing and rubbing down, and principle of finishing explained.		
5. Furniture Making	Piece of Furniture made such as Desk, Telephone Stand, Piano Bench, Screen, Book Case, etc.		
I. Turning between Centers	Exercise from Drawing	Turning Lathe, Gouge Skew Chisel, Cutting off Tool, Calipers	
II. Turning Shapes	Handles (Chisels) Knobs, Mallets	Small Gouge Small Skew Chisel	
III. Turning on Screw Plate or across Grain	Pin Tray, Bowl, Plate	Round Nose Parting Tool	
IV. Chucking and Re-chucking	Ring Stand and Jewel Tray	Special Tools	
V. Work such as Bats, Indian Clubs, Dumb Bells, Table Legs, etc., to supplement No. 5 or as part of it.			

OUTLINE FOR MANUAL TRAINING

GRADE XI

Operation	Exercise	New Tools
1. Chipping, Surface Filing, Surface Gauging	Base for Paper File	Cold Chisel, Machinist's Hammer Iron Vise, Hand Files, Scale, Square Surface Gauge, Scratch Awl
2. Filing Angles	Champfer Base of Paper File	Angle Gauge
3. Drilling, Cutting Thread in Hole	Drill and Tap Thread in Base of Paper File	Drill Press, Drills, Tap and Wrench
4. Draw Filing	Spindle for Paper File	
5. Cutting Thread on Outside	Cut Thread on Spindle of Paper File	Thread Dies
6. Setting Lathe on Centers	Demonstration of Lathe Parts, Work and Setting Lathe on Center. Care of Lathe.	
7. Turning Between Centers	Exercise from Drawing	Lathe (Engine) Tools, Micrometer Calipers, Combination Drill and Countersink, Lathe Dogs
8. Polishing	Polish Exercise 7	Mill Files, Emery Cloth
9. Turning Taper	Exercise from Drawing	Taper Gauge
10. Hardening and Grinding	$\frac{1}{2}$ in. Mandrel—.001+.002	Forge, Grinder
11. Turning to Size and Cutting Thread	Bolt and Nut	Threading Tool, Threading Tool Gauge
12. Cutting Hex Head	Cut Head on Bolt and nut of Ex. 11	Milling Machine and Cutters
13. Knurling	Knurl Handle of Plug Gauge 1.0001 inch	Knurling Tool
14. Boring on Lathe	Flange Coupling, Small Pulley, Gear Blank	Centering Tool
15. Scraping and Polishing	Finish Ex. 14	Scraper, Emery Dust
16. The Castings of an eight inch for Lathe were made from Stock.	Polishing Lathe were bought and the Students Finished them.	All Steel Parts

OUTLINE FOR MECHANICAL DRAWING

GRADE X

Plate I	Lettering, showing size, stroke and space. Vertical Gothic used.
Plate II	Lettering copying notes on lettering, spacing letters in words and spacing the words.
Plate III	Exercise, showing use of T square, triangles, scale, dividers, ruling pen and inking.
Plate IV	Exercise, review of Plate III and use of compass, bow pen and bow dividers and all other instruments.
Plate V	Geometrical problems. Bisecting lines and angles, erecting Perpendiculars.
Plate VI	Geometrical problems. Constructing angles, triangles and tangents.
Plate VII	Geometrical problems. Constructing circles, inscribing circles in triangles (and circumscribing)
Plate VIII	Geometrical problems. Constructing polygons.
Plate IX	Copy a drawing of a machine. Use of Dimension Lines.
Plate X	Copy a drawing of a machine. Trace and make blue-print.
Plate XI	Machine Drawing—Dimension Lines.
Plate XII	Orthographic projections. Two views given to draw the third. Using projection lines. All work in third quadrant.
Plate XIII	Orthographic projections. One view given with other dimensions to draw the other two views. Projection lines used.
Plate XIV	Orthographic projections. Dimensions and position of object given to draw the three views. Projection lines omitted.
Plate XV	Orthographic projections. Dimension and position of object given to draw three views. Projection lines omitted.
Plate XVI	Orthographic projections. Object at an angle to the V plane.
Plate XVII	Orthographic projections. Use of the auxilliary plane.
Plate XVIII	Orthographic projections. Section through an object. Shaft Coupling.
Plate XIX	Machine sketching and drawing to scale.
Plate XX	Machine sketching and drawing to scale.

OUTLINE FOR MECHANICAL DRAWING

GRADE XI

Plate I	Problem. Generating curve of a helix as a thread.
Plate II	Drawing showing conventional methods of representing square and V threads.
Plate III	Drawing showing formula used to figure head and nut of bolt from the diameter of bolt. Hex head and nut.
Plate IV	Copying a drawing of a simple machine and special stress laid upon dimensioning and title with notes.
Plate V	Draw free hand sketch of monkey wrench, take all measurements and make full sized drawing with dimensions.
Plate VI	Make a tracing of Plate V on tracing cloth and blueprint.
Plate VII	Draw free hand sketch of some part of speed or engine lathe and make detailed drawing with suitable title and all necessary notes for its manufacture. The same part not given to two students of the same division.
Plate VIII	Without the aid of Plate VII make an assembly drawing.
Plate IX	Make tracing of Plate VII on tracing paper and blueprint.
Plate X	Make tracing of Plate VIII and blueprint.
Plate XI	Draw free hand sketch of large piece of machinery and make the working drawing to some convenient scale.
Plate XII	Make tracing of Plate XI and blueprint.
Plate XIII	Development of the surface of a prism (triangular and square) and cylinder.
Plate XIV	Development of the surface of a pyramid (square and hexagonal).
Plate XV	Development of the surface of a frustum of an oblique pyramid.
Plate XVI	Intersecting surfaces. Develop and find curve of intersection.
Plate XVII	Machine drawing—steam engine parts.
Plate XVIII	Machine drawing—steam engine parts.

Report of Domestic Science Department

Bangor, Me., June 16, 1917.

Mr. D. Lyman Wormwood, Superintendent of Schools:

Dear Sir:—I herewith submit my annual report as Supervisor of Domestic Science.

There were two hundred and thirty-six children who received lessons in cookery once a week during the school year. The number of students in the high school classes has greatly increased, and no doubt next year there will be a still larger number.

It would be a great advantage both to the high school and the grade classes, if it could be possible to have a room equipped for sewing in both the Abraham Lincoln and the Hannibal Hamlin schools. Much time would be saved for the grades, and the sewing room, which they now occupy, could be used and is really needed for high school classes.

Owing to the increase in price of food materials, it was deemed advisable this year, to eliminate some of the school luncheons which are given by the different classes. Two classes combined gave one luncheon, thereby only half as many were given as in the preceding year.

One hundred and twenty dozen eggs have been put in preservative material, for use in the department next year, also, canned vegetables and fruits, that will be used in place of buying canned goods. This work was put into the regular course after the cold-pack method of canning was introduced here this spring, so that all of the girls have had an opportunity to learn that method, which is considered to be the more certain way of keeping products.

I wish to call your attention to the splendid manner, in which my assistants have cooperated with me in carrying out the work in the outlines which follow.

I wish also, to express my appreciation for the support given me by the teachers and principals of the different schools, and to thank you, for the help you have so generously given me during my first year as Supervisor of Domestic Science.

Respectfully submitted,

ETHEL E. HARRIGAN,
Supervisor.

OUTLINE DOMESTIC SCIENCE

SEWING

GRADE VI

PRACTICE UNEVEN BASTING:
Directly applied on the first
problem, a sewing bag.

PRACTICE OVERCASTING:
Directly applied

PRACTICE BACK-STITCHING:
Directly applied

PRACTICE TURNING HEM
AND EVEN BASTING:
Directly applied.

PRACTICE HEMMING:
Directly applied

PRACTICE RUNNING:
Directly applied.

As each new stitch is taken up, after the child has tried it just on a piece of cloth, she sews right on the problem.

SECOND PROBLEM

SEWING APRON

PRACTICE GATHERING:
Directly applied

PRACTICE OVERHANDING:
Directly applied.

THIRD PROBLEM

PINAFORE APRON

Directions for holding needles, wearing thimbles, use of scissors, tying knots in thread, etc., are given at the beginning of the year. Particular attention given to proper position of the child while sewing. Tables turned so that light comes from the left of the child. If child finishes problems offered, instruction is given in use of sewing machine.

GRADE VII

PRACTICE FRENCH SEAM:

Directly applied on first problem.

CORSET COVER OR PRINCESS SLIP:

Practice Plackets.

Directly applied on Petticoat.

Pajamas

Kimono Apron

Practice Button Holes and Sewing on Buttons

Machine Instruction.

CORRECT POSITION OF CHILD:

To operate the treadle

To thread

Winding and replacing bobbin

To regulate tension

To remove work

Use of Hemmer

Use of Tucker

To stitch

GRADE VIII

PROBLEMS:

Kimono Apron or Nightdress

Kimono

Petticoat

Middy Blouse

Simple Dress

PRACTICE FELLED SEAM:

Application on cooking apron, cooking cap

Hemmed patch directly applied if possible

Darning

Economy and care of clothing

OUTLINE COOKERY

GRADE IX

THEORY:

1. Kitchen Rules, Method in Dish Washing, cooking utensils, baking pans, dish pans, towels, ovens, use and care.

2. Food Principles

The Range

Care of pans under burners
Economy in expenditure of gas.

3. *Beverages:*

The desirability of omitting tea and coffee from the diet; danger in boiling or long steeping of tea. Danger in long boiling of coffee. Study tea, coffee, cocoa.

PRACTICE:

List and care of equipment
Prepare Baked Apple. Place of fruit in diet.

Prepare Oatmeal. Place of cereals in diet

Making of tea, coffee, or chocolate. Toast. Proper methods. Do not allow tea or coffee to be drunk in class.

OUTLINE COOKERY

GRADE IX

THEORY:

4. *Fruits:*

Composition; food value; digestibility; cost; serving fruit; place in diet; preservation of Foods.

Ice Box

How Constructed

PRACTICE:

Stewed fruits, stewed prunes, or apple sauce.

THEORY:

PRACTICE:

How cleaned

Dangers

Advantages

5. *Vegetables:*

Understanding of theory of vegetable cell and starch granules; cellulose importance as a food; its indigestibility; its minimum intake. One classification of vegetables.

General for cooking

White sauce, clear understanding of its behavior, as an introduction to batters.

6. Contrast method of cooking strong and sweet juice vegetables.

7. *Vegetable Soup:*

Classification of Cream Soups; place in diet; food values; serving of cream soups.

8. Review and Written Lesson

9. *Starch:*

Experiments showing sources; starch; tests for starch; sources, digestibility; appearance, food value; agents used for thickening.

Experiments to show starch and cellulose. Prepare one sweet juice vegetable. Make white sauce.

Prepare two strong juice vegetables

Make one cream soup and one puree. Serve with crisp crackers.

Prepare at least two corn starch desserts.

THEORY:

PRACTICE:

10. *Sugar*:
Sources and nature of sugar; food values; kinds; products of sugar cane; test for syrups. Make one candy.
11. *Scalloped Dishes*:
Uses for stale bread. Preparation of one scalloped vegetable and one dessert.
12. *Milk*:
Composition; its value as a food; necessity of clean milk; care of baby's milk. A home made milk box. Pasteurized milk. Speak of city milk supply. Cottage cheese and Junket.
13. *Butter*:
Understanding of what butter really is. Value of substitutes; tax on oleomargarine; coloring; salting. Making of butter in a bowl or large-mouthed jar.
14. *Cheese*:
Composition; food value; manufacture; as a substitute for meat; method of preparation; kinds. Preparation of macaroni, rice or potatoes with cheese.
15. *Eggs*:
Food value; composition; preservation; method of inspection; household tests for fresh eggs; indigestibility of badly cooked eggs; experiments to show the effect of heat on albumen. Prepare eggs cooked in water and directly over fire.

THEORY:

PRACTICE:

16. *Milk and Egg Combination:*

The economy of the combination and the good value; the economy of cooking in a proper way, making a maximum of digestibility possible.

Prepare one baked and one boiled custard.

17. *Meat:*

Study cuts and uses of meat from charts. Have pupils draw an illustration of Boston cuts.

18. *Meat—Continued*

Meat, the muscle of the animal General structure of muscle; muscle juice. Connective tissue. Tough and tender meats Cheap and costly cuts.

Prepare Lamb Chops and Hamberger Steak.

19.

A Visit to Armour's or Swift's.

20. *Gelatin:*

Sources, food value; important facts about gelatin. General directions for making gelatin jellies, the preparation of gelatin from gelatin.

The preparation of one gelatin dessert.

21. *Fish:*

General composition. Food value; classification; compare with meat in regard to digestibility and food value; cost; preparation. How to tell fresh fish.

Prepare Fish Chowder.

22. *Fish—Continued:*

Prepare left-over fish in two ways.

THEORY:

PRACTICE:

23. *Flour Mixtures:*
Theory of Batters and Doughs; Baking Powders—their composition; uses, generation of carbon dioxide gas. Experiments with acids and an alkali to show formation of CO_2 gas. Prepare Sweet and Sour Milk Griddles.
24. *Flour:*
Test flour for starch and gluten; manufacture of flour; kinds; value of bran; test for oven; table for baking Batters and Doughs. Prepare Muffins.
25. *Soft Doughs:*
Classification of Doughs. Review Batters and compare with Doughs. Prepare Baking Powder Biscuits. Sour Milk Biscuits.
26. *Yeast Bread:*
Review flour; Experiments with yeast. Preparation of Raised Rolls,
27. *Breads—Continued:*
Yeast; its sources; kinds; growth; fermentation. Preparation of rye or entire Wheat Bread.
28. *Invalid Cookery:*
Diets; Attractiveness of service; make out three diets for one day. Preparation of tray for an invalid.
29. *Home Nursing:*
Care of sick room; care of patient. First aid to the injured. Household Sanitation. Disinfectants.

THEORY:

PRACTICE:

30. *Cakes:*

Tests for Ovens.
Method of making Butter Cakes.
Cakes without butter; means of leavening.

Preparation of a simple Cake.

31. *Salads:*

The value of salads in keeping the blood in good condition; Care of salads and washing for table. Combinations; attractiveness to eye; Food value.

Preparation of two salads using French and boiled dressing.

32. *Frozen Desserts:*

Classification; food value; proportion ice and salt; adjustment of freezer; care after freezing.

Prepare two ices.

33. *Housekeeping:*

The amount of skill and executive ability necessary to conduct a house well. Profit in foresight and careful buying and proper cooking. Healthfulness resultant from cleanliness.

Sweeping, cleaning, dusting, Care of woolen, furs, liveries, Dangers of vermin; disinfection.

34. *Table Setting and Serving:*

Method and precision.
Immaculateness of linen.
Brightness of silver and glass.
Noiseless serving.
Deftness in handling dishes.

THEORY:

PRACTICE:

35. Preparation and serving
of a breakfast and luncheon
36. by the girls.

OUTLINE COOKERY

GRADE X

1. Care of equipment, gas range, supply table, etc.
2. Classification of foods; elements and compounds, etc.
3. Baked bananas, stewed prunes, spiced apple sauce.
4. Tea, coffee, cocoa. Outside references on all three.
5. Recitation—Notes on fresh and dried fruits.
6. Potatoes—Mashed, creamed, delmonico, baked in half shell.
7. Creamed carrots and peas in croustades, scalloped tomatoes, and cabbage.
8. Vegetable notes—classes, food value, structure, starch shells, drawing, study of the potato as a type of starchy vegetable.
9. Cream soups, purees, bisques.
10. Recitations.
11. Experiments with starch with drawing of different starch grains, Notes on starch:
12. Tapioca cream, and apple tapioca.
13. Notes on cereals.
14. Prepare three breakfast cereals; with and without fruits.
15. Rice as vegetable and dessert.
16. Italian pastes.

17. Sugar—Little theory. Christmas candy.
18. Notes on milk.
19. Prepare junkets.
20. Visit Mr. Lewis' Dairy.
21. Visit Ayredale.
22. Butter and cheese.
23. Notes on Butter and Cheese.
24. Cheese fondue, souffle, etc., as meat substitutes.
25. Meat—Lecture with charts.
26. Meat—Lecture with charts.
27. Demonstration at market if possible.
28. Visit Armour's.
29. Tough and tender meats.
30. Left over meat dishes. Cottage pie, casserole of rice and meat, etc.
31. Soup stock.
32. Three soups made from soup stock.
33. Notes on fish.
34. Demonstration of baked stuffed fish.
35. Fish Chowders—Clam and white fish.
36. Oysters prepared in various ways.
37. Gelatin, notes and experiments.
38. Notes on eggs.
39. Eggs cooked in various ways.
40. Egg and milk combinations.
41. Study of flours. Test and etc.
42. Study of wheat.
43. Yeast bread—notes on baking, yeast, etc.
44. White bread.
45. Entire wheat bread.
46. Parker House rolls.
47. Notes on batters, leavening agents, etc.

48. Griddle cakes and waffles.
49. Muffins, three kinds.
50. Biscuits.
51. Gingerbread, two kinds.
52. Dropped cookies, two kinds.
53. Rolled cookies, two kinds.
54. Simple cakes and icings.
55. Simple cakes and icings.
56. Salads, and salad dressing.
57. Pastry.
58. Review of pastry.
59. Fritters and deep fat frying.
60. Cream puffs.
61. Examination and recitation.
62. Frozen desserts. Two ices.
63. Study of menus, well balanced menus, suitable combinations, etc.
64. Planning menus for definite cost. A 25c menu and a 30c menu.
65. Serving and mock serving.
66. Prepare luncheon and serve to guests.
67. Prepare luncheon and serve to guests.
68. Prepare luncheon and serve to guests.

The Sophomore Class has cookery only half of the year.
During the last half they take Hygiene and Sanitation.

OUTLINE COOKERY

GRADE XI

1. Review of food principles, etc.
2. Preservation of food. Jelly notes.
3. Organisms.
4. Canned peaches.
5. Sweet pickled pears.
6. Chow Chow.
7. Chilly sauce.
8. Apple and grape jelly.
9. Review of batters and doughs. Griddle cakes, Twin Mt. and graham muffins.
10. Popovers, waffles, cornmeal muffins.
11. Marmalade, grapefruit.
12. Ginger snaps and filled cookies.
13. Chocolate chips, and sand tarts.
14. Notes on cake and cake baking.
15. Plain and fancy cakes, boiled frosting.
16. Fancy yeast breads.
17. Plain cake—lemon pie.
18. Review of paste—apple pie.
19. Plain tarts and banbury tarts.
20. Composition and structure of meats.
21. Demonstration of cleaning, stuffing, and trussing of fowl.
22. Left over dishes of chicken.
23. Notes on sugars and experiments.
24. Fondants and fancy candy.
25. Digestion.

26. Invalid diet notes. A reference given to each girl to write and report on in class, for example: Foods suitable for the child. Personal care of the patient. What the home medicine cabinet should contain. Accidents and emergencies.

27. Invalid cookery.

28. Invalid cookery.

29. Notes on fats.

30. Deep fat frying, fritters.

31. Deep fat frying, croquettes.

32. Soap making.

33. Salad dressing—three kinds. Three salads to be used as main course, salad course, dessert.

34. Ice creams.

35. Review in laboratory work.

36. Serving—well balanced menus, etc.

The work in sewing includes; shirt waists, skirts, dresses, undergarments.

This work is supplemented by reference work in Shelter and Clothing by Kinne and Cooley.

OUTLINE COOKERY

HIGH SCHOOL

AFTERNOON CLASS—For those who are taking a Classical Course:

THEORY:

1. Kitchen Rules—dish-washing. Care of glass, silver, china, cooking utensils, pans, dish pans, towels, cloths, meshes, care and construction of range and ice box. Classification of foods.

PRACTICE:

Knowledge of equipment and arrangement.

THEORY:	PRACTICE:
2. Directions for sauteing.	Fruit: Apples sauteed.
3. Directions for cooking strong and sweet juice vegetables.	Vegetables: Mashed Potato, Creamed Turnip, White Sauce.
4. Deep fat frying rules.	Potato Croquettes.
5.	Cranberry Sauce and Jelly.
6. Kinds of Sugar Tests for Syrups.	Candy.
7. General rules for cooking cereals.	Rice as vegetables. Rice as Pudding.
8. Macaroni Food value—manufacture	Macaroni of Cheese, Macaroni of Tomato.
9. Cream Soups, Relation to White Sauce.	Cream of Tomato Soup. Croutons.
10. Composition of Meats.	Lamb Chops, Hamburg Steak.
11. Composition of Fish. Substitute for meat. How to tell Fresh Fish.	Boiled Halibut, Egg Sauce.
12.	Fish Chowder.
13. Beverages Consideration of Coffee and Tea. Stimulating effect. Effect of long boiling of Coffee and long steeping of tea.	Preparation of coffee or tea, cocoa and toast.
14. Batters and Doughs. Classification, Baking Powder, Gas evolved from acid and alkali.	Waffles, Griddle Cakes.

THEORY:

- 15.
16. Egg as leavening agent
1-2-3-4 Cake. Development of
cake from muffins.
17. Yeast—Perfect loaf
- 18.
19. Molasses as an acid.
20. Dairy Products.
21. Eggs—Food value.
- 22.
23. Review deep fat frying.
24. Making of Pastry.
- 25.
26. Gelatin. Sources and
uses.
27. Care of lettuce.
Attractiveness of salads.
28. Frozen desserts.
Care of Freezer. Proportions of
salt and ice for freezing and
packing.
29. Table setting and serving.
- 30.

PRACTICE:

- Muffins, Muffins Corn.
- Plain Cake. Variations.
- Yeast bread.
- Parker House Rolls. Cinna-
mon Rolls.
- Brownbread, Gingerbread.
- Butter, Welsh Rarebit.
- Boiled Eggs, Scrambled Eggs.
- Drop Cookies.
- Doughnuts.
- Apple Pie.
- Simple Puddings, Custard,
Bread Pudding.
- Snow Pudding. Coffee or
Lemon Jelly.
- Salads. Two salads with
French and Boiled dressing.
- Vanilla Ice Cream.
- Prepare luncheon.

Report of the Evening School

Bangor, Me., June 15, 1917.

Mr. D. Lyman Wormwood, Superintendent of Schools, Bangor, Me.

Dear Sir:

I herewith submit my third annual report of the Bangor Evening School for the year beginning October 2, 1916, and ending May 24, 1917.

The total enrollment has been 110. Of these twenty-eight are males and eighty-two are females. There were two pupils between seven and fifteen years of age, thirty-three between fifteen and twenty-one, and seventy-five over twenty-one. The average attendance has been eighty-seven pupils, the percentage of attendance seventy-nine.

The enrollment by subjects has been as follows: Reading, 54; Spelling, 54; Grammar, 54; Geography, 26; History, 54; Arithmetic, 54; Algebra, 3; Stenography, 9; Typewriting, 25; Sewing, 4; Cookery, 36.

The work in Stenography and Typewriting was offered this year for the first time. It was popular, and some fine work was accomplished.

I hope that next year a course in Bookkeeping may be offered, since there appears to be a considerable demand for it.

The work in the elementary subjects has been well done, and three pupils are prepared to enter the high school in September.

In cooking, in addition to the regular work, each class was given instruction in canning by the cold pack method, and an interest was aroused in the preservation offered.

For your personal cooperation and that of the school committee and teachers I am very grateful.

Respectfully submitted,

LEE T. GRAY, Director.

Report of the School Agent

The School Agent's report for the year ending Feb. 28, 1917, is herewith submitted:

Among the improvements and repairs made during the year are the following:

In the Center Street building the old toilets and urinal were replaced by modern ones thereby greatly improving the sanitary condition of that building.

At the Longfellow schoolhouse a wall radiator was placed in the teachers' room, now used for classes, and larger radiators were placed in the hall and some of the steam pipes in the basement were covered. This was done to save forcing the fires so hard to heat the teachers' room which is directly over the front entrance to the building, and also to save coal.

At the Hannibal Hamlin building it was found necessary to prepare a room in the basement for the fifth grade. A new hardwood floor was laid over the concrete, radiators were installed, doors cut through, and dressing-rooms arranged for. Part of the walls were covered with slate blackboard; the room was painted, the ceiling calcimined and a closet built for the teachers' use. In the boys' basement the old trough urinal was replaced by a slate one.

The fire-escapes on the buildings at Hannibal Hamlin, Valentine, Pond Street, Center Street, Elm Street, Bower Street, Pearl Street, Allen Street and Cottage Street received a coat of paint.

New $1\frac{1}{4}$ inch water service mains were installed in the buildings at Pearl Street, Allen Street, Third Street, and Bower Street. These mains were so clogged that there was scarcely enough water to flush the toilets.

It was necessary to find new quarters for the kindergarten on Hammond Street and the Nason Circle building on Thirteenth Street has been used since the fall term. An addition of a shed and toilet had to be built on and a large parlor stove installed. This building has no cellar under it and although banked was found, at times, to be uncomfortable.

Owing to the large increase in pupils in the High School it was necessary to install a number of seats in the large study rooms.

The schoolhouse in the Sherburne district was entirely renovated. An addition of a woodshed and toilets was added in the rear of the building; the ceilings in the main-room, classroom and hall were sheathed; hardwood floors laid in both rooms and hall; the interior walls and ceilings painted; new slate blackboards put up; the roof was shingled and the outside of the building painted. A modern heater was installed in place of the old box stove. This gives good ventilation and the heat is evenly distributed over the room. Besides this, the fuel supply is less. The Sherburne building is now one of our best suburban school buildings. The residents in that vicinity are proud of it and I have the promise that they will co-operate with the School Board in fixing up the grounds during the summer vacation.

Other minor repairs have been made on both the down-town and suburban buildings. A number of combination steel desks were purchased for the Abraham Lincoln Assembly Hall when it was expected to be used for classes. Owing to a change it was not necessary to use them. Other schoolroom furniture has been purchased during the year.

RECOMMENDATIONS

I would recommend painting the woodwork and drawing the window sash on the Abraham Lincoln building and also the same at the State Street and Elm Street buildings. The gutters on the State Street building are in bad condition and should be relined. At the Elm Street schoolhouse the wall on the north side needs pointing.

The toilets in the Pearl Street and Bower Street buildings are very old and in bad condition and should be replaced with modern ones.

The ceiling and wall of the rooms and halls of the Forest Avenue building should be washed and calcimined and the wood-work painted. This building is very much in need of slate blackboard.

The fences about a number of the suburban buildings are in bad condition and neighbors near some of them are continually making complaints. If the people owning adjoining land would share the expense it would be an easy matter to keep the fences in good condition.

The Bagley schoolhouse needs to be shingled and I would advise placing another of the new stoves in this or one of the other suburban buildings.

Should Domestic Science and Manual Training rooms be installed in the Grammar School buildings preparations will have to be made to accommodate them.

Pressure should be brought to bear on the City Council to complete the walks about the High School building. We will have the State Teachers' Convention here this fall and if something is not done it will look about the same as it did two years ago.

Owing to the expected increase in High School pupils, preparation will have to be made to accommodate them.

The suburban schools not having the new additions of woodsheds and toilets are Odlin, Fuller, North Bangor and Mt. Hope. The shed at the Odlin school was built within a few years; the Fuller building is liable to be discontinued at any time owing to the small attendance; and at Mt. Hope, if anything is done, it should be replaced by a new building. The North Bangor building should be remodelled on the same line as other suburban buildings have been, as soon as possible.

In closing I wish to thank the members of the Superintending School Committee and the Superintendent of Schools for their kind assistance during the year.

Respectfully submitted,

GEORGE W. CLUFF,

School Agent.

Rules and Regulations of School Agent

Adopted June 2, 1914

DUTIES OF THE SCHOOL AGENT

1. It shall be the duty of the School Agent to visit all school buildings in the City at least twice each month, and the rural schools at least twice each term.

2. The School Agent shall look over the buildings and grounds, correcting, through the janitors, any neglect of their duties. He shall also see to it that the closets, outbuildings and fences are kept in proper shape.

3. The School Agent shall act as inspector of all repairs on school property. He shall impress upon the janitors the necessity of keeping the basements clean and free from waste paper and other material liable to cause fire.

4. It shall be the duty of the School Agent to see that all school buildings are supplied with flags and poles properly equipped for displaying the flag.

5. When a vacancy occurs in any school building by reason of sickness or absence of any janitor, it shall be the duty of said janitor to notify the School Agent who shall procure a substitute during such absence.

6. When such absence occurs the School Agent shall notify the Superintendent of any temporary change.

7. He shall make a report of schools visited and his findings monthly to the Superintendent.

8. The Agent shall perform the duties herein stated and any other duties which the School Board may direct.

9. The rules and regulations to take effect when approved by the School Board.

Report of the Truant Officer

To the City Council:

I herewith submit the following annual report of the Truant Officer for the year ending Feb. 28, 1917:

One hundred and sixty-five cases of truancy have been given me to look up during the year. One boy was committed to the State School for Boys at South Portland.

Respectfully submitted,

GEO. W. CLUFF,

Truant Officer.

Class of 1917, Bangor High School

June 15, 1917

"Strive for the highest"

CLASS OFFICERS

James C. McCann, President

Lena E. Clark, Vice President

Paul H. Eames, Secretary and Treasurer

PROGRAM

Music..... High School Orchestra

Prayer

Essay—The Growth of InternationalismHarry Helson
 Essay—Child Labor.....Genevieve I. Kenney
 Chorus—Who is Sylvia?*Shubert*
 History.....Cornelius D. Sullivan
 Essay—A Game of Chess.....Reginald W. Noyes
 History.....Margaret T. Hills
 Chorus—Larghetto..... *Beethoven*
 Essay—Evolution of Our Flag.....Grace G. Brennan
 Parting Address..... Thomas P. Kane
 Overture—Four Ages of Man.....*Lachner*

Conferring Diplomas

Conferring Medals

Singing of Class Ode

CLASS ODE

By Bernice S. Smith

Music by Katherine D. Stewart

Alma Mater, we hail thee with joyful devotion;
Thy name in the air we would heartily raise;
Our thoughts now turn backward with loyal emotion;
As we bring to thine altars our homage and praise.
The years have sped swiftly that once seemed too
 lingering;
Ambitions we've cherished are realized to-night;
We go, Alma Mater—we hear the world calling
Her children to further the triumph of Right.

All thy gifts have been priceless; thy standards of
 honor
Shall live in our hearts as we strive to attain
The highest, the goal thou has set for us ever,
The ideal of youth that shall always remain.
Alma Mater, we realize that playtime is over;
Thou shalt find that thy children are worthy of
 trust;
Then send us to service of man and of nation,
And grant us thy blessing since leave thee we must.

Fellow classmates, the hour has now come for our
 parting;
The pathway we've travelled together now ends.
When the springtime of life into Autumn is blending.
The bonds of remembrance shall hold us still friends.
To classmates and teachers and those who yet linger,
Our hearts would in words their deep gratitude tell;
We pledge thee our faith, Alma Mater, forever,
And sadly and tenderly bid thee farewell.

FIRST HONORS

Average of A for the course in order of rank

E. Louise Leonard	Pauline E. Miller
Marion Bragg	Harold E. Vayo**
Florence U. Salley	Irene L. Smith
Margaret J. Estes	Gladys E. Maxfield
Carol M. Hamm	Reginald W. Noyes**
Grace G. Brennan	Mona G. Wakefield
Stanley J. Johnson	William V. Wilson
Pauline Woodward	Margaret T. Hills
Gladys M. Allen	Flora E. Welch
Ralph B. Farrar	R. Imelda Finnigan
Pearle E. Wentworth	Ralph B. Knott*
N. Evelyn Lord	J. Harold Murray
Hazel M. Chase	Paul H. Eames
Katherine D. Stewart	Helen D. Tribou
James K. Pennell	Edna B. Shute

**Two years

*One year

SECOND HONORS

Average of B for the Course

Names arranged alphabetically

Dorothy M. Allen	Annie C. Lutz
Esther Andersen	Ethel M. McAuliffe
Martha A. Bartlett	James C. McCann
Sarah H. Bartlett	Joseph A. Makanna
Jacob J. Berson	Madalene E. Morton
Kenneth S. Boardman	Mollie A. Murphy
Rachel I. Bowen	John W. O'Connell
F. Gilmore Buzzell*	Hilda M. Page
Earl F. Carter	Warren H. Preble*
A. Stanley Cayting	Helen P. Reed
Callie M. Davis	Oscar A. Robinson
Laura A. Dodd	Samuel J. Rosen

Mildred I. Dorr
 Irene I. Frost
 J. Francis Gillen
 Myrtle A. Glidden
 Earl S. Grant
 Doris E. Gray
 Willis F. Hammond
 Ethel M. Hardy
 Sarah E. Hathorne
 Harry Helson
 Lilla C. Hersey
 Virginia F. Holmes
 Marion L. Honey
 Percy W. Howard
 Ruth W. Hunt
 Nellie M. Jones
 Genevieve I. Kenney
 Marion E. Larsen
 Priscilla Leonard

***Three years

Miriam C. Rounds
 A. Ethel Scanlan
 Nathan Segal
 Nellie L. Smiley
 Ruth C. Smiley
 Bernice S. Smith
 Hugh R. Smith
 Jennie U. Solomon
 Gladys M. Stetson
 Cornelius D. Sullivan
 Rena G. Sweeney
 Leon J. Thomas
 Teresa M. Toole
 Olive F. Townsend***
 George C. Travers
 Russell S. Washburne
 Maysie E. Whitehouse
 Margaret C. Woodward
 Earl J. Young

*One year

HONORS IN ENGLISH ESSAYS

Girls

Grace G. Brennan
 Genevieve I. Kenney
 Hilda M. Page
 Pearle E. Wentworth
 Madalene E. Morton
 Bernice S. Smith

Boys

Harry Helson
 Reginald W. Noyes
 James C. McCann
 Kenneth S. Boardman
 Kenneth G. Smith

NAMES OF GRADUATES

Dorothea M. Allen
Gladys M. Allen
M. Madelene Alward
Esther L. Andersen
Blandina D. Atwood
Martha A. Bartlett
Sarah H. Bartlett
Jacob J. Berson
Harold A. Blethen
Kenneth S. Boardman
Rachel L. Bowen
Frances Bragg
Marion K. Bragg
Grace G. Brennan
F. Gilmore Buzzell
J. Edward Carlin
Earl F. Carter
A. Stanley Cayting
Hazel M. Chase
Lena E. Clark
Katherine H. Covelle
Inez C. Cox
Earl L. Craig
Genevieve A. Cullinan
Raymond J. Curran
Callie M. Davis
Laura J. Dodd
Mildred I. Dorr
Bessie M. Drinkwater
Paul H. Eames
Fred G. Eaton
Margaret J. Estes
Ralph B. Farrar
R. Imelda Finnigan
Madeline G. Ford

Irene I. Frost
J. Francis Gillen
Simon Ginsberg
Myrtle A. Glidden
Earl S. Grant
Beulah G. Gray
Doris E. Gray
Agnes C. Griffin
Carol M. Hamm
Willis F. Hammond
Ethel M. Hardy
Christine L. Harris
Donald H. Hathorn
Sarah E. Hathorne
Harry Helson
Lilla C. Hersey
Albert R. Hickson
Margaret T. Hills
Virginia F. Holmes
Marion L. Honey
Percy W. Howard
Harold H. Hubbard
Ruth W. Hunt
Stanley J. Johnson
Donald P. Johnston
Nellie M. Jones
Thomas P. Kane
Robert T. Kearlin
James F. Kelleher
Genevieve I. Kenney
Ralph B. Knott
Marian E. Larsen
E. Louise Leonard
Priscilla D. Leonard
Harry K. Littlefield

NAMES OF GRADUATES

N. Evelyn Lord	Miriam C. Rounds
Edward E. Lovejoy	Alton G. Rowe
Annie C. Lutz	Annie E. Salisbury
Ethel M. McAuliffe	Florence U. Salley
LeRoy P. McCabe	A. Ethel Scanlan
James C. McCann	Nathan W. Segal
Arlene M. McDaniel	Edna B. Shute
M. Ethel McEwen	Nellie L. Smiley
J. Wilfrid McGuire	Ruth C. Smiley
Winifred L. MacKay	Bernice S. Smith
Helena M. MacNeil	Everett L. Smith
Margaret L. Magee	Hugh C. Smith
Joseph A. Makanna	Irene L. Smith
James E. Malone	Kenneth G. Smith
Gladys E. Maxfield	Max P. Snyder
Madeleine Maxfield	Jennie U. Solomon
Pauline E. Miller	Gladys M. Stetson
Ruth R. Miller	Katherine D. Stewart
Madalene E. Morton	Anna M. Street
Richard F. Mulvany	Cornelius D. Sullivan
Mollie A. Murphy	Rena G. Sweeney
J. Harold Murray	Leon J. Thomas
Gladys L. Nason	J. Raymond Thorne
Patrick H. Nelligan	Teresa M. Toole
Frank A. Noble	Olive F. Townsend
Reginald W. Noyes	George C. Travers
John W. O'Connell	Helen D. Tribou
Charles L. O'Connor	Harold E. Vayo
Hilda M. Page	Mona G. Wakefield
James K. Pennell	Russell S. Washburne
J. Francis Perry	Flora E. Welch
Rachel G. Pomeroy	Pearle E. Wentworth
Warren H. Preble	Maysie E. Whitehouse
Dexter Pullen	J. Burt Wilson
Helen P. Reed	William V. Wilson
Moses C. Ricker	Margaret C. Woodward
Oscar A. Robinson	Pauline Woodward
Lillian L. Rosen	William M. Worden
Samuel J. Rosen	Earl J. Young

JUNIOR EXHIBITION
OF THE
JUNIOR CLASS OF THE HIGH SCHOOL
CITY HALL, BANGOR, MAINE
Friday Evening, March 23, 1917

PROGRAM

The Scarlet Crow		<i>C. W. Bennet</i>
	High School Orchestra	
The Mansion		<i>Van Dyke</i>
	James E. Mitchell	
From a Far Country		<i>Anonymous</i>
	Mildred J. DeWitt	
The Spell of the Yukon		<i>Service</i>
	Joseph D. Garland	
Pilgrims' Chorus		<i>Wagner</i>
	Chorus	
Scene (from The Taming of the Shrew)		<i>Shakespeare</i>
	Lola M. Yelland	
The Union Soldier		<i>Thurston</i>
	Frank D. McGuire	
Melodie		<i>Friml</i>
	High School Orchestra	
Jane		<i>Tarkington</i>
	Rachel G. Connor	
Let Us Have Peace		<i>Schurz</i>
	John S. McCann	

1917]	CITY OF BANGOR	467
By Courier	Antoinette W. Gould	Kipling
Oh, My Luve's Like A Red, Red Rose		G. M. Garrett
	Chorus	
Americanism	Charles F. Whalen	Lodge
"One, Two, Three"		Bunner
She Liked Him Rale Weel		Wauless
L'Envoi	Marion M. Kenney	Kipling
Waltz (from Romeo and Juliet)	High School Orchestra	Gounod

HIGH SCHOOL ORCHESTRA

First Violin

Stanley Cayting
James McCann
James Mitchell
Ceylon Archer
Grace Carver
Galen Kenney
Eleanor Christenson
Harold Clark
Edward Kenney
Lulu Graham
Russell Whittemore
William Robbins

Second Violin

Azell DeVoe
Dewey Christmas
Natalie Pierce
Franz Dolliver
Thomas Jordan
Edna Bille
Hazel Coffee
Hayward Maxfield
Phillip Chalmers
Arthur Lipsky
Abraham Viner
Reginald Jarvis
Judson Grant
Everett Smith

HIGH SCHOOL ORCHESTRA—*Continued*

Ivy Mann
Thelma Martin
Charles Downing
John Meade
Fred Sullivan

Cello

Dorothy Allen
Vivian Johnson
Frances Crowe
Mildred Oliver

Trombone

Charles Hicks
Bernard Russell

Cornet

Lawrence Connor

Clarinet

Frederic Baumann

Flute

Parry Boyd

Double Bass

Harold Green

Drum

Francis Shaw

Piano

Dorothy Doe
Luda McKenney

GRADUATING EXERCISES
OF
THE NINTH GRADE
BANGOR GRAMMAR SCHOOLS
Assembly Hall, High School Building
Friday afternoon, June 15, 1917, at 2.30 o'clock

PROGRAM

- Music..... *Boys in Khaki*
Grammar School Orchestra
- Prayer
- Chorus—The Landing of the Pilgrims.....*Edward B. Birge*
School
- Old Glory.....*James Whitcomb Riley*
Lewis Bennett
- Duet—Go, Pretty Rose.....*Theo Marzials*
Anna Shannon Beatrice Lowd
Elizabeth Robbins, Piano
- Address
Colonel Frederick H. Parkhurst
- Martha*Flotow*
Orchestra
- The Present Crisis..... *James Russell Lowell*
Roger Nickerson
- In Our Boat.....*Moszkowski*
Chorus
- Commencement *Kellogg*
Justina Buckley

LIST OF GRADUATES

ABRAHAM LINCOLN SCHOOL

Esther Pearl Allen	Dora H. Cohen
Joseph Doherty	Lovis Sawyer
Rosalie Hazel Ginsberg	J. Roy Dougherty
Gertrude M. Foster	Eleanor Louise Crowe
Julia Agnes Laffey	Sumner Pond Alward
Martha Gertrude Stuart	Samuel Axelrod
Mabel Minnie Norton	Ruth E. Black
Lillian May Holmes	Charles E. Cleaves
Ralph C. Plummer	Marion Consuelo Cluff
Sam Berger	Abe Cohen
Eleanor Barrett Buck	Roland T. Coombs
Esther Berneice Burrill	John Burt Corning
Bessie Cooper	Ruth B. Crowell
Fred L. Cooper	Helen Ireland Crowell
Ethel Gertrude Frazee	Gladys Muriel Davis
Isador K. Goldsmith	Clyde Ellis
Rose Hillson	Mildred M. Ellis
Ruth Hecht	Ralph Farnham Eye
Ida Koritzky	Helen B. Finnegan
Helen Frances Mayo	Maurice Goldman
Sam Miller	Marguerite A. Laughlin
Sadie Russell	M. Ruth Leonard
Rowland W. Staples	Rebecca Levitz
Osgood S. Townsend	George T. McCarthy
Howard H. Wass	Walter MacCredy
Francis W. Whitney	Leslie Gordon McGary
Alan Weymouth Crowell	Edgar Joseph Murry
Haidee Ethel Brackett	Roger Brown Nickerson
Jeanett B. Peirce	Mildred Eleanor Osborne
Elizabeth E. Pendleton	Harriet R. Peirce
Leon L. Morrill	James Francis Pinette
Muriel Beatrice Babcock	Irene Russell
John Roland Littlefield	Albert J. Schiro
Marshall Pomroy	Frederic A. Soderberg

Beulah May Chandler
Miriam Adelaide Hall
Raymond M. Tozier
Vaughn Ashley Yerxa
Edith A. Beal
Simon Louis Bell
Albert C. Blanchard
Mona Boyden
Theodore Herrick Butler
George Henry Cahill
Alfreida R. I. Clark
Cecilia Alice Crowley
George Albert Davenport
Arthur E. Dennis
Mary Irene Deroche
James Rice Doherty
Henry Louis Drew
Maybel Leola Fish
Anna R. Glazier
Richard F. Iverson
Joseph Albert King
Carl A. R. Lobley
Frances Helen Malia
Rachel D. Maling
Maybelle F. Mullen
Edward Bowdoin Nealley
Bernice Marie Page
Edna Pauline Peavey
Zarefa B. Ray
Elizabeth P. Robbins
Morris Charles Robinson
Joseph Sawyer
Marion L. Scripture
Hyman A. Segal
Harold E. Smith
Raymond R. Thornton
Doris Marion Virgie

Frances Staples
Marcia Lee Torrens
George M. Wallace
Harold Parker Williams
John O. Pennypacker
Cleriece A. Arsenault
Dorothy E. Babcock
Winnifred Bachelder
Eva Lillie Beatty
George A. Billington
Ruth Marion Burrill
James Edward Canning
Ruth T. Clough
Kathleen Evelyn Clukey
Nathan R. Cohen
John Edward Coney
Lloyd M. Dearborn
Rose Goldberg
Margaret M. Harper
Hazel L. Hollis
Orman Julian Humphrey
Morris Koritzky
Beatrice A. L. Lowd
Mildred K. McEwen
Georgiana McNamara
Florence L. Mitchell
James Edward O'Brien
Carl O'Connor
Henry J. Paul
Paul Perry
Sadie R. Sawyer
Anna M. Shannon
Frances G. Silver
Leonard C. Smith
Harlan M. Talbot
Lucille Vivian Watson
Mona L. Yelland

HANNIBAL HAMLIN SCHOOL

Georgia A. Fassett	Rose D. Murphy
Abraham A. Richlin	Francis Emery Atkins
Macolm M. Street	Frank Morton Bell
Vance S. Wilcox	Henry Baker Blake
Patrick J. Dougherty	Elvin Edward Boulter
Joseph L. Goodman	Merrill Hillard Bowles
Dorothy G. Wilson	Phyllis G. Chapman
George Irvin Nickerson	Francis Forrest Colburn
Madeline M. Snowdon	Grace Frances Coombs
Madeline Johnston	Gordon Walter Danforth
Isadore Cohen	John Philip Downing
Florence Lillian Wing	Carlton W. Fletcher
Frances Lillian Bailey	Ruth Crosby Fletcher
Edward Louis Carr	Madelene Fogg
John P. Frawley, Jr.	Ida Goodman
Hildred L. Avery	Gladys Mina Graffam
Kathleen E. Gallison	Alice Lillian Grant
Dorothy B. Valentine	Ivy Mabel Gregory
John H. Robinson	Robert Nelson Haskell
Muriel May Kenney	Dorothy H. Southard
Harry E. Russell	Theodore James Mahar
Bernice Cecilia Daley	Samuel James Marsh
Edgar W. Bille	Silsby Briggs Mayo
Robert Francis Cochran	Francis Neil MacLean
Margaret H. Golden	Grace Elizabeth Millett
Grace Bowden	Robert W. Morrison
Mary Estelle Baumann	Harold Elbert Pressey
Anna Leslie Sargent	Sanford Elijah Smith
Doris Madeline Johnson	Ivan Strout
Wilfred Joseph Vallely	Winona Frances Sawyer
Althea R. Washburne	John Philip Doyle
James Harold Whitehead	Henry Eugene Whitney
Gordon Stuart Douglas	Winfred Brown Allen
Elizabeth M. Williams	Pauline Seavey Fairbanks
Isabelle W. Willis	Harlan Ernest Atherton
Hyman H. Richlin	Elizabeth Tracy Peabody
Helen E. Hitchcock	Justina E. Buckley

Lewis Edgar Bennett
 Annie Mae Raynes
 Hewey Bentley Huntley
 Catherine L. Wheelden
 Clyde Irving Swett
 Annie E. Kelley
 Katherine Emily Atkins
 Benjamin Francis Clark
 Rexford Edwin Dickey
 Pearl Ardell Eames
 Beatrice Lillian Miller
 Beatrice Viola Brown
 Natalie Dorothea Rice
 Mary Eleanor Hicks
 Gerard P. Collins
 Caroline Hunt
 Roland A. Leadbetter
 Leslie J. Bowler
 Marion H. Ford
 Charles Edgar Hicks
 Gertrude Lillian Colson
 Inez Mable Weston

Francis Bartlett
 Ruth Lillian Lipsky
 Margartet Martha Honey
 Edrie Hortense Mahaney
 Willis Eugene Babcock
 Thelma Phyllis Goodale
 Horace Burton Mower
 Mildred Frances Drillen
 Raymond Lester Downs
 Edna Elizabeth Brown
 Ivy Hudlin
 John Frederic O'Leary
 Elsie Marguerite Gregory
 Barton Drew Hubbard
 Ralph Leonard Brown
 William Bradbury
 Anslem F. Johnson
 Bernice Angelina Foster
 Leon Francis Belinian
 Alton C. MacPherson
 William Mitchell Lamb
 Roland Virgil Withee

RURAL SCHOOLS

Lillian May Fogg
 Carolyn Estelle Witherly
 Raymond L. Chase
 Roger Algernon Smith
 James Leroy Parker
 George R. Mower
 Edna G. Morrison
 Martha E. Hewes
 Raymond Roundy
 Carlotta M. Dorr
 Dorothy E. Sandborn
 Henry L. Craig

Clifton C. Tozier
 Agnes V. Russell
 Franklin Joseph Currier
 Victor Paul Jones
 Kenneth S. Trenholm
 Evelyn May Rogers
 Clifford E. Bridgham
 Odessa L. Bridgham
 Harry B. Bernardini
 Earl Milton Hillman
 Karl M. Smith
 Mildred E. Stewart

Report of City Solicitor

*To the Mayor and City Council,
Bangor, Maine.*

Gentlemen:

The following report of the City Solicitor is hereby submitted for the municipal years of 1916-1917.

The following actions were instituted on behalf of the City against designated defendants and entered at the October term of the Supreme Judicial Court, 1916:

City of Bangor *v.* J. F. Spellman, et als.
City of Bangor *v.* Henry A. Kelley.
City of Bangor *v.* Henry A. Kelley.
City of Bangor *v.* Henry A. Kelley.
City of Bangor *v.* F. E. Pressey.
City of Bangor *v.* John T. Kelleher.
City of Bangor *v.* J. Fred Sheehan.
City of Bangor *v.* F. P. Dunham.
City of Bangor *v.* William W. Pennell.
City of Bangor *v.* Fred C. Ridley.
City of Bangor *v.* William H. Riley.
City of Bangor *v.* H. F. Williams.
City of Bangor *v.* Dennis Cronin.
City of Bangor *v.* Charles D. Pressey.
City of Bangor *v.* Archie Morrison.
City of Bangor *v.* Charles H. Morrison.
City of Bangor *v.* Henry O. Pierce.

The following suits were settled by the defendants for the full amounts sued for:

City of Bangor *v.* Frank E. Pressey.
City of Bangor *v.* Charles D. Pressey.
City of Bangor *v.* Frank P. Dunham
City of Bangor *v.* J. Fred Sheehan.
City of Bangor *v.* Henry O. Pierce.
City of Bangor *v.* William H. Riley.
City of Bangor *v.* Archie D. Morrison.

The action against Charles H. Morrison was discontinued as the fact was satisfactorily established that he was not indebted to the city.

Judgments were recovered in the following suits:

City of Bangor *v.* Henry Kelley.
City of Bangor *v.* Henry Kelley.
City of Bangor *v.* Henry Kelley.
City of Bangor *v.* Dennis Cronin.
City of Bangor *v.* H. F. Williams.
City of Bangor *v.* John T. Kelleher.

The action City of Bangor *v.* Fred C. Ridley was reported to the Supreme Court on an agreed statement of facts and the same was argued at the June term of the Law Court held in Portland.

The action City of Bangor *v.* William Pennell is in order for trial at the coming October term, as it was impossible to have it tried prior to that time owing to absence of witnesses and counsel.

In addition to the above, recoveries were made for the City without litigation, as follows:

April 11, 1916:

Henry A. Kelley, for hay.....	\$137 60
Jerry T. Carrow, small house, several bags cement and 2 cans gasolene.....	

August 29, 1916:

Henry O. Pierce.....	563 04
----------------------	--------

The action William Dodge *v.* City of Bangor was tried at the January term of the Supreme Judicial Court, 1917. Judgment was recovered against the City for two hundred dollars (\$200.00).

The following actions brought against the City of Bangor were settled at the January term of Court, 1917:

Providence Washington Ins. Co. *v.* City of Bangor.
 American Central Ins. Co. *v.* City of Bangor.
 Scottish Union National Ins. Co. *v.* City of Bangor.
 New Hampshire Fire Insurance Co. *v.* City of Bangor.

These were actions for premiums of insurance claimed to be due said companies from the city.

At the April term of the Supreme Judicial Court Robert B. Robinson, former patrolman, brought an action of quo warranto in which hearing was had and the matter settled.

At the October term, a writ of mandamus was brought by Bruce A. Burpee against the Mayor and Board of Aldermen in their capacity as a licensing Board. Hearings were had in this matter and the writ was dismissed.

Ira H. Jewell, a citizen of Chicago, Illinois, has brought an action in the United States District Court against the City, seeking reparation for the infringement of certain patent rights in certain water control systems. Proper pleadings on behalf of the City have been filed.

In addition to the above I have been present and taken part in the City's interest at different hearings in the Bangor Municipal Court and before the Industrial Accident Commission.

At the direction of the City Council I attended the Seventy-eighth session of the Legislature in the months of February, March and April and am able to report that every measure which the City opposed directly failed of passage. In this connection would say my work was done in conjunction with the legal representatives of several other cities. Space forbids a detailed report of all that was done, same will be submitted however at an early date.

I believe this sets forth, substantially, the work done by my department for this period.

Respectfully submitted,

JAS. M. GILLIN,
City Solicitor.

Bangor City Government

1917-1918

Mayor, JOHN F. WOODMAN

ALDERMEN

Ward 1. Edward R. Hickson	Ward 2. Fred A. Porter
Ward 3. Benjamin F. Tefft	Ward 4. Harry R. Williams
Ward 5. William D. Matheson	Ward 6. Frank O. Youngs
Ward 7. Chas. G. O'Connor	

COMMON COUNCILMEN

President, Hayward C. Dunham

Ward 1

William P. Flannigan	Walter T. Burns	James E. McGrath
----------------------	-----------------	------------------

Ward 2

Frank Ryan	Henry J. Russell	Harry E. Coleman
------------	------------------	------------------

Ward 3

Charles F. Eames	Elmer E. McFarland	Hilliard E. Johnston
------------------	--------------------	----------------------

Ward 4

Edgar J. Nickerson	Frank MacLennan	Franklin A. W. Field
--------------------	-----------------	----------------------

Ward 5

Hayward C. Dunham	Charles C. Sanford	Charles F. Winchester
-------------------	--------------------	-----------------------

Ward 6

*Asa T. Grant	Frank T. Mason	Myer W. Epstein
---------------	----------------	-----------------

Ward 7

James P. Quine	William A. Ryder	John P. Mooney
----------------	------------------	----------------

Clerk of Board, Thomas G. Donovan

*Resigned—Vacancy not filled.

WARD OFFICERS

WARDENS

Ward 1. Timothy J. McCarthy
 Ward 2. Ashley B. Wood
 Ward 3. Asa C. Morton
 Ward 4. Joseph T. Holbrook
 Ward 5. John Goldthwait
 Ward 6. Arthur W. Archer
 Ward 7. Ralph F. Wood

WARD CLERKS

Ward 1. Joseph P. Derouche
 Ward 2. Harry E. Honey
 Ward 3. Elmer O. Whitten
 Ward 4. Chas. H. Sinnott
 Ward 5. John H. Pritchard
 Ward 6. F. C. Bradbury
 Ward 7. John T. Barry

ELECTION OFFICERS

CLERKS APPOINTED BY THE MUNICIPAL OFFICERS

Ward 1. R., John L. Gaffney.....Ballot Clerk
 D., James E. Gallagher.....Ballot Clerk
 R., Louis Richelson.....Election Clerk
 D., John S. O'Leary.....Election Clerk

Ward 2.	R., Arthur L. Fish.....	Ballot Clerk
	D., E. F. Kelley, Jr.....	Ballot Clerk
	R., Robert Cochran.....	Election Clerk
	D., Joseph F. Carr.....	Election Clerk
Ward 3.	R., H. L. Archer.....	Ballot Clerk
	D., Thos. A. McCann.....	Ballot Clerk
	R., Ralph T. Delano.....	Election Clerk
	D., R. H. Downing.....	Election Clerk
Ward 4.	R., Byron C. Hodgkins.....	Ballot Clerk
	D., Wm. H. McCart.....	Ballot Clerk
	R., John C. Bowen.....	Election Clerk
	D., Ambrose Fogg.....	Election Clerk
Ward 5.	R., H. W. Atwood.....	Ballot Clerk
	D.,	Ballot Clerk
	R., Geo. W. Cluff.....	Election Clerk
	D., Edw. T. Seavey.....	Election Clerk
Ward 6.	R., Elmer E. Hodgkins.....	Ballot Clerk
	D., John G. Mooney.....	Ballot Clerk
	R., O. L. Clement.....	Election Clerk
	D., E. H. Moriarty.....	Election Clerk
Ward 7.	R., Willis L. Clark.....	Ballot Clerk
	D., David J. McGrath.....	Ballot Clerk
	R., Guy L. Peavey.....	Election Clerk
	D., Thomas A. Curran.....	Election Clerk

BOARD OF REGISTRATION

Michael J. Brennan, Chairman.....	Term expires May 1, 1919
Thomas W. Kelley.....	Term expires May 1, 1920
Edward I. Gleszer.....	Term expires May 1, 1920

CITY OFFICERS

1917-1918

ELECTED BY THE CITY COUNCIL

City Clerk—Victor Brett
 City Treasurer and Collector—Thos. G. Donovan
 City Auditor—Lucien C. Everett
 City Solicitor—James M. Gillin
 Chief of Police—Lindley W. Gilman
 City Electrician—James E. Logan
 Street Commissioner—Chas. A. Woodbury
 City Engineer—David J. Nason
 Superintendent of Sewers—Wm. E. Givren
 School Agent and Truant Officer—Geo. W. Cluff
 Chief Engineer of Fire Department—P. J. Kelley
 City Physician—C. J. Taylor
 Harbor Master—Edwin Lord

ASSESSORS

Geo. G. Nelson.....Term expires 1918
 Chas. F. Sweet.....Term expires 1919
 Frank A. Garnsey.....Term expires 1920

OVERSEERS OF THE POOR

John J. Flynn.....Term expires 1918
 Daniel W. Maxfield.....Term expires 1919
 Geo. F. Cameron.....Term expires 1920

SCHOOL COMMITTEE

Daniel McCann.....	Term expires 1918
C. Parker Crowell.....	Term expires 1918
Geo. W. Wescott.....	Term expires 1919
Frederic W. Adams.....	Term expires 1919
Walter A. Danforth.....	Term expires 1920

SUPERINTENDENT OF SCHOOLS

(Appointed by School Committee)

D. Lyman Wormwood

STREET ENGINEERS

D. J. Nason, ex-officio, W. D. Matheson, Frank MacLennan

CEMETERY BOARD

A. H. Harding, Chas. F. Bragg, Eben W. Blunt

Constables—Lindley W. Gilman, Thomas E. O'Donohue, John T. Mackie, Frank M. Douglas, William E. Dyer, Thomas F. Allen, Guy L. Peavey, H. L. Archer, G. A. Tibbetts, Frank Hirsch, P. H. Jacobs, Lewis Richelson, Willard B. Clark, Harry P. Baker, John Goldthwait, Arthur L. Miles, Frank MacLennan, Walter C. Jones, Paul D. Higgins, D. N. Chaisson, O. L. Clement.

Surveyors of Lumber—Harry M. Smith, J. E. Gillispie, Albert J. Howell, D. J. McGrath, Jr., Frank E. Flaherty.

Fence Viewers—Chas. F. Foster, Joseph B. Leathers, Chas. A. York, L. H. Bunker, Ira P. Watson, Nathan Saunders, Frank H. Prilay, Gideon Ray, S. N. Cohen.

Field Drivers—Donald F. Snow, Frank H. Prilay, B. W. Blanchard, Wm. H. Nickerson, F. E. Flaherty.

BANGOR WATER BOARD

John F. Woodman, Mayor, ex-officio.

Hosea B. Buck.....	Term expires March, 1919
W. S. Higgins.....	Term expires March, 1919
Frank P. Denaco.....	Term expires March, 1920
F. O. Beal.....	Term expires March, 1920
M. S. Clifford.....	Term expires March, 1918
A. L. Blanchard.....	Term expires March, 1918

CLERK AND COLLECTOR

Walter I. Brown

Assistants—Edna B. Pickard, Delia G. Mann
 Superintendent—Melville A. Sinclair
 Chief Engineer—J. W. Dougherty
 Inspector—Cornelius O'Brien
 Inspector—Thos. V. Campbell
 Consulting Chemist—Prof. James M. Caird
 Resident Chemist—A. C. Powell

TRUSTEES OF HERSEY FUND

John F. Woodman, Mayor, ex-officio.

Thos. G. Donovan, Treasurer, ex-officio.

William F. Curran.....	Term expires February, 1919
Frederic W. Adams.....	Term expires February, 1923
Arthur Chapin.....	Term expires February, 1921

APPOINTED BY THE MAYOR AND ALDERMEN

Inspector of Buildings—William S. Mason
 City Treasurer's Assistant—Ernest C. Stinson
 Sealer of Weights and Measures—I. M. Hutchings
 City Missionary—Mrs. Jennie McPhee Johnson
 Inspector of Milk—Frank Dwinal

POLICE DEPARTMENT

Chief of Police, Lindley W. Gilman

REGULAR POLICEMEN

Harry P. Baker, Deputy Chief

Calvin Knaide, Inspector	William F. McAllister
John T. Mackie	Daniel F. Kennedy
Dennis J. Griffin	John W. Mahoney
Cornelius Donovan	James E. Reagan
James L. Fahey	Simon O'Leary, Headquarters Man
Thomas E. O'Donohue	Ambrose L. Phillips, Captain
Frank J. Golden	Fred H. Bean
Frank J. Rogan	Horace S. Berry
Ralph G. Reid	Charles F. Carcy
James P. Beck	James A. Conners
Benjamin P. Sproul, Captain	Frank E. Foley
William H. Mead, Sergeant	William J. Nagle
Walter R. Holmes	Fred J. Perkins
William H. Gehigan	Anson A. Powers, Sergeant
Emery A. Rowe	Timothy Rogers

SPECIAL PATROLMEN

Henry M. Geagan

Dolor Veilleaux

SPECIAL—BREWER BRIDGE

Timothy J. O'Leary

SPECIAL CHAUFFEUR

Wm. F. Banks

POLICE EXAMINING BOARD

C. J. Taylor, City Physician, ex-officio.

Chas. M. Stewart.....Term expires March, 1918

Eugene B. Sangor.....Term expires March, 1919

BOARD OF HEALTH

John Goldthwait.....Term expires March, 1919
 H. L. Robinson.....Term expires March, 1920
 John E. Kelley.....Term expires March, 1918

SEWER BOARD

Alderman, Fred A. Porter

John S. Mitchell.....Term expires March, 1918
 Ira P. Watson.....Term expires March, 1919
 Wm. E. Givren, Sup't of Sewers, ex-officio.

PARK COMMISSIONERS

Samuel R. Prentiss.....Term expires March, 1919
 C. A. Robbins.....Term expires March, 1920
 Chas. E. Sweeney.....Term expires March, 1918

Measurers of Wood and Bark—Arthur Wentworth, T. H. Donovan, Amory W. Staples, Chas. A. Elkins, Geo. A. Daley, Wm. P. Smiley, Chas. M. Stewart, C. G. Chalmers, A. J. Robinson, Fred B. Tuck, Eben W. Blunt, W. B. Crossman, F. G. Eaton, Albert Weston, Hosea B. Buck.

Public Weighers and Gaugers—John F. Woodman, A. H. Babcock, J. McManus, J. F. Angley, F. C. Brackett, F. F. Rich, Arthur Wentworth, A. S. Field, W. T. Smith, T. A. Daley, I. W. Barker, C. M. Stewart, Chas. Grover, C. G. Chalmers, Fred B. Tuck, Samuel J. Robinson, W. A. Decker, W. F. Brackett, J. F. Green, E. C. Graham, Geo. F. Cameron, Eben W. Blunt, James Hayes, A. A. Crowell, H. C. Applebee, Peter A. Currier, J. M. Murphy, Albert Weston, C. D. Bartlett, R. A. Dyer, F. M. Woodman, Henry F. Whitman, Abram Brown, Edward H. Toole, W. H. Staples, John H. Rice, Guy L. Bailey.

SUPERINTENDENT OF BURIALS

Reuben E. Hathorn

UNDERTAKERS

Reuben E. Hathorn—Mt. Hope
Patrick Quine—Mt. Pleasant
Ralph C. Eveleth—Oak Grove, Finson road
Edward H. Allen—Pine Grove, Carmel road
W. H. Bryant—Maple Grove, Pushaw road

SUPERINTENDENT OF CLOCKS

(Employed by the Mayor)

David E. Gamble

APPOINTED BY BOARD OF HEALTH

Inspector of Plumbing

SUPERINTENDENT OF ALMSHOUSE

(Appointed by the Mayor)

Lewis E. Klatte

ASSISTANT ASSESSORS

(Appointed by Assessors and approved by Mayor and Aldermen)

Ward 1. Max Cohen
Ward 2. Roger Welch
Ward 3. H. Percy Runnels
Ward 4. Augustine Palmer
Ward 5. Henry White
Ward 6. Elmer E. Hodgkins
Ward 7. Frank H. Small

CHIEF OF FIRE DEPARTMENT

P. J. Kelley

OFFICERS AND PERMANENT MEN

(Appointed by the Chief Engineer and approved by Aldermen)

CENTRAL STATION

Eugene Le Barrows.....	1st District Chief.....	Salary, \$3.00 per day
J. Frank Granville.....	2d District Chief.....	Salary, \$3.00 per day
Ellis S. Fogg.....	3d District Chief.....	Salary, \$3.00 per day
Geo. K. Adams.....	Sec'y and Chauffeur.....	Salary, \$3.00 per day
John T. Gulliver.....	Hoseman.....	Salary, \$2.75 per day
Everett E. Morrison.....	Driver, Steamer.....	Salary, \$2.75 per day
Fred M. Crowell.....	Engineer, Steamer.....	Salary, \$2.75 per day
Daniel T. Sexton.....	Hoseman.....	Salary, \$2.75 per day
D. H. Goodwin.....	Hoseman.....	Salary, \$2.75 per day
Chas. Johnson.....	Driver of Aerial Truck.....	Salary, \$2.75 per day
Otis E. Gray.....	Asst. Driver Aerial Truck.....	Salary, \$2.75 per day
Seth D. Libby.....	Aerial Ladder Man.....	Salary, \$2.75 per day
Geo. A. Rimbach.....	Aerial Ladder Man.....	Salary, \$2.75 per day
Michael H. Cochrane....	Hoseman.....	Salary, \$2.75 per day

STATION No. 2

Daniel T. Mooney.....	Driver.....	Salary \$2.75 per day
Robert C. Crockett	Assistant Driver.....	Salary \$2.75 per day

STATION NO. 3

Albert B. Smith.....	Driver Hose.....	Salary, \$2.75 per day
Geo. M. Darling.....	Assistant Driver.....	Salary, \$2.75 per day
Chester P. Clark.....	Hoseman.....	Salary, \$2.75 per day

STATION NO. 4

Wm. J. Charlton.....	Driver Hose.....	Salary, \$2.75 per day
Wm. L. Graffam.....	Driver Steamer.....	Salary, \$2.75 per day
Nathan F. Speed.....	Engineer of Steamer.....	Salary, \$2.75 per day

STATION NO. 5

Albert C. Lambert.....	Driver Hose.....	Salary, \$2.75 per day
James E. Crowley.....	Assistant Driver	Salary, \$2.75 per day
John S. O'Leary.....	Driver Ladder Truck.....	Salary, \$2.75 per day
Wm. McGrath.....	Assistant Driver Ladder.....	Salary, \$2.75 per day

STATION NO. 6

H. J. Coleman.....	Driver Hose.....	Salary, \$2.75 per day
John N. Wilshire.....	Assistant Driver.....	Salary, \$2.75 per day
Dennis J. Givren.....	Driver Steamer.....	Salary, \$2.75 per day
Walter W. Hammond.....	Engineer Steamer.....	Salary, \$2.75 per day

ON ELECTRICAL DEPARTMENT AND STREET LIGHTS

Alderman Hickson

Councilmen Grant and Ryan

ON CITY PROPERTY

Alderman O'Connor

Councilmen Epstein and MacLennan

ON PUBLIC UTILITIES

Alderman Matheson

Councilmen Burns and Johnston

ON TAXATION

Alderman Tefft

Councilmen Russell and McGrath

ON BY-LAWS AND POLICE REGULATIONS

Alderman Hickson

Councilmen Ryan and Johnston

ON ENGROSSED BILLS

Aldermen Hickson and Porter

Councilmen McFarland and McGrath

ON ELECTIONS

Aldermen Hickson, Youngs and Porter

ON ELECTIONS IN COMMON COUNCIL

Councilmen Russell and McGrath

SCHOOL COMMITTEE

Geo. W. Wescott
Frederic W. AdamsDaniel McCann
C. Parker Crowell

Walter A. Danforth

OVERSEERS OF THE POOR

Daniel W. Maxfield	Geo. F. Cameron	John J. Flynn
--------------------	-----------------	---------------

BOARD OF HEALTH

John E. Kelley	John Goldthwait	H. L. Robinson
----------------	-----------------	----------------

ASSESSORS

F. A. Garnsey	Charles F. Sweet	George G. Nelson
---------------	------------------	------------------

SEWER BOARD

Fred A. Porter, Chairman	John S. Mitchell	Ira P. Watson
--------------------------	------------------	---------------

PARK COMMISSIONERS

S. R. Prentiss	C. A. Robbins	Chas. E. Sweeney
----------------	---------------	------------------

WATER BOARD

John F. Woodman, Mayor, ex-officio

W. S. Higgins	F. P. Denaco	F. O. Beal
Milton S. Clifford	A. L. Blanchard	Hosea B. Buck

Clerk and Collector, Walter I. Brown

Chief Engineer, J. W. Dougherty

Superintendent, Melville A. Sinclair

Inspector, Cornelius O'Brien

Consulting Chemist, Prof. James M. Caird

Resident Chemist, A. C. Powell

SALARIES OF SUBORDINATE OFFICERS

Mayor.....	\$1,500 00
City Clerk.....	1,000 00
Clerk of Common Council.....	125 00
Chief of Police (including horse hire).....	1,350 00
Police-Deputy, Inspector and Captains, each, per day.....	3 25
Policemen, for each day's actual service.....	3 00
Street Commissioner.....	1,200 00
City Solicitor, including office rent.....	600 00
Chief Engineer of Fire Department (who shall devote all his time to the office) including keeping of horse.....	1,200 00
Harbor Master.....	400 00
Truant Officer, fixed by School Dept.....	
Board of Health, Secretary, (including horse hire).....	400 00
The other two members, each.....	50 00
Inspector of Plumbing, per day.....	3 00
City Treasurer and Collector of Taxes.....	2,000 00
Treasurer's Assistant.....	1,200 00
Overseers of the Poor, Sec. (including horse hire).....	600 00
The other two members, each (including horse hire).....	400 00
Superintendent of Almshouse.....	1,000 00
Superintendent of Schools.....	2,750 00
School Agent, fixed by School Dept.....	
Street Engineers (including horse hire) Alderman.....	100 00
Street Engineers, Councilman.....	50 00
School Committee, each.....	60 00

City Physician, (including horse hire and all services except in cases of smallpox, cholera and yellow fever, and the city to furnish all medicines).....	400 00
City Engineer, (including horse hire).....	1,350 00
Assessors, each, (including all services and horse hire).....	1,200 00
Assistant Assessors, per day, each.....	2 50
Superintendent of Sewers, (including horse hire).....	1,100 00
Superintendent of Public clocks.....	150 00
City Auditor.....	1,500 00
City Electrician (including horse hire).....	1,500 00
Clerk of Water Board.....	1,800 00
Engineer of Water Works.....	1,200 00
Superintendent of Water Dept.....	1,800 00
Undertaker (R. E. Hathorn) (fixed by Ordinance).....	300 00
Undertaker (Patrick Quine) (fixed by Ordinance).....	200 00
Milk Inspector.....	300 00

INDEX

	Page
Bangor Public Library:	
Board of Managers.....	172
Officers of the Library.....	172
Report of Trustees of Income of Hersey Fund.....	173
The Library Boards.....	174
Reports of the Treasurer.....	176
Report of the Librarian.....	186
Appendix	
A. Growth of the Library in 1916 by Class.....	201
B. Growth of the Library in 1916 by Source.....	201
C. Binding and Repair, 1916.....	202
D. Registration.....	203
E. Circulation by Class, 1916.....	203
F. Circulation by Month, 1916.....	204
G. Growth and Circulation for 6 years.....	204
H. Traveling Libraries.....	205
I. Overdue Books.....	205
J. Books from Stack used in Reading Room.....	205
K. Readers in Juvenile Department.....	207
L. Gifts to the Library during 1916.....	208
Serials taken at the Library.....	224
Agreement between Board of Trustees of Hersey Fund and Bangor Mechanic Association.....	233
Conveyance.....	235
Acceptance.....	237
Hersey Fund and Bangor Public Library	238

Board of Health, Report of the.....	242
Chief of Police, Report of the.....	167
City Electrician, Report of the.....	149
City Engineer, Report of the.....	265
City Government:	
City Council, 1916-1917.....	3
City Council, 1917-1918.....	479
Ward Officers.....	480
Election Officers.....	480
Board of Registration.....	481
City Officers—Elected by City Council.....	482
City Officers—Appointed by Mayor and Aldermen.....	484
Standing Committees.....	490
Salaries of Subordinate Officers.....	493
City Missionary, Report of the.....	255
City Solicitor, Report of the.....	475
Committee on City Property and Buildings, Report of the.....	257
Fire Department:	
Report of the Chief Engineer.....	163
Harbor Master, Report of the.....	245
Mayor's Address.....	5
Milk Inspector, Report of the.....	262
Overseers of Poor, Report of the.....	247
Park Commissioners, Report of the.....	360
Superintendent of Burials, Report of the.....	251
City Auditor's Report.....	12
Revenue Expenditures:	
General Government.....	16
Aldermen and Council.....	16
Mayor.....	17
Auditor and Auditing.....	17
Treasurer and Collector.....	18

Assessors.....	21
Law.....	23
City Clerk.....	24
Department of Supplies.....	25
Engineering.....	26
Inspector of Buildings.....	28
Election and Registration.....	32
City Hall.....	34
Truant Officer.....	37
School Agent.....	37
Protection of Persons and Property.....	37
Police Dept.....	37
Fire Dept.....	42
Militia.....	50
Other Protection of Persons and Property.....	51
Health and Sanitation.....	51
Health.....	51
Sanitation.....	54
Highways and Bridges.....	58
Highways.....	58
Sprinkling.....	67
Bridges.....	68
Charities.....	70
General Administration.....	70
Relief given by other Cities and Towns.....	83
Soldiers' Benefits.....	84
Education.....	84
General Administration.....	84
Teachers' Salaries.....	85
Text Books and Supplies.....	85
Janitors' Service.....	89
Fuel and Light.....	89

Maintenance and Repairs.....	90
Manual Training.....	94
Domestic Science.....	96
Night School.....	97
Incidental.....	98
Conveyance.....	101
Water.....	101
Rent of Buildings for School purposes.....	102
Libraries.....	102
Recreation.....	102
Parks and Gardens.....	102
Moth Extermination.....	104
Celebrations and Entertainments.....	104
Unclassified.....	104
Damages to Persons and Property.....	104
Memorial Day.....	105
Contingent.....	105
Public Service Enterprises:	
Electric Dept.....	110
Water Department.....	117
Cemeteries.....	122
Interest.....	123
Municipal Indebtedness.....	128
Municipal Serial Bond Requirements.....	128
Water Serial Bond Requirements.....	128
Sinking Funds.....	128
Non-Revenue Expenditures:	
General Government.....	129
Police Garage.....	129
Health and Sanitation.....	129
Highways and Bridges.....	131
Highways.....	131

Special Appropriations.....	133
High School and Library Lot.....	133
Estimated Revenue:	
Taxes.....	134
Licenses and Permits.....	134
Grants and Gifts.....	134
Special Assessments.....	135
Privileges.....	135
General Government.....	136
Protection of Persons and Property.....	136
Police Department.....	136
Health and Sanitation.....	137
Highways and Bridges.....	137
Charities.....	137
Soldiers' Benefits.....	138
Education.....	138
Public Service Enterprises.....	138
Cemeteries.....	138
Interest on Taxes and Deposits.....	139
Other Revenue.....	139
Taxes.....	140
Cash Receipts and Payments.....	140
Receipts.....	140
Tax Titles Redeemed.....	141
From State.....	141
Licenses and Permits.....	141
Grants and Gifts from State.....	142
For Education.....	142
Special Assessments.....	142
Privileges.....	142
City Hall.....	143
Protection of Persons and Property.....	143

Health and Sanitation.....	143
Highways and Bridges.....	143
Miscellaneous Accounts Receivable.....	143
Refunds.....	143
Charities.....	144
Almshouse and Farm.....	144
Reimbursements.....	144
Soldiers' Benefits.....	144
Education.....	144
Unclassified.....	144
Public Service Enterprises.....	145
Cemeteries.....	145
Interest.....	145
Payments made on account of warrants.....	146
Balance February 28, 1917.....	148
Schools, Report of the	
Calendar.....	364
Courses of Study.....	398
Directory of Teachers.....	392
Estimate for the Year 1916-17.....	368
Exhibition by Junior Class.....	466
Extracts from Regulations.....	405
Financial Statement.....	369
Graduating Exercises, Ninth Grade, Grammar Schools.....	469
Graduating Exercises, High School.....	460
High School Athletics.....	406
Honor List.....	462
Outline of Manual Training.....	427
Repairs on School Buildings.....	368
Report of the Abraham Lincoln School.....	416
Report of Evening School.....	452
Report of Hannibal Hamlin School.....	418

Report of Manual Training Department.....	425
Report of the Director of Domestic Science.....	435
Report of Principal of the High School.....	412
Report of the Superintending School Committee.....	365
Report of the Superintendent of Schools.....	373
Report of the School Agent.....	454
Report of the Supervisor of Kindergartens.....	420
Report of Truant Officer.....	459
Report of the Trustees of French Medal Fund.....	371
Rules and Regulations of School Agent.....	458
School Board.....	364
School Statistics.....	383
Statistics of Attendance.....	386
The French Medals.....	372
Street Commissioner, Report of the.....	276
Superintendent of Sewers, Report of the.....	159
Water Board, Report of the:	
Bangor Water Board.....	292
Report of Bangor Water Board.....	295
Report of Superintendent.....	297
Report of the Collector.....	304
Report of the Chief Engineer.....	309
Report of the Chemist and Bacteriologist.....	311
Location of Fire Hydrants and Nominal Pressure.....	338
Water Rates.....	348
City Ordinance Relating to Water Works.....	353
Plumbing.....	358



