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ANNUAL REPORT
OF THE
FIRE DEPARTMENT
OF THE
CITY OF BOSTON
FOR THE
YEAR ENDING 31 JANUARY, 1919



✓
CITY OF BOSTON
PRINTING DEPARTMENT
1919



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ANNUAL REPORT
OF THE
FIRE DEPARTMENT
FOR THE YEAR 1918-19.

BOSTON, February 3, 1919.

HON. ANDREW J. PETERS,
Mayor of Boston:

SIR,— As provided by section 24, chapter 3, Revised Ordinances of 1898, City of Boston, I have the honor to present herewith a report of the activities of the Fire Department for the year ending January 31, 1919.

Appended to my statement are reports from the officers in charge of the different branches and information and statistics of general interest concerning the work, personnel and property of the department.

FINANCES.

Two million two hundred ninety-one thousand four hundred and ninety-one dollars and fifty-three cents was expended by the Fire Department during the past fiscal year. The income of the department from various sources amounted to \$9,664.14.

PERSONNEL.

Twenty-five members were retired during the year on account of age and disability, and two by act of the Legislature.

MOTOR APPARATUS.

No motor apparatus were purchased during the year except six new Buick roadsters for the District Chiefs.

FIRE LOSSES.

During the year the department responded to 5,062 alarms. The fire loss for the year amounted to \$2,822,-109.00, including \$5,503 in marine loss.

ALTERATIONS TO HOUSES.

The following engine and ladder houses have been furnished with shower baths:

Engine 16, 37, 40, 42, and Ladder 9, 3 and 23; also new lockers for men in Ladder House No. 3, and in Engine House No. 40; also new Dutch doors for Ladder and Engine 3 and Ladder 6 — also horse stalls removed and a new patrol desk built for Ladder 6. A new room was built for the captain of Engine 11.

In conclusion I would inform you that the members of the department have worked hard and faithfully during the past year. Between the Fire and other departments of the city an excellent spirit of coöperation exists and for the assistance rendered by the heads of other city departments, especially the Police Commissioner and the Commissioners of Public Works, Wire and Building Departments, I am deeply grateful.

Yours very respectfully,

JOHN GRADY,
Fire Commissioner.

NAMES OF CHIEF ENGINEERS, OR CHIEF OF DEPARTMENT, SINCE THE FIRE DEPARTMENT WAS ESTABLISHED, JANUARY, 1826.

| | |
|-------------------------------|-----------|
| Samuel D. Harris | 1826-28 |
| Thomas C. Amory | 1829-35 |
| William Barnicoat | 1836-53 |
| Elisha Smith, Jr | 1854-55 |
| George W. Bird | 1856-65 |
| John S. Damrell | 1866-74 |
| William A. Green | *1874-84 |
| Lewis P. Webber | 1884-1901 |
| William T. Cheswell | 1901-06 |
| John A. Mullen | 1906-14 |
| John Grady | *1914 |
| Peter F. McDonough | 1914-19 |

* Appointed Fire Commissioner.

FIRE ALARM BRANCH.

FROM: THE SUPERINTENDENT OF FIRE ALARM BRANCH.
 TO: THE FIRE COMMISSIONER.
 SUBJECT: ANNUAL REPORT.

I respectfully submit the following report of the Fire Alarm Branch for the year ending January 31, 1919.

OPERATING DIVISION.

NOTE.—The records of this division are for the calendar year 1918.

Box alarms received and transmitted:

| | |
|--|-------|
| First alarms | 2,403 |
| Second alarms | 37 |
| Third alarms | 21 |
| Fourth alarms | 4 |
| Exhibition alarm, "Liberty Loan" drive | 1 |

Box alarms received but not transmitted:

| | |
|---|-----|
| Alarms received from same box for same fire two or more times | 214 |
| Alarms received from adjacent boxes for same fire | 188 |
| Alarms received from boxes but treated as stills | 11 |

Still alarms received and transmitted:

| | |
|--|-------|
| Received from citizens by telephone | 1,393 |
| Received from Police Department | 166 |
| Received from department stations | 991 |
| "Mutual aid" alarms, classified as stills | 21 |
| Emergency calls treated as stills | 56 |
| Still alarms for which box alarms were later transmitted | 121 |

Automatic and A. D. T. alarms:

| | |
|--|-----|
| Boston Automatic alarms received | 120 |
| Department box alarms received and transmitted in connection with same | 4 |
| Boston Automatic alarms received in connection with stills | 2 |

FIRE DEPARTMENT.

5

| | |
|---|----|
| A. D. T. alarms received | 49 |
| A. D. T. alarms transmitted | 46 |
| Department boxes received and transmitted after receipt of A. D. T. alarm | 1 |

TOTAL ALARMS.

| | |
|--|--------------|
| Box alarms received | <u>2,868</u> |
| Box alarms transmitted (including multiples) | 2,465 |
| Stills, automatic, etc., eliminating those for which box alarms were transmitted | <u>2,676</u> |
| Total alarms transmitted, all classes | 5,141 |

FIRE ALARM BOX RECORDS.

| | |
|--|-------|
| Boxes from which no alarms were received | 500 |
| Box tests and inspections | 7,908 |

CONSTRUCTION DIVISION.

Underground Construction.

Because of high cost of labor and materials due to war conditions no extensive underground construction was done.

Eighteen thousand three hundred (18,300) feet of cable containing about thirty-one (31) miles of conductors was hauled into underground ducts.

Twenty-nine hundred forty-five (2,945) feet of ducts were installed underground.

Sixteen (16) fire alarm box posts and three (3) test posts were set and twenty (20) fire alarm posts and two (2) test posts were replaced by new.

Fire Alarm Boxes.

Fifty-two (52) fire alarm boxes were established, of which seven (7) are public boxes, thirty-eight (38) are schoolhouse boxes and seven (7) were placed on private property.

Interior Electrical Construction.

Although our force of wire men was small, because of men on leave of absence in war service, many improvements were made in electrical equipments in various department houses.

The stations of Engines 5, 49 and 50 have complete new electrical equipments.

RECOMMENDATIONS.

Because of high cost of underground construction no extensive extensions to the system are recommended. Conduits should be installed where streets are to be repaved in the districts prescribed by the Commissioner of Wires for the removal of overhead wires. A sufficient amount of cable should be bought for emergency purposes and for extensions where the underground work is necessary at this time.

Overloaded circuits should be relieved by adding new circuits and some of the overhead construction must be renewed.

Considerable work still remains to be done to bring interior wiring up to standard requirements.

New protectors should be installed in the fire alarm office, better facilities for testing are contemplated, and the gong transmitter should be put in proper condition.

I recommend that all stations be equipped with telegraph instruments connected into the gong circuits for the purpose of serving as another means of communication.

A few new fire alarm boxes should be installed and the red light system should be extended.

FIRE ALARM BOX POSTS INSTALLED AND DUCT LENGTHS TO SAME.

Dorchester.

| | Duct Feet. |
|---|---------------|
| Bowdoin and Quincy streets. (Two ducts) | 40 |
| Bowdoin and Norton streets. (One duct) | 11 |
| Opposite No. 101 Draper street | 320 |
| Washington street and Harvard avenue | 9 |
| Canterbury and Angell streets | 112 |
| Neponset avenue and Adams street | 46 |
| Willowood street and Ballou avenue | 31 |
| Norfolk and Morton streets | 40 |
| Norfolk and Evelyn streets | 46 |

South Boston.

| | |
|---|----|
| Dorchester and East Ninth streets | 42 |
| West Seventh and C streets | 31 |
| West Third and B streets | 31 |
| East Fifth and K streets | 34 |

City Proper.

| | |
|----------------------------------|-----|
| Opposite No. 86 Fenway | 269 |
|----------------------------------|-----|

West Roxbury.

| | |
|---|-----|
| Mt. Vernon street and Chapin avenue | 181 |
| Montview street near Park street | 65 |

NEW TEST POSTS INSTALLED AND DUCT LENGTHS TO SAME.

| | Duct Feet. |
|---|---------------|
| Tremont and Ruggles streets. (Four ducts) | 43 |
| Causeway and Lowell streets. (Four ducts) | 29 |
| Blue Hill avenue and Canterbury street. | |

WOODEN TEST POSTS REPLACED BY IRON POSTS.

Atlantic and Northern avenues.
Sheridan square.

DUCTS INSTALLED.

| | Duct Feet. |
|--|---------------|
| Pole to quarters of Engine 49 | 92 |
| Quarters of Engine 50 to residence of Chief of Department | 60 |
| Manhole to quarters of Engine 11 | 55 |
| Pole connection at Canterbury street and Circuit drive, | 60 |
| Pole connection at Neponset avenue and Victory road | 154 |
| Pole connection at Geneva avenue and Topliff street | 48 |
| Between manholes at Blue Hill avenue and Canterbury street | 89 |
| Pole connection at West Fourth and E streets | 90 |
| Between manholes on West Sixth street (replacement account new bridge) | 320 |

MANHOLES BUILT.

Shawmut avenue, near Brookline street.
Athens and B streets.
Mt. Vernon and Centre streets.
Mt. Vernon street and Chapin avenue.

PUBLIC FIRE ALARM BOXES ESTABLISHED.

- 2324. Opposite 86 Fenway.
- 2744. Montview street, near Park street.
- 3326. Washington street and Harvard avenue.
- 3529. Woolson and Sutton streets.
- 7226. West Sixth and E streets.
- 7412. East Ninth and Dorchester streets.
- 7433. West Fifth and K streets.

SCHOOLHOUSE BOXES ESTABLISHED.

- 1576. Prince School, Newbury and Exeter streets.
- 2129. Albert Palmer School, Eustis street.
- 2137. Winthrop Street School.
- 2138. Mt. Pleasant Avenue School.
- 2163. W. L. P. Boardman School, Munroe street.

2164. Hull School, Quincy street.
 2187. Williams School, Homestead street.
 2247. Miles Standish School, Roxbury street.
 2268. Abbie W. May School, Thornton street.
 2269. Thornton Street School.
 2429. Chestnut Avenue School.
 2456. Margaret Fuller School, Glen road.
 2534. Philbrick School, Philbrick street.
 2619. Mozart School, Beech street.
 2762. Henry L. Vane School, Gardner street.
 3181. Quincy Street School.
 3247. Savin Hill School, Savin Hill avenue.
 3275. Benjamin Cushing School, Robinson street.
 3367. Emily A. Fifield School, Dunbar avenue.
 3424. Rochambeau School, Gibson street.
 3544. Martha Baker School, Walk Hill street.
 3617. Bailey Street School.
 3714. Trescott School, Rosemont street.
 3726. Greenwood School, Metropolitan avenue.
 3737. Amos Webster School, Hilton street.
 3742. Hyde Park High School.
 3766. Weld School, Highland street.
 3836. Damon School, Readville street.
 3857. Hemenway School, Wolcott street.
 410. Jacob Foss School, Adams and Chestnut streets.
 418. Samuel Dexter School, Harvard street.
 5174. Mary L. Brock School, Chestnut Hill avenue.
 5182. Winship School, Dighton street.
 5197. Oak Square School.
 5219. Harvard School, North Harvard street.
 5268. Auburn School, Waverly street.
 5289. Hobart Street School.
 7451. Benjamin Pope School, East Fifth and O streets.

BOXES INSTALLED ON PRIVATE PROPERTY.

1324. American House. (Auxiliary.)
 2337. United Drug Company, Forsyth street. (Auxiliary.)
 2338. United Drug Company, Greenleaf street. (Auxiliary.)
 3491. Victory Plant, Squantum.
 5112. Commonwealth Armory (owned by city).
 7145. United States Army Warehouse, D street (owned by city).
 7146. United States Army Warehouse, E street (owned by city).

FIRE ALARM BOXES IN SERVICE.

| | |
|---|-------|
| Total number | 1,195 |
| Owned by Fire Department | 839 |
| Owned by Schoolhouse Department | 200 |
| Owned by Auxiliary Fire Alarm Company | 66 |
| Privately owned | 90 |

Department boxes:

| | |
|---|-----|
| On lamp-posts | 400 |
| On poles | 416 |
| On buildings | 19 |
| Inside buildings | 4 |
| Equipped with keyless doors (bell-ringing attachment) | 787 |
| Equipped with keyless doors (glass guards) | 48 |
| Equipped with key doors | 4 |
| Equipped with auxiliary attachments | 14 |
| Designated by red lights | 395 |

Schoolhouse boxes:

| | |
|---|-----|
| On lamp-posts | 17 |
| On poles | 16 |
| On outside of buildings | 97 |
| Inside of buildings | 70 |
| Equipped with keyless doors | 139 |
| Equipped with key doors | 61 |
| Equipped with auxiliary attachments | 154 |
| Designated by red lights | 16 |

Auxiliary Fire Alarm Company boxes:

| | |
|---------------------------------------|----|
| On fire alarm box post | 1 |
| On poles | 6 |
| On outside of buildings | 19 |
| Inside of buildings | 40 |
| Equipped with keyless doors | 12 |
| Equipped with key doors | 54 |

Private boxes:

| | |
|--|----|
| On poles | 6 |
| On outside of buildings | 25 |
| Inside of buildings | 59 |
| Equipped with keyless doors | 13 |
| Equipped with key doors | 77 |
| Equipped with auxiliary attachment | 2 |

CLASSIFICATION OF FIRE ALARM BOX STATIONS.

| | |
|---------------------------------|----|
| Academies | 5 |
| Armory | 1 |
| Asylums | 3 |
| Car barns | 5 |
| Cemetery | 1 |
| Church | 1 |
| City Yard | 1 |
| Homes for aged people | 2 |
| Hospitals | 18 |

Carried forward 37

| | |
|------------------------------------|--------------|
| <i>Brought forward</i> | 37 |
| Hotels | 6 |
| Manufacturing plants | 26 |
| Museum | 1 |
| Navy Yard | 6 |
| Newspaper plant | 1 |
| Office buildings | 3 |
| Police Station (Chelsea) | 1 |
| Power Stations | 5 |
| Prison | 1 |
| Public hall | 1 |
| Pumping station | 1 |
| Railroad shops | 4 |
| Railroad stations | 5 |
| Railroad yards | 11 |
| Retail stores | 6 |
| Restaurant | 1 |
| Schoolhouses | 200 |
| Stable | 1 |
| Stock yards | 2 |
| Street (public) boxes* | 829 |
| Theaters | 28 |
| Warehouses | 5 |
| Wharves | 10 |
| Wholesale houses | 4 |
| Total | 1,195 |

POSTS AND TEST BOXES.

| | |
|---|-----|
| Fire alarm box posts in service | 421 |
| Fire alarm box posts set but not in service | 4 |
| Test posts in service | 67 |
| Pole test boxes in service | 191 |

CIRCUITS.

| | |
|--|----|
| Number of box circuits | 61 |
| Number of tapper circuits | 14 |
| Number of gong circuits | 13 |
| Number of telephone circuits to department stations, | 47 |
| Number of telephone circuits to Beach Exchange | 7 |
| Special telephone circuit to Back Bay | 1 |
| Special telephone circuit to Police Headquarters | 1 |
| Special telephone circuit to A. D. T. office | 1 |
| Telephone connection to Boston Automatic Fire Alarm Company's office | 1 |
| Telephone connection to Protective Department | 1 |

The above telephone service is from department exchange board.

* About one hundred schoolhouse and private boxes are accessible to the public, but are not counted as street boxes.

WIRES, CABLES AND CONDUITS.

| | |
|---|--------------|
| Line wire in service | 232 miles |
| Aerial cable in service | 25 miles |
| Conductors in same | 143 miles |
| Aerial conductors in service | 101 miles |
| Underground cable in service | 138 miles |
| Conductors in same | 2,134 miles |
| Underground cable conductors in service | 1,254 miles |
| Conduits owned by Fire Department | 55,712 feet |
| Ducts in Fire Department conduits | 71,258 feet |
| Ducts in New England Telephone and Telegraph Company's system used by Fire Department, | 503,560 feet |
| Ducts in Postal Telegraph Company's system used by Fire Department | 4,569 feet |

FIRE ALARM APPARATUS.

| | |
|---|-----|
| Tappers in service | 143 |
| Boston tappers in adjacent towns and cities | 6 |
| Tappers connected to adjacent systems in Boston Fire Department stations | 5 |
| Gongs in service | 114 |
| Registers in service in department stations | 23 |
| Relays in service in department stations | 11 |
| Tower bell in service | 1 |
| Telephone in department system | 135 |

PUBLIC CLOCKS.

This department keeps in operation twenty-six tower clocks, of which twenty-two are owned by the city.

Forty-five reports of clock troubles were attended to during the year.

SUMMARY OF WORK DONE.

| | Feet. |
|--|--------|
| New line wire used | 7,800 |
| Old wire removed from poles | 31,400 |
| Aerial cable installed (new work) | 15,086 |
| Conductors in same | 94,360 |
| Aerial cable removed from service | 4,650 |
| Conductors in same | 26,120 |
| Underground cable installed in ducts of New England Telephone and Telegraph Company | 9,114 |
| Conductors in same | 81,912 |
| Underground cable installed in ducts of Postal Tele- graph Company | 1,275 |
| Conductors in same | 5,100 |
| Underground cable installed in department ducts | 3,442 |
| Conductors in same | 23,506 |

| | |
|--|---------|
| Total underground cable installed (new work) | 13,831 |
| Conductors in same | 110,518 |
| Cable used to replace old cable | 6,158 |
| Conductors in same | 181,790 |
| Conduits laid by this department | 2,348 |
| Ducts in same | 2,945 |
| Manholes built | 1 |

FIRE ALARM BOXES INSTALLED.

| | |
|---|----|
| By Fire Department | 7 |
| By Schoolhouse Department | 38 |
| By Auxiliary Fire Alarm Company | 1 |
| By owners of private boxes | 6 |
| Fire alarm box posts set (addition to service) | 16 |
| Fire alarm box posts reset or replaced by new | 20 |
| Fire alarm test posts set (addition to service) | 3 |
| Fire alarm test posts replaced by new | 2 |
| Fire alarm pole test boxes installed | 5 |

GEORGE L. FICKETT,
Superintendent of Fire Alarm.

SUPERINTENDENT OF REPAIR SHOP.

Boston, March 10, 1919.

FROM: SUPERINTENDENT OF REPAIR SHOP.
TO: THE FIRE COMMISSIONER.
SUBJECT: ANNUAL REPORT, FISCAL YEAR, 1918.

I respectfully submit the following tables showing the repairs which were made on horse-driven apparatus, and the repairs made on it outside shop, with costs.

Repairs in and on buildings which house the different fire companies, both by fire department mechanics, is incorporated.

Included in the report is the cost of repairs on furniture and bedding by mechanics of the shop, and those by outside firms; also the amount of bedding and furniture distributed to various company quarters is shown.

HORSE-DRIVEN APPARATUS.

| | |
|---|----------|
| Number of repairs done in repair shop | 1,755 |
| Cost of materials and labor | \$31,500 |
| Number of repairs by outside firms | 190 |
| Cost of jobs done by outside firms | \$5,350 |

SUMMARY OF APPARATUS REPAIRS.

30 Channel irons applied to apparatus wheels.
75 Solid rubber tires applied to apparatus wheels.
30 Running gear springs attached to apparatus.
15 Broken ladders repaired.
12 New ladders built.
15 Broken poles renewed.
30 Band brakes relined and repaired.
Overhauled 1 ladder truck, 2 fire engines, 2 hose wagons, 1 chemical engine, 2 coal wagons.
Sharpening axes, putting new handles in axes, sledges, hammers and rakes, combined with repairs on fire hats and harnesses, make up the everyday repair work.
Extinguishers, nozzles chucks, suction, couplings, etc., comprise the bulk of repairs done on the outside.

REPAIRS IN AND ON FIRE DEPARTMENT BUILDINGS.

Work done by department mechanics, carpenters, painters, plumbers and steamfitters, also repairs by company members, stock furnished from repair shop:

| | |
|--|----------|
| Number of repairs done by department mechanics | 850 |
| Cost of material and labor | \$29,995 |
| Repairs by outside firms | 45 |
| Cost of repairs by outside firms | \$850 |
| Stock furnished, work done by company members | \$400 |

FURNITURE AND BEDDING.

| | |
|---|---------|
| Cost of repairs by outside firms | \$2,168 |
| Cost of repairs in shop | \$300 |
| Stock furnished, repairs by company members | \$55 |

In order to keep up the apparatus to a high standard of efficiency, repairs are made thoroughly and promptly.

To insure the safety and health of members of the department, carpenters, painters, plumbers and steamfitters are going from house to house making the needed repairs and improvements.

SUMMARY OF HOUSE REPAIRS.

Forty-one new doors, 12 new windows and sashes, 3 skylights, 3 new sinks, 2 new water-closets, 2 new shower rooms, 8 house boilers, 6 new radiators were installed; 15 heaters and pipes were repaired, and 360 lights of glass reset.

Ladder 17, whole house painted; Engine 40, house inside and outside painted; Ladder 8 and Engine 36, the whole inside painted; Engines 8 and 41, inside and outside painted; Ladder 4, inside of house varnished; Engine 26, all the ceilings whitened, and Engines 31 and 44 fireboats painted above decks.

Main floors were strengthened and made safe in the following quarters, Engines 7, 17, 19, 20, 22, 26, and Ladder 24.

Necessary repairs were made to stables, and flooring in 200 stalls relaid. Engine 21, stalls removed and new floor laid. Engine 41, lockers removed from dormitory to top floor. Engine 29, storm windows in stable. A new roof garden was built in quarters of Engines 13, 22, 50, Ladders 18 and 24. Seven new patrol desks built and placed, and 6 new sliding poles put in position.

For the welfare and comfort of officers and men the following furnishings and bedding were distributed throughout the department: 31 rugs, 10 desks, 9 clocks, 154 chairs, 225 curtains, 8 chiffoniers, 72 beds, 3 tables, 50 bed blankets, 130 dozen sheets, 80 dozen pillow slips, 90 mattresses and pillows renovated, and 12 blankets cleansed.

All the apparatus repairs come under the personal direction of the superintendent. The house repairs are under the personal direction of a master carpenter, painter, plumber and steamfitter, all of whom come under the supervision of the superintendent of the repair shop.

AMOUNT OF HOSE PURCHASED AND CONDEMNED,
ENDING FEBRUARY 1, 1919.

| <i>Purchased.</i> | | <i>Condemned.</i> | |
|---|----------------------|---|---------------------------------------|
| | Feet. | | Feet. |
| Leading cotton hose | 15,100 | Leading cotton hose | 13,000 |
| Chemical hose | 500 | Chemical hose | 1,050 |
| Deck hose | 200 | Deck hose | 200 |
| Flexible suction hose | 200 | Flexible suction hose | 125 |
| 4-inch rubber suction hose | 40 10 in. | 4-inch rubber hose | 62 $\frac{5}{8}$ |
| Leading rubber hose | — | Leading rubber hose | 400 |
| 2 $\frac{1}{2}$ -inch rubber suction hose | — | 2 $\frac{1}{2}$ -inch rubber suction hose | — |
| Deluge hose | 200 | Deluge hose | 12 $\frac{1}{2}$ |
| Total | <u>16,240 10 in.</u> | Total | <u>14,850$\frac{1}{2}$</u> |

AMOUNT OF HOSE IN USE AND IN STORE FOR YEAR
ENDING FEBRUARY 1, 1919.

| <i>In Use.</i> | | <i>In Store.</i> | |
|--|--|--|--------------------------------------|
| | Feet. | | Feet. |
| Leading cotton hose | 120,431 | Leading cotton hose | 6,470 |
| Chemical hose | 15,900 | Chemical hose | 1,350 |
| Leading rubber hose | 3,650 | Leading rubber hose | — |
| 4-inch rubber suction hose, | 1,196 | Deck hose | — |
| Deck hose | 900 | Flexible suction hose | 162 $\frac{1}{2}$ |
| Deluge hose | 637 $\frac{1}{2}$ | Deluge hose | 225 |
| Flexible suction hose | 550 | 4-inch rubber hose | 82 $\frac{1}{4}$ |
| 2 $\frac{1}{2}$ -inch rubber suction hose, | — | 2 $\frac{1}{2}$ -inch rubber suction hose, | 40 |
| Total | <u>143,264$\frac{1}{2}$</u> | Total | <u>8,329$\frac{5}{8}$</u> |

Respectfully submitted,

E. M. BYINGTON,
Superintendent.

MOTOR APPARATUS.

BOSTON, May 6, 1919.

FROM: SUPERVISOR OF MOTOR APPARATUS.

TO: THE FIRE COMMISSIONER.

SUBJECT: ANNUAL REPORT.

I respectfully submit the following report showing the repairs made on motor apparatus in Repair Shop Branch, Motor Division, and repair work done outside the shop, with the cost for both, for the fiscal year 1918.

MOTOR APPARATUS REPAIRS.

| | |
|--|----------|
| Number of repairs done in shop | 2,400 |
| Cost of material and labor | \$44,536 |

These repairs were on radiators, mud guards, storage batteries, gasolene tanks, springs, coils, magnetos, carburetors, wind shields, headlights and horns.

APPARATUS OVERHAULED AND PAINTED.

8 Roadsters, 4 touring cars, 3 ladder trucks, 4 tractors, 2 combinations.
 2 Units were attached to two old roadsters converting them into 1-ton trucks.
 4 Christie motors were rebuilt.

NEW EQUIPMENT AND REPAIRS.

50 New batteries.
 77 Repair batteries.
 34 Batteries junked.
 20 New fenders
 20 New headlights.
 20 Headlights repaired.
 282 New pneumatic tires.
 333 New tubes.
 54 Tires adjusted.
 54 Tires repaired.
 159 Tires scrapped.
 829 Tubes repaired.
 170 Tubes scrapped.
 58 Solid tires taken off and replaced with new ones.
 1 110-volt Brunner compressor.
 1 Weaver hoist and one Weaver press were purchased for shop equipment.
 7 Prest O Lite gas tanks and 37 oxygen tanks exchanged.

NEW APPARATUS, MOTORS, ETC.

New Buick roadsters purchased for Districts 2, 6, 8, 11, 13.

2 1914 Buick roadsters traded in.

10 Rebuilt Christie motors were purchased.

4 Wrecked Christie motors were traded in.

The Motor Repair Division is still working under the handicap of lack of sufficient help, lack of room and lack of spare apparatus. No additional apparatus, except chief's cars, was purchased during 1918.

Spare apparatus was installed in the new houses of Engines 49 and 50. This brings our motorized apparatus in service up to 58.6 per cent. The total number of pieces of motor apparatus in charge of the Motor Repair Division, including chief's cars, trucks, etc., is 107. This work is carried on by one foreman and seven auto mechanics, one blacksmith and helper and four firemen detailed each day. These firemen respond with the wrecker and take care of emergency work nights, holidays and Sundays.

Respectfully submitted,

C. E. STEWART,

Supervisor of Motor Apparatus.

BOSTON FIRE DEPARTMENT VETERINARY
HOSPITAL.

Boston, April 5, 1919.

FROM: THE VETERINARY HOSPITAL.
TO: THE FIRE COMMISSIONER.
SUBJECT: ANNUAL REPORT.

SIR,— I respectfully submit a report of the general health and condition of the horses of this department as very good. The following is a statement of the whole number of horses in the service and those that were purchased, sold, died, destroyed and killed in the service during the year ending January 31, 1919:

| | |
|---|-----|
| Total number on hand February 1, 1918 | 204 |
| Total number on hand February 1, 1919 | 199 |
| Horses purchased | 18 |
| Horses sold | 10 |
| Horses pensioned | 4 |
| Horses died | 2 |
| Horses destroyed | 5 |
| Horses killed | 2 |

Respectfully submitted,

DANIEL P. KEOGH, M. D. V.

HEADQUARTERS FIRE DEPARTMENT.

BOSTON, February 1, 1919.

FROM: THE MEDICAL EXAMINER.
 TO: THE FIRE COMMISSIONER.
 SUBJECT: ANNUAL REPORT.

I respectfully submit the following report for the year ending January 31, 1919:

| | |
|---|-------|
| Number of cases of illness | 661 |
| Number of cases of injury | 1,267 |
| Number injured but remained on duty | 535 |

EXAMINATIONS.

| | |
|--|-------|
| For appointment as provisional firemen | 86 |
| For appointment as provisional firemen (civil service) | 156 |
| For appointment as probationary firemen | 255 |
| For reappointment (as from war service) | 46 |
| General examinations, including probationers at the expiration of their terms | 1,643 |
| Examinations at engine houses of pulmotors and medicine chests, and including visits at homes of firemen | 165 |

The efficiency in man power of the department has been put to a severe test during the past year, due in a great measure to the epidemic of influenza and numerous deaths from same, and also to the large number drafted into the war service. This state of affairs was promptly corrected from time to time as necessary by taking in the complete civil service list of men eligible for appointment, and also making provisional appointments of men prior to taking civil service examination. The above accounts for the large number of examinations for appointments made during the past year.

The commanding officers have rendered "first aid" on many occasions to firemen and citizens by prompt and intelligent use of pulmotors and of various medicines and appliances of the medicine chests. The usual commendation should be given men, although injured, who remained on duty.

DEATHS.

| NAME. | Date. | Cause. |
|------------------------------|----------------|---|
| John J. Dwyer..... | Jan. 9, 1919 | Influenza and pneumonia. |
| George Layhe..... | Jan. 15, 1919 | Crushing injuries. |
| John P. Dowd..... | Jan. 31, 1919 | Pulmonary embolism. |
| Edward J. Twigg..... | Jan. 22, 1919 | Influenza and pneumonia. |
| James M. Hastings..... | Sept. 21, 1918 | Influenza and pneumonia. |
| Charles A. Hanson..... | Sept. 24, 1918 | Influenza and pneumonia. |
| Daniel F. Daley..... | Sept. 25, 1918 | Influenza. |
| William H. Boodro..... | Sept. 25, 1918 | Broncho-pneumonia. |
| Henry T. Hooper..... | Sept. 25, 1918 | Influenza and pneumonia. |
| Maurice M. Flavin..... | Sept. 28, 1918 | Pneumonia. |
| Joseph P. Morrissey..... | Sept. 28, 1918 | Influenza and pneumonia. |
| Frank D. O'Brien..... | Sept. 29, 1918 | Influenza and pneumonia. |
| William A. Keen..... | Oct. 10, 1918 | Pistol shot in head; influenza. |
| William R. Connelly, Jr..... | Oct. 19, 1918 | Broncho-pneumonia. |
| David J. Fitzgerald..... | May 27, 1918 | Arterio-sclerosis, endocarditis, myocarditis. |
| Wesley C. Newdick..... | June 22, 1918 | Diabetes and valvular heart disease. |
| John F. McBride..... | Feb. 5, 1918 | Carcinoma of pancreas. |
| James J. Hourihan..... | Feb. 2, 1918 | Carbuncle of neck and diabetes. |
| Capt. J. J. McCarthy..... | July 20, 1918 | Carcinoma of stomach. |
| Daniel F. Fennessey..... | Sept. 9, 1918 | Influenza and pneumonia. |
| John E. Fitzgerald..... | Sept. 11, 1918 | Pneumonia. |
| Frank J. Reddington..... | Sept. 17, 1918 | Pneumonia. |
| John J. Craddock..... | Sept. 16, 1918 | Influenza and pneumonia. |
| George F. Beattie..... | Sept. 28, 1918 | Influenza and pneumonia. |
| Angus J. McDonald..... | Oct. 7, 1918 | Influenza and pneumonia. |
| Thomas H. McAndrews..... | Dec. 11, 1918 | Pneumonia. |
| Walter F. Walsh..... | Sept. 16, 1918 | Influenza. |
| Edward J. Kaine..... | Sept. 15, 1918 | Influenza. |
| William G. Condon..... | Oct. 3, 1918 | Influenza. |
| William H. Free..... | Sept. 27, 1918 | Influenza. |

I am deeply grateful for the opportunity herewith to express my appreciation and utmost thanks to you and your commanding officers and all the men of the department for the kind, just and considerate treatment I have received in the performance of my duties.

Respectfully submitted,

WILLIAM J. McNALLY, M. D.,
Medical Examiner.

THE DEPARTMENT ORGANIZATION.

Commissioner, JOHN GRADY.
 Chief Clerk, BENJAMIN F. UNDERHILL.
 Chief of Department, PETER F. McDONOUGH.
 Superintendent of Construction and Repairs, EUGENE M. BYINGTON.
 Supervisor of Motor Apparatus, CHARLES E. STEWART.
 Superintendent of Fire Alarms, GEORGE L. FICKETT.
 Chief Operator and Assistant Superintendent of Fire Alarms, RICHARD DONAHUE.
 Veterinarian, DANIEL P. KEOGH.
 Medical Examiner, WILLIAM J. McNALLY.

CLERKS.

George F. Murphy, Daniel J. Quinn, James P. Maloney, Edward L. Tierney, Herbert J. Hickey, John J. Coholan, William J. Hurley, Nathan Cohen.

STRENGTH AND PAY JANUARY 31, 1918.

HEADQUARTERS.

| | Per Annum. |
|--|------------|
| 1 Commissioner | \$5,000 |
| 1 Chief clerk | 2,500 |
| 1 Medical examiner | 1,800 |
| 1 Bookkeeper | 2,100 |
| 1 Supervisor of pay accounts | 1,800 |
| 1 Clerk | 1,800 |
| 1 Chief license division | 1,700 |
| 1 Clerk | 1,500 |
| 1 Clerk | 1,400 |
| 1 Assistant engineer (messenger) | 1,400 |
| 2 Hosemen (clerks) | 1,400 |

12

FIRE-FIGHTING BRANCH.

| | |
|--|---------|
| 1 Chief of department | \$4,500 |
| 2 Deputy chiefs | 3,500 |
| 15 District chiefs | 3,000 |
| 62 Captains | 2,000 |
| 90 Lieutenants | 1,800 |
| 1 Lieutenant, aide to chief* | 1,800 |
| 1 Private, aide to commissioner* | 1,400 |

* Detailed from fire-fighting branch.

| | Per Annum. |
|------------------------|------------|
| 3 Engineers (marine) | \$1,700 |
| 48 Engineers | 1,500 |
| 47 Assistant engineers | 1,400 |
| 2 Assistant engineers | 1,300 |
| 1 Assistant engineer | 1,100 |
| 928 Privates: | |
| 525 | 1,400 |
| 30 | 1,300 |
| 11 | 1,200 |
| 358 | 1,100 |
| 4 | 900 |

1,201

REPAIR SHOP BRANCH.

| | |
|---|---------|
| 1 Supervisor of motor apparatus | \$3,500 |
| 1 Superintendent | 3,000 |
| 1 Lieutenant, foreman of hose and harness shop* | 1,800 |
| 1 Engineer (master plumber)* | 1,600 |
| 1 Hoseman (master carpenter)* | 1,600 |
| 1 Master painter | 1,500 |
| 1 Hoseman (automobile engineer)* | 1,500 |
| 1 Foreman automobile mechanics | 1,400 |
| 1 Engineer (machinist) | 1,500 |
| 7 Privates* | 1,400 |

Employees.

| | |
|------------------------------|-----------|
| 1 Clerk | 1,600 |
| 1 Clerk | 1,200 |
| 1 Clerk (hoseman)* | 1,400 |
| 1 Storekeeper* | 1,800 |
| | Per Week. |
| 1 Engineer | \$28 00 |
| | Per Day. |
| 3 Firemen | \$4 00 |
| 2 Plumbers | 4 40 |
| 1 Steamfitter | 4 00 |
| 1 Leading painter | 4 25 |
| 7 Painters | 4 00 |
| 2 Wheelwrights | 4 00 |
| 1 Leading machinist | 4 25 |
| 11 Machinists | 4 00 |
| 1 Leading blacksmith | 4 25 |
| 4 Blacksmiths | 4 00 |
| 5 Blacksmith's helpers | 3 25 |
| 3 Carpenters | 4 00 |
| 1 Vulcanizer | 3 50 |
| 2 Hose and harness repairers | 4 00 |

* Detailed from fire-fighting branch.

FIRE DEPARTMENT.

23

| | Per Day. |
|--|----------|
| 1 Hose and harness repairer | \$3 50 |
| 1 Boiler repairer and ironworker | 4 00 |
| 1 Chauffeur | 3 50 |
| 2 Teamsters | 3 00 |

70

FIRE ALARM BRANCH.

| | Per Annum. |
|---|------------|
| 1 Superintendent | \$3,000 |
| 1 Chief operator and assistant superintendent | 2,500 |
| 1 Supervising operator | 1,800 |
| 4 Principal operators | 1,800 |
| 2 Operators | 1,600 |
| 6 Assistant operators | 1,400 |
| 1 Assistant operator | 1,100 |
| 1 Hoseman (garageman)* | 1,400 |

Construction Force.

| | |
|---|----------|
| 1 Foreman | \$2,200 |
| 1 Assistant foreman | 1,600 |
| 1 Stockman | 1,400 |
| | Per Day. |
| 1 Machinist | \$4 25 |
| 2 Machinists | 4 00 |
| 19 Repairers, cable splicers, linemen and wiremen | 4 30 |
| 1 Laborer | 3 00 |

43

VETERINARY HOSPITAL BRANCH.

| | Per Annum. |
|---|------------|
| 1 Veterinarian | \$3,000 |
| 1 Captain, assistant to veterinarian* | 2,000 |
| | Per Day. |
| 3 Hostlers (average) | \$3 00 |

5

1,331

* Detailed from fire-fighting branch.

CHIEF OF DEPARTMENT.

PETER F. McDONOUGH.

Headquarters, Engine House 26-35, Mason Street.

The Chief is in charge of the fire protection of the city, which is divided into two divisions, each commanded by a deputy chief, which are subdivided into fifteen districts, each commanded by a district chief.

DIVISION 1.

Deputy Chief, JOHN O. TABER.

Headquarters, Ladder House 8, Fort Hill Square.

This division comprises Districts 1, 2, 3, 4, 5, 6 and 7.

*District 1.**District Chief*, FRANK A. SWEENEY.Headquarters, Ladder House 2, Paris Street,
East Boston.

Apparatus Located in the District.—Engines 5, 9, 11, 40, 47 (fireboat), Ladders 2, 21, Chemical 7.

*District 2.**District Chief*, WILLIAM E. RILEY.Headquarters, Ladder House 9, Main Street.
Charlestown.

Apparatus Located in the District.—Engines 27, 32, 36, 50, Ladders 9, 22.

*District 3.**District Chief*, STEPHEN J. RYDER.

Headquarters, Ladder House 18, Pittsburgh Street.

Apparatus Located in the District.—Engines 25, 38, 39, 44 (fireboat), Ladders 8, 18, Water Tower 3, Rescue 1.

*District 4.**District Chief*, EDWARD J. SHALLOW.

Headquarters, Engine House 4, Bulfinch Street.

Apparatus Located in the District.—Engines 4, 6, 8, 31 (fireboat), Ladders 1, 24, Chemical 1, Water Tower 1.

*District 5.**District Chief*, ALBERT J. CAULFIELD.

Headquarters, Engine House 26-35, Mason Street.

Apparatus Located in the District.—Engines 7, 10, 26, 35, Ladder 17, Chemical 2.*District 6.**District Chief*, FRANCIS J. JORDAN.Headquarters, Engine House 1, Dorchester Street,
South Boston.*Apparatus Located in the District.*—Engines 1, 2, 15, 43, Ladders 5, 19, 20.*District 7.**District Chief*, PETER E. WALSH.

Headquarters, Engine House 22, Warren Avenue.

Apparatus Located in the District.—Engines 3, 22, 33, Ladders 3, 13, 15, Water Tower 2.

DIVISION 2.

Deputy Chief, DANIEL F. SENNOTT.

Headquarters, Ladder House 4, Dudley Street.

This division comprises Districts 8, 9, 10, 11, 12, 13, 14 and 15.

*District 8.**District Chief*, WILLIAM J. GAFFEY.

Headquarters, Ladder House 12, Tremont Street.

Apparatus Located in the District.—Engines 13, 14, 37, Ladders 12, 26.*District 9.**District Chief*, JOSEPH H. KENNEY.

Headquarters, Engine House 12, Dudley Street.

Apparatus Located in the District.—Engines 12, 21, 23, 24, Ladder 4, Chemical 10.*District 10.**District Chief*, WALTER M. MCLEAN.Headquarters, Engine House 18, Harvard Street,
Dorchester.*Apparatus Located in the District.*—Engines 17, 18, Ladders 7, 29, Chemical 11.

District 11.

District Chief, HENRY A. FOX.

Headquarters, Engine House 41, Harvard Avenue,
Brighton.

Apparatus Located in the District.—Engines 29, 34,
41, Ladders 11, 14, 31.

District 12.

District Chief, MICHAEL J. MULLIGAN.

Headquarters, Engine House 28, Centre Street,
Jamaica Plain.

Apparatus Located in the District.—Engines 28, 42,
Ladders 10, 23, 30, Chemical 5.

District 13.

District Chief, MICHAEL J. KENNEDY.

Headquarters, Engine House 45, Corner Washington
and Poplar Streets, Roslindale.

Apparatus Located in the District.—Engines 30, 45,
Ladders 16, 25, Chemical 13.

District 14.

District Chief, ALLAN J. MACDONALD.

Headquarters, Engine House 46, Peabody Square,
Dorchester.

Apparatus Located in the District.—Engines 16, 20,
46, Ladders 6, 27.

District 15.

District Chief, JOSEPH A. DOLAN.

Headquarters, Engine House 48, Corner Harvard
Avenue and Winthrop Street, Hyde Park.

Apparatus Located in the District.—Engines 19, 48, 49,
Ladder 28, Chemical 14.

FIRE STATIONS.

LOCATION.

| LOCATION. | Number of Feet in Lot. | Occupied by |
|--|------------------------|-----------------------------------|
| Dorchester and Fourth streets..... | 8,167 | Engine 1 and Ladder 5. |
| Corner of O and Fourth streets..... | 4,000 | Engine 2. |
| Bristol street and Harrison avenue..... | 4,000 | Engine 3 and Ladder 3. |
| Bulfinch street..... | 6,098 | Engine 4, Chemical 1 and Tower 1. |
| Marion street, East Boston..... | 3,265 | Engine 5. |
| Leverett street..... | 2,269 | Engine 6. |
| East street..... | 1,893 | Engine 7. |
| Salem street..... | 2,568 | Engine 8. |
| Paris street, East Boston..... | 4,720 | Engine 9 and Ladder 2. |
| River street..... | 1,886 | Engine 10. |
| Saratoga and Byron streets, East Boston, | 10,000 | Engine 11 and Ladder 21. |
| Dudley street..... | 7,320 | Engine 12. |
| Cabot street..... | 4,832 | Engine 13. |
| Centre street..... | 5,713 | Engine 14. |
| Dorchester avenue..... | 2,803 | Engine 15. |
| Corner River and Temple streets..... | 12,736 | Engine 16 and Ladder 6. |
| Meeting House Hill, Dorchester..... | 9,450 | Engine 17 and Ladder 7. |
| Harvard street, Dorchester..... | 9,440 | Engine 18. |
| Norfolk street, Dorchester..... | 7,683 | Engine 19. |
| Walnut street, Dorchester..... | 9,000 | Engine 20 and Ladder 27. |
| Columbia road, Dorchester..... | 10,341 | Engine 21. |
| Warren avenue..... | 7,500 | Engine 22 and Ladder 13. |
| Northampton street..... | 3,445 | Engine 23. |
| Corner Warren and Quincy streets..... | 4,186 | Engine 24. |
| Fort Hill square..... | 4,175 | Engine 25 and Ladder 8. |
| Mason street..... | 5,623 | Engines 26 and 35. |
| Elm street, Charlestown..... | 2,600 | Engine 27. |
| Centre street, Jamaica Plain..... | 10,377 | Engine 28 and Ladder 10. |
| Chestnut Hill avenue, Brighton..... | 14,358 | Engine 29 and Ladder 11. |
| Centre street, West Roxbury..... | 12,251 | Engine 30 and Ladder 25. |

Fire Stations.—*Concluded.*

| LOCATION. | Number of Feet in Lot. | Occupied by |
|--|------------------------|---------------------------------------|
| 521 Commercial street, on land of Public Works Department. | ..... | Engine 31, fireboat. |
| Bunker Hill street — Charlestown..... | 8,188 | Engine 32. |
| Corner Boylston and Hereford streets.... | 5,646 | Engine 33 and Ladder 15. |
| Western avenue, Brighton..... | 4,637 | Engine 34. |
| Monument street, Charlestown..... | 5,668 | Engine 36 and Ladder 22. |
| Corner Longwood and Brookline avenues, | 5,231 | Engine 37 and Ladder 26. |
| Congress street..... | 4,000 | Engines 38 and 39. |
| Sumner street, East Boston..... | 4,010 | Engine 40. |
| Harvard avenue, near Cambridge street, Brighton. | 6,112 | Engine 41 and Ladder 14. |
| Washington street, at Egleston square... | 3,848 | Engine 42 and Ladder 30. |
| Andrew square..... | 5,133 | Engine 43 and Ladder 20. |
| Northern Avenue Bridge..... | ..... | Engine 44, fireboat. |
| Washington and Poplar streets, Roslindale. | 14,729 | Engine 45 and Ladder 16. |
| Dorchester avenue, Ashmont..... | 4,875 | Engine 46. |
| Adjoining South Ferry, East Boston.... | 11,950 | Engine 47, fireboat. |
| Harvard avenue and Winthrop street, Hyde Park. | 9,450 | Engine 48, Ladder 28 and Chemical 14. |
| Church street..... | 3,412 | Chemical Engine 2. |
| Milton and Hamilton streets..... | 14,475 | Engine 49. |
| Winthrop and Soley streets..... | 5,230 | Engine 50. |
| Saratoga street, East Boston..... | 9,300 | Chemical Engine 7. |
| Corner Callender and Lyford streets.... | 7,200 | Chemical 11 and Ladder 29. |
| Corner Walk Hill and Wenham streets... | 11,253 | Chemical 13. |
| Friend street..... | 1,676 | Ladder 1. |
| Dudley street..... | 3,923 | Ladder 4 and Chemical 10. |
| Main street, Charlestown..... | 4,290 | Ladder 9. |
| Tremont street..... | 4,311 | Ladder 12. |
| Harrison avenue..... | 2,134 | Ladder 17. |
| Pittsburgh street, South Boston..... | 8,964 | Ladder 18 and Tower 3. |
| Fourth street..... | 3,101 | Ladder 19. |
| Washington street, Dorchester..... | 6,875 | Ladder 23 and Chemical 5. |
| North Grove street..... | 3,918 | Ladder 24. |
| Oak square, Brighton..... | 9,889 | Ladder 31. |

Headquarters Building, Bristol street, 15,679 feet of land.

Water Tower No. 2 is in Headquarters Building.

OTHER BUILDINGS.

Repair Shop, 363 Albany street, 8,000 feet of land.

Veterinary Hospital, Atkinson street, 64,442 feet of land.

Coal station, Main street, Charlestown, 2,430 feet of land.

Coal station, old Charles River Bridge, on land of Public Works Department.

Building No. 11 Wareham street, used by the Fire Alarm Branch as workshop and storeroom, 8,500 feet of land.

LEASED BUILDINGS.

Part of building 240-256 Dover street used as storehouse for spare apparatus.

About 800 square feet of shed on Sleeper street (New Haven Terminal Stores) used as a coal station.

Part of building 11 Atherton street used for storage.

CANNEL COAL STATIONS.

DIVISION 1.

| DI-TRICT. | Location. | Capacity. (Tons.) | Wagons. |
|------------|---------------------------|----------------------|---------|
| 1..... | Engine 11..... | 12 | 1 |
| 1..... | Engine 40..... | 20 | 2 |
| 2..... | Engine 36..... | 35 | 1 |
| 2..... | Ladder 9..... | 35 | 2 |
| 3..... | Sleeper street..... | 45 | 3 |
| 3..... | Ladder 18..... | 1 | |
| 4..... | Ladder 24..... | 16 | 2 |
| 4..... | Charles River avenue..... | 50 | 2 |
| 5..... | Engine 26..... | 20 | 1 |
| 5..... | Chemical 2..... | 35 | 3 |
| 6..... | Engine 2..... | 20 | 1 |
| 6..... | Fourth street..... | 20 | 2 |
| 7..... | Engine 33..... | 25 | 1 |
| Total..... | ..... | ..... | 21 |

DIVISION 2.

| | | | |
|------------|----------------|-------|----|
| 8..... | Engine 13..... | 40 | 1 |
| 8..... | Engine 14..... | 10 | 1 |
| 8..... | Engine 37..... | 20 | 1 |
| 9..... | Engine 12..... | 5 | 1 |
| 9..... | Engine 21..... | 6 | 1 |
| 9..... | Engine 23..... | 5 | 1 |
| 9..... | Engine 24..... | 7 | 1 |
| 10..... | Engine 17..... | 3 | 1 |
| 10..... | Engine 18..... | 5 | 1 |
| 11..... | Engine 29..... | 7 | 1 |
| 11..... | Engine 34..... | 7 | 1 |
| 11..... | Engine 41..... | 10 | 1 |
| Total..... | ..... | ..... | 12 |

APPARATUS.

IN SERVICE.

| | Motor. | Horse-Drawn. |
|-----------------------------|--------|--------------|
| Engines..... | 21 | 22 |
| Ladder trucks..... | 20 | 11 |
| Hose cars..... | 17 | 22 |
| Chemicals..... | 4 | 4 |
| Water towers..... | 3 | |
| Rescue squad..... | 1 | |
| Totals..... | 66 | 59 |
| Wrecker..... | 1 | |
| Automobiles..... | 25 | |
| Delivery trucks..... | 6 | |
| Total..... | 98 | |
| Self-propelled engines..... | 2 | |
| Fireboats..... | 3 | |

RESERVE.

| | Motor. | Horse-Drawn. |
|--------------------|--------|--------------|
| Engines..... | 3 | 7 |
| Ladder trucks..... | 2 | 6 |
| Hose cars..... | 1 | 10 |
| Water towers..... | 1 | |
| Automobiles..... | 8 | |
| Chemicals..... | | 8 |
| Totals..... | 15 | 31 |

MISCELLANEOUS.

| | |
|--------------------|----|
| Fuel wagons..... | 41 |
| Manure wagons..... | 3 |

ENGINES.

| Number. | Built by | Put in Service. | Rebuilt by | Date. | Diameter of Cylinder. | Diameter of Pump. | Stroke. | Size. | Weight. (Pounds.) |
|---------|--|-------------------------------|---|------------|-----------------------|-------------------|---------|---------|-------------------|
| 1..... | Seagrave Company. (Triple combination pumper.) | June 20, 1917 | ..... | 1917 | 5½ | * | 6½ | First. | 15,500 |
| 2..... | Silsby Manufacturing Company..... | 1890 | American Fire Engine Company... | 1904 | 8 | 4½ | 8 | Second. | 9,100 |
| 3..... | { Christie Tractor..... American Fire Engine Company..... | { June 16, 1917 Jan., 1904 | { ..... ..... | ..... | 9 | 5½ | 8 | First. | 13,140 |
| 4..... | International Power Company..... | Jan., 1907 | ..... | ..... | 8½ | 5 | 8 | First. | 10,220 |
| 5..... | American Fire Engine Company..... | June, 1907 | ..... | ..... | 8 | 4½ | 8 | Second. | 9,435 |
| 6..... | Amoskeag Manufacturing Company, | 1870 | American British Company..... | 1914 | 7½ | 4½ | 8 | Second. | 8,500 |
| 7..... | American Fire Engine Company..... | Feb., 1893 | American-La France Fire Engine Company. | 1907 | 9 | 5½ | 8 | First. | 9,900 |
| 8..... | { Christie Tractor..... American-La France Fire Engine Company. | { July 5, 1917 May, 1907 | { | 1917 | 9 | 5½ | 8 | First. | 12,980 |
| 9..... | Silsby Manufacturing Company..... | April, 1890 | American Fire Engine Company..... | 1902 | 8 | 4½ | 8 | Second. | 9,150 |
| 10..... | { American-La France Tractor..... Silsby Manufacturing Company..... | { Aug. 31, 1914 | { | June, 1914 | ..... | ..... | ..... | ..... | 14,500 |
| | { Silsby Manufacturing Company..... | April, 1886 | American Fire Engine Company..... | 1903 | 8 | 4½ | 8 | Second. | 8,900 |

FIRE DEPARTMENT.

| | | | | | | | |
|-----|--|-------------------------------|----|----|----|---------|--------|
| 11. | American-La France Company. (Triple combination pump.) | July 3, 1914 | 5½ | † | 6 | First. | 11,200 |
| 12. | International Power Company. | Dec., 1911 | 7½ | 4½ | 8 | Second. | 9,250 |
| 13. | Clapp & Jones Manufacturing Company. | April, 1890 | 8½ | 5 | 7 | Second. | 9,150 |
| 14. | Seagrave Company. (Triple combination pump.) | Aug. 12, 1916 | 5½ | * | 6½ | First. | 16,420 |
| 15. | Seagrave Company. (Triple combination pump.) | July 2, 1917 | 5½ | * | 6½ | First. | 15,500 |
| 16. | Amoskeag Manufacturing Company. | July, 1872 | 7½ | 4½ | 8 | Second. | 8,740 |
| 17. | { Christie Tractor. Amoskeag Manufacturing Company. | Jan., 7, 1916 1872 | 7½ | 4½ | 8 | Second. | 12,380 |
| 18. | Manchester Locomotive Works. | Nov., 1890 | 6½ | 4 | 8 | Fourth. | 8,175 |
| 19. | Manchester Locomotive Works. | Feb., 1896 | 6½ | 4½ | 8 | Third. | 7,950 |
| 20. | Silsby Manufacturing Company. | Aug., 1882 | 8 | 4½ | 8 | Second. | 9,465 |
| 21. | { Christie Tractor. Amoskeag Manufacturing Company. | Jan., 12, 1916 Sept., 1870 | 7½ | 4½ | 8 | Second. | 12,560 |
| 22. | { Christie Tractor. Manchester Locomotive Works. | Sept. 15, 1917 Nov., 1896 | 7½ | 4½ | 8 | Second. | 12,340 |
| 23. | Silsby Manufacturing Company. | April, 1890 | 8 | 4½ | 8 | Second. | 9,215 |
| 24. | Amoskeag Manufacturing Company. | July, 1867 | 7½ | 4½ | 8 | Second. | 8,415 |
| 25. | { Christie Tractor. American-La France Fire Engine Company. | May 15, 1915 Dec., 1910 | 9 | 5½ | 8 | First. | 16,000 |

Rotary pump.

* Centrifugal pump.

Engines.—*Concluded.*

| NUMBER. | Built by | Put in Service. | Rebuilt by | Date. | Diameter of Cylinder. | Diameter of Pump. | Stroke. | Size. | Weight. (Tons.) |
|---------|---|-----------------------------|-----------------------------------|-------|-----------------------|-------------------|---------|-----------------------------|-----------------|
| 26..... | { Christie Tractor..... International Power Company..... | Mar. 15, 1917 Feb., 1909 | ..... | 1917 | 8½ | 5½ | 8 | First. | 14,240 |
| 27..... | Silsby Manufacturing Company..... | 1891 | American Fire Engine Company..... | 1892 | 8 | 4½ | 8 | Second. | 9,118 |
| 28..... | { Christie Tractor..... Amoskeag Manufacturing Company, | Jan. 12, 1916 Oct., 1867 | American Locomotive Company..... | 1904 | 7¾ | 4¾ | 8 | Second. | 12,800 |
| 29..... | American British Company..... | Jan., 1911 | ..... | ..... | 7¾ | 4¾ | 8 | Second | 9,250 |
| 30..... | Manchester Locomotive Works..... | Nov., 1890 | International Power Company..... | 1910 | 6¾ | 4 | 8 | Fourth. | 8,375 |
| 31..... | G. F. Blake Manufacturing Com- pany. | 1914 | ..... | ..... | 17 | 10 | 11 | { 1 pump, 3,000 gallons. | 104 tons. |
| 32..... | International Power Company..... | June, 1907 | ..... | ..... | 7¾ | 4¾ | 8 | Second. | 9,100 |
| 33..... | { Christie Tractor..... International Power Company..... | July 28, 1915 Feb., 1909 | ..... | ..... | 7¾ | 4¾ | 8 | Second. | 13,150 |
| 34..... | Amoskeag Manufacturing Company, | Dec., 1869 | American British Company..... | 1914 | 7¾ | 4¾ | 8 | Second. | 8,300 |
| 35..... | Manchester Locomotive Works. (Self propeller.) | Jan., 1898 | American British Company..... | 1915 | 9½ | 5½ | 8 | Double extra first. | 18,200 |
| 36..... | { Christie Tractor..... International Power Company..... | Aug. 13, 1917 Nov., 1909 | ..... | 1917 | 8½ | 5½ | 8 | First. | 13,910 |

FIRE DEPARTMENT.

| | | | | | | | | | |
|---------|--|------------------------------|----------------------------------|------|-----------------------|----|----|--------------------------------------|------------------|
| 37..... | { American-La France Tractor..... Manchester Locomotive Works..... | Aug. 10, 1914 March, 1896 | International Power Company..... | 1907 | 6½ | 4½ | 8 | Third. | 14,000 |
| 38..... | { Manchester Locomotive Works..... (Self propeller.) | June, 1897 | J. B. Filleul & Son..... | 1917 | 9½ | 5½ | 8 | Double extra first. | 8,375 18,170 |
| 39..... | { Christie Tractor..... Manchester Locomotive Works..... | May 10, 1917 June, 1901 | American British Company..... | 1915 | 8½ | 5 | 8 | First. | 14,300 |
| 40..... | American Locomotive Company..... | Jan., 1906 | | | 8½ | 5 | 8 | First. | 10,350 |
| 41..... | Robinson Company. (Triple combination pumper.) | Dec. 14, 1914 | | | 6½ | * | 9 | First. | 15,790 |
| 42..... | Manchester Locomotive Works..... | March, 1884 | International Power Company..... | 1907 | 6½ | 4½ | 8 | Third. | 8,175 |
| 43..... | { Christie Tractor..... Amoskeag Manufacturing Company.. | Dec. 20, 1915 Nov., 1867 | American Locomotive Company.. | 1904 | 7¾ | 4¾ | 8 | Second. | 12,980 |
| 44..... | American Fire Engine Company..... | Aug., 1895 | | | 12½ H. P. 18 L. P. | 10 | 11 | { 2 sets of pumps, 6,000 gallons. | 178 tons. |
| 45..... | American-La France Company. (Triple combination pumper.) | Aug. 2, 1914 | | | 5½ | † | 6 | First. | 11,540 |
| 46..... | { Christie Tractor..... International Power Company..... | March, 1915 Nov., 1909 | | | 7¾ | 4¾ | 8 | Second. | 13,020 |
| 47..... | G. F. Blake Manufacturing Company, Manchester Locomotive Works..... | Aug., 1909 1902 | | | 12 H. P. 22 L. P. | 10 | 11 | { 2 sets of pumps, 6,000 gallons. | 179 tons. |
| 48..... | Combination Hose and Chemical..... | July 25, 1918 | Seagrave Company..... | 1918 | 6½ | 4 | 8 | Fourth. | 8,200 |
| 49..... | { Christie Tractor..... Manchester Locomotive Works..... | Oct., 1916 July, 1903 | A. & B. Company..... | 1916 | 8½ | 5 | 8 | First. | 12,000 14,240 |

* Piston pump.

† Rotary pump.

CHEMICAL ENGINES.

| NUMBER. | Built by | Put in Service. | Remarks. | Capacity. | Weight. |
|---------|------------------------------------|-----------------|--------------------------------|------------------------|-------------------------|
| 1. | American-La France Company..... | Dec., 1910 | ..... | <i>Gallons.</i> 100 | <i>Pounds.</i> 5,400 |
| 2. | Babcock Manufacturing Company..... | April 25, 1874 | ..... | 160 | 5,780 |
| 5. | American-La France Company..... | May 14, 1913 | Combination, motor driven..... | 35 | 7,750 |
| 7. | Babcock Manufacturing Company..... | Sept. 27, 1876 | Altered by Hinman, 1886..... | 100 | 4,880 |
| 10. | Seagrave Company..... | Feb. 10, 1917 | Combination, motor driven..... | 235 | 11,360 |
| 11. | American-La France Company..... | April 18, 1913 | Combination, motor driven..... | 40 | 8,799 |
| 13. | Knox Automobile Company..... | Dec. 3, 1914 | Combination, motor driven..... | 35 | 9,100 |
| 14. | Babcock Manufacturing Company..... | 1889 | ..... | 100 | 4,640 |

In Reserve.

| NUMBER. | Built by | Put in Service. | Capacity. | Weight. |
|-------------|--|-----------------|------------------------|-------------------------|
| Reserve 1. | Babcock Manufacturing Company..... | 1890 | <i>Gallons.</i> 100 | <i>Pounds.</i> 4,580 |
| Reserve 5. | Babcock Manufacturing Company (altered by Hinman)..... | Sept. 21, 1876 | 100 | 4,750 |
| Reserve 9. | Babcock Manufacturing Company (altered by Hinman)..... | May 1, 1876 | 100 | 4,270 |
| Reserve 10. | Babcock Manufacturing Company (altered by Hinman)..... | Sept. 13, 1889 | 100 | 4,700 |
| Reserve 3. | Babcock Manufacturing Company (altered by Hinman)..... | April, 1898 | 70 | 5,500 |
| Reserve 9. | Babcock Manufacturing Company (altered by Hinman)..... | April, 1898 | 100 | 4,500 |
| Reserve 12. | Babcock Manufacturing Company (altered by Hinman)..... | Oct., 1890 | 100 | 4,500 |
| Reserve 14. | Babcock Manufacturing Company (altered by Hinman)..... | 1881 | 100 | 3,900 |

LADDER TRUCKS.

| NUMBER. | Built by | Put in Service. | Rebuilt by | Feet of Ladders. | Number of Ladders. | Weight. (Pounds.) |
|---------|--------------------------------|-----------------|------------------------------|------------------|--------------------|-------------------|
| 1. | J. Ryan Company. | 1880 | Fire Department Repair Shop. | 513 | 12 | 10,900 |
| 2. | Abbott-Downing Company. | 1899 | ..... | 439 | 12 | 10,800 |
| 3. | Abbott-Downing Company. | June 2, 1886 | Fire Department Repair Shop. | 472 | 14 | 9,450 |
| 4. | American-La France Company. | Sept. 28, 1914 | Motor driven. | 332 | Aerial. | 21,040 |
| 5. | Seagrave Company. | June 20, 1917 | Motor driven. | 339 | Aerial. | 25,130 |
| 6. | { Christie Tractor. | March 2, 1917 | ..... | 232 | 17 | 13,400 |
| | { C. N. Perkins & Co. | Aug., 1905 | ..... |  |  |  |
| 7. | Robinson Company. | Dec. 9, 1914 | Motor driven. | 267 | 12 | 12,000 |
| 8. | Seagrave Company. | April 22, 1915 | Motor driven. | 404 | Aerial. | 25,130 |
| 9. | Abbott-Downing Company. | 1884 | ..... | 367 | 15 | 10,040 |
| 10. | { Christie Tractor. | Dec. 24, 1915 | ..... | 307 | 12 | 15,010 |
| | { Fire Department Repair Shop. | March 18, 1909 | ..... |  |  |  |
| 11. | American-La France Company. | Jan., 1907 | ..... | 397 | 14 | 10,050 |
| 12. | { Christie Tractor. | April, 1915 | ..... | 300 | Aerial. | 17,630 |
| | { American-La France Company. | April, 1891 | ..... |  |  |  |
| 13. | { Christie Tractor. | July 21, 1915 | ..... | 317 | Aerial. | 16,600 |
| | { Fire Department Repair Shop. | 1907 | ..... |  |  |  |
| 14. | { Christie Tractor. | June 5, 1917 | ..... | 316 | Aerial. | 17,660 |
| | { American-La France Company. | 1906 | ..... |  |  |  |

FIRE DEPARTMENT.

| | | | | | |
|-----|---|--|-----|---------|--------|
| 15. | Christie Tractor..... { American-La France Company. | April 18, 1917 1911 | 335 | Aerial. | 18,000 |
| 16. | Christie Tractor..... { Fire Department Repair Shop. | Dec. 21, 1915 Sept., 1888 | 298 | 15 | 13,440 |
| 17. | Christie Tractor..... { Seagrave Company. | July 27, 1915 June, 1911 | 281 | Aerial. | 17,100 |
| 18. | Christie Tractor..... { Seagrave Company. | May 21, 1915 April, 1910 | 362 | Aerial. | 17,025 |
| 19. | Fire Extinguisher Manufacturing Company. | Jan., 1898 | 172 | 8 | 6,937 |
| 20. | Christie Tractor..... { Charles N. Perkins & Co. | Oct. 27, 1915 Dec. 30, 1902 | 242 | 8 | 13,100 |
| 21. | American-La France Company..... | Dec. 10, 1913 | 245 | 10 | 11,500 |
| 22. | Christie Tractor..... { Charles T. Holloway. | June 11, 1917 Jan., 1898 | 207 | 9 | 13,500 |
| 23. | American-La France Company..... | Dec., 1910 | 197 | 9 | 7,300 |
| 24. | Charles T. Holloway & Co..... | Oct., 1901 | 221 | 7 | 7,100 |
| 25. | Christie Tractor..... { Charles T. Holloway & Co. | April 24, 1917 April 25, 1900 | 166 | 7 | 13,440 |
| 26. | American-La France Company..... | Nov., 1908 | 262 | 7 | 6,435 |
| 27. | Charles N. Perkins & Co..... | Nov., 1901 | 224 | 9 | 8,000 |
| 28. | Seagrave Company..... | Nov., 1910 | 366 | 12 | 5,700 |
| 29. | American-La France Company..... | Jan. 23, 1913 | 263 | 10 | 8,900 |
| 30. | American-La France Company..... | March 5, 1913 | 263 | 10 | 8,900 |
| 31. | American-La France Company..... | Feb. 24, 1913 | 263 | 10 | 8,900 |

In Reserve.

| DESCRIPTION. | Built by | Weight. (Pounds.) |
|---|---|----------------------|
| Relief E..... | Fire Department Repair Shop..... | 8,000 |
| Reserve Ladder II..... | Hunneman & Co..... | 8,000 |
| Relief D..... | Hunneman & Co..... | 8,500 |
| Former Ladder 7 (Christie Tractor)..... | Charles T. Holloway (Christie Tractor, July, 1915)..... | 12,050 |
| Former Ladder 9 (Christie Tractor)..... | Waugh & Co..... | 15,200 |
| Ladder 21..... | Charles T. Holloway..... | 7,330 |
| New truck..... | American-La France Company..... | 6,500 |
| Number 1..... | Hunneman & Co.*..... | 10,900 |

* Rebuilt by Charles Waugh & Co. Feet of ladders, 513. Number of ladders, 12.

WATER TOWERS.

| NUMBER. | Built by | Put in Service. | Weight. (Pounds.) |
|------------------|---|-----------------|----------------------|
| 1..... | American-La France Company..... | Oct. 30, 1912 | 14,600 |
| 2..... | Kansas City Fire Department Supply Company..... | May 17, 1890 | 10,000 |
| 3..... | International Company..... | Nov. 2, 1903 | 12,050 |
| 4 (Reserve)..... | Kansas City Fire Department Supply Company..... | Dec. 18, 1893 | 10,000 |

Towers are equipped with American British Company tractors.

TOOLS AND MACHINERY IN REPAIR SHOP.

| Blacksmith Shop. | Boiler Room. | Hose and Harness Shop. | Engine Room. | Wheelwright and Machine Shop. |
|------------------------|--|---|---|---|
| 5 forges. | 3 vertical tubular boilers, each 75 horse power. | 1 Buckley electric hose testing and expanding engine. | 1 25 horse power steam engine cylinder, 9 by 31. | 1 each engine lathes, with foot beds, 28 by 12; 16 by 12; 16 by 9; 14 by 8 and 14 by 6. |
| 1 power hammer. | 2 Blake boiler feed pumps. | 2 electrically-driven sewing machines. | 1 Knowles triplex pump for hose testing. | 1 16 by 10 speed lathe. |
| 1 gas tire heater. | | Numerous tools and appliances for repairing hose and harnesses. | 1 15 horse power motor. | 1 16 by 10 wood lathe. |
| 1 tire upsetter. | | | 2 dynamos and engines which supply current to fire alarm central station. | 1 26 by 26 planer, 8-foot bed. |
| 1 punch and shears. | | | | 1 planer, 16 by 29, shaper. |
| 1 lever shears. | | | | 1 radial drill, |
| 1 tire roller. | | | | 2 upright drills. |
| 2 rubber tire setters. | | | | 1 wall drill. |
| 1 bolt cutter. | | | | 1 circular saw. |
| 1 fan blower. | | | | 1 band saw. |
| | | | | 1 boring and mortising machine. |
| | | | | 2 buzz planers. |
| | | | | 1 grindstone. |
| | | | | Numerous small tools. |

Also tools for the repair of automobile apparatus.

EXPENDITURES FOR THE YEAR.

| | | | |
|--|-------------|-------|----------------|
| Personal service: | | | |
| Permanent employees | \$1,652,866 | 44 | |
| Temporary employees | | 84 | 00 |
| Unassigned | | 3,331 | 75 |
| | | | <hr/> |
| | | | \$1,656,282 19 |
| Service Other than Personal: | | | |
| Printing and binding | \$269 | 32 | |
| Postage | 263 | 93 | |
| Advertising and posting | 51 | 80 | |
| Transportation of persons | 616 | 90 | |
| Cartage and freight | 419 | 16 | |
| Hire of teams | 80 | 00 | |
| Light and power | 10,448 | 96 | |
| Rent, taxes and water | 3,031 | 92 | |
| Communication | 1,797 | 11 | |
| Motor vehicle repairs and care | 10,645 | 12 | |
| Motorless vehicle repairs | 910 | 13 | |
| Cleaning | 2,667 | 12 | |
| Removal of ashes | 58 | 94 | |
| Examinations | 788 | 00 | |
| Expert and architect | 374 | 99 | |
| Stenographic and copying | 16 | 00 | |
| Towing | 380 | 00 | |
| Fees, etc. | | 50 | |
| Boiler inspection | 249 | 00 | |
| Photographic and blueprinting | 198 | 08 | |
| General plant | 42,624 | 18 | |
| Horseshoeing and clipping | 13,491 | 24 | |
| | | | <hr/> |
| | | | 89,382 40 |
| Equipment: | | | |
| Cable, wire, etc. | \$12,358 | 65 | |
| Machinery | | 174 | 00 |
| Electrical | 3,008 | 19 | |
| Motor vehicles | 23,015 | 90 | |
| Stable | 2,865 | 55 | |
| Furniture and fittings | 10,243 | 43 | |
| Office | 126 | 44 | |
| Marine | 13 | 50 | |
| Medical | 6 | 50 | |
| Tools and instruments | 22,185 | 93 | |
| Live stock | 2,907 | 95 | |
| Wearing apparel | 1,269 | 66 | |
| General plant | 377 | 33 | |
| | | | <hr/> |
| | | | 78,553 03 |
| Supplies: | | | |
| Office | \$2,964 | 52 | |
| Food and ice. | 741 | 35 | |
| | | | <hr/> |
| <i>Carried forward</i> | \$3,705 | 87 | \$1,824,217 62 |

| | | |
|---|-------------|-----------------------|
| <i>Brought forward</i> | \$3,705 87 | \$1,824,217 62 |
| Fuel | 94,001 85 | |
| Forage and animal | 40,156 24 | |
| Medical, surgical, laboratory | 84 55 | |
| Veterinary | 284 77 | |
| Laundry, cleaning, toilet | 3,568 81 | |
| Motor vehicle | 13,724 21 | |
| Chemicals and disinfectants | 2,981 09 | |
| General plant | 4,596 24 | |
| Cloth | 2,811 10 | |
| | <hr/> | 165,914 73 |
| Materials: | | |
| Building | \$13,008 48 | |
| Machinery | 91 96 | |
| Electrical | 1,593 00 | |
| General plant | 28,101 71 | |
| | <hr/> | 42,795 15 |
| Special items: | | |
| Pensions and annuities | | 187,915 57 |
| Workingmen's compensation | | 538 00 |
| | | <hr/> |
| | | <u>\$2,221,381 07</u> |

Engine House, East Boston.

| | | |
|--|-------------|-------------|
| Continuation of payments: | | |
| Reconstructing building: | | |
| Contractors, Archdeacon & Sullivan | \$23,596 50 | |
| Blueprints | 18 63 | |
| Heating system, Power Heating and Ven- tilating Company | 2,000 00 | |
| Architect, Joseph McGinniss | 1,686 24 | |
| Electrical materials and fixtures | 328 34 | |
| Window shades | 83 60 | |
| Advertising | 14 40 | |
| | <hr/> | \$27,727 71 |
| | | <hr/> |

Engine House 15, Reconstruction of.

| | | |
|---|-------------|-------------------|
| Contractors, Crowley & Hickey | \$15,930 33 | |
| Architect, Joseph McGinniss | 1,589 10 | |
| | <hr/> | \$17,519 43 |
| Less charged to Dorchester Tunnel | 7,539 33 | |
| | <hr/> | <u>\$9,980 10</u> |
| | | <hr/> |

Fire House, Winthrop Street, Charlestown.

Continuation of payments:

Reconstructing building:

| | |
|---|-------------|
| Contractor, Fred E. Bowes | \$18,067 65 |
| Heating system, Power Heating and Ventilating Company | 2,100 00 |
| Architect, Joseph McGinniss | 2,037 74 |
| Hardware, Burditt & Williams Co. | 400 00 |
| Electric fixtures | 150 06 |
| Shades | 75 15 |
| Awnings | 40 00 |
| Blueprints | 32 96 |
| Advertising | 14 40 |
| | <hr/> |
| | \$22,917 96 |

Fire Quarters, Readville (Hyde Park).

Continuation of payments:

| | |
|--|------------|
| Contractor, M. S. Kelliher | \$7,140 00 |
| Architect, Joseph McGinniss | 149 79 |
| Heating system, Pierce & Cox | 1,933 00 |
| Shades | 96 40 |
| Electric fixtures | 86 50 |
| Screen | 64 00 |
| Advertising | 15 00 |
| | <hr/> |
| | \$9,484 69 |

RECAPITULATION.

| | |
|--|----------------|
| Fire Department | \$2,221,381 07 |
| Engine House, East Boston | 27,727 71 |
| Engine House 15, reconstruction of | 9,980 10 |
| Fire House, Winthrop street, Charlestown | 22,917 96 |
| Fire station, Readville | 9,484 69 |
| | <hr/> |
| | \$2,291,491 53 |

INCOME.

| | |
|---|------------|
| Permits for fires in open spaces, fireworks, blasting, transportation and storage of explosives | \$3,930 25 |
| Sale of uniform cloth | 3,374 78 |
| Sale of old material | 1,109 53 |
| Sale of cloth remnants | 60 94 |
| Sale of manure | 89 50 |
| Sale of badges | 574 40 |
| Services of Fireboat No. 47, United States Government | 400 00 |
| Damage to apparatus | 12 50 |
| Damage to pipe | 4 00 |
| Refund of salary | 107 34 |
| Rebate from United States Government | 90 |
| | <hr/> |
| | \$9,664 14 |

ALARMS, FIRE LOSSES AND INSURANCE.

| MONTHS. | ALARMS RECEIVED. | | | | | | LOSS. | | INSURANCE. | | ALARMS. | | | | Totally Destroyed. | | | | | | | | | |
|----------------|------------------|---------|-----------|------------|------------|----------|--------|-------------|-------------|--------------|-------------|-------|--------|-----------|--------------------|-------|-----------|-------|-------|-------|-------|-------|----|-------|
| | Members. | Police. | Citizens. | Telephone. | Automatic. | Unknown. | Total. | Buildings. | Contents. | Buildings. | Contents. | BELL. | | STILL. | | | | | | | | | | |
| | | | | | | | | | | | | Fire. | False. | Needless. | | Fire. | Needless. | | | | | | | |
| January..... | 7 | 14 | 349 | 124 | 13 | 10 | 517 | \$155,289 | \$307,127 | \$3,014,587 | \$1,707,380 | 222 | 10 | 19 | 190 | 67 | 354 | 5 | 49 | 4 | 134 | 217 | 8 | ..... |
| February..... | 3 | 12 | 269 | 104 | 21 | 10 | 419 | 154,110 | 205,955 | 4,119,047 | 1,471,074 | 162 | 10 | 16 | 168 | 53 | 295 | 3 | 31 | 1 | 124 | 163 | 8 | 3 |
| March..... | 6 | 10 | 272 | 171 | 13 | 13 | 485 | 48,343 | 45,269 | 1,828,900 | 572,948 | 177 | 13 | 7 | 248 | 33 | 198 | ..... | 222 | 5 | 78 | 116 | 4 | ..... |
| April..... | 8 | 6 | 345 | 329 | 18 | 17 | 723 | 157,679 | 210,342 | 3,327,216 | 1,460,350 | 279 | 17 | 8 | 372 | 34 | 197 | ..... | 448 | 6 | 77 | 110 | 8 | 2 |
| May..... | 6 | 13 | 255 | 154 | 12 | 11 | 451 | 83,869 | 121,570 | 1,941,460 | 639,667 | 186 | 11 | 11 | 196 | 43 | 203 | 2 | 173 | 4 | 71 | 132 | 1 | 1 |
| June..... | 4 | 11 | 206 | 128 | 18 | 21 | 388 | 79,416 | 167,450 | 1,635,222 | 547,703 | 127 | 21 | 12 | 180 | 34 | 158 | 4 | 142 | 3 | 71 | 87 | 3 | 1 |
| July..... | 2 | 11 | 193 | 95 | 12 | 29 | 342 | 50,869 | 36,681 | 1,184,000 | 176,950 | 124 | 30 | 14 | 140 | 23 | 161 | ..... | 102 | 1 | 81 | 78 | 1 | 1 |
| August..... | 2 | 6 | 185 | 86 | 17 | 10 | 306 | 49,226 | 22,326 | 1,786,850 | 259,179 | 109 | 10 | 15 | 121 | 39 | 156 | 1 | 71 | 2 | 85 | 68 | 3 | 1 |
| September..... | 4 | 6 | 134 | 61 | 5 | 22 | 232 | 32,830 | 41,121 | 851,650 | 115,700 | 90 | 22 | 10 | 85 | 21 | 123 | 4 | 48 | ..... | 73 | 51 | 3 | ..... |
| October..... | 4 | 5 | 208 | 83 | 6 | 34 | 340 | 55,760 | 60,500 | 1,437,015 | 620,250 | 124 | 35 | 17 | 129 | 31 | 158 | 1 | 88 | 6 | 62 | 95 | 2 | ..... |
| November..... | 5 | 11 | 334 | 134 | 16 | 72 | 572 | 132,644 | 195,409 | 1,569,703 | 582,394 | 210 | 71 | 20 | 216 | 42 | 234 | 2 | 184 | 6 | 106 | 125 | 5 | ..... |
| December..... | 4 | 14 | 242 | 105 | 12 | 22 | 399 | 295,237 | 113,088 | 4,247,753 | 611,487 | 169 | 21 | 14 | 149 | 35 | 246 | 2 | 69 | 1 | 92 | 153 | 2 | 1 |
| Totals..... | 55 | 119 | 2,992 | 1,574 | 163 | 271 | 5,174 | \$1,295,272 | \$1,526,838 | \$26,943,400 | \$8,765,082 | 1,979 | 271 | 163 | 2,194 | 455 | 2,483 | 24 | 1,627 | 39 | 1,054 | 1,395 | 48 | 10 |

CAUSES OF FIRES AND ALARMS FROM JANUARY 1, 1918,
TO JANUARY 1, 1919.

| | | | |
|---|-------|---|-------|
| Alarms, false, needless, bell and still | 889 | Grease in ventilator | 34 |
| Alarms out of city | 39 | Hot ashes in wooden receptacle | 58 |
| Automatic alarms, false and accidental | 112 | Incendiary and supposed | 19 |
| Automobiles | 142 | Lamp upsetting, explosion | 1 |
| Brush, rubbish, etc | 1,206 | Miscellaneous | 245 |
| Careless use lamp, candle | 84 | Oil stove, careless use and explosion | 62 |
| Careless use matches and set by rats | 413 | Overheated furnace, stove, boiler | 125 |
| Careless use pipe, cigar and cigarettes | 297 | Set by boys | 107 |
| Chimneys, soot burning | 161 | Sparks from chimneys, stove, | 83 |
| Clothes near stove | 16 | Sparks from locomotive engine | 35 |
| Defective chimney, stove pipe, boiler | 70 | Spontaneous combustion | 85 |
| Electric wires, motors | 124 | Thawing | 102 |
| Fireworks and firecrackers | 4 | Unknown | 577 |
| Gas jet and gas stove | 67 | | |
| Gasolene, naphtha, benzine | 17 | | 5,174 |

| 1918. | FIRE EXTINGUISHED BY | | | | | | |
|---------------------|----------------------|-------------------|-------------------|------------------|-----------|----------------|-----------|
| | Extinguishers. | Buckets of Water. | Chemical Engines. | Hydrant Streams. | Steamers. | Miscellaneous. | Citizens. |
| January | 117 | 12 | 97 | 12 | 54 | 35 | 81 |
| February | 102 | 8 | 73 | 3 | 49 | 40 | 54 |
| March | 64 | 47 | 81 | 39 | 38 | 112 | 39 |
| April | 82 | 58 | 82 | 127 | 37 | 203 | 56 |
| May | 67 | 27 | 77 | 61 | 42 | 52 | 52 |
| June | 72 | 21 | 48 | 56 | 28 | 34 | 45 |
| July | 63 | 24 | 45 | 44 | 28 | 31 | 28 |
| August | 64 | 32 | 36 | 19 | 18 | 31 | 28 |
| September | 51 | 17 | 28 | 12 | 17 | 23 | 27 |
| October | 73 | 27 | 43 | 22 | 27 | 31 | 24 |
| November | 93 | 50 | 71 | 46 | 53 | 83 | 24 |
| December | 65 | 40 | 69 | 16 | 40 | 49 | 38 |
| Totals | 913 | 363 | 750 | 457 | 431 | 724 | 496 |

FIRES WHERE LOSS EXCEEDED \$15,000.

| DATE. | Location and Owner. | Loss. |
|---------------|---|----------|
| 1918. | | |
| Jan. 6..... | 67-71 South street, Great Western Hide Company..... | \$15,546 |
| Jan. 7..... | 215-233 Frank,in street, Bigelow & Dowse Company <i>et al.</i> .. | 216,158 |
| Jan. 12..... | 642 and 644 Washington street, D. M. Healey <i>et al.</i> | 21,620 |
| Jan. 17..... | 62-66 Utica street, G. D. Emerson..... | 36,717 |
| Jan. 26..... | 1109 Washington street, A. A. Civicchi <i>et al.</i> | 17,581 |
| Feb. 9..... | 1242-1250 River street, Hyde Park Gas Company <i>et al.</i> | 22,278 |
| Feb. 10..... | 13 and 15 Winter street, F. Vorenberg Company <i>et al.</i> | 67,156 |
| Feb. 10..... | 115 North street, Plant Brothers & Co. <i>et al.</i> | 56,786 |
| Feb. 17..... | 76 Freeport street, Boston Novelty Company <i>et al.</i> | 33,916 |
| Feb. 17..... | 530 Atlantic avenue, F. P. Bennett & Co., Inc., <i>et al.</i> | 15,830 |
| Feb. 25..... | 1285-1289 Hyde Park avenue, Norfolk Associates <i>et al.</i> | 21,031 |
| Feb. 26..... | 19-35 Front street, Boston Wagon Company <i>et al.</i> | 18,507 |
| April 1..... | 200-206 Causeway street, American Glue Company <i>et al.</i> | 161,491 |
| April 12..... | 241-249 Friend street, Union Bowling and Billiard Room <i>et al.</i> | 26,586 |
| April 17..... | 157-163 Pearl street, Harris-Wheaton Company <i>et al.</i> | 18,811 |
| April 28..... | Mt. Walley avenue, R. F. Haffenreffer..... | 31,061 |
| April 28..... | 416 Huntington avenue, Tufts College..... | 38,198 |
| May 13..... | 70 Brimmer street, Brown Garage and Carriage Company <i>et al.</i> | 138,842 |
| June 3..... | 9 Edgewood street, Crown Window Shade Company <i>et al.</i> | 35,841 |
| June 6..... | 15-21 Sleeper street, General Electric Company <i>et al.</i> | 137,802 |
| June 13..... | 128-136 Federal street, Franklin Rubber Company <i>et al.</i> | 15,205 |
| July 25..... | 1379 Centre street, City of Boston..... | 20,000 |
| Aug. 4..... | 26-30 Bowker street, Sargent & Ham Company <i>et al.</i> | 24,793 |
| Sept. 26..... | 342 Western avenue, F. C. Ashley & Co. <i>et al.</i> | 28,728 |
| Sept. 29..... | 39-43 Washington street, T. F. Freeman Company <i>et al.</i> | 17,765 |
| Oct. 7..... | Building Number 96 Navy Yard, United States Government, | 20,000 |
| Oct. 21..... | 361-367 Washington street, D. F. Rourke <i>et al.</i> | 29,489 |
| Oct. 29..... | 222-226 Friend street, V. Bonzagni & Co. <i>et al.</i> | 19,676 |
| Nov. 5..... | 280-292 Commercial street, J. A. DeVito Company <i>et al.</i> | 41,908 |
| Nov. 13..... | 102-112 Summer street, Bresnahan & Kelleher <i>et al.</i> | 131,064 |
| Nov. 14..... | 1340 Commonwealth avenue, Hotel Strathmore <i>et al.</i> | 39,939 |
| Nov. 29..... | 182-186 Boylston street, Walker, Rintels, Inc., <i>et al.</i> | 29,339 |
| Dec. 5..... | 128-144 Commercial street, S. G. Shaghalian & Co. <i>et al.</i> | 52,567 |
| Dec. 18..... | 258 St. Botolph street, Boston Arena Corporation..... | 233,100 |
| Dec. 21..... | 346 Congress street, C. L. Hawthaway & Son, Inc..... | 30,780 |

STATISTICS.

| | |
|--|---------|
| Population, January 1, 1919 | 793,709 |
| Area, square miles | 47.81 |
| Number brick, etc., buildings | 31,194 |
| Number of wooden buildings | 75,085 |
| Fires in brick and stone buildings | 1,308 |
| Fires in wooden buildings | 1,199 |
| Out of city | 39 |
| Not in buildings, false and needless | 2,628 |
| Total alarms | 5,174 |

FIRE LOSS FOR THE YEAR ENDING DECEMBER 31, 1918.

| | |
|---|--------------------|
| Buildings, loss insured | \$1,230,683 |
| Contents, loss insured | 1,413,290 |
| | <u>\$2,643,973</u> |
| Buildings, loss not insured | \$64,588 |
| Contents, loss not insured | 113,548 |
| | <u>178,136</u> |
| Total loss buildings and contents | <u>\$2,822,109</u> |
| Marine loss | <u>\$5,503</u> |

YEARLY LOSS FOR THE PAST FIFTEEN YEARS.

| | | | | |
|------------------------------|---|---|---|-------------|
| Year ending February 1, 1904 | . | . | . | \$1,674,333 |
| “ “ 1, 1905 | . | . | . | 2,473,980 |
| “ “ 1, 1906 | . | . | . | 2,130,146 |
| “ “ 1, 1907 | . | . | . | 1,130,334 |
| “ “ 1, 1908 | . | . | . | 2,268,074 |
| “ “ 1, 1909 | . | . | . | 3,610,000 |
| “ “ 1, 1910 | . | . | . | 1,680,245 |
| “ “ 1, 1911 (11 months) | . | . | . | 3,159,989 |
| “ January 1, 1912 | . | . | . | 2,232,267 |
| “ “ 1, 1913 | . | . | . | 2,531,017 |
| “ “ 1, 1914 | . | . | . | *3,138,373 |
| “ “ 1, 1915 | . | . | . | 3,013,269 |
| “ “ 1, 1916 | . | . | . | 3,004,600 |
| “ “ 1, 1917 | . | . | . | †2,372,489 |
| “ “ 1, 1918 | . | . | . | ‡3,981,227 |
| “ “ 1, 1919 | . | . | . | 2,822,109 |

* Does not include marine loss of \$1,116,475, steamship "Templemore."

† Does not include marine loss of \$101,312, steamship "City of Naples" *et al.*

‡ Does not include marine loss of \$75,660.

NOTE.—January loss, 1911, amounting to \$165,001, deducted from previous year and included in calendar year January 1, 1911, to January 1, 1912.

ALARMS FOR THE PAST TEN YEARS.*

| YEAR. | Bell. | Still and Automatic. | Totals. |
|------------------------|-------|----------------------|---------|
| 1918..... | 2,413 | 2,649 | 5,062 |
| 1917..... | 2,252 | 2,526 | 4,778 |
| 1916..... | 2,350 | 2,128 | 4,531 |
| 1915..... | 2,847 | 2,590 | 5,437 |
| 1914..... | 2,945 | 2,589 | 5,534 |
| 1913..... | 2,594 | 2,322 | 4,916 |
| 1912..... | 2,812 | 2,432 | 5,244 |
| 1911..... | 2,291 | 2,142 | 4,433 |
| 1910 (11 months)†..... | 1,864 | 1,801 | 3,665 |
| 1909..... | 2,101 | 1,677 | 3,778 |

* Each fire is treated as having only one alarm.

† 202 bell and 196 still alarms deducted from year 1910-11 and included in calendar year January 1, 1911, to January 1, 1912.

ROLL OF MERIT, BOSTON FIRE DEPARTMENT.

Thomas J. Muldoon, Captain, Engine Company 20.
 Michael J. Teehan, Captain, Engine Company 24.
 Denis Driscoll, Captain, Engine Company 37.
 James F. McMahon, Captain, Ladder Company 1.
 Frederick F. Leary, Captain, Ladder Company 3.
 Thomas H. Downey, Captain, Engine Company 22.
 Michael J. Dacey, Lieutenant, Ladder Company 20.
 Joseph P. Hanton, Lieutenant, Ladder Company 13.
 Timothy J. Heffron, Lieutenant, Chemical Company 9.
 Martin A. Kenealy, Captain, retired.
 James E. Downey, Hoseman, retired.
 Edward McDonough, Lieutenant, Engine Company 8.
 John J. Kennedy, Ladderman, Ladder Company 13.

CHANGES FROM FEBRUARY 1, 1918, TO FEBRUARY 1, 1919.

| | |
|---|-----|
| Number of men appointed to fire force | 301 |
| Number of men reappointed to fire force | 22 |
| All others | 7 |
| Resigned | 76 |
| Discharged | 25 |
| Pensioned | 25 |
| Deaths | 33 |
| Pensioners died | 15 |

MEMBERS PENSIONED FROM FEBRUARY 1, 1918, TO FEBRUARY 1, 1919.

| | |
|---|--|
| Cornelius J. Hickey. John J. O'Neil. Jacob Schaffer. William J. McCarthy. William E. Staples. John J. Sullivan. Robert J. Carleton. James E. Nolan. William J. Griffin. Charles A. Rodd. David Kane. Robert R. Talbot. Thomas E. Kiley. Edward B. Johnson. | John B. Sheridan. William H. Barker. George B. Atwood. John M. Fitzgerald. Edward M. Illingworth. Edward J. McKendrew. Michael L. Dorgan. Patrick F. Toohig. Jacob H. Desmond. William P. Punch. Maurice Heffernan. Cornelius H. Leary. William H. Guinan. |
|---|--|

DEATH OF MEMBERS FROM FEBRUARY 1, 1918, TO
FEBRUARY 1, 1919.

James J. Hourihan.
 Thomas A. Ring.
 Wesley C. Newdick.
 George F. Morrissey.
 John E. Fitzgerald.
 Edward J. Kaine.
 Frank J. Reddington.
 Charles A. Hanson.
 Henry T. Hooper.
 George F. Beattie.
 William H. Free.
 Joseph P. Morrissey.
 Angus J. McDonald.
 William R. Connolly.
 Herbert F. Symes.
 George Layhe.
 John F. McBride.

David J. Fitzgerald.
 John J. McCarthy.
 Daniel F. Fennessey.
 Walter F. Walsh.
 John J. Craddock.
 James M. Hastings.
 Daniel F. Daly.
 William H. Boodro.
 Maurice M. Flavin.
 Frank D. O'Brien.
 William H. Condon.
 William A. Keen.
 Thomas H. McAndrews.
 John J. Dwyer.
 Edward J. Twigg.
 John P. Dowd.

DEATH OF PENSIONERS FROM FEBRUARY 1, 1918,
TO FEBRUARY 1, 1919.

Franklin G. Burley.
 Joseph C. Barrus.
 Thomas H. Ramsey.
 Matthew Burns.
 John H. Ewers.
 Robert E. Bartlett.
 John C. Holton.
 David L. Adamson.

Robert J. Gallagher.
 Edmund Fruean.
 John Baumeister.
 James M. Littleton.
 George B. Atwood.
 Johanna McManus.
 James H. LeFavor.

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