```
    T H 卫 S I S
    h.i.1919
```

$$
\begin{aligned}
& \text { OCCUPATION } \\
& \text { a } n d \\
& \text { PHYSICAL CONDITION } \\
& \text { o f } \\
& \text { WORK卫RS } \\
& \text { in } \mathrm{th} \theta \\
& \text { CITYOF LONDON }
\end{aligned}
$$

```
FOR五WORD.
```

In the early period of the War I had an opportunity at the City of London Recruiting Depot to investigate the physical condition of the "City" workers. The oppottunity was unique- its like has never occurred before and may never occur again - and I took advantage of it to collect various statistics. Of these perhaps the most interesting: is the bearing of occupation on physical condition and I have embodied the results of this in the following Thesis. My thanks are due to the clerical staff of the jepot for help in assembling the material, to the statistical Department of the Ministry of National Service who worked out the percentages for me and to the Chief Commissioner of Medical Services for official permission to use the statistics.

FNQUIRY and RWSULTS.

The object of this enquiry is to try in some measure to show how different occupations stand in regard to development, defects and disease.

The men dealt with were the workers of the "City". To a large extent these belong to a special class - the employees of the great financial and mercantile institutions of London - and it is their condition that constitutes the chief interest of the results obtained.

The investigation is confined to the six months, 18 th August 1914 to 13 th February 1915, because during this period the men examined were practically all drawn from the City proper. Afterwards drafts were sent from elsewhere and as regards the special workers of the City the results ceased to have any value.

The men were all voluntary recuits between the ages of 19 and about 40. \$ach was fully and carefully examined even during the rush of the early months of the War and complete records were kept. About half of the examinations were made by myself and the remainder chiefly by the late Colonel Lees Hall, R.A.M.C. and Captain William Murray R.A.M.C

The total number of men examined during the six months was over 8000, which for an enquiry of this kind is sufficient to give a reasonable basis for average results, and they were

```
either passed as fit for general service or rejected.
The causes of rejection are classified as follows :-
    (1) Under Height Standard
    (2) Under Chest Standard
    (3) Congenital and Acquired Deformities
    (4) Defective Vision
    (5) Deafness and Diseases of the Ear
    (6) Diseases of the Nervous System
    (7) Defective Teeth
    (8) Hernia
    (9) Defective Lungs
    (10) Defective Heart
    (11) Varicose Veins
    (12) Genito-Urinary
    (13) Venereal Diseases
    (14) Skin Diseases
    (15) Miscellaneous
```

The minimum heicht was 60 in., the minimum chest measurement 33 in., and the minimum vision taken without glasses, 6-6 with either eye and 6-60 with the other. All men wᄈee rejected who showed deformities which would interfere with military efficiency, appreciable dearness or active ear disease, organic nervous disease or functional condition likely to interfere with efficiency, teeth too defective for proper mastication - no allowance was made for artificial dentures, all hernias, ofganic lung disease
and asthma, organic disease and severe functional disorders of the heart, varicose veins likely to cause trouble in marching, any serious genito-urinary disease - no systematic test of the urine was made, gonorrhoea or active syphilis, and skin disease if severe, disfiguring or contagious. The miscellaneous class of rejections includes a great variety of diseases none of which are numerous enough to be of any statistical value.

The declared occupations numbered over 300 and are classified in the following groups :--
(1) Professional and Commercial
(2) Skilled Manual Workers
(3) Warehousemen
(4) Clerks etc.
(5) Distributive and Domestic
(6) Miscellaneous
(7) Shop Assistants
(8) Unskilled Manual Workers
(9) Manufacturing Trades
(10) Printers and Compositors

The above arrangement forms a descending series of physical efficiency and this order is adhered to throughout.

The numbers and the individual occupations in the various groups are :-

## PROFESSIONAL and COMNERCIAL.

This group numbered 390 and includes the following occupations :-
PROFESSIONAL :
Actors 9
Artists 11
Authors 2
Analysts 2
Architects 9
Barristers 5
Clerical 2
Civil Service 14
Dentists 6
Journalists 16
Librarians 5
Medical 3
Missionaries 2
Parsons 2
Reporters 2
Schoolmasters 23
Solicitors 15
Surveyors 6
Valuers 2
Miscellaneous 10

COMMESRCIAL :

| Agents | 27 |
| :--- | ---: |
| Agents (Commission) | 3 |
| Brokers (Produce) | 11 |
| Brokers (Stock) | 8 |
| Buyers | 3 |
| Cheese Factors | 2 |
| Company Directors | 19 |
| Merchants | 13 |
| Manufacturers | 6 |
| Interpreters | 2 |
| Ship Owners | 2 |
| Stock Ixchange | 5 |
| Mravellers | 128 |
| Miscellaneous | 5 |

SKILIMD MANUAL WORKYRS.
This group, arranged under three sub-headings, numbered 647 and included the following occupations :-

ENGINEERS :
Boilermakers ..... 6
Fngine Drivers ..... 11
Fngineers ..... 159
Inginemen ..... 3
\#lectricians ..... 62
Fitters ..... 74
Mechanics ..... 38
ENGINEERS (continued) :-
Motermen ..... 2
Miscellaneous ..... 2
MARINE :
Lighthouse--keepers ..... 2
Mercantile Mariners ..... 10
Seamen ..... 71
Miscellaneous ..... 7
BUILDING RRADF :
Bricklayers ..... 19
Builders ..... 5
Carpenters ..... 40
Cranemen ..... 4
Cranedrivers ..... 3
Housedecoraters ..... 15
Masons ..... 6
Plumbers ..... 36
Scaffolders ..... 2
Steeplejack ..... 1
Stone Repairers ..... 4
Slaters ..... 2
Painters ..... 61
Plasters ..... 2
7.

WARTHOUSTMMEN.
This group includes 674 men.
CLWRKS.
This group numbers 2054 and includes the following
occupations :-
Accountants ..... 33
Cashiers ..... 8
Clerks ..... 1958
Draughtsmen ..... 29
Printers Readers ..... 2
Secretaries ..... 11
Ticket Writers ..... 3
Writers ..... 9
Miscellaneous ..... 2
MISCEILIANEOUS.This group numbered 774 and includes the followingoccupations :-
Attendants ..... 13
Eailiffs ..... 3
Bioscope Operaters ..... 2
Bootblacks ..... 3
Bus Conductors ..... 4
Cable Operators ..... 3
Canvassers ..... 3
Checkers ..... 15
MISCELLLANEOUS (continued) :-
Coachmen ..... 16
Collectors ..... 8
Commissionaires ..... 12
Cyclists ..... 4
Dealers ..... 13
Designers ..... 3
Draymen ..... 2
Engine-cleaners ..... 4
Farmers ..... 33
Farm Labourers ..... 11
Footballers ..... 5
Feather Samplers ..... 2
Hammermen ..... 2
Hawkers ..... 21
Horsekeepers ..... 12
Independent ..... 67
Improvers ..... 5
Jockeys ..... 2
Liftmen ..... 43
Lightermen ..... 6
Messengers ..... 103
Musicians ..... 16
Newsvendors ..... 41
Pawnbrokers ..... 9
Planters ..... 7
Post Office Servants ..... 2
Postmen ..... 13
MISCELLANEOUS (continued) :-
Police Constables 3
Press-hands 4
Prospectors 2
Ranchers 5
Roundsmen 3
Railway Servants 9
Scavangers 22
Scullers 2
Stevedores 10
Storekeepers 34
Students 24
Telegraphists 6
Telephonists 15
Timekeepers 2
Van Boys 3
Van Guards $\quad 16$
Waiters . 61
Window Cleaners 14
Watchmen 2
Window Dressers 3
Unclassified 24
DISTRIBUTIVE and DOMBSTIC
This group, arranged under three sub-headings, numbered
634 and includes the following occupations :-
Bacon Dryer ..... 1
Bakers ..... 28
Booksellers ..... 2
Butterman ..... 1
Butchers ..... 76
Chemists ..... 21
Clothiers ..... 2
Coffee Roasters ..... 1
Confectioners ..... 5
Dairymen ..... 14
Dispensers ..... 2
Druggists ..... 5
Fishmongers ..... 24
Fish Curers ..... 2
Fruit and Florists ..... 11
Oil Trade ..... 3
Oil Miller ..... 1
Picture Dealer ..... 1
Sweet Boiler ..... 1
Stationers ..... 7
Tea Trade ..... 2
Tea Samplers ..... 6
Tobacconists ..... 6
Tobacco Strippers ..... 6
Undertaker ..... 1

FOOD and DRINK :-
Barmen 70

Caterers 4
Cellermen 33
Cooks 56
Boiler I
Fish Fryer I
Hotel Managers 2
Restaurant Assistants 2
Scullerymen 4
Stewards 36

DOMESTIC :-
Butlers 4
Caretakers $\epsilon$
Chauffeurs 24
Chambermen 2
Call Boy 1
Footmen and Grooms 48
Gardeners 11
Housekeepers 8
Hairdressers 32
Servants 4
Stablemen 5
Valets 13

This group includes 369 men.

UNSKILLED MANUAL WORKISRS.
This group numbered 1708 and includes the following occupations :-

Carmen 324
Labourers 517
Packers 229
Porters 593
Miscellaneous 45

MANUFACTURING TRADES.
This group numbered 844 and includes the following occupations :-

Barometer Makers 2
Basket Makers 3
Bat Makers 3
Blacksmiths 14
Bookbinders 25
Boot Makers 27
Box Makers 8
Brass $\quad$ inishers 4
Brassfounders 2
Brewers 8
Brick Makers 49

MANUAACTURING TRADES (continued) :-
Coopers 6

Cabinet Makers 49
Colliers 5
Chasers (Silver) 2
Cutters 10
Cutters (Box) 3
Cutters (Cardboard) 4
Cutters (Ivory) 2
Cutters (Fret) 3
Cutters (Skirt) 16
Coach Makers 3
Clothworkers 2
Card Makers 5
Chair Makers 2
Cycle Repairers 2
Case Makers 7
Dyers 6
Enamellers 2
Engravers 13
Furriers 22
Factoryhands 8
French Polishers 33
Farriers 4
Frame Makers 3
Foremen 3
MANUFACTURING TRADES (continued) :-
Fancy Leather Workers ..... 2
Galvanizers ..... 2
Grinders (Stone) ..... 2
Gold Blockers ..... 5
Glass Bevellers ..... 2
Glass Workers ..... 2
Glass Blowers ..... 5
Harness Makers ..... 2
Hat Blockers ..... 3
Hat Makers ..... 13
Instrument Makers ..... 8
Ink Nakers ..... 8
Iron Moulders ..... 3
Iron Plate Workers ..... 2
Joiners ..... 5
Jewellers ..... 22
Laundry-hands ..... 2
Leather Workers ..... 21
Lamp Makers ..... 2
Moulders ..... 4
Metal Workers ..... 9
Mount Fitters ..... 3
Machinists ..... 39
Mantle Trimmers ..... 6

Miners (Coal) 4
Paper Stainers 3
Packing Case Makers 13
Polishers (Metal) 11
Potters 2
Pipe Fitters 3
Platers (Flectro) 2
Photographers 17
Pressers 12
Piano Makers 2
Pavioners 5
Saddlers 5
Scale Makers 3
Sorters (Cork) 2
Stampers 3
Sponge Trimmers 2
Skin Dressers 2
Stereotypers 3
Steelworkers 2
Stick Makers 9
Solderers 3
Sawyers 17
Tailers 110
Trunk Makers 4
Type Founders 4

MANUFACIPURING TRADES (continued) :-

| Turners | 6 |
| :--- | ---: |
| Tinsmiths | 18 |
| Upholsterers | 12 |
| Umbrella Makers | 6 |
| Weavers (Silk) | 2 |
| Wood Carvers | 6 |
| Watchmakers | 7 |
| Writers (Sign) | 6 |
| Wheelwrights | 5 |
| Wiremen | 8 |
| Wireworkers | 4 |
| Miscellaneous | 37 |

PRINITRRS and COMPOSIIMRS.
This group included 339 men.

The results are given in tabular form :-
Table A shows the occupational groups in order of efficiency and the number of rejections in each group for each cause of rejection.

Table $B$ shows in the same way the percentages of rejection in each group for each cause of rejection.

Table C eives the relative order of the occupations in each cause of rejection.

No comment of any kind is required as the Tables have been constructed to bring out all the results clearly both generally and in detail.

It may, however, be pointed out that the results fall within what might have been expected. That the Professional and Commercial group should come first was certainly to be expected. Professional men as a class have a higher standard of physical fitness and the young business man of London is a judicious blend of brains and athleticism.
// The high taken by the Skilled Manual Worker is largely the effect of what may termed occupational selection . It selects the more efficient for the more desirable occupations and has specially free play in this group. The reverse side of occupational selection, the leaving of the weaker for the less desirable occupations, is well shown in the unfavourable position taken by the Unskilled Manual Workers.

The high standard of the Warehousemen and the contrast between them and the allied group of Shop Assistants may be explained by the fact that the former are nearly all recruited from the country - curiously enough from wales and Cornwall.

The large group of clerks are nearly all drawn from London and may be taken as a typical product of middle class urban life. That they come out so well is one of the most satisfactory features of the enquiry.

The position of the Distributive and Domestic group was to be expected from the unfavourable conditions of many of its occupations such as barmen and bakers and the same applies to the Printers and Compositors.

The bad record of the Manufacturing Trades gives food for serious thought and it is a point of special interest that the relative position can be seen in London. In a purely manufacturing town the majority and probably the fittest are forced into the dominating industry and any comparison with other occupations is obscured.

Although it does not come within the scope of this enquiry a brief reference may be made to two points at present of public interest. One is the remarkable absence of venereal disease - only eight cases, most of them syphilis, were detected. The other is the high standard as a whole, over 70 per cent were Al men, which does not bear out the commonly accepted statements about a Clll population. The data for these statements were no doubt obtained from a later stage of recruiting and, taken by themselves, are highly misleading.

| Occupations in Descending Series of Physicial Efficiency |  |  |  |  |  |  |  | $\begin{aligned} & \text { s } \\ & 0 \\ & 0 \\ & \text { EH } \\ & 0 \\ & 0 \\ & \overleftarrow{H} \\ & 0 \\ & 0 \\ & \hline \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { a } \\ & \stackrel{a}{4} \\ & \underset{\sim}{4} \end{aligned}$ |  |  |  |  |  | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \sim \\ & A \\ & d \\ & d \\ & d \\ & d \end{aligned}$ |  | $$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Professional \& Commercial | 390 | 1 | 15 | 5 | 16 | 2 |  | 13 | 3 | 2 | 7 | 6 |  | 2 |  | 5 | 77 | 19.7 |
| Skilled Manual Workers | 647 | 9 | 41 | 6 | 28 | 3 | 4 | 15 | 7 | 11 | 9 | 3 | 3 |  | 3 | 10 | 152 | 23.5 |
| Warehousemen | 674 | 3 | 54 | 1 | 45 | 8 | 1 | 9 | 3 | 7 | 18 | 1 | 6 |  | 2 | 5 | 163 | 24.2 |
| Clerks etc. | 2,054 | 5 | 225 | 8 | 137 | 8 | 3 | 20 | 18 | 17 | 51 | 15 | 5 |  | 3 | 9 | 524 | 25.5 |
| Miscellaneous | 774 | 7 | 80 | 10 | 32 | 3 | 2 | 16 | 5 | 10 | 21 | 9 | 3 |  | 3 | 9 | 210 | 27.1 |
| Distributive \& Domestic | 634 | 10 | 44 | 4 | 46 | 3 | 1 | 8 | 8 | 4 | 25 | 9 | 5 |  | 3 | 5 | 175 | 27.6 |
| Shop Assistants | 369 | 3 | 36 | 1 | 21 |  | 1 | 6 | 6 | 3 | 13 | 3 | 6 |  | 1 | 2 | 102 | 27.6 |
| Unskilled Manual Workers | 1,708 | 44 | 157 | 19 | 119 | 14 | 8 | 27 | 38 | 29 | 38 | 30 | 8 | 3 | 7 | 11 | 552 | 32.4 |
| Manufacturing Trades | 844 | 13 | 104 | 7 | 44 | 17 | 6 | 12 | 12 | 19 | 27. | 12 | 3 | 2 | 4 | 4 | 286 | 33.8 |
| Printers \& Compositors | 339 | 5 | 50 | 6 | 31 | 4 |  | 5 | 5 | 6 | 15 | 2 | 2 | 1 |  | 1 | 133 | 39.2 |
| \|L================ | 8,433 | 100 | 806 | 67 | 519 | 62 | 26 | 131 | 105 | 108 | 224 | 90 | 41 | 8 | 26 | 61 | 2,374 | 28.2 |
| \% of Total Rejected |  | 4.2 | 34 | 2.8 | 21.9 | 2.6 | 1.1 | 5.5 | 4.4 | 4.6 | 9.4 | 3.8 | 1.7 | . 3 | 1.1 | 2.6 |  |  |
| \% of Number Examined |  | 1.2 | 9.5 | . 8 | 6.2 | . 7 | . 3 | 1.6 | 1.2 | 1.3 | 2.7 | 1.1 | . 5 | . 1 | . 3 | . 7 |  |  |


| Occupations in Descending Series of Physical Efficiency |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Professional \＆Commercial | $\begin{array}{r} .3 \\ 1.3 \end{array}$ | $\begin{array}{r} 5.8 \\ 19.5 \end{array}$ | $\frac{1}{6.5} \cdot 5$ | $\begin{array}{r} 4.1 \\ 20.8 \end{array}$ | $2.5$ |  | $\begin{array}{r} 3.3 \\ 16.9 \end{array}$ | $4.8$ | $2.5$ | $\begin{aligned} & 1.8 \\ & 9.1 \end{aligned}$ | $\begin{aligned} & 1.5 \\ & 7.8 \end{aligned}$ |  | $2.5$ |  | $\begin{aligned} & \frac{1}{6} \cdot 3 \\ & 6.3 \end{aligned}$ | 19.7 |
| Skilled Manual Workers | $\begin{aligned} & 1.4 \\ & 5.9 \end{aligned}$ | $27.3$ | $4.9$ | $\begin{array}{r} 4.3 \\ 18.4 \end{array}$ | 2.5 | $2.6$ | $2 \cdot 3$ | $\frac{1}{4} \cdot \frac{1}{6}$ | $\begin{aligned} & 1.7 \\ & 7.2 \end{aligned}$ | $\begin{aligned} & 1.4 \\ & 5.9 \end{aligned}$ | 2.5 | 2.5 |  | 2.5 | $\frac{1}{6.5}$ | 23.5 |
| Warehousemen | $\begin{array}{r} .4 \\ 1.8 \end{array}$ | $\begin{array}{r} 83.1 \end{array}$ | $.2$ | $\begin{array}{r} 6.7 \\ 27.6 \end{array}$ | $\frac{1}{5} .2$ | $.2$ | $\begin{aligned} & 1.3 \\ & 5.5 \end{aligned}$ | $\begin{array}{r} .4 \\ 1.8 \end{array}$ | $\frac{1}{4.3}$ | $\begin{array}{r} 2.7 \\ 11.1 \end{array}$ | $.2$ | $3.9$ |  | $\begin{aligned} & .3 \\ & 1.2 \end{aligned}$ | $3.7$ | 24.2 |
| Clerks etc． | 1.2 | $\begin{aligned} & 11 \\ & 42.9 \end{aligned}$ | $1.4$ | $\begin{array}{r} 6.7 \\ 26.2 \end{array}$ | $.4$ | $. \frac{1}{6}$ | $\frac{1}{3.8}$ | $3.9$ | $\begin{array}{r} .8 \\ 3.2 \end{array}$ | $\begin{aligned} & 2.5 \\ & 9.7 \end{aligned}$ | $\begin{array}{r} .7 \\ 2.9 \end{array}$ | $1 .$ |  | $. \frac{1}{.}$ | $\begin{array}{r} .5 \\ 1.7 \end{array}$ | 25.5 |
| Miscellaneous | $\begin{array}{r} .9 \\ 3.3 \end{array}$ | $\begin{aligned} & 10.3 \\ & 38.1 \end{aligned}$ | $\begin{aligned} & 1.3 \\ & 4.8 \end{aligned}$ | $\begin{array}{r} 4.1 \\ 15.2 \end{array}$ | $1.4$ | $\text { . } 3 .$ | $\begin{aligned} & 2.1 \\ & 7.6 \end{aligned}$ | $\begin{array}{r} .6 \\ 2.4 \end{array}$ | $\begin{aligned} & 1.3 \\ & 4.8 \end{aligned}$ | $\begin{array}{r} 2.6 \\ 10 . \end{array}$ | $\begin{aligned} & 1.3 \\ & 4.3 \end{aligned}$ | $\begin{array}{r} .4 \\ 1.4 \end{array}$ |  | $\begin{array}{r} .4 \\ 1.4 \end{array}$ | $\begin{aligned} & 1.3 \\ & 4.3 \end{aligned}$ | 27.1 |
| Distributive \＆Domestic | $\frac{1.6}{5.7}$ | $\begin{array}{r} 6.9 \\ 25.1 \end{array}$ | $\begin{array}{r} .6 \\ 2.3 \end{array}$ | $\begin{array}{r} 7 \cdot 3 \\ 26: 3 \end{array}$ | $1.5$ | $.2$ | $\begin{aligned} & 1.2 \\ & 4.6 \end{aligned}$ | $\begin{aligned} & 1.2 \\ & 4.6 \end{aligned}$ | $\begin{array}{r} .6 \\ 2.3 \end{array}$ | $14.3$ | $\frac{7}{5} .4$ | $\begin{array}{r} .8 \\ 2.9 \end{array}$ |  | 1.7 | $\begin{array}{r} .8 \\ 2.9 \end{array}$ | 27.6 |
| Shop Assistants | $\begin{array}{r} .8 \\ 2.9 \end{array}$ | $\begin{array}{r} 9.7 \\ 35.3 \end{array}$ | 1.3 | $\begin{array}{r} 5.7 \\ 20.6 \end{array}$ |  | 1.3 | $\begin{aligned} & 1.6 \\ & 5.9 \end{aligned}$ | $\begin{aligned} & 1.6 \\ & 5.9 \end{aligned}$ | $2.8$ | $\begin{array}{r} 3.5 \\ 12.7 \end{array}$ | $\begin{aligned} & .8 \\ & 2.9 \end{aligned}$ | $\begin{aligned} & 1.6 \\ & 5.9 \end{aligned}$ |  | 1.3 | 2.6 | 27.6 |
| Unskilled Manual Workers | $\begin{aligned} & 2.6 \\ & 7.9 \end{aligned}$ | $\begin{array}{r} 9.2 \\ 28.4 \end{array}$ | $\begin{aligned} & 1.1 \\ & 3.4 \end{aligned}$ | $21: 6$ | $2.8$ | $1.5$ | $\frac{1}{5} .6$ | $\begin{aligned} & 2.2 \\ & 7 . \end{aligned}$ | $\begin{aligned} & 1.7 \\ & 5.2 \end{aligned}$ | $\begin{aligned} & 2.2 \\ & 7.2 \end{aligned}$ | $\begin{aligned} & 1.8 \\ & 5.4 \end{aligned}$ | $\begin{aligned} & .5 \\ & 1.4 \end{aligned}$ | $\begin{aligned} & .2 \\ & .5 \end{aligned}$ | $1.4$ | ${ }_{2.6}^{.6}$ | 32.4 |
| Manufacturing Trades | $\begin{aligned} & 1.5 \\ & 4.5 \end{aligned}$ | $\begin{aligned} & 12.3 \\ & 36.4 \end{aligned}$ | $\begin{array}{r} .8 \\ 2.4 \end{array}$ | $\begin{array}{r} 5.2 \\ 15.4 \end{array}$ | $\begin{aligned} & 2.1 \\ & 5.9 \end{aligned}$ | $\begin{aligned} & .7 \\ & 2.2 \end{aligned}$ | $\frac{1}{4.4}$ | $\begin{aligned} & 7.4 \\ & 4.2 \end{aligned}$ | $2.2$ | $\begin{aligned} & 3.2 \\ & 9.4 \end{aligned}$ | $\begin{aligned} & 1.4 \\ & 4.2 \end{aligned}$ | $1.4$ | $\begin{aligned} & .2 \\ & .7 \end{aligned}$ | $\begin{array}{r} .5 \\ 1.4 \end{array}$ | $1.5$ | 33.8 |
| Printers \＆Compositors | $\begin{aligned} & 1.5 \\ & 3.8 \end{aligned}$ | $\begin{aligned} & 14.7 \\ & 37.6 \end{aligned}$ | $\begin{aligned} & 1.8 \\ & 4.5 \end{aligned}$ | $23.3$ | $\frac{1}{3} .2$ |  | $\begin{aligned} & 1.5 \\ & 3.8 \end{aligned}$ | $\begin{aligned} & 1.5 \\ & 3.8 \end{aligned}$ | $\begin{aligned} & 1.8 \\ & 4.5 \end{aligned}$ | $\begin{array}{r} 4.4 \\ 11.3 \end{array}$ | $\begin{aligned} & .6 \\ & 1.5 \end{aligned}$ | $\begin{array}{r} .6 \\ 1.5 \end{array}$ | $\begin{array}{r} .3 \\ .7 \end{array}$ |  | $\begin{aligned} & .3 \\ & .7 \end{aligned}$ | 39.2 |
| \％of Total Examined | 1.2 | 9.5 | ． 8 | 6.2 | ． 7 | ． 3 | 1.6 | 1.2 | 1.3 | 2.7 | 1.1 | ． 5 | ． 1 | ． 3 | ． 7 |  |
| \％of Total Rejected | 4.2 | 34. | 2.8 | 21.9 | 2.6 | 1.1 | 5.5 | 4.4 | 4.6 | 9.4 | 3.8 | 1.7 | ． 3 | 31.1 | 2.6 |  |


|  | T A B E C. | REIATIVE ORDER OF OCCUPA | IONS IN PERCENTAGES OF REJECTION |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |


|  |  |  |  |
| :--- | :--- | :--- | :--- |

