

4
05
B 407783 A

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



CITY OF BOSTON
PRINTING DEPARTMENT
1919

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



CITY OF BOSTON
PRINTING DEPARTMENT

1919

Impl. 1922



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
Willowwood 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
----------------------------------	-----

FIRE DEPARTMENT.

7

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

FIRE DEPARTMENT.

9

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
<i>Carried forward</i>	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.

FIRE DEPARTMENT.

11

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>	
	<i>Feet.</i>		<i>Feet.</i>
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 .	62½
Leading rubber hose .	—	Leading rubber hose	400
2½-inch rubber suction hose .	—	2½-inch rubber suction hose .	—
Deluge hose	200	Deluge hose	12½
Total	<u>16,240 10 in.</u>	Total	<u>14,850½</u>

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

<i>In Use.</i>		<i>In Store.</i>	
	<i>Feet.</i>		<i>Feet.</i>
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.	162½
Deluge hose	637½	Deluge hose	225
Flexible suction hose.	550	4-inch rubber hose .	82½
2½-inch rubber suction hose,	—	2½-inch rubber suction hose,	40
Total	<u>143,264½</u>	Total	<u>8,329½</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, gasoline 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
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
3 Hostlers (average)	Per Day. \$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, Roslin- dale.	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-DRICT.	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 pump.)	June 20, 1917	.....	1917	5½	*	6½	First.	15,500
2.....	Sisby Manufacturing Company.....	1890	American Fire Engine Company...	1904	8	4½	8	Second.	9,100
3.....	(Christie Tractor.....)	June 16, 1917	.....	.....	9	5½	8	First.	13,140
4.....	(American Fire Engine Company.....)	Jan., 1904	.....	.....	8½	5	8	First.	10,220
5.....	International Power Company.....	Jan., 1907	.....	.....	8	4½	8	Second.	9,435
6.....	American Fire Engine Company.....	June, 1907	.....	.....	7½	4½	8	Second.	8,500
7.....	Amoskeag Manufacturing Company.	1870	American British Company.....	1914	9	5½	8	First.	9,900
8.....	American Fire Engine Company.....	Feb., 1893	American-La France Fire Engine Company.	1907	9	5½	8	First.	12,980
9.....	(Christie Tractor.....)	July 5, 1917	.....	1917	9	5½	8	First.	12,980
10.....	(American-La France Fire Engine Company.)	May, 1907	.....	.....	8	4½	8	Second.	9,150
	Sisby Manufacturing Company.....	April, 1890	American Fire Engine Company...	1902	8	4½	8	Second.	14,500
	(American-La France Tractor.....)	Aug. 31, 1914	.....	June, 1914	.....	.....	.....	.....	.....
	Sisby Manufacturing Company.....	April, 1886	American Fire Engine Company...	1903	8	4½	8	Second.	8,900

FIRE DEPARTMENT.

33

11.....	American-La France Company. (Triple combination pump.)	July 3, 1914	.....	June, 1914	54	†	6	First.	11,200
12.....	International Power Company.....	Dec., 1911	.....	.....	74	4‡	8	Second.	9,250
13.....	Clapp & Jones Manufacturing Com- pany.	April, 1890	American Fire Engine Company..	1899	84	5	7	Second.	9,150
14.....	Seagrave Company. (Triple combi- nation pump.)	Aug. 12, 1916	.....	1916	54	*	6‡	First.	16,420
15.....	Seagrave Company. (Triple combi- nation pump.)	July 2, 1917	.....	1917	54	*	6‡	First.	15,500
16.....	Amoskeag Manufacturing Company,	July, 1872	American British Company.....	1910	74	4‡	8	Second.	8,740
17.....	(Christie Tractor.....)	Jan., 7, 1916	International Power Company.....	1907	74	4‡	8	Second.	12,380
18.....	(Amoskeag Manufacturing Company,	Nov., 1890	Manchester Locomotive Works....	1905	64	4	8	Fourth.	8,175
19.....	Manchester Locomotive Works.....	Feb., 1896	.....	1909	64	4‡	8	Third.	7,950
20.....	Silaby Manufacturing Company.....	Aug., 1882	American Fire Engine Company...	1900	8	4‡	8	Second.	9,465
21.....	(Christie Tractor.....)	Jan., 12, 1916	International Power Company.....	1907	74	4‡	8	Second.	12,560
22.....	(Amoskeag Manufacturing Company,	Sept., 1870	.....	.....	74	4‡	8	Second.	12,340
23.....	(Christie Tractor.....)	Sept. 15, 1917	.....	.....	74	4‡	8	Second.	12,340
24.....	Manchester Locomotive Works.....	Nov., 1896	.....	.....	74	4‡	8	Second.	12,340
25.....	Silaby Manufacturing Company.....	April, 1890	American Fire Engine Company...	1901	8	4‡	8	Second.	9,215
26.....	Amoskeag Manufacturing Company,	July, 1867	American Locomotive Works.....	1904	74	4‡	8	Second.	8,415
27.....	(Christie Tractor.....)	May 15, 1915	.....	.....	9	5‡	8	First.	16,000
28.....	(American-La France Fire Engine Company.)	Dec., 1910	.....	.....	9	5‡	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. (Pounds.)
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	7½	4½	8	Second.	12,800
29.....	American British Company.....	Jan., 1911	.....	.....	7½	4½	8	Second	9,250
30.....	Manchester Locomotive Works.....	Nov., 1890	International Power Company.....	1910	6½	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	.....	.....	7½	4½	8	Second.	9,100
33.....	{ Christie Tractor..... International Power Company.....	July 28, 1915 Feb., 1909	.....	.....	7½	4½	8	Second.	13,150
34.....	Amoskeag Manufacturing Company,	Dec., 1869	American British Company.....	1914	7½	4½	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.

35

37	American-La France Tractor.....	Aug. 10, 1914	International Power Company.....	1907	6½	4½	8	Third.	14,000
38	Manchester Locomotive Works.....	March, 1896	J. E. Filleul & Son.....	1917	9½	5½	8	Double extra first.	8,375
39	Manchester Locomotive Works. (Self propeller.)	June, 1897	American British Company.....	1915	8½	5	8	First.	18,170
40	Manchester Locomotive Works.....	May 10, 1917	.....	.....	.....	.....	.....	.....	14,300
41	Manchester Locomotive Works.....	June, 1901	.....	.....	.....	.....	.....	.....	10,350
42	American Locomotive Company.....	Jan., 1906	.....	.....	.....	.....	.....	.....	15,790
43	Robinson Company. (Triple combina- tion pump.)	Dec. 14, 1914	.....	.....	.....	.....	.....	.....	8,175
44	Manchester Locomotive Works.....	March, 1884	International Power Company.....	1907	6½	4½	8	Third.	12,980
45	Christie Tractor.....	Dec. 20, 1915	American Locomotive Company.....	1904	7½	4½	8	Second.	178 tons.
46	Amoskeag Manufacturing Company.....	Nov., 1867	.....	.....	.....	.....	.....	.....	11,540
47	American Fire Engine Company.....	Aug., 1895	.....	.....	.....	.....	.....	.....	13,020
48	American-La France Company. (Triple combination pump.)	Aug. 2, 1914	.....	.....	.....	.....	.....	.....	179 tons.
49	Christie Tractor.....	March, 1915	.....	.....	.....	.....	.....	.....	.....
50	International Power Company.....	Nov., 1909	.....	.....	.....	.....	.....	.....	.....
51	G. F. Blake Manufacturing Company.....	Aug., 1909	.....	.....	.....	.....	.....	.....	.....
52	Manchester Locomotive Works.....	1902	.....	.....	.....	.....	.....	.....	.....
53	Combination Hose and Chemical.....	July 25, 1918	Seagrave Company.....	1918	12 H. P. 22 L. P.	10	11	{ 2 sets of pumps, 6,000 gallons.	8,200
54	Christie Tractor.....	Oct., 1916	.....	.....	.....	.....	.....	.....	12,000
55	Manchester Locomotive Works.....	July, 1903	A. & B. Company.....	1916	8½	5	8	First.	14,240

* Piston pump.

† Rotary pump.

In Reserve.

NUMBER.	Built by	Put in Service.	Rebuilt by	Date.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Size.	Weight (Pounds).
C.....	Amoskeag Manufacturing Company,	Nov., 1872	Manchester Locomotive Works....	1898	64	44	8	Third.	7,510
D.....	American Fire Engine Company.....	June, 1885	American-La France Fire Engine Company.	1907	9	54	8	First.	9,900
33.....	Manchester Locomotive Works.....	April, 1901	.....	.....	74	44	8	Third.	9,125
11.....	Amoskeag Manufacturing Company,	March, 1879	Manchester Locomotive Works....	1905	64	44	8	Third.	8,300
17.....	Manchester Locomotive Works.....	May, 1886	Manchester Locomotive Works....	1906	64	44	8	Third.	8,490
46.....	{Christie Tractor.....	Oct. 24, 1916	.....	.....	74	44	8	Third.	12,100
12.....	{Manchester Locomotive Company....	March, 1882	Manchester Locomotive Works....	1904	64	44	8	Third.	9,175
1.....	Clapp & Jones Manufacturing Com- pany.	April, 1890	American Fire Engine Company...	1899	84	5	7	Second.	12,400
20.....	Christie Tractor.....	Mar. 27, 1917	.....	.....	.....	.....	.....	.....	.....

CHEMICAL ENGINES.

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

In Reserve.

NUMBER.	Built by	Put in Service.	Capacity.	Weight.
Reserve 1.....	Babcock Manufacturing Company.....	1890	Gallons.	Pounds.
Reserve 5.....	Babcock Manufacturing Company (altered by Hinman).....	Sept. 21, 1876	100	4,580
Reserve 9.....	Babcock Manufacturing Company (altered by Hinman).....	May 1, 1876	100	4,750
Reserve 10.....	Babcock Manufacturing Company (altered by Hinman).....	Sept. 13, 1889	100	4,270
Reserve 3.....	Babcock Manufacturing Company (altered by Hinman).....	April, 1898	70	4,700
Reserve 9.....	Babcock Manufacturing Company (altered by Hinman).....	April, 1898	100	5,500
Reserve 12.....	Babcock Manufacturing Company (altered by Hinman).....	Oct., 1890	100	4,500
Reserve 14.....	Babcock Manufacturing Company (altered by Hinman).....	1881	100	4,500
				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	10,900
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..... { C. N. Perkins & Co.....	March 2, 1917 Aug., 1905	.....	232	17	13,400
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	.....	307	15	10,040
10.....	{ Christie Tractor..... { Fire Department Repair Shop.....	Dec. 24, 1915 March 18, 1909	.....	307	12	15,010
11.....	American-La France Company.....	Jan., 1907	.....	397	14	10,050
12.....	{ Christie Tractor..... { American-La France Company.....	April, 1915 April, 1891	.....	300	Aerial.	17,830
13.....	{ Christie Tractor..... { Fire Department Repair Shop.....	July 21, 1915 1907	.....	317	Aerial.	16,600
14.....	{ Christie Tractor..... { American-La France Company.....	June 5, 1917 1906	.....	316	Aerial.	17,660

FIRE DEPARTMENT.

39

15.	Christie Tractor.....	April 18, 1917	.....	335	Aerial.	18,000
	{ American-La France Company.....	1911	.....		
16.	Christie Tractor.....	Dec. 21, 1915	.....	298	15	13,440
	{ Fire Department Repair Shop.....	Sept., 1898	.....		
17.	Christie Tractor.....	July 27, 1915	.....	281	Aerial.	17,100
	{ Seagrave Company.....	June, 1911	.....		
18.	Christie Tractor.....	May 21, 1915	.....	362	Aerial.	17,025
	{ Seagrave Company.....	April, 1910	.....		
19.	Fire Extinguisher Manufacturing Company..	Jan., 1898	.....	172	8	6,937
20.	Christie Tractor.....	Oct. 27, 1915	.....	242	8	13,100
	{ Charles N. Perkins & Co.....	Dec. 30, 1902	.....		
21.	American-La France Company.....	Dec. 10, 1913	Motor driven.....	245	10	11,500
	{ Christie Tractor.....	June 11, 1917	.....		
22.	{ Charles T. Holloway.....	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.....	April 24, 1917	.....	166	7	13,440
	{ Charles T. Holloway & Co.....	April 25, 1900	.....		
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	Motor driven.....	263	10	8,900
30.	American-La France Company.....	March 5, 1913	Motor driven.....	263	10	8,900
31.	American-La France Company.....	Feb. 24, 1913	Motor driven.....	263	10	8,900

In Reserve.

DESCRIPTION.	Built by	Weight. (Pounds.)
Relief E.....	Fire Department Repair Shop.....	8,000
Reserve Ladder 11.....	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. 1 power hammer. 1 gas tire heater. 1 tire upsetter. 1 punch and shears. 1 lever shears. 1 tire roller. 2 rubber tire setters. 1 bolt cutter. 1 fan blower.	3 vertical tubular boilers, each 75 horse power. 2 Blake boiler feed pumps.	1 Buckley electric hose test- ing and expanding engine. 2 electrically-driven sewing machines. Numerous tools and appli- cances for repairing hose and harnesses.	1 25 horse power steam engine cylinder, 9 by 31. 1 Knowles triplex pump for hose testing. 1 15 horse power motor. 2 dynamos and engines which supply current to fire alarm central station.	1 each engine lathea, with foot beds, 28 by 12; 16 by 12; 16 by 9; 14 by 8 and 14 by 6. 1 16 by 10 speed lathe. 1 16 by 10 wood lathe. 1 26 by 26 planer, 8-foot bed. 1 planer, 16 by 26, shaper. 1 radial drill, 2-upright drills. 1 wall drill. 1 circular saw. 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	
Horseshoing 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/>	
Carried forward	\$3,705 87	\$1,824,217 62

FIRE DEPARTMENT.

43

<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	
		165,914 73
Materials:		
Building	\$13,008 48	
Machinery	91 96	
Electrical	1,593 00	
General plant	28,101 71	
		42,795 15
Special items:		
Pensions and annuities		187,915 57
Workingmen's compensation		538 00
		<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 Ventilating Company	2,000 00
Architect, Joseph McGinniss	1,686 24
Electrical materials and fixtures	328 34
Window shades	83 60
Advertising	14 40
	<u>\$27,727 71</u>

Engine House 15, Reconstruction of.

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

Fire House, Winthrop Street, Charlestown.

Continuation of payments:

Reconstructing building:

Contractor, Fred E. Bowes	\$18,067 65
Heating system, Power Heating and Vent- ilating 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

\$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

\$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

\$2,291,491 53

INCOME.

Permits for fires in open spaces, fireworks, blast- ing, 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 Gov- ernment	400 00
Damage to apparatus	12 50
Damage to pipe	4 00
Refund of salary	107 34
Rebate from United States Government	90

\$9,664 14

ALARMS, FIRE LOSSES AND INSURANCE.

MONTHS.	ALARMS RECEIVED.						LOSS.		INSURANCE.		ALARMS.				Extended to Others.	Not in Building.	Out of City.	Damage None.	Damage Slight.	Damage Considerable.	Totally Destroyed.			
	ALARMS RECEIVED.						Buildings.	Contents.	Buildings.	Contents.	BELL.		STILL.											
	Members.	Police.	Citizens.	Telephone.	Automatic.	Unknown.					Total.	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	205	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	256,179	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	630,250	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	205,237	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, engine	83
Clothes near stove	16	Sparks from locomotive	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		5,174
Gasolene, naphtha, benzine	17		

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

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

James J. Hourihan.	David J. Fitzgerald.
Thomas A. Ring.	John J. McCarthy.
Wesley C. Newdick.	Daniel F. Fennessey.
George F. Morrissey.	Walter F. Walsh.
John E. Fitzgerald.	John J. Craddock.
Edward J. Kaine.	James M. Hastings.
Frank J. Reddington.	Daniel F. Daly.
Charles A. Hanson.	William H. Boodro.
Henry T. Hooper.	Maurice M. Flavin.
George F. Beattie.	Frank D. O'Brien.
William H. Free.	William H. Condon.
Joseph P. Morrissey.	William A. Keen.
Angus J. McDonald.	Thomas H. McAndrews.
William R. Connolly.	John J. Dwyer.
Herbert F. Symes.	Edward J. Twigg.
George Layhe.	John P. Dowd.
John F. McBride.	

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

Franklin G. Burley.	Robert J. Gallagher.
Joseph C. Barrus.	Edmund Fruean.
Thomas H. Ramsey.	John Baumeister.
Matthew Burns.	James M. Littleton.
John H. Ewers.	George B. Atwood.
Robert E. Bartlett.	Johanna McManus.
John C. Holton.	James H. LeFavor.
David L. Adamson.	



