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ANNUAL REPORT

OF THE

FIRE DEPARTMENT
AND WIRE DIVISION

CITY OF BOSTON

YEAR ENDING DECEMBER 31, 1929



CITY OF BOSTON
PRINTING DEPARTMENT
1930

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FOR THE

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CITY OF BOSTON
PRINTING DEPARTMENT
1930

✓

Boston Fire Department
October 17, 1931

OFFICIALS OF THE DEPARTMENT.

EUGENE C. HULTMAN,
Fire Commissioner.

HERBERT J. HICKEY,
Executive Secretary of the Department.

DANIEL F. SENNOTT,
Chief of Department.

GEORGE L. FICKETT,
Superintendent of Fire Alarm Division.

WALTER J. BURKE,
Superintendent of Wire Division.

EDWARD E. WILLIAMSON,
Superintendent of Maintenance Division.

ALBERT J. CAULFIELD,
Deputy Chief in Charge of Fire Prevention Division.

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



ANNUAL REPORT
OF THE
FIRE DEPARTMENT
FOR THE YEAR 1929.

BOSTON, April 30, 1930.

HON. JAMES M. CURLEY,
Mayor of the City of Boston.

DEAR SIR,—I have the honor to submit herewith the report of the activities of the Boston Fire Department for the year ending December 31, 1929, as required by section 24, chapter 4, of the Revised Ordinances of 1925.

Hon. Eugene C. Hultman resigned as Fire Commissioner on January 29, 1930, when he was appointed Building Commissioner. From that date until March 4, 1930, he served as Acting Fire Commissioner. Edward F. McLaughlin became Fire Commissioner on the latter date.

FIRE LOSS.

The total fire loss of 1929 in the City of Boston, as estimated by the insurance companies, amounted to \$4,129,926. During the year there were: 8,452 alarms of fire; 4,473 were box alarms, and 3,979 were still and automatic alarms; 806 false alarms were received during the year, and thirty-six arrests were made for sounding false alarms.

FIRE PREVENTION.

The Fire Prevention Division continued its effective work.

During the year all classes of buildings were inspected by members of this division as follows:

Buildings inspected	284,025
Buildings reinspected	19,480
Conditions corrected by personal contact	44,215
Conditions corrected by abatement notice	7,598
Conditions corrected by service of order	265
Personal inspection by officers of Fire Prevention Division	3,132
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Oil burners inspected	1,824
Oil burners reinspected	694
Oil burner defects corrected	417

Reports of hazardous conditions were sent to other departments as follows:

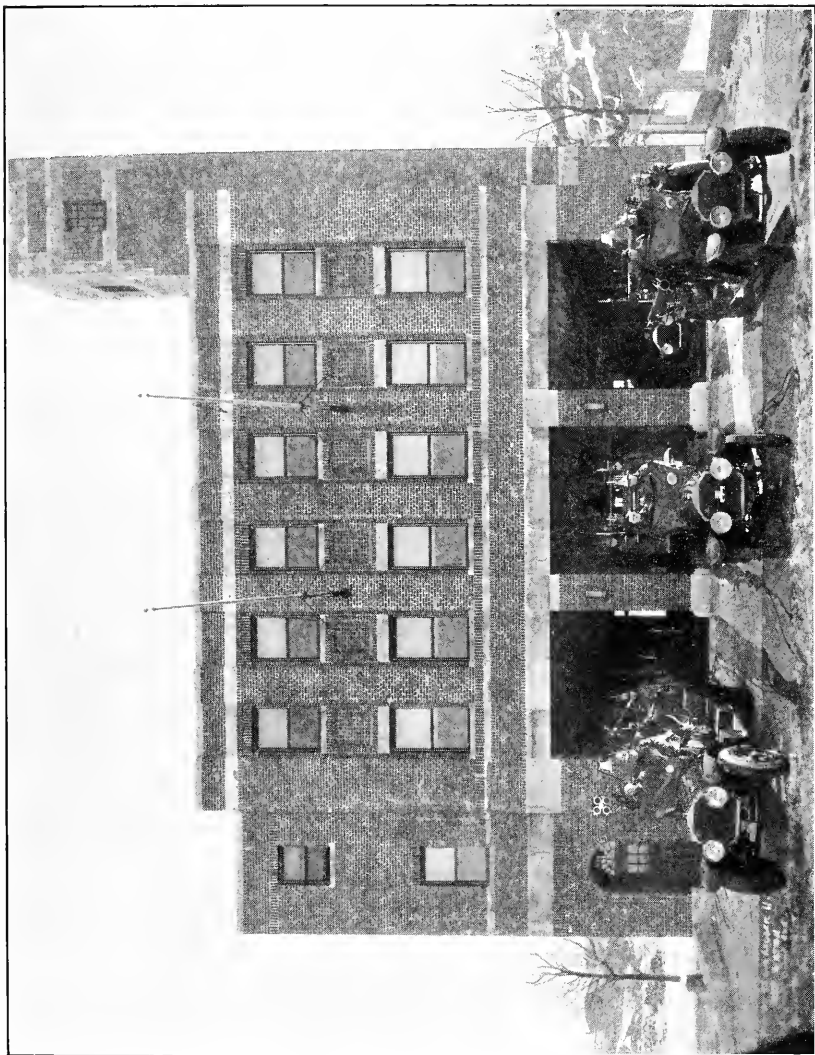
To Building Department	1,376
To State Fire Marshal	46

One thousand and four notices were sent to owners and occupants to correct hazardous conditions, and 574 personal services and orders of reinspection were made by the constable attached to the Fire Prevention Division. There were twenty-eight prosecutions for violations of the Fire Prevention Laws.

One hundred twenty-three fires were reported as suspicious and seventy-four were reported from unknown causes. Investigation was made by officers of the Fire Prevention Division of all fires of suspicious origin and report was made of all fires of suspicious or unknown origin to the State Fire Marshal, Police Commissioner and the Boston Board of Fire Underwriters.

The number of inspections made by district and company officers during the year, in addition to those of the Fire Prevention Division, were as follows:

Building inspections	57,239
Theater inspections	4,157
Schoolhouse inspections	3,883
Public building inspections	909
Car house inspections	108



NEW FIRE STATION, ENGINE 29 AND LADDER II, CHESTNUT HILL AVENUE,
ACCEPTED DECEMBER 20, 1929.

Total number of inspections made by Fire Prevention Division, district and company officers (including initial and reinspection of all types of buildings), 375,451

Seventeen thousand five hundred twenty-four dollars and fifty cents was collected in fees for permits issued by the Fire Prevention Division, a decrease of \$5,878.50 from the previous year. This decrease was due principally to the exemption of one, two and three car garages from the requirement to file renewal certificates annually.

BUILDINGS.

On December 20 the newly erected quarters for Engine Company 29 and Ladder Company 11, on Chestnut Hill avenue, Brighton, were accepted, and these companies took possession.

The building is of brick, three stories in height, with a drill tower and drill yard. The new station is equipped with all modern appliances, and takes the place of an old station a few hundred feet away. The total cost of the building above the land was \$149,489.02.

The new building in Bowdoin square is nearing completion and should be ready for occupancy early this year.

FIRE APPARATUS.

Twenty-nine (29) motor vehicles were purchased, tested and placed in service, viz.:

- 6 American LaFrance combination hose cars (booster tanks).
- 3 American LaFrance combination pump and hose cars.
- 3 American LaFrance aerial ladder trucks.
- 3 Graham-Paige sedans.
- 7 Buick sedans.
- 6 Ford roadsters with pick-up bodies.
- 1 Ford coupe.

Twelve (12) pieces of major equipment, ten (10) smaller cars and four (4) trucks were traded in as part payment for new equipment.

Complete jobs of painting and lettering performed by apparatus painters on the following:

- 3 Pumpers.
- 1 Lighting plant.
- 1 Commercial truck.
- 1 Buick sedan.
- 2 Buick touring cars.
- 4 Buick roadsters.
- 1 Ford runabout.

Paint repairs and partial paint jobs performed by apparatus painters on the following:

12 Pumpers.
 23 Wagons.
 16 Ladder trucks.
 1 Tower.
 8 Sedans.
 1 Buick coupe.
 2 Buick touring cars.
 2 Buick roadsters.
 1 Lighting plant.
 2 Ford roadsters.
 1 Chevrolet roadster.

Owing to lack of space and facilities at the Maintenance Division Repair Shop, the following number of motor vehicles were painted by outside painting concerns:

8 Pumpers.
 1 Wagon.
 4 Ladder trucks.
 1 Fuel truck.

Our motor equipment at the present time consists of the following:

TYPE.	In Service.	In Reserve.
Pumping engines.....	50	8
Steam engines (tractors).....		3
Hose cars.....	47	9
Aerial ladder trucks.....	22	4
City service trucks.....	10	3
Water towers.....	3	1
Chief officers' cars.....	36	7
School car.....	1	
Rescue cars.....	3	
Fuel cars.....	1	1
Portable lighting plants.....	2	
Wrecking car.....	1	
Motorcycle (fire patrol).....	1	
Commercial trucks.....	7	
Emergency cars (Ford).....	4	
Roadsters (Ford).....	4	
Ford coupes.....	3	
Chevrolet commercial.....	3	

The following equipment received a general overhauling by shop mechanics during the year:

- 10 Pumpers.
- 7 Hose cars.
- 1 Rescue car.
- 12 Chiefs' cars.
- 1 Commercial truck.

Wheels were cut down and pneumatic tires installed on the following equipment:

- 10 Pumpers.
- 4 Hose cars.
- 2 Ladder trucks.

Forty-six self-starting units, generators and batteries were purchased for installation during the year. Air compressors were furnished for fifteen districts.

NEW APPLIANCES.

Miners' Wheat lights were furnished and installed at the following companies during the year together with charging boards:

Engines 28, 30, 34, 42, 45, 51, 53; Ladders 10, 16, 23, 25, 30; Rescues 2 and 3; Districts 12 and 13 cars.

All service gas masks were added to the equipment of Ladders 2, 3, 4, 5, 6, 7, 9, 11, 14, 19, 20, 21, 22, 25, 26, 31; Rescues 1 and 2. Six masks were furnished to Districts 3, 7 and 15 cars, and ten to Rescue 3.

Model C inhalators were placed in service in Ladders 1, 2, 7, 16, 17, 19 and Rescue 3.

Draeger masks were furnished as follows: Three to each rescue company and two to each fireboat.

Other improved appliances were installed.

MAINTENANCE.

The equipment of the department has been kept at a high standard, the rolling stock has been tested at frequent intervals and the buildings are being constantly repaired and painted.

HIGH PRESSURE STATION.

The records of our two high pressure stations for the year are as follows:

	Station No. 1.	Station No. 2.
Total alarms to which pumps responded.....	283	202
Water discharge recorded on Venturi meters *..	78,000 gallons	415,200 gallons

* Owing to the construction of the Venturi meters, they do not record flows under 600 gallons per minute.

MARINE SERVICE.

The three fireboats were taken out of service at different times during the year for inspection by the United States Steamboat Inspection Service. All repairs ordered by the inspectors were made and the boats returned to service.

The berth at Engine 31 was dredged, and necessary repairs were made to the wharves of Engines 44 and 47.

The outboard motors and high pressure pumps which were purchased and installed during the past three years have given invaluable service in reaching fires under wharves and bridges which were heretofore practically inaccessible.

DRILL SCHOOL.

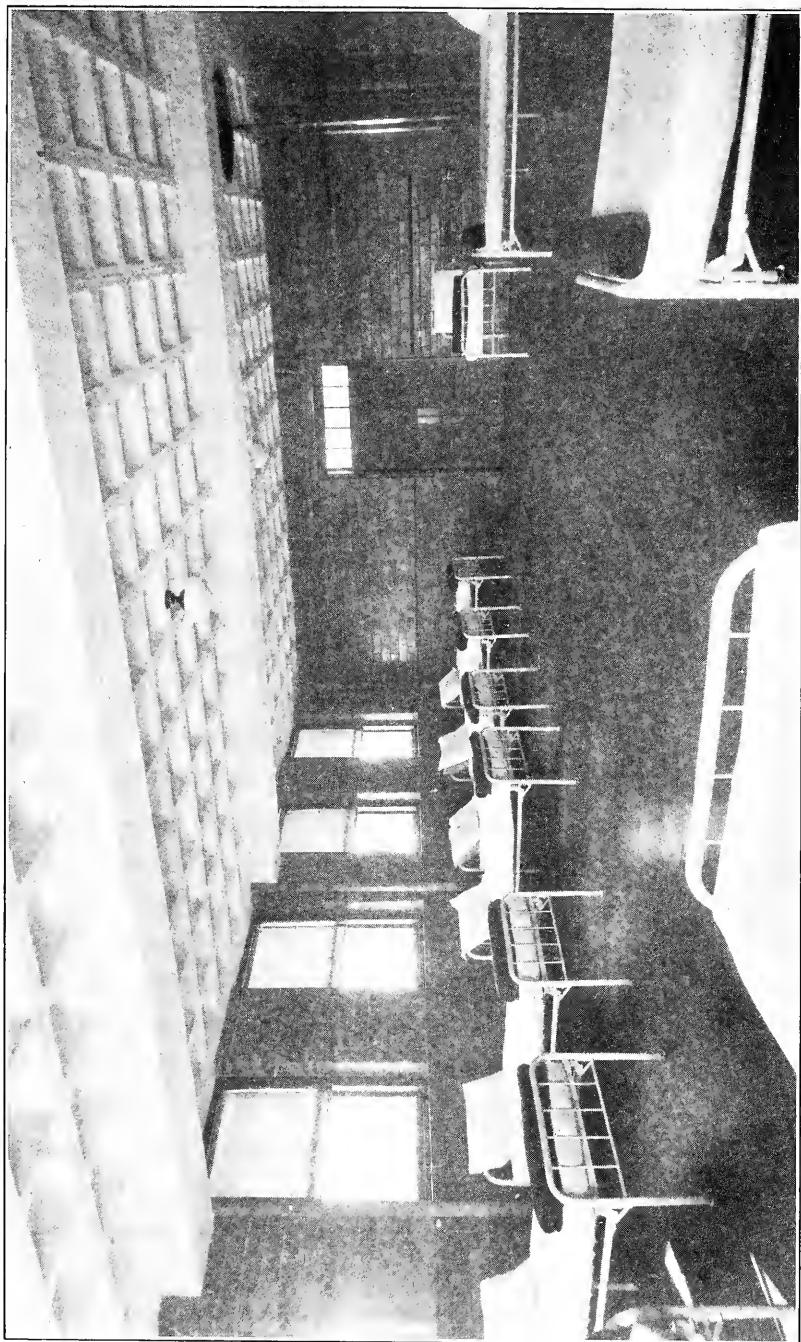
During the year eighty-two (82) appointees successfully passed the intensive course of instruction in the Department Drill School, together with ten (10) officers and members from other departments.

PUMP SCHOOL.

During the year fifty-eight (58) members from this department and two members from outside departments attended the course of instruction at the gasoline pumping engine school and qualified as motor pump operators.

CHAUFFEURS' SCHOOL.

Seventy-nine (79) members of the department received instruction in the chauffeurs' school during the year and were certified as operators of department motor vehicles. In addition, special instructions were given to various members in different companies.



DORMITORY, ENGINE 29 AND LADDER 11, CHESTNUT HILL AVENUE.

COMPANY DRILLS.

The regular weekly company drills, under the supervision of district chiefs in the various districts, were held during the year, and in addition, lectures were given by deputy chiefs on the subject of fire fighting, building inspection, etc., to the different companies in their divisions.

HYDRANTS.

The following is a list of the hydrants in service for fire purposes, as of December 31, 1929, showing the number and different types of same:

	Public.	Private.
Ordinary post.....	4,012	136
Boston post.....	2,839	22
Lowry.....	975	33
Boston Lowry.....	419	5
Batchelder and Finneran post.....	2,333	5
Boston.....	126	113
High pressure.....	451	
Chapman post.....	106	55
Ludlow post.....	5	13
Matthew post.....		4
Coffin post.....	1	
Totals.....	11,267	386

NEW RUNNING CARD.

After months of investigation, study, etc., by the special committee appointed for that purpose, a new running card was placed in service on April 15, 1929, and has on several occasions proven its value by providing adequate apparatus and man power under different conditions not heretofore provided for by previous running cards.

RESCUE COMPANY 3.

On May 31, 1929, a new company known as Rescue Company 3 was organized and temporarily located in the quarters of Engine Company 50, Charlestown. This company is equipped with various types of gas

masks, oxy-acetylene cutting outfit, elevator kit, and various other tools and appliances similar to those carried on Rescue Companies 1 and 2. When the new Bowdoin Square Fire Station is completed, Rescue Company 3 will be located in that house.

CLOTHING.

ARTICLE.	Received and Distributed.	Repaired and Cleansed.	Reissued.
Trousers.....	1,615	937	36
Sack coats.....	634	132	162
Rubber fire coats.....	483	513	19
Overcoats.....	491	122	214
Fire hats.....	131	231	53
Uniform caps.....	1,039		
Chin straps.....	48		

MEDICAL.

Number of cases of illness on file	282
Number of cases of injury on file	2,241
Number of injured, but remained on duty	1,786

EXAMINATIONS.

Inspections and examinations at Headquarters (recorded)	1,685
For appointment as probationary firemen	120
For appointment from probationary to permanent men	82
At engine houses and at hospitals and also homes of firemen either sick or injured	1,500

The number of cases of sickness this year was sixty-eight less than the year previous, but the number of cases of injury was greater by 682.

FIRE ALARM DIVISION.

OPERATING RECORDS.

First alarms	4,429
Second alarms	111
Third alarms	19
Fourth alarms	1
Total	<u>4,560</u>

FIRE DEPARTMENT.

9

BOX ALARMS RECEIVED BUT NOT TRANSMITTED.

Same box received two or more times for same fire	395
Adjacent box received for same fire	309
Received from boxes but treated as stills	34
	<hr/>
Total	<u>738</u>

STILL ALARMS RECEIVED AND TRANSMITTED.

Received from citizens by telephone	2,703
Received from Police Department by telephone	263
Received from Fire Department stations	1,239
Received from boxes but treated as stills	34
Mutual aid alarms, adjacent cities and towns, treated as stills	53
Emergency service, treated as stills	116
	<hr/>
Total	<u>4,408</u>

Still alarms received by telephone for which box alarms were afterwards received and transmitted	351
Still alarms received by telephone which were afterwards followed by box alarms that were not pulled	162

AUTOMATIC AND A. D. T. ALARMS.

Boston Automatic Fire Alarm Company:	
Transmitted by company to department stations	127
Department boxes received and transmitted in connection with same:	
Before automatic alarms	5
After automatic alarms	9
Automatic alarms transmitted which were followed by box alarms that were not pulled	21
Automatic alarms struck after still alarms were transmitted	4
American District Telegraph Company:	
Received at fire alarm office	72
Department boxes received and transmitted in connection with same:	
Before A. D. T. alarm was received	17
After A. D. T. alarm was transmitted	3
A. D. T. alarms transmitted which were followed by box alarms that were not pulled	24
A. D. T. alarms received but not transmitted after still alarm was transmitted	4
A. D. T. alarms transmitted to department	51

SUMMARY OF ALARMS.

Alarms received:	
Box alarms, including multiples	5,298
Still alarms, all classes	4,408
Boston automatic alarms	127
A. D. T. alarms	72
	<hr/>
Total received from all sources	9,905
	<hr/>
Exclude following:	
Multiples	131
Box alarms received but not transmitted	738
Still alarms for which box alarms were transmitted	513
Automatic alarms for which other alarms were transmitted	39
A. D. T. alarms for which other alarms were transmitted	48
	<hr/>
Total	1,469
	<hr/>
Total alarms, with eliminations, to which apparatus responded	8,436

FIRE ALARM BOX RECORDS.

Boxes for which no alarms were received	439
Box tests and inspections	11,282

NOTE.— All keyless doors on public boxes are tested weekly.

ALARM SERVICE.

The fire alarm system has functioned in a satisfactory manner during the past year, no serious trouble having occurred. Outside construction is in excellent condition and "open" circuits have been few. A large percentage of the "opens" was due to broken box posts, sixty-four of which were damaged by vehicles.

On February 15, 1929, a general order was issued that upon receipt of an alarm by telephone for a fire in a hospital or a home for aged people a still alarm assignment of apparatus should be dispatched, immediately after which the number of the fire alarm box nearest to the location of the fire was to be sounded. Also, similar action was to be taken for all still, automatic and A. D. T. alarms between the hours of 11 p. m. and 7 a. m.

This, I believe, is a step in the right direction, because there are so many telephones now in service many alarms are transmitted by telephone that should have the full box assignments. In other words it was felt that any fire occurring during sleeping hours might

gain more headway and be of a more serious nature than when people were up and about, and if discovered by persons inside buildings they would resort to the telephone rather than run to the nearest box. Although in many cases needless movements of apparatus have been caused by this arrangement, in some instances lives have undoubtedly been saved and large losses have been prevented.

In 1928 the bells were removed from all keyless doors and as a result the percentage of false alarms was increased considerably. In order to reduce this percentage and still give a warning signal indicating an alarm being sounded, a new method was devised which it is anticipated will accomplish the desired results. When the operating lever in the fire alarm box is pulled down to start the box movement, a relay is automatically energized thereby ringing a bell and flashing a light over the box. One hundred boxes are now being fitted with this feature.

Of 4,429 alarms received from boxes and transmitted to the department, 801 were false, about 18 per cent. This percentage was considerably reduced during the latter part of the year because of the activities of the Police Department. In 1928 about 23 per cent of the alarms were false.

Radio service between fire alarm headquarters and the fireboats has been excellent. Interference, which formerly caused more or less difficulty at headquarters, has been eliminated by the use of a receiver placed in the quarters of Engine 44 at Northern Avenue Bridge and connected to the set at headquarters.

CONSTRUCTION WORK.

About 32,000 feet of cable were hauled into underground ducts for extension of system and about 6,000 feet were used for replacements. Thirty-three box posts and one cable post were installed; seven box posts were relocated and of sixty-four that were broken by vehicles twelve were replaced by new. Approximately 8 miles of line wire and 8,475 feet of cable were used in new line construction for extension of service; about 12.5 miles of line wire and 9,576 feet of aerial cable were used for replacements, and about 8.5 miles of line wire and 7,000 feet of cable were removed from poles. Of forty-four fire alarm boxes installed, thirty-one are owned by this department, two by the Schoolhouse Department and

eleven are privately owned. Seventy-two modern succession type boxes were bought to replace obsolete boxes.

UNDERGROUND CABLES INSTALLED.

East Boston.

	Conductor.	Feet.
Gove street, from Meridian street to Paris street	15	250
Brooks street, from Saratoga street to Morris street	10	647
Putnam street, from Bennington street to Chelsea street	10	350
Marginal street, from railroad to Jeffries street	6	787
Marginal street, to Box 6113	6	402
Marginal street, from Orleans street to Clyde street	6	433
Marion street, from Paris street to Chelsea street	4	325
Pole connections	10	250
Pole connections	6	1,055
Pole connections	4	190

Charlestown.

Main street, from Harvard street to Winthrop street	4	462
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City Proper.

Chardon street, from Bowdoin square to Portland and Traverse streets	19	1,362
Huntington avenue, from Forsyth street to Box 2331	4	1,042
Post connections (test post, Portland and Traverse streets)	37	120
Post connections (Box 1331 and Protective 1 quarters)	10	70
Post connections (Boxes 1366, 1381, 2327)	6	1,000
Post connections (Boxes 1337, 1346, 1524)	4	983
Post connections (Box 1585)	2	380

South Boston.

N street, from East Broadway to East Fourth street	10	343
N street, from East Fourth street to East Sixth street	4	622
East Sixth street, from P street to Farragut road	4	647
Post and pole connections	10	378
Post and pole connections	6	236
Post and pole connections	4	621

Roxbury.

	Conductor.	Feet.
Huntington avenue, from Ruggles street to Fenwood road	37	3,269
Huntington avenue, from Fenwood road to South Huntington avenue; South Huntington avenue, from Huntington avenue to Moraine street	30	6,853
Huntington avenue, from Tremont street to Fenwood road	10	266
Parker street, from Tremont street to Longwood avenue	6	1,038
Post and pole connections	4	626

West Roxbury.

Washington street, from Asticou road to Morton street	10	755
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Brighton.

Franklin street, from Engine 41 to North Harvard street	19	3,211
Strathmore and Chiswick roads to Box 5169, North Beacon street, from Cambridge street to Gordon street	4	973
Connection to Engine 29 station	4	924
Post and pole connections	10	176
Post and pole connections	10	315
Post and pole connections	6	352
Post and pole connections	4	250

BOX POSTS INSTALLED.

East Boston.

Jeffries and Everett streets	257
Marginal street, opposite Simpson's dock	250
Marginal and Cottage streets	105
Marginal and Clyde streets	16
Paris and Gove streets	238
Chelsea and Marion streets	308
Brooks and Morris streets	145
Chelsea and Putnam streets	317

Charlestown.

Main and Winthrop streets	7.5
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City Proper.

Atlantic avenue and Clinton street	28.5
Chardon and Bowker streets	13
South Margin and Pitts streets	7
Leverett street, opposite Cotting street	25.5
West Cedar and Phillips streets	15

Pinckney and Brimmer streets	144
Berkeley and Chandler streets	7.5
Beacon and Hereford streets	23
St. Botolph and Gainsborough streets	9
Huntington avenue, at Y. M. C. A. Building	16

Roxbury.

Thornton and Ellis streets	202
Parker street, opposite Longwood avenue	8

West Roxbury.

Beech street and Roslindale avenue	12
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Hyde Park.

Hyde Park avenue, opposite pumping station	22
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South Boston.

East Fourth and Atlantic streets	35
East Third street and Farragut road	137
East Fourth and N streets	7.5
East Sixth and N streets	16
East Sixth street and Farragut road	16.5

Brighton.

Englewood avenue and Chiswick road	29.5
Chiswick and Lothian roads	69
Chestnut Hill avenue and Academy Hill road	102
North Beacon street, opposite Gordon street	16.5
Franklin and Aldie streets	28

POSTS REPLACED BY NEW.

(Broken by Vehicles.)

- 1211. Washington Street North and Endicott street.
 - 1252. North and Cross streets.
 - 1261. Brattle street, opposite Brattle square.
 - 1421. Congress and Purchase streets.
 - 1434. East and South streets.
 - 1625. Albany and Way streets.
 - 2173. Howland street and Elm Hill avenue.
 - 2317. Commonwealth avenue and Ashby street.
 - 2411. Centre street and Chestnut avenue.
 - 2516. Washington street and Elven road.
 - 3335. Harvard and Glenway streets.
 - 5215. Cambridge and Mansfield streets.
- (Fifty-two other posts were broken and parts were replaced).

(Posts Relocated.)

	Duct Feet.
1422. High street, opposite High Street place	20
1261. Brattle street, opposite Brattle square (raised).	
2516. Washington street and Elven road (raised).	
2764. Montview street, near Park street (lowered).	
3532. Morton and Oakridge streets	42
3633. Washington street and Southern Artery	34.5
372. Hyde Park avenue, opposite pumping station	22

NEW CABLE POST.

	Feet.
Huntington avenue, opposite Fenwood road (4 ducts),	17.5

NEW MANHOLE.

Thornton street, near Ellis street

NEW HANDHOLES.

Paris and Gove streets.
Paris and Marion streets.

NEW POLE CONNECTIONS.

	Duct Feet.
Marginal street, at Boston, Revere Beach and Lynn Railroad *	132
Paris and Brooks streets	112
Marginal and Orleans streets	214
East Fourth and Atlantic streets	181
East Sixth and P streets *	90
Wellington Hill and Ormond streets	89
Franklin and Brentwood streets	113
Franklin and Raymond streets	108
North Harvard street, opposite Spurr street	25
Academy Hill road, opposite Parkland street	35

NEW HOUSE CONNECTIONS.

Ladder 23, Washington street (2 additional ducts)	70
Engine 29, Chestnut Hill avenue	71

PUBLIC FIRE ALARM BOXES INSTALLED.

- 1331. Chardon and Bowker streets.
- 1337. South Margin and Pitts streets.
- 1346. Leverett and Cotting streets.
- 1366. West Cedar and Phillips streets.
- 1381. Pinckney and Brimmer streets.
- 1524. Berkeley and Chandler streets.

* Installed by Telephone Company.

- 1585. Beacon and Hereford streets.
- 2266. Thornton and Ellis streets.
- 2327. St. Botolph and Gainsborough streets.
- 2331. Huntington avenue, at Y. M. C. A. Building.
- 2596. West and DeForest streets.
- 2746. Church street and Cranston road.
- 2749. Willow and Dunbar streets.
- 2768. Corey street and Brook Farm road.
- 2771. LaGrange and Pleasant streets.
- 2776. Lasell and Caspar streets.
- 3477. Oakton avenue and Glide street.
- 3479. Minot and Saranac streets.
- 3481. Allendale avenue and Southern Artery.
- 4114. Main and Winthrop streets.
- 4171. Oak and Russell streets.
- 5147. Euston and Claymoss roads.
- 5173. Chiswick and Lothian roads.
- 5181. Chestnut Hill avenue and Academy Hill road.
- 5183. Kenrick and Trapelo streets.
- 5212. Cambridge and Windom streets.
- 5233. North Beacon and Gordon streets.
- 6217. Cowper and Moore streets.
- 6247. Orient and Seaview avenues.
- 6251. Faywood avenue and Overlook street.
- 7426. East Fourth and Atlantic streets.

SCHOOLHOUSE BOXES INSTALLED.

- 12-2131. Horace Mann School, Kearsarge avenue.
- 2343. Peterborough and Kilmarnock streets, auxiliary
Martin Milmore School.

PRIVATE FIRE ALARM BOXES INSTALLED.

- 15-1313. Boston and Maine Railroad Yard, foot of Haverhill
street.
- 15-1461. Keith's Memorial Theatre.
- 12-1546. Back Bay Railroad Station.
- 12-2254. Boston Elevated Railway Service Garage, Wash-
ington and Guild streets.
- 12-2346. Sears, Roebuck & Co., Brookline avenue and Audu-
bon road.
- 14-2411. Thomas G. Plant Company, 89 Bickford street.
- 13-3274. Fields Corner Theatre.
- 12-3571. Rugby Freight House, New York, New Haven and
Hartford Railroad.
- 3631. Boston Transit Department, Codman Street Yard.
- 6242. Ashley street, near Breed, auxiliary St. Lazarus
School.
- 7128. Boston Fish Pier.

FIRE ALARM BOXES RELOCATED.

2361. From Parker and Prentiss streets to Parker street, opposite Longwood avenue.
 2773. From LaGrange and Vale streets to LaGrange and Yorktown streets.
 3412. From Educational Publishing Company, Clayton street to Clayton street, opposite Leonard street.
 6218. From Paul Jones School to Horace and Byron streets.
 7332. From East First and P streets to East Third street and Farragut road.

FIRE ALARM BOXES REMOVED FROM SERVICE.

- 12-1233. Pormort School, Snelling place.
 15-1481. Girls' Continuation School, Washington and Oak streets.
 13-1572. Horace Mann School, Newbury and Exeter streets.
 2343. Peterborough and Kilmarnock streets.*

FIRE ALARM BOXES IN SERVICE.

Total number	1,500
Owned by Fire Department	1,056
Owned by Schoolhouse Department	257
Owned by Boston Automatic Fire Alarm Company,	53
Privately owned	134

FIRE DEPARTMENT BOXES.

On box posts	657
On poles	379
On buildings	15
In buildings	5
Equipped with keyless doors	895
Equipped with quick-action doors	155
Equipped with key doors	6
Equipped with auxiliary attachments	3
Succession type	413
Designated by red lights	785

SCHOOLHOUSE BOXES.

On box posts	57
On poles	23
On buildings	115
In buildings	62
Equipped with keyless doors	193
Equipped with key doors	54
Equipped with quick-action doors	10
Equipped with auxiliary attachments	254
Succession type	134
Designated by red lights	56

* Fire Department box removed and Schoolhouse box installed in place thereof.

BOSTON AUTOMATIC FIRE ALARM COMPANY BOXES.

On poles	4
On buildings	16
In buildings	33
Equipped with keyless doors	8
Equipped with key doors	41
Equipped with quick-action doors	4
Equipped with auxiliary attachments	53
Succession type	8

PRIVATE BOXES.

On poles	12
On buildings	41
In buildings	81
Equipped with keyless doors	15
Equipped with key doors	92
Equipped with quick-action doors	27
Equipped with auxiliary attachments	19
Succession type	87

FIRE ALARM BOXES IN DISTRICTS.

District 1	88	District 9	101
District 2	74	District 10	124
District 3	39	District 11	140
District 4	82	District 12	93
District 5	74	District 13	133
District 6	99	District 14	131
District 7	100	District 15	103
District 8	118		

CLASSIFICATION OF FIRE ALARM BOXES.

Academies	4	Prison	1
Adjoining city	1	Public halls	2
Airport	1	Railroad shops	5
Armory	1	Railroad stations	5
Asylums	4	Railroad yards	17
Car houses	8	Retail stores	5
Cemetery	1	Restaurant	1
City yard	2	Schoolhouses (public)	257
Garages	3	Schoolhouses (parochial)	6
Home for Aged People,	1	Stock yards	1
Hospitals	24	Street boxes	1,045
Hotels	5	Theatres	30
Manufacturing plants	27	Warehouses	8
Museum	1	Wharves	10
Navy Yard	7	Wholesale houses	3
Office buildings	9		
Power stations	5		

FIRE DEPARTMENT.

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POSTS AND CABLE TERMINAL BOXES.

Box posts in service	714
Box posts installed but not used as yet	4
Cable terminal posts (large size)	78
Cable terminal posts (small size)	23
Pole cable boxes (underground connections)	265

CIRCUITS.

Box circuits	82
Tapper circuits	18
Gong circuits	16
Special signalling circuits	3
Telephone lines to department stations	67
Trunk lines to Kenmore Exchange	10
Trunk lines to Garrison Exchange	2
Special lines:	
Boston Protective Department	1
American District Telegraph Company	1
Boston Automatic Fire Alarm Company	1
Tie lines:	
Wire Division	1
Police Headquarters	1
Edison Electric Illuminating Company	1

FIRE ALARM APPARATUS.

Tappers in service	165
Boston tappers in adjoining cities and towns	10
Tappers connected to systems of adjoining cities and towns in Boston stations	6
Gongs in service	85
Combination sets (relays and tappers)	24
Registers in service (outside of fire alarm office)	30
Relays in service (outside of fire alarm office)	24
Telephones in department system	153
Public telephones, rented by department	23
Traffic horns in service	23
Traffic bells in service	22

SUMMARY OF WORK DONE IN 1929.

	Approximate Number of Feet.
Line wire used in new work and replacements	109,055
Line wire removed from service	46,980
Aerial cable installed	18,051
Conductors in same	83,030
Aerial cable removed from service	7,000
Conductors in same	39,000
Underground cable installed	32,023
Conductors in same	525,488

	Approximate Number of Feet.
Underground cable replaced	6,082
Conductors in same	89,908
Conduits laid underground	4,208
Ducts in same	4,330
Ducts abandoned	906
Manhole built	1
Handholes built	2
Fire alarm boxes installed by this department	31
Fire alarm boxes installed by Schoolhouse Department	2
Fire alarm boxes installed on private property	11
Fire alarm boxes relocated	5
Fire alarm boxes removed from service	4
Box posts installed	33
Box posts relocated	7
Box posts reset or replaced by new	12
Cable post installed	1
Underground cable boxes attached to poles	10
Underground cable boxes removed from service	5

In accordance with chapter 240 of the Acts of 1926, the following streets were prescribed for the Underground District for 1929, from which all poles and overhead wires were to be removed and the wires placed underground:

East Boston.—Chelsea street, from Maverick street to Day square.

Hyde Park.—Central avenue, from Arlington street to Metropolitan avenue.

Roxbury.—Cabot street, from Linden street to Whittier street; Parker street, from Tremont street to Ward street; Prentiss street, from Parker street to Tremont street; Whittier street, from Cabot street to Tremont street.

Brighton.—Gerald road, from Commonwealth avenue to Gillard road.

Dorchester.—Fernald terrace, from Quincy street; Adams street, from Eaton square to Dorchester avenue.

South Boston.—East Sixth street, from K street to Farragut road; Emerson street, from East Fourth street, near K street, to East Fourth street at M street; East Fourth street, from Dorchester street a distance of 4,972 feet to a point within 305 feet of the west line of P street.

Making a total distance of four miles as prescribed by law.

The companies owning the poles and wires responded very satisfactorily and at the close of the year the work, with few exceptions, was completed.

The fire losses due to electrical causes were small, the total insurance loss in so far as could be determined being \$90,601.73, and there were eight (8) accidents due to electricity, two (2) of which were fatal.

The income for permits to perform interior electrical work was \$88,321.52.

INTERIOR DIVISION.

The inspection of all new electrical construction and appliances brought to the attention of the division was carried on, and in all cases the rules and requirements were rigidly enforced. Regular inspections and tests were made of the electrical equipment of all theatres, places of amusement, and public halls, and attention was given to old electrical equipment for the purpose of making them safe.

Following is a table showing a summary of the work of the division:

Notices of new work received	23,963
Number of permits issued to turn on current	18,343
Number of incandescent lamps inspected	2,378,061
Number of motors inspected	16,253
Number of buildings in which wiring was completely examined	5,743
Number of inspections made	41,048
Number of inspections made of theatres, places of amusement and public halls	973

During the year there were 111 fires, and eight accidents to persons, caused by electricity, as follows:

Fires in interior of buildings	111
Fires on poles	4
Fires in manholes	1
Injuries to persons	8
Miscellaneous overhead fires	2

EXTERIOR DIVISION.

In the underground district for the year 1929 as prescribed there were standing on January 1, 1929, a total of two hundred and three (203) poles (not including the trolley poles of the Boston Elevated Railway which are exempt) supporting a total of eight hundred twenty-six thousand (826,000) feet of overhead wires, or a little more than one hundred fifty-six (156) miles, owned by the Edison Electric Illuminating

Company, New England Telephone and Telegraph Company, Boston Elevated Railway Company, Boston Fire Department (Fire Alarm Branch) and Boston Police Department (Police Signal Service).

In addition to the regular inspection work necessary on account of new construction, the inspection of old overhead construction is also included in the duties of our inspectors.

During the past year the inspectors of this division have reported ninety-two (92) poles decayed at base and eighteen (18) poles leaning, or a total of one hundred and ten (110) poles, which were replaced by new poles or reset by the various companies at the request of this department. Thirty-nine (39) abandoned poles were also reported by our inspectors and were removed by the owners at our request.

The following table shows the overhead work from January 1 to December 31, 1929, inclusive:

Number of new poles in new locations	279
Number of poles replaced, reset or straightened	722
Number of poles removed	273
Number of poles now standing in the public streets,	18,036
Number of defects reported	2,460
Number of defects corrected	2,349
(Other defects in process of correction.)	
Number of notices of overhead construction	10,276
Number of overhead inspections	21,937
Number of overhead reports	9,776
Amount of overhead wire removed by owners (in feet)	3,290,177

UNDERGROUND CONSTRUCTION.

The ducts used for the underground conduits of the drawing in system are of the following type:

1. Vitrified clay (laid in concrete).
2. Fiber (laid in concrete).
3. Iron.
4. Wood.

In side or residential streets a considerable amount of special underground construction for electric light and power purposes (110 and 220 volts) of a type known as the "Split Fiber Solid Main System" has been installed.

The electrical approvals for underground electrical construction numbered 4,141.

Number of inspections of underground electrical construction, 8,219.

Number of reports of underground electrical construction, 3,545.

Table Showing the Amount and Distribution of Boston's Electrical Power December 31, 1929.

COMPANY.	Total Rated Horse Power of Boilers.	Total Rated Horse Power of Engines.	Capacity of Incandescent Lamps in Kilowatts.	Capacity of Arc Lamps in Kilowatts.	Kilowatts of Motors.	Kilowatts of Mixed Load.	Number of Stations.
Boston Elevated Railway.....	49,064	248,970	4,268	15	365,630	87,050	20
Edison Electric Illuminating Company. . .	54,424	292,816	*	*	*	*	61
Charlestown Gas and Electric Company. . .			2,300	250	3,000	1,000	1
Quaker Building Company.....	620	400	125		106		1
Hanover Street Trust.....	500	360	140		75	215	1
Totals.....	104,608	542,546	6,833	265	368,811	88,265	84

* Unknown. (Meter capacity connected to lines of Edison system, 1,068,294 kilowatts.)

Character of Cable Used by the Various Companies.

COMPANY.	Kind of Insulation.	Size.
Boston Elevated Railway.....	Rubber and paper.....	No. 4/0 to 3,000,000 C. M.
Boston Fire Department (Fire Alarm Branch).	Rubber.....	2 to 37 pair.
Boston Police Department (Police Signal Service).	Rubber.....	7 conductor.
Boston Schoolhouse Department. . .	Rubber.....	4 conductor.
Charlestown Gas and Electric Company.	Rubber, varnished, cambric, paper.	No. 6 to 350,000 C. M.
Edison Electric Illuminating Company.	Rubber and paper.....	No. 10 to 1,500,000 C. M.
New England Telephone and Telegraph Company.	Paper, pulp, rubber, silk and cotton.	2 to 1212 pair.
Western Union Telegraph Company.	Paper.	11 to 455 pair.

Table Showing Underground Work for the Year 1929.

COMPANY.	Feet of Conduit.	Feet of Duct.	Feet of Cable.	Number of Manholes.	Number of Services.
Boston Elevated Railway.....	8,758	68,732	37,357	22	
Boston & Maine Railroad.....	550	3,132	.....	3	
Boston Fire Department (Fire Alarm Branch).	1,996	1,996	32,023	.....	18
Boston Police Department (Police Signal Service).	183	183	22,850	.....	2
Boston Schoolhouse Department..	.....	.....	576	.....	.....
Charlestown Gas and Electric Company.	868	1,986	51,099	8	143
Edison Electric Illuminating Company.	168,226	398,342	1,448,877	222	2,028
New England Telephone and Telegraph Company.	12,429	30,140	162,881	21	97
Western Union Telegraph Company.	2,537	12,119	20,192	9	3
Totals.....	195,547	516,630	1,775,855	284	2,291

NOTE.—“Split Fiber Solid Main System” is included in the above figures, comprising 6,718 feet of conduit and 13,820 feet of duct of the Edison Electric Illuminating Company, and 210 feet of conduit and 404 feet of duct of the Charlestown Gas and Electric Company.

LIST OF WIRE DIVISION EMPLOYEES,
DECEMBER 31, 1929.

	Salary per annum.
1 Superintendent	\$4,500
1 Chief clerk	2,800
1 Chief inspector	2,900
1 Chauffeur	1,800
1 Clerk and cashier	2,200
1 Clerk and stenographer	1,800
1 Clerk	1,600
1 Clerk	1,400
1 Engineer	2,400
21 Inspectors (interior)	1,800—2,500
10 Inspectors (exterior)	1,600—2,200
1 Stenciller	1,600
1 Stenographer and assistant cashier	1,800
1 Stenographer	1,500
1 Stenographer (clerk and stenographer)	1,300
1 Telephone operator and clerk	1,300

STATEMENT OF APPROPRIATION AND EXPENDITURES FROM
JANUARY 1, 1929, TO DECEMBER 31, 1929, INCLUSIVE.

Appropriation	\$109,791 32
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EXPENDITURES.

A-1. Employees	\$97,609 61
B-1. Printing and binding	1,204 00
B-3. Advertising and posting	100 90
B-4. Transportation of persons	2,927 30
B-12. Premiums on bonds	40 00
B-13. Communication	649 40
B-37. Photographic	8 13
B-39. General plant	86 40
C-4. Motor vehicles (equipment)	2,310 00
C-10. Library	265 00
C-13. Tools and instruments	156 80
D-1. Office	2,151 13
D-11. Motor vehicle (gas and oils)	293 49
D-16. General plant (supplies)	17 55
E-10. Electrical	19 38
E-13. General plant (stencilling)	150 00
F-7. Pensions	108 33
<hr/>	
Total expenditures	\$108,097 42
<hr/>	
Unexpended balance	\$1,693 90
<hr/>	

LIST OF PROPERTY — WIRE DIVISION.

- 7 150-300 volt Weston Direct Current Double Reading Voltmeters.
- 1 300-volt Weston Direct Reading Alternating and Direct Current Voltmeter.
- 1 1500-volt Weston Direct Reading Voltmeter.
- 1 50-ampere Weston Direct Reading Ammeter.
- 2 300-volt Weston Alternating and Direct Current Voltmeters.
- 1 15-ampere Thomson Alternating Ammeter.
- 1 1500-ampere Weston Direct Reading Mil-ammeter.
- 1 1200 ampere Thomson Alternating Ammeter.
- 1 500-ampere Weston Direct Reading Ammeter.
- 1 15-volt Weston Direct Reading Voltmeter.
- 1 Queen Testing Set.
- 3 Bichloride of Silver Batteries, each 60 cells.
- 1 120-volt Weston Direct Current Miniature type Voltmeter.
- 1 150-volt Weston Direct Current Miniature type Voltmeter.
- 1 Ford truck.
- 1 Buick sedan.
- 1 Ford runabout.
- 1 Camera complete.
- 4 0-10000 ohms circuit testers.

RECOMMENDATIONS.

This report is being made for the year previous to my taking office.

During the short time I have been here certain conditions in the department have come to my attention which will warrant considerable study. After a thorough investigation of these conditions, I will be happy to submit such recommendations as appear proper.

EDWARD F. McLAUGHLIN,
Fire Commissioner.

FINANCIAL STATEMENT.

EXPENDITURES FOR THE YEAR.

Personal Service:		
Permanent employees	\$3,543,625 58	
Temporary employees	510 42	
Unassigned	3,886 77	
	<hr/>	\$3,548,022 77
Service Other than Personal:		
Printing and binding	\$4,881 97	
Advertising and posting	103 25	
Transportation of persons	1,279 84	
Cartage and freight	267 67	
Hire of teams and auto trucks,	225 00	
Light, heat and power	33,051 41	
Rent, taxes and water	3,318 44	
Bond and insurance premiums,	15 00	
Communication	10,986 48	
Motor vehicle repairs and care,	16,625 91	
Cleaning	3,993 89	
Medical	1,000 00	
Fees, etc.	767 85	
Photographic and blueprinting,	395 67	
General plant	72,109 86	
	<hr/>	149,022 24
Equipment:		
Cable, wire, etc.	\$12,694 08	
Machinery	3,882 30	
Electrical	31,198 71	
Motor vehicles	172,379 73	
Furniture and fittings	11,379 08	
Office	2,572 15	
Marine	293 00	
Tools and instruments	49,906 78	
Wearing apparel	37,163 68	
General plant	6,455 69	
	<hr/>	327,925 20
Supplies:		
Office	\$9,070 56	
Food and ice	568 09	
Fuel	72,336 15	
Forage and animal	15 09	
Medical, surgical, laboratory	267 86	
Laundry, cleaning, toilet	3,315 33	
Motor vehicle	37,534 97	
	<hr/>	
<i>Carried forward</i>	\$123,108 05	\$4,024,970 21

<i>Brought forward</i>	\$123,108 05	\$4,024,970 21
Chemicals and disinfectants	6,676 14	
General plant	4,809 74	
	<hr/>	134,593 93
Materials:		
Building	\$24,702 69	
Electrical	4,816 63	
General plant	36,286 74	
	<hr/>	65,806 06
Special Items:		
Pensions and annuities	\$326,760 13	
Workingmen's compensation	134 85	
	<hr/>	326,894 98
		<hr/>
		\$4,552,265 18
Wire Division:		
Personal Service:		
Permanent employees	\$97,609 61	
Service Other than Personal:		
Printing and binding, \$1,204 00		
Advertising and post- ing	100 90	
Transportation of per- sons	2,927 30	
Bond and insurance premiums	40 00	
Communication	649 40	
Photographic and blueprinting	8 13	
General plant	86 40	
	<hr/>	5,016 30
Equipment:		
Motor vehicles	\$2,310 00	
Library	265 00	
Tools and instruments, 156 80		
	<hr/>	2,731 80
Supplies:		
Office	\$2,151 13	
Motor vehicle	293 49	
General plant	17 55	
	<hr/>	2,462 17
Materials:		
Electrical	\$19 38	
General plant	150 00	
	<hr/>	169 38
Special Items:		
Pensions and annuities	108 33	
	<hr/>	108,097 42
		<hr/>
		<u>\$4,660,362 60</u>

Fire Station, Brighton:

Payments on account:

Architects, Fay, Spofford and Thorndike	\$7,320 96
Contractor, M. Spinelli and Sons	110,333 59
Borings	763 26
Printing	494 91
Blueprints	273 46
Advertising	20 10

\$119,206 28

Fire Station, West End District, Building:

Payments on account:

Architect, George Ernest Rob- inson	\$11,520 00
Demolishing old buildings	3,745 00
Blueprints	1,040 28
Specifications	978 97
Advertising	23 25

\$17,307 50

RECAPITULATION.

Fire Department	\$4,552,265 18
Wire Division	108,097 42
Fire Station, Brighton	119,206 28
Fire Station, West End District, Building	17,307 50

\$4,796,876 38
ANNUAL REPORT OF REVENUE, BOSTON
FIRE DEPARTMENT, YEAR 1929.

INCOME.

Permits for fires in open spaces; fireworks; blasting; transportation and storage of ex- plosives; garage and gasolene storage, etc.	\$17,542 50
Sale of old material (condemned hose)	430 73
Sale of old material (junk)	693 16
Sale of badges	604 50
Property damage (cable)	265 26
Property damage (fire-alarm boxes and posts)	1,774 84
Property damage (fire apparatus)	530 97
Sale of fuel (cannel coal)	20 00

\$21,861 96

FIRE DEPARTMENT ORGANIZATION.

Fire Commissioner, EUGENE C. HULTMAN.
 Executive Secretary, HERBERT J. HICKEY.
 Chief of Department, DANIEL F. SENNOTT.
 Superintendent of Maintenance, EDWARD E. WILLIAMSON.
 Superintendent of Fire Alarm Division, GEORGE L. FICKETT.
 Superintendent of Wire Division, WALTER J. BURKE.
 Deputy Chief in charge of Fire Prevention Division, ALFRED
 J. CAULFIELD.
 Medical Examiner, WILLIAM J. McNALLY, M. D.

CLERKS.

Fire Department.

James P. Maloney, George F. Murphy, Edward L. Tierney,
 William J. Hurley, Frank M. Fogarty, Thomas W. O'Connell,
 Henry J. Egan, William J. O'Donnell, Warren F. Fenlon,
 James H. Finnerty, William D. Slattery, Eugene J. Sullivan,
 William V. Doherty, Edward L. Barry, Dorothy E. Campbell,
 Edward W. Purcell, Bertha G. McNamara, Joseph A. Magner.

Wire Division.

Chief clerk, John F. Flanagan.

William McSweeney, Celina A. O'Brien, Mary F. Fleming,
 May D. Marsh, James P. McKenna, Mary E. Sullivan, James F.
 McClafferty.

HEADQUARTERS.

	Per Annum.
1 Commissioner	\$7,500
1 Executive secretary	\$3,300-\$3,600
1 Chief clerk	2,800
1 Executive clerk	2,800
1 Medical examiner	\$3,500-\$4,000
2 Clerks	\$1,900-\$2,000
1 Clerk	\$1,700-\$1,800
1 Clerk	\$1,400-\$1,500
1 Clerk	\$1,300-\$1,400
1 Clerk	\$1,200-\$1,300
1 Elevatorman and assistant janitor	\$1,700-\$1,800
	Per Week.
1 Cleaner	\$18.00
	Per Annum.
1 Apparatus operator (messenger)	\$2,100-\$2,200
1 Apparatus operator (clerk)	\$2,100-\$2,200
1 Hoseman clerk	2,100
1 Hoseman clerk	\$2,000-\$2,100

FIRE PREVENTION DIVISION.

	Per Annum.
1 Chief Fire Prevention	\$2,900
1 Clerk	\$2,000-\$2,100
1 Clerk	1,700
1 Clerk	\$1,200-\$1,300
1 Stenographer	\$1,100-\$1,200
1 Constable	1,600
1 Captain Fire Prevention	\$2,600-\$2,700

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FIRE-FIGHTING BRANCH.

	Per Annum.
1 Chief of Department	\$6,500
1 Assistant Chief of Department	\$4,500-\$5,000
6 Deputy chiefs	\$4,000-\$4,500
30 District chiefs	\$3,500-\$4,000
87 Captains	\$2,600-\$2,700
130 Lieutenants	\$2,400-\$2,500
2 Aides-to-Chief (lieutenant)	\$2,400-\$2,500
2 Aides-to-Chief	2,300
3 Aides-to-Commissioner (private)	2,300
3 Engineers (marine)	2,300
6 Masters	2,200
3 Engineers	2,200
6 Assistant engineers	2,100
100 Apparatus operators	2,200
1,112 Privates:	
731	2,100
217	\$2,000-\$2,100
36	\$1,900-\$2,000
32	\$1,800-\$1,900
36	\$1,700-\$1,800
36	\$1,600-\$1,700
24	1,600

1,492

MAINTENANCE DIVISION.

	Per Annum.
1 Superintendent of Maintenance	\$3,500-\$4,000
1 Superintendent, High Pressure Steam and Marine Service	3,000
1 Garage superintendent	2,300
1 General foreman	\$2,900-\$3,000
1 Motor apparatus engineer	\$2,900-\$3,000
2 Assistant motor apparatus engineers	2,600
1 Storekeeper and property clerk (hoseman),	\$2,400-\$2,500
1 Master carpenter (hoseman)	2,300
1 Foreman painter	\$2,200-\$2,300
1 Foreman auto repairer	\$2,400-\$2,500
1 Clerk and bookkeeper	\$2,300-\$2,400

	Per Annum.
1 Clerk	\$1,900-\$2,000
1 Clerk	\$1,800-\$1,900
1 Master hose repairer	\$2,200-\$2,300
1 Clerk	1,600
3 Engineers in charge	\$2,400-\$2,500
11 Engineers (High Pressure Service)	2,200
13 Engineers, motor squad	2,300
	Per Day.
3 Firemen (7 day)	\$6.50-\$6.90
	Per Week.
3 High Pressure engineers	\$43.00-\$45.00
1 Engineer	\$42.00-\$45.00
	Per Annum.
1 Master steamfitter	\$2,300
1 Master apparatus painter	2,100
	Per Day.
47 Mechanics	\$6.00
6 Blacksmiths.	
9 Painters.	
6 Carpenters.	
3 Steamfitters.	
3 Machinists.	
16 Auto repairers.	
1 Auto trimmer and canvas worker.	
2 Auto mechanics.	
1 Rubber goods repairer.	
2 Plumbers	\$6.50
2 Wheelwrights	6.25
4 Leading auto repairers	6.50
7 Helpers (mechanic's assistants)	5.50
1 Vulcanizer and assistant storekeeper	5.50
1 Chauffeur and auto mechanic	\$5.50-\$6.00
3 Laborers	5.00
1 Brick mason	7.00
1 Mason	6.00
	Per Annum.
1 Supervisor, building repairs	\$2,500

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FIRE ALARM DIVISION.

	Per Annum.
1 Superintendent of Fire Alarm	\$4,000
1 Supervisor of construction	3,300
1 Aide-to-superintendent	2,300
1 Batteryman	2,100
1 Clerk	\$1,800-\$1,900

	Per Annum.
1 Custodian	\$1,900
1 Assistant foreman of construction	2,500
1 Instructor of telegraphy	2,500
1 Chief operator	3,000
3 Principal operators	\$2,600-\$2,700
6 Operators	\$2,400-\$2,500
7 Assistant operators	\$1,600-\$2,100
1 Property clerk and storekeeper	\$2,100-\$2,200

	Per Day.
1 Assistant batteryman	\$5.50-\$6.00
4 Cable splicers	6.50
5 Inside wiremen	6.50
1 Laborer	5.00
9 Linemen	6.00
3 Machinists (7 day)	6.00
1 Radio operator	\$2,100-\$2,400
4 Repairers and linemen	6.25

CHIEF OF DEPARTMENT.

DANIEL F. SENNOTT.

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

Assistant Chief of Department, HENRY A. FOX.

DIVISION 1.

Deputy Chiefs, HENRY J. POWER and JOHN J. KELLEY.

Headquarters, Ladder House 8, Fort Hill Square.

This division comprises Districts 1, 2, 3, 4, 5.

District 1.

District Chiefs, THOMAS E. CONROY and HENRY KRAKE.

Headquarters, Ladder House 2, Paris Street,
East Boston.

Apparatus Located in the District.—Engines 5, 9, 11, 40, 47 (fireboat), Ladders 2, 21, 31.

District 2.

District Chiefs, PHILIP A. TAGUE and HAMILTON A. McCLAY.

Headquarters, Engine House 50, Winthrop Street,
Charlestown.

Apparatus Located in the District.—Engines 27, 32, 36, 50, Ladders 9, 22, Rescue 3.

District 3.

District Chiefs, JOHN J. KENNEY and JOHN F. GOOD.

Headquarters, Ladder House 18, Pittsburgh Street.

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

District 4.

District Chiefs, AVERY B. HOWARD and JOHN F. McDONOUGH.

Headquarters, Engine House 4, Bulfinch Street.

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

District 5.

District Chiefs, JOHN F. WATSON and DENNIS J. COUGHLIN.

Headquarters, Engine House 26-35, Broadway.

Apparatus Located in the District.—Engines 7, 10, 26, 35, Ladder 17, Rescue 1, Water Tower 2.

DIVISION 2.

Deputy Chiefs, THOMAS H. DOWNEY and WILLIAM F. QUIGLEY.

Headquarters, Engine House 22, Warren Avenue.

This division comprises Districts 6, 7, 8, 11.

District 6.

District Chiefs, MICHAEL J. TEEHAN and EDWARD G. CHAMBERLAIN.

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 Chiefs, NAPEEN BOUTILIER and MICHAEL F. MINEHAN.

Headquarters, Engine House 22, Warren Avenue.

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

District 8.

District Chiefs, LOUIS C. STICKEL and DANIEL MARTEL.

Headquarters, Ladder House 12, Tremont Street.

Apparatus Located in the District.—Engines 13, 14, 37, Ladders 12, 26.

District 11.

District Chiefs, THOMAS H. ANDREOLI and CORNELIUS J. O'BRIEN.

Headquarters, Engine House 41, Harvard Avenue, Brighton.

Apparatus Located in the District.—Engines 29, 34, 41, 51, Ladders 11, 14.

DIVISION 3.

Deputy Chiefs, WALTER M. McLEAN and FRANK A. SWEENEY.

Headquarters, Ladder House 23, Washington Street,
Grove Hall.

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

District 9.

District Chiefs, WILLIAM H. McCORKLE and EDWARD J. LOCKE.

Headquarters, Engine House 12, Dudley Street.

Apparatus Located in the District.— Engines 12, 23, 24,
Ladders 4, 23, Rescue 2.

District 10.

District Chiefs, FRANCIS J. JORDAN and CHARLES H. LONG.

Headquarters, Engine House 17, Parish Street,
Meeting House Hill.

Apparatus Located in the District.— Engines 17, 18, 21,
Ladder 7.

District 12.

District Chiefs, TIMOTHY F. DONOVAN and JOSEPH W. SHEA.

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

Apparatus Located in the District.— Engines 28, 42,
53, Ladders 10, 30.

District 13.

District Chiefs, CHARLES A. DONOHUE and PATRICK J. V. KELLEY.

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

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

District 14.

District Chiefs, JAMES MAHONEY and JAMES F. RYAN.
Headquarters, Engine House 46, Peabody Square,
Dorchester.

Apparatus Located in the District.—Engines 16, 20,
46, 52, Ladders 6, 27, 29.

District 15.

District Chiefs, JOHN P. MURRAY and MICHAEL D.
SULLIVAN.

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

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

FIRE DEPARTMENT STATIONS.

STATIONS.	Location.	Ward.	Number of Feet.	ASSESSED VALUES.			Remarks.
				Total.	Land.	Buildings.	
Engine 1.....	Dorchester and Fourth streets.....	6	8,169	\$51,400	\$10,800	\$40,600	Engine 1 and Ladder 5.
Engine 2.....	O and Fourth streets.....	6	4,000	19,200	2,200	17,000	
Engine 3.....	440 Harrison avenue.....	3	4,000	30,000	11,000	19,000	Engine 3 and Ladder 3.
Engine 4.....	5 Bulfinch street.....	3	6,098	100,000	60,900	39,100	
Engine 5.....	64 Marion street.....	1	3,625	28,200	2,000	26,000	
Engine 6.....	24 Leverett street.....	3	2,269	40,000	10,000	30,000	
Engine 7.....	East street.....	3	1,893	90,000	47,300	42,700	
Engine 8.....	133 Salem street.....	3	2,568	60,700	25,700	35,000	
Engine 9.....	60 Paris street.....	1	4,720	33,300	8,300	25,000	Engine 9 and Ladder 2.
Engine 10.....	60 River street.....	5	1,886	24,500	14,200	10,300	
Engine 11.....	761 Saratoga street.....	1	10,000	45,000	5,000	40,000	Engine 11 and Ladder 21.
Engine 12.....	411 Dudley street.....	8	7,320	40,000	10,900	29,100	
Engine 13.....	201 Cabot street.....	9	4,832	14,800	4,800	10,000	
Engine 14.....	27 Centre street.....	9	5,713	19,600	4,600	15,000	
Engine 15.....	109 Dorchester avenue.....	6	2,803	24,200	4,200	20,000	
Engine 16.....	45 River street.....	17	12,736	20,600	3,200	17,400	
Engine 17.....	Parish street.....	15	9,450	100,000	3,300	96,700	Engine 17 and Ladder 7.
Engine 18.....	30 Harvard street.....	17	9,440	18,800	3,800	15,000	

FIRE DEPARTMENT.

Engine 19.	128 Babson street.	18	7,683	14,500	1,500	13,000	
Engine 20.	32 Walnut street.	16	7,500	18,200	3,000	15,200	Engine 20 and Ladder 27.
Engine 21.	641 Columbia road.	7	10,341	77,900	12,900	65,000	
Engine 22.	72 Warren avenue.	4	7,500	65,000	24,500	40,500	Engine 22 and Ladder 13.
Engine 23.	84 Northampton street.	8	3,445	11,000	5,200	5,800	
Engine 24.	434 Warren street.	12	4,186	18,300	3,300	15,000	
Engine 25.	Fort Hill square.	3	4,175	146,000	104,400	41,600	Engine 25, Ladder 8, Water Tower 1, Rescue 1.
Engine 26, 35, etc.	194 and 196 Broadway.	3	8,150	265,200	65,200	200,000	
Engine 27.	Elm street.	2	2,600	17,500	3,200	14,300	
Engine 28.	659 Centre street.	19	10,377	44,000	15,600	28,400	Engine 28 and Ladder 10.
Engine 29.	30 Chestnut Hill avenue.	22	14,358	38,600	8,600	30,000	Engine 29 and Ladder 11.
Engine 30.	1940 Centre street.	20	12,251	25,000	4,000	21,000	Engine 30 and Ladder 25.
Engine 31.	531 Commercial street.	3	*				
Engine 32.	440 Bunker Hill street.	2	8,188	25,000	7,400	17,600	
Engine 33.	941 Boylston street.	5	5,648	102,000	73,400	28,600	Engine 33 and Ladder 15.
Engine 34.	444 Western avenue.	22	4,637	17,800	800	17,000	
Engine 36.	44 Monument street.	2	5,668	21,000	2,800	18,200	Engine 36 and Ladder 22.
Engine 37.	352 Longwood avenue.	4	5,231	25,000	15,700	9,300	Engine 37 and Ladder 26.
Engine 38 and 39.	344 Congress street.	6	4,000	53,000	26,000	27,000	
Engine 40.	258 Sumner street.	1	4,010	67,000	3,000	64,000	
Engine 41.	16 Harvard avenue.	21	6,112	34,500	6,100	28,400	Engine 41 and Ladder 14.
Engine 42.	3089 Washington street.	11	3,848	22,900	2,900	20,000	Engine 42 and Ladder 30.

* No land or building assessed to Fire Department, but all under "Atkins Wharf."

Fire Department Stations.—Concluded.

STATIONS.	Location.	Ward.	Number Feet.	ASSESSED VALUES.			Remarks.
				Total.	Land.	Buildings.	
Engine 43.....	5 Boston street.....	7	5,133	\$19,600	\$4,600	\$15,000	Engine 43 and Ladder 20.
Engine 44.....	Northern avenue.....	6	.....	31,000	.....	31,000	
Engine 45.....	4246 Washington street.....	19	14,729	30,400	7,400	23,000	Engine 45 and Ladder 16.
Engine 46.....	1884 Dorchester avenue.....	16	4,875	23,700	3,700	20,000	
Engine 47.....	Adjoining South Ferry.....	1	11,950	31,600	21,600	10,000	
Engine 48.....	Harvard avenue.....	18	9,450	40,100	6,100	34,000	
Engine 49.....	217 East Milton street.....	18	14,475	35,600	3,600	32,000	Engine 48 and Ladder 28.
Engine 50.....	34 Winthrop street.....	2	3,000	28,900	3,900	25,000	
Engine 51.....	425 Fanuil street.....	22	9,889	42,000	2,000	40,000	
Engine 52.....	120 Callender street.....	14	7,200	13,200	1,200	12,000	Engine 52 and Ladder 29.
Engine 53.....	16 Walk Hill street.....	19	11,253	17,800	2,800	15,000	
Ladder 1.....	152 Friend street.....	3	1,676	40,000	26,800	13,200	
Ladder 4.....	198 Dudley street.....	8	3,923	40,000	5,900	34,100	
Ladder 9.....	333 Main street.....	2	4,290	16,000	6,000	10,000	
Ladder 12.....	1046 Tremont street.....	9	4,311	25,600	8,600	17,000	
Ladder 17.....	160 Harrison avenue.....	3	2,134	28,100	10,700	17,400	
Ladder 18.....	9 Pittsburgh street.....	6	8,964	58,000	31,300	26,700	Ladder 18 and Water Tower 3.

Ladder 19.....	715 East Fourth street.....	6	3,100	10,700	1,700	9,000
Ladder 23.....	Washington street.....	14	6,875	21,800	3,400	18,400
Ladder 24.....	North Grove street.....	3	3,918	19,800	9,800	10,000
Ladder 31.....	381 Saratoga street.....	1	9,300	40,600	5,600	35,000
Headquarters.....	60 Bristol street.....	3	15,679	118,000	19,600	98,400
Bureau of Supplies and Repairs.	363 Albany street.....	3	8,000	68,000	18,000	50,000
Fire alarm shop.....	11 Wareham street.....	8	8,500	40,000	12,700	27,300
Garage.....	618 Harrison avenue.....	8	3,816	11,000	7,600	3,400
Veterinary Hospital....	Atkinson street *.....	8	46,042	90,000	69,100	20,900
Fire Alarm station....	59 Fenway †.....	4	.....	268,000	.....	268,000

* Assessed as 46,042 feet of land to the Public Works Department.

† No assessment on land. Building is in the Park Department.

ENGINES.

NUMBER.	Built by	Put in Service.	Rebuilt by	Date.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Capacity.	Weight. (Pounds.)
1.....	American-LaFrance pump.....	Dec. 19, 1921	.....	.....	5½	.....	6	1,000 gallons.	11,300
2.....	American-LaFrance triple combination.	Oct. 16, 1929	.....	.....	5½	.....	6	750 gallons.	12,000
3.....	American-LaFrance pump.....	April 30, 1926	.....	.....	5½	.....	6	750 gallons.	12,000
4.....	American-LaFrance pump.....	May 3, 1926	.....	.....	5½	.....	6	750 gallons.	12,000
5.....	American-LaFrance pump.....	Sept. 27, 1919	.....	.....	5½	.....	6	1,000 gallons.	11,030
6.....	American-LaFrance pump.....	July 13, 1922	.....	.....	5½	.....	6	750 gallons.	11,030
7.....	American-LaFrance pump.....	Nov. 22, 1921	.....	.....	5½	.....	6	1,000 gallons.	11,030
8.....	American-LaFrance pump.....	May 25, 1925	.....	.....	5½	.....	6	750 gallons.	11,030
9.....	American-LaFrance pump.....	July 24, 1923	.....	.....	5½	.....	6	750 gallons.	11,030
10.....	American-LaFrance pump.....	Sept. 3, 1920	.....	.....	5½	.....	6	1,000 gallons.	11,030
11.....	American-LaFrance pump.....	May 21, 1925	.....	.....	5½	.....	6	750 gallons.	11,030
12.....	American-LaFrance pump.....	July 19, 1922	.....	.....	5½	.....	6	750 gallons.	11,030
13.....	American-LaFrance pump.....	July 20, 1922	.....	.....	5½	.....	6	750 gallons.	11,030
14.....	American-LaFrance pump.....	May 23, 1925	.....	.....	5½	.....	6	750 gallons.	11,030
15.....	American-LaFrance pump.....	Oct. 22, 1924	.....	.....	5½	.....	6	750 gallons.	11,030
16.....	American-LaFrance triple combination.	Dec. 5, 1919	.....	.....	5½	.....	6	750 gallons.	12,000

17.....	American-LaFrance pump.....	Aug. 14, 1923	.....	5½	.....	6	750 gallons.	11,030
18.....	American-LaFrance pump.....	Oct. 28, 1921	.....	5½	.....	6	750 gallons.	11,030
19.....	American-LaFrance combination.....	Oct. 7, 1929	.....	5½	.....	6	750 gallons.	11,500
20.....	American-LaFrance pump.....	Oct. 29, 1921	.....	5½	.....	6	750 gallons.	11,030
21.....	American-LaFrance pump.....	Oct. 16, 1924	.....	5½	.....	6	750 gallons.	11,030
22.....	American-LaFrance pump.....	Aug. 31, 1923	.....	5½	.....	6	750 gallons.	11,030
23.....	American-LaFrance pump.....	May 1, 1920	.....	5½	.....	6	1,000 gallons.	11,300
24.....	American-LaFrance pump.....	July 21, 1922	.....	5½	.....	6	750 gallons.	11,030
25.....	American-LaFrance pump.....	April 30, 1926	.....	5½	.....	6	750 gallons.	12,000
26.....	American-LaFrance pump.....	Dec. 10, 1920	American-LaFrance Company... 1923	5½	.....	6	1,000 gallons.	11,300
27.....	American-LaFrance pump.....	July 17, 1923	.....	5½	.....	6	750 gallons.	11,030
28.....	American-LaFrance pump.....	May 12, 1926	.....	5½	.....	6	750 gallons.	12,000
29.....	American-LaFrance pump.....	Sept. 19, 1923	.....	5½	.....	6	750 gallons.	11,030
30.....	American-LaFrance pump.....	Oct. 18, 1921	.....	5½	.....	6	750 gallons.	11,030
31.....	{ G. F. Blake Manufacturing Com- pany fireboat.	1914	.....	17	10	11	1 pump, 3,000 gallons.	104 tons.
32.....	American-LaFrance pump.....	May 15, 1926	.....	5½	.....	6	750 gallons.	12,000
33.....	American-LaFrance pump.....	Aug. 28, 1923	.....	5½	.....	6	750 gallons.	11,030
34.....	American-LaFrance pump.....	Aug. 6, 1923	.....	5½	.....	6	750 gallons.	11,030
35.....	American-LaFrance pump.....	Oct. 26, 1928	.....	5½	.....	6	750 gallons.	12,000
36.....	American-LaFrance pump.....	May 22, 1925	.....	5½	.....	6	750 gallons.	11,030
37.....	American-LaFrance pump.....	July 11, 1923	.....	5½	.....	6	750 gallons.	11,030
38.....	American-LaFrance pump.....	May 3, 1926	.....	5½	.....	6	750 gallons.	12,000

Engines.—Concluded.

NUMBER.	Built by	Put in Service.	Rebuilt by	Date.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Capacity.	Weight (Pounds).
39	American-LaFrance pump.	Oct. 14, 1924			5½		6	750 gallons.	11,030
40	American-LaFrance pump.	July 24, 1923			5½		6	750 gallons.	11,030
41	American-LaFrance pump.	July 20, 1919			5½		6	750 gallons.	11,030
42	American-LaFrance pump.	Oct. 10, 1924			5½		6	750 gallons.	11,030
43	American-LaFrance pump.	Oct. 14, 1922			5½		6	750 gallons.	11,030
44	American Fire Engine Company (fireboat).	Aug. 1895			{ 12½ H. P. 18 L. P. }	{ 10 10 }	11	{ 2 sets of pumps, 6,000 gallons.	178 tons.
45	American-LaFrance pump.	Aug. 31, 1922			5½		6	750 gallons.	11,030
46	American-LaFrance pump.	Sept. 18, 1923			5½		6	750 gallons.	11,030
47	G. F. Blake Manufacturing Company (fireboat).	Aug. 1909			{ 12½ H. P. 22 L. P. }	{ 10 10 }	11	{ 2 sets of pumps, 6,000 gallons.	179 tons.
48	American-LaFrance pump.	Sept. 12, 1922			5½		6	750 gallons.	11,030
49	American-LaFrance pump.	Oct. 17, 1921			5½		6	750 gallons.	11,030
50	American-LaFrance pump.	March 2, 1920			5½		6	750 gallons.	11,300
51	American-LaFrance pump.	Dec. 19, 1921			5½		6	750 gallons.	11,030
52	American-LaFrance pump.	Nov. 15, 1919			5½		6	750 gallons.	12,000
53	American-LaFrance combination.	Oct. 11, 1929			5½		6	750 gallons.	11,500

Engines in Reserve.

NUMBER.	Built by	Put in Service.	Rebuilt by	Date.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Capacity.	Weight. (Pounds.)
101-P....	American-LaFrance pump.	Aug. 2, 1914	.....	.....	5½	.....	6	750 gallons.	11,540
125-P....	American-LaFrance pump.	Nov. 1, 1919	.....	.....	5½	.....	6	750 gallons.	10,880
129-P....	American-LaFrance pump.	Oct. 25, 1920	.....	.....	5½	.....	6	750 gallons.	11,030
132-P....	American-LaFrance pump.	March 26, 1920	.....	.....	5½	.....	6	750 gallons.	10,500
136-P....	American-LaFrance pump.	Oct. 18, 1920	.....	.....	5½	.....	6	750 gallons.	10,500
137-P....	American-LaFrance pump.	Nov. 15, 1920	.....	.....	5½	.....	6	750 gallons.	12,200
138-P....	American-LaFrance pump.	Jan. 26, 1921	.....	.....	5½	.....	6	750 gallons.	11,030
144-P....	American-LaFrance pump.	Dec. 19, 1921	.....	.....	5½	.....	6	750 gallons.	11,030
113-T....	{ Christie tractor (American Locomotive Works).	{ July, 1903 { Dec., 1915	Manchester Locomotive Works,	1916	8½	5	8	First Size.	14,240
123-T....	Christie tractor (Manchester Locomotive Works).	Jan., 1904	.....	.....	7½	4½	8	Second Size.	13,140
133-T....	{ Christie tractor (Amoskeag Manufacturing Company).	{ July 30, 1920 { Dec., 1904	J. B. Filleul & Son.....	1919	8½	5	8	First Size.	14,350

HOSE CARS.

NUMBER.	Built by	Put in Service.	Diameter of Cylinder.	Stroke.	Weight. (Pounds.)
1.....	Seagrave combination.....	Aug. 15, 1917	5½	6½	11,600
3.....	American-LaFrance combination.....	Aug. 4, 1928	5½	6	10,500
4.....	American-LaFrance high pressure car No. 4.....	Sept. 16, 1921	5½	6	13,600
5.....	American-LaFrance combination.....	Sept. 10, 1919	5½	6	9,470
6.....	American-LaFrance combination.....	Oct. 6, 1927	5½	6	10,500
7.....	American-LaFrance high pressure car No. 1.....	Jan. 5, 1921	5½	6	10,240
8.....	American-LaFrance combination.....	Oct. 6, 1927	5½	6	10,500
9.....	American-LaFrance combination.....	July 24, 1923	5½	6	9,500
10.....	American-LaFrance combination.....	July 28, 1928	5½	6	10,500
11.....	Seagrave combination.....	Feb. 5, 1917	5½	6½	12,050
12.....	American-LaFrance combination.....	July 21, 1922	5½	6	10,500
13.....	American-LaFrance combination.....	Aug. 5, 1922	5½	6	10,500
14.....	American-LaFrance combination.....	May 23, 1925	5½	6	12,000
15.....	American-LaFrance (booster tank and pump).....	Oct. 18, 1929	5½	6	12,800
17.....	American-LaFrance combination.....	Aug. 9, 1928	5½	6	10,500
18.....	American-LaFrance combination.....	June 9, 1926	5½	6	10,500
19.....	American-LaFrance combination.....	June 23, 1920	5½	6	9,500
20.....	American-LaFrance combination.....	March 15, 1920	5½	6	9,500
21.....	American-LaFrance (booster tank and pump).....	Oct. 19, 1929	5½	6	12,800

FIRE DEPARTMENT.

22.....	American-La France combination.....	Aug.	1, 1928	5½	6	10,500
23.....	American-La France combination.....	May	1, 1920	5½	6	10,100
24.....	American-La France combination.....	Aug.	1, 1922	5½	6	10,500
25.....	American-La France high pressure car No. 2.....	Feb.	5, 1921	5½	6	13,600
26.....	American-La France combination.....	Oct.	11, 1927	5½	6	10,500
27.....	American-La France combination.....	July	17, 1923	5½	6	9,500
28.....	American-La France combination.....	July	27, 1928	5½	6	10,500
29.....	American-La France combination.....	Sept.	19, 1923	5½	6	9,500
30.....	American-La France combination.....	June	4, 1926	5½	6	10,500
32.....	American-La France combination.....	Oct.	23, 1919	5½	6	9,500
33.....	American-La France combination.....	Aug.	3, 1928	5½	6	10,500
34.....	American-La France combination.....	Aug.	6, 1923	5½	6	9,500
35.....	American-La France combination.....	Sept.	26, 1927	5½	6	10,500
36.....	American-La France (booster tank and pump).....	Oct.	25, 1929	5½	6	12,800
37.....	American-La France combination.....	March	22, 1921	5½	6	9,500
38.....	American-La France (booster tank and pump).....	Oct.	18, 1929	5½	6	12,800
39.....	American-La France (booster tank and pump).....	Oct.	18, 1929	5½	6	12,800
40.....	American-La France combination.....	July	24, 1923	5½	6	9,500
41.....	American-La France combination.....	Oct.	11, 1927	5½	6	10,500
42.....	American-La France (booster tank and pump).....	Oct.	26, 1929	5½	6	12,800
43.....	American-La France combination.....	May	25, 1925	5½	6	12,000
45.....	American-La France combination.....	Sept.	9, 1923	5½	6	9,500

Hose Cars.—Concluded.

NUMBER.	Built by	Put in Service.	Diameter of Cylinder.	Stroke.	Weight. (Pounds.)
46.....	American-LaFrance combination.....	June 2, 1926	5½	6	10,500
48.....	American-LaFrance combination.....	Feb. 1, 1921	5½	6	9,500
49.....	American-LaFrance combination.....	Jan. 24, 1921	5½	6	9,500
50.....	American-LaFrance combination.....	Oct. 3, 1927	5½	6	10,500
51.....	American-LaFrance combination.....	Dec. 15, 1920	5½	6	9,800
53.....	American-LaFrance combination.....	April 9, 1920	5½	6	9,500

Hose Cars in Reserve.

NUMBER.	Built by	Put in Service.	Diameter of Cylinders.	Stroke.	Weight. (Pounds.)
312.....	Seagrave combination.....	Feb. 10, 1917	5½	6½	11,360
313.....	Seagrave combination.....	Feb. 15, 1917	5½	6½	12,020
316.....	Seagrave combination.....	July 9, 1917	5½	6½	11,360
318.....	Seagrave combination.....	Aug. 11, 1917	5½	6½	12,100
319.....	Seagrave combination.....	Aug. 13, 1917	5½	6½	12,100
321.....	Seagrave combination.....	Sept. 27, 1917	5½	6½	12,500
322.....	Seagrave combination.....	Sept. 18, 1917	5½	6½	11,560
328.....	American-LaFrance combination.....	Feb. 28, 1920	5½	6	9,500
331.....	American-LaFrance combination.....	April 13, 1920	5½	6	9,500

LADDERS.

NUMBER.	Built by	Put in Service.	Feet of Ladders.	Number of Ladders.	Weight. (Pounds.)
1.	American-LaFrance, Type 17 (85-foot)	Aug. 10, 1928	359	Aerial.	17,000
2.	American-LaFrance, Type 17 (75-foot)	Oct. 15, 1923	412	Aerial.	16,500
3.	American-LaFrance, Type 17 (85-foot)	May 15, 1926	337	Aerial.	17,000
4.	American-LaFrance, Type 17 (85-foot)	Jan. 8, 1925	332	Aerial.	17,000
5.	Seagrave (75-foot) American-LaFrance 17-4 Tractor	June 4, 1917	311	Aerial.	24,200
6.	American-LaFrance, Type 14	Aug. 20, 1923	198	8	11,500
7.	American-LaFrance, Type 14	Aug. 14, 1923	247	9	11,500
8.	{ American-LaFrance, Type 17 { Seagrave (85 foot)	June 28, 1928 Jan. 26, 1915	394	Aerial.	22,000
9.	American-LaFrance, Type 17 (85-foot)	Nov. 22, 1927	386	Aerial.	17,000
10.	American-LaFrance, Type 17 (75-foot)	May 19, 1925	331	Aerial.	17,000
11.	American-LaFrance, Type 17 (85-foot)	May 23, 1925	391	Aerial.	17,000
12.	American-LaFrance, Type 17 (85-foot)	Nov. 26, 1928	377	Aerial.	17,000
13.	American-LaFrance, Type 17 (85-foot)	Aug. 7, 1928	398	Aerial.	17,000
14.	American-LaFrance, Type 17 (85-foot)	Dec. 7, 1928	373	Aerial.	17,000
15.	American-LaFrance, Type 17 (85-foot)	Nov. 19, 1928	384	Aerial.	17,000
16.	American-LaFrance, Type 14	Sept. 18, 1923	268	10	11,500
17.	American-LaFrance, Type 17 (85-foot)	Jan. 11, 1929	364	Aerial.	17,000

FIRE DEPARTMENT.

18	American-La France, Type 17	Feb.	2, 1926	305	Aerial.	17,000
	(Seagrave (85-foot))	April,	1910			
19	American-La France, Type 14	Sept.	28, 1923	266	10	11,500
20	American-La France, Type 17 (85-foot)	Nov.	19, 1927	338	Aerial.	17,000
21	American-La France, Type 14	Aug.	5, 1926	259	10	11,500
22	American-La France, Type 14	Oct.	14, 1924	229	10	11,500
23	American-La France, Type 17 (85-foot)	May	17, 1926	321	Aerial.	17,000
24	American-La France, Type 17 (75-foot)	May	27, 1922	299	Aerial.	16,500
25	American-La France, Type 14	Aug.	26, 1926	285	11	11,500
26	American-La France, Type 17 (85-foot)	May	19, 1925	331	Aerial.	17,000
27	American-La France, Type 14	Oct.	4, 1923	260	10	11,500
28	American-La France, Type 14	Nov.	8, 1920	272	10	11,500
286	Spare American-La France, Type 14*	Oct.	18, 1923	.....	.....	11,500
29	American-La France, Type 14	Aug.	5, 1926	258	10	11,500
30	American-La France, Type 17 (75-foot)	Oct.	17, 1923	358	Aerial.	16,500
31	American-La France, Type 14	Aug.	3, 1926	344	12	11,500

* Spare truck in District 15, alternating weekly with Ladder 28.

Reserve Ladders.

NUMBER.	Built by	Put in Service.	Weight. (Pounds.)
209-T	American-LaFrance, Type 17, Tractor (75-foot) Aerial	Dec. 2, 1926 1891	10,810
210-T	American-LaFrance, Type 17, Tractor (85-foot) Aerial	Feb. 2, 1926	17,000
220-T	American-LaFrance, Type 17, Tractor (85-foot) Aerial	Aug. 3, 1926-1911	17,000
223-T	American-LaFrance, Type 17, Tractor (85-foot) Aerial	Sept. 28, 1926-1906	17,000
227	American-LaFrance, Type 14	Oct. 18, 1920	11,500
231	American-LaFrance, Type 14	Aug. 14, 1923	11,500
239	American-LaFrance, Type 14	Oct. 14, 1924	11,500

RESCUE CARS.

NUMBER.	Built by	Put in Service.	Rebuilt by	Diameter of Cylinder.	Stroke.	Weight. (Pounds.)
1	Pierce-Arrow Company, body of truck	Aug. 2, 1920		5	7	11,000
2	{ American-LaFrance chassis Foamite tanks	Nov. 2, 1925	Boston Fire Department Repair Shop,	5½	6	
3	Reserve, American-LaFrance temporary					

WATER TOWERS.

NUMBER.	Serial Number.	Built by	Put in Service.
1.	401-T	{ American-LaFrance, Type 17, Tractor { American-LaFrance Tower	Feb. 17, 1927 Oct. 30, 1912
2.	404-T	{ American-LaFrance, Type 17, Tractor. { Kansas City Fire Department Supply Company.	April 14, 1928 May 17, 1890
3.	403-T	{ American-LaFrance, Type 17, Tractor. { International Company.	Jan. 5, 1928 Nov. 2, 1903
Reserve.	402-T	{ American-LaFrance, Type 17, Tractor. { Kansas City Fire Department Supply Company.	Nov. 12, 1926 Dec. 18, 1893

TOOLS AND MACHINERY IN MAINTENANCE DIVISION REPAIR SHOP.

Blacksmith Shop.	Boiler Room.	Hose and Harness Shop.	Main Floor.	Wheelwright and Machine Shop.
<p>1 electric emery wheel. 1 wall drill. 5 forges. 1 electric power hammer. 1 tire upsetter. 1 lever shears. 1 tire roller. 1 bolt cutter. 1 fan blower. 1 power hack saw. 2 upright drills. 1 splitting shears. 1 threading machine.</p>	<p>3 vertical tubular boilers, each 75 horse power. 2 Blake boiler feed pumps. 2 Warren fuel oil pumps.</p>	<p>1 Buckley electric hose testing and expanding engine. 2 electrically-driven sewing machines, numerous tools and appliances for repairing hose and harnesses.</p>	<p>1 Knowltes triplex pump for hose testing. 1 Richardson-Phoenix motor oil purifier (Model L). 1 hydraulic press, 60-ton. 1 3-ton overhead crane. 1 air compressor and storage tank. 1 5-ton auto ambulance. Appliances for repairing and charging batteries. 1 weaver tire changing tool. 1 exhaust blower. Also tools for the repair of automobile apparatus.</p>	<p>1 15 horse power motor. 1 each engine lathes, with foot beds, 28 by 12; 16 by 12; 14 by 8, and 14 by 6 (belt-driven). 1 16 by 8 electric-driven engine lathe. 1 16 by 10 speed lathe; 1 16 by 10 wood lathe. 1 24 by 24 planer, 8-foot bed. 1 16 by 29 shaper; 1 radial drill. 3 upright drills; 1 circular saw; 1 band saw. 1 boring and mortising machine. 2 buzz planers; 1 grindstone. 1 portable Syntron electric hammer; numerous small tools. 1 motor-driven Brown & Sharpe Universal milling machine. 1 motor-driven valve grinding machine. 1 electric emery wheel. 1 heavy duty brake lining machine. 1 3 horse power pedestal grinder. 1 12-light wheat miners' light charging board; 1 ½-inch electric valve refacer.</p>
<p>PAINT SHOP.</p>				
<p>1 paint-spraying outfit complete, 1 fireproof steel booth with fireproof self-closing door, and equipped with a ventilating fan.</p>				

HOSE.

Hose Purchased.

	Feet.
2½-inch leading cotton hose	15,000
3-inch leading cotton hose	5,000
3½-inch leading cotton hose	1,000
4½-inch hard rubber suction	63
¾-inch chemical hose	2,500
¾-inch chemical hose with apparatus	1,400
3-inch suction, two 10-foot lengths	20
2-inch suction, two 10-foot lengths	20
1-inch deck hose	200
3-inch metallic suction	16½
Total	<u>25,219½</u>

Hose Condemned.

	Feet.
2½-inch leading cotton hose	13,161
3-inch leading cotton hose	2,698
3½-inch leading cotton hose	992
4½-inch hard rubber suction	63
¾-inch chemical hose	1,800
1-inch deck hose	100
Total	<u>18,814</u>

Hose Repaired.

	Feet.
2½-inch leading cotton hose	19,200
3-inch leading cotton hose	5,800
3½-inch leading cotton hose	100
¾-inch chemical hose	5,150
1-inch deck hose	50
4½-inch hard rubber suction	10½
Total	<u>30,310½</u>

Hose in Use.

	Feet.
2½-inch leading cotton hose	114,400
2½-inch hose for dump fires at East Boston	900
3-inch leading cotton hose	29,750
3-inch hose for dump fires at East Boston	100
3½-inch leading cotton hose	6,071
3-inch flexible suction	825
3½-inch deluge hose	625
4½-inch hard rubber suction	1,218
¾-inch chemical hose	22,400
1-inch deck hose	950
⅝-inch Foamite hose	900
3-inch metallic suction	16½
Total	<u>178,155½</u>

<i>Hose in Stock.</i>		Feet.
<i>At the Maintenance Division:</i>		
2½-inch leading cotton hose		3,300
3-inch leading cotton hose		1,600
3½-inch leading cotton hose		1,000
3-inch flexible suction		50
3½-inch deluge hose		63
4½-inch hard rubber suction		75
¾-inch chemical hose		1,050
<i>At Engines 5 and 26:</i>		
2½-inch leading cotton hose		2,000
3-inch leading cotton hose		2,000
Total		<u>11,138</u>

The new hose was put through the usual stringent tests and chemical analysis of hose was obtained to insure said hose complying with the specifications.

GASOLENE STATIONS.

DIVISION No. 1.

DISTRICTS.	Locations.	Capacity. (Gallons.)	Pump.
1.....	Engine 5.....	280	1 gallon.
1.....	Engine 11.....	500	1 gallon.
1.....	Engine 40.....	550	1 gallon.
1.....	Ladder 2.....	550	1 gallon.
1.....	Ladder 31.....	550	1 gallon.
2.....	Engine 27.....	550	1 gallon.
2.....	Engine 32.....	550	1 gallon.
2.....	Engine 36.....	280	1 gallon.
2.....	Engine 50.....	280	1 gallon.
2.....	Ladder 9.....	220	1 gallon.
3.....	Ladder 8.....	120	1 gallon.
3.....	Ladder 18.....	280	1 gallon.
3.....	Engine 38-39.....	280	1 gallon.
4.....	Engine 4 (new quarters being erected)....		
4.....	Engine 6.....	280	1 gallon.
4.....	Engine 8.....	280	1 gallon.
4.....	Engine 31.....	2,000	1 gallon.
4.....	Ladder 1.....	280	1 gallon.
4.....	Ladder 24.....	550	1 gallon.
5.....	Engine 7.....	550	1 gallon.
5.....	Engine 10.....	220	1 quart.
5.....	Engine 26.....	1,000	5 gallons.
5.....	Ladder 17.....	550	1 gallon.

DIVISION No. 2.

DISTRICTS.	Locations.	Capacity. (Gallons.)	Pump.
6.....	Engine 1.....	280	1 gallon.
6.....	Engine 2.....	280	1 gallon.
6.....	Engine 15.....	280	1 gallon.
6.....	Engine 43.....	280	1 gallon.
6.....	Ladder 19.....	550	1 gallon.
7.....	Engine 3.....	280	1 gallon.
7.....	Engine 22.....	550	1 gallon.
7.....	Engine 33.....	280	1 gallon.
7.....	Maintenance Division, repair shop.....	550	1 gallon.
7.....	Department garage.....	280	5 gallons.
7.....	Fire alarm shop.....	280	1 gallon.
8.....	Engine 13.....	550	1 gallon.
8.....	Engine 14.....	550	1 gallon.
8.....	Engine 37.....	120	1 gallon.
8.....	Ladder 12.....	280	1 gallon.
11.....	Engine 29.....	1,000	5 gallons.
11.....	Engine 34.....	280	1 gallon.
11.....	Engine 41.....	280	5 gallons.
11.....	Engine 51.....	280	1 gallon.

DIVISION NO. 3.

DISTRICTS.	Locations.	Capacity. (Gallons.)	Pump.
9.....	Engine 12.....	550	1 gallon.
9.....	Engine 23.....	280	1 gallon.
9.....	Engine 24.....	550	1 gallon.
9.....	Ladder 4.....	550	5 gallons.
9.....	Ladder 23.....	220	1 gallon.
10.....	Engine 17.....	550	5 gallons.
10.....	Engine 18.....	280	1 gallon.
10.....	Engine 21.....	550	1 gallon.
12.....	Engine 28.....	280	5 gallons.
12.....	Engine 42.....	550	1 gallon.
12.....	Engine 53.....	550	5 gallons.
13.....	Engine 30.....	280	5 gallons.
13.....	Engine 45.....	550	1 gallon.
14.....	Ladder 6.....	280	1 gallon.
14.....	Engine 20.....	280	1 gallon.
14.....	Engine 46.....	220	1 gallon.
14.....	Engine 52.....	220	1 gallon.
15.....	Engine 19.....	280	1 gallon.
15.....	Engine 48.....	280	1 gallon.
15.....	Engine 49.....	280	1 gallon.

CANNEL COAL STATIONS.

DIVISION No. 1.

DISTRICTS.	Locations.	Amount at Present. (Tons.)
1.....	Engine 11.....	10
4.....	Ladder 24.....	12

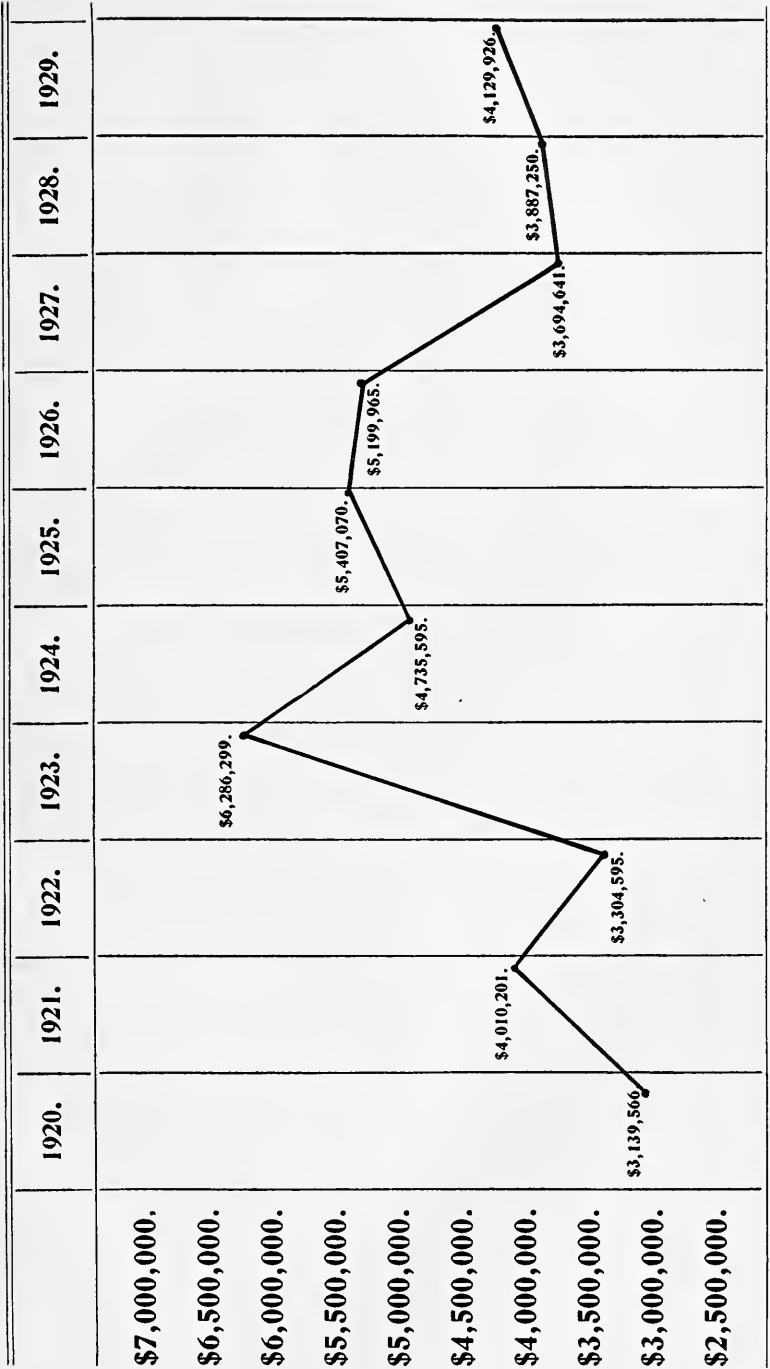
DIVISION No. 2.

DISTRICTS.	Locations.	Amount at Present. (Tons.)
6.....	Engine 2.....	15
6.....	Fourth street (Old Ladder 5).....	20
7.....	Engine 33.....	8
8.....	Engine 13.....	15
8.....	Engine 14.....	1
8.....	Engine 37.....	2½
11.....	Engine 29.....	5
11.....	Engine 34.....	3½

DIVISION No. 3.

DISTRICTS.	Locations.	Amount at Present. (Tons.)
9.....	Engine 12.....	2
9.....	Engine 23.....	3
9.....	Engine 24.....	7
10.....	Engine 21.....	3
13.....	Engine 30.....	2
13.....	Engine 45.....	5
14.....	Engine 16.....	¼
14.....	Engine 46.....	1½
15.....	Engine 48.....	3

GRAPHIC CHART OF FIRE LOSS FOR PAST TEN YEARS.



ALARMS, FIRE LOSSES AND INSURANCE.

MONTHS.	ALARMS RECEIVED.						Loss.		INSURANCE.		ALARMS.				Not in Buildings.	Extended to Others.	Out of City.	Damage None.	Damage Slight.	Damage Considerable.	Totally Destroyed.			
	FROM WHOM.						Buildings.	Contents.	Buildings.	Contents.	BELL.		ST. LL.											
	Members.	Police.	Citizens.	Telephone.	Automatic.	Unknown.					Total.	Fire.	False.	Needs.								Fire.	Needs.	
January.....	38	5	429	247	15	62	796	\$203,676	\$209,242	\$13,259,597	\$4,005,269	331	58	23	308	68	420	7	207	5	190	213	24	
February.....	13	10	262	177	13	49	524	186,300	163,993	7,514,771	1,790,898	187	44	23	193	72	275	4	98	3	100	158	21	
March.....	22	11	404	252	10	68	767	303,682	285,894	9,091,585	2,036,227	298	68	20	324	51	304	10	302	6	207	71	36	
April.....	7	8	340	211	8	76	650	133,214	120,354	4,541,684	2,500,455	229	76	31	259	51	238	6	240	4	100	123	21	
May.....	11	21	336	179	6	52	605	102,748	120,340	6,727,053	5,004,656	259	52	17	211	61	240	5	221	4	72	154	19	
June.....	21	13	419	210	7	68	738	169,294	84,509	4,922,474	3,708,371	277	68	23	322	44	243	4	349	3	65	166	15	
July.....	13	11	543	296	6	76	945	248,457	175,836	9,896,206	4,038,255	386	76	29	392	58	321	7	439	11	104	197	27	
August.....	7	13	412	198	9	100	739	92,885	76,072	3,532,284	1,546,802	302	100	25	269	36	238	4	326	3	65	153	24	
September....	10	9	373	188	9	77	666	188,717	88,138	7,585,790	3,147,896	284	77	29	214	55	244	6	241	7	63	157	30	
October.....	10	10	431	232	8	95	786	207,609	125,248	9,534,557	4,758,734	295	95	32	315	44	267	9	331	3	93	151	31	
November....	7	11	352	194	9	52	625	254,813	137,115	7,857,560	1,859,107	244	53	27	251	43	290	7	192	6	97	162	36	
December....	10	21	360	171	10	39	611	239,002	212,756	6,589,963	6,545,828	260	39	36	211	60	328	14	122	7	135	167	39	
Totals....	169	143	4,661	2,555	110	814	8,452	\$2,330,427	\$1,799,499	\$91,065,524	\$40,942,498	3,352	806	315	3,269	643	3,408	83	3,068	62	1,291	1,872	323	5

CAUSES OF FIRES AND ALARMS, FROM JANUARY 1, 1929,
TO JANUARY 1, 1930.

Alarms, false, needless, bell and still.....	1,764	Grease in ventilator, oven,	49
Alarms, out of city.....	62	Hot ashes in barrel.....	94
Automatic alarms, false and accidental.....	67	Incendiary and supposed, Lamp upsetting and explo- sion.....	95
Automobiles.....	713	Miscellaneous.....	9
Brush, rubbish, etc.....	1,858	Oil burners.....	473
Careless use lamp, candle, Careless use matches, set by rats.....	48	Oil stove, careless use and explosion.....	72
Careless use pipe, cigar, cigarette.....	451	Overheated furnace, stove, boiler.....	27
Chimneys, soot burning... Clothes near stove.....	909	Set by boys.....	155
Defective chimney, stove pipe, boiler.....	460	Sparks from chimney, stove.....	189
Electric wires, motors... Fireworks, firecrackers...	6	Sparks from locomotive, engine.....	138
Gas jet, gas stove.....	80	Spontaneous combustion, Thawing water pipes....	36
Gasolene, benzine, naph- tha.....	280	Unknown.....	178
	106		21
	39		74
	9	Total.....	<u>8,452</u>

1929.	FIRE EXTINGUISHED BY						
	Extinguishers.	Buckets of Water.	Chemicals.	Hydrant Streams.	Steamers.	Miscellaneous.	Citizens.
January.....	126	25	157	63	58	160	45
February.....	94	19	102	37	33	68	24
March.....	135	45	101	101	73	123	38
April.....	102	31	104	63	37	106	41
May.....	109	25	110	78	35	68	41
June.....	109	47	154	148	44	52	42
July.....	148	76	171	200	56	70	46
August.....	139	38	133	122	43	53	40
September.....	95	21	116	110	45	63	41
October.....	152	48	110	109	54	93	41
November.....	98	27	128	62	40	88	46
December.....	112	28	131	27	46	68	52
Totals.....	1,419	430	1,517	1,120	564	1,012	497

FIRES WHERE LOSSES EXCEEDED \$15,000.

DATE.	Location and Owner.	Loss.
1929.		
Jan. 1.....	1783-1789 Washington street, Worthy Lunch Company <i>et al.</i>	\$25,237
Jan. 7.....	183 Walnut avenue, Jennie Cantor <i>et al.</i>	20,456
Jan. 10.....	60 Massachusetts avenue, National Casket Company....	55,827
Jan. 16.....	1 and 3 Elbow street, Bay State Casket Company <i>et al.</i> ...	25,430
Jan. 31.....	18 Moreland street, Carlson Lumber Company.....	44,275
Feb. 2.....	113 Commonwealth avenue, Mrs. H. Frothingham <i>et al.</i> ..	88,463
Feb. 2.....	6-10 Beach street, J. Rogers & Co. <i>et al.</i>	16,153
Feb. 7.....	15 and 17 Crawford street, G. Stern <i>et al.</i>	17,264
March 7.....	300 North Beacon street, Galassi Mosaic & Tile Company,	38,457
March 12.....	37 and 39 Pearl street, Mrs. C. Hill <i>et al.</i>	27,966
March 13.....	229 and 231 State street, H. A. Johnson Company <i>et al.</i> ...	209,794
April 8.....	110-120 Gerard street, Foss & Co., Inc.....	30,275
April 9.....	353 Charles street, L. Stern <i>et al.</i>	17,954
April 30.....	284 and 286 Dorchester street, Isaac McLean Sons Com- pany.	24,021
May 2.....	484 Blue Hill avenue, N. Gadless <i>et al.</i>	21,081
May 17.....	17-20 Lewis Wharf, J. Breck & Sons <i>et al.</i>	40,944
May 19.....	201-207 Hanover street, Savoy Clothing Company <i>et al.</i> ..	22,433
June 7.....	Boston Harbor, U. S. Lighthouse Service.....	25,000
June 10.....	Maverick street, Skyways, Inc., <i>et al.</i>	16,786
June 12.....	144 Sutherland road, L. Ellenbagen <i>et al.</i>	15,013
June 21.....	576-588 Albany street, City Fuel Company <i>et al.</i>	62,352
July 5.....	1973-1979 Dorchester avenue, Mrs. A. Bibinsky <i>et al.</i>	16,439
July 8.....	854 and 856 Washington street, J. Gorakian & Son <i>et al.</i> ..	21,906
July 10.....	39-45 Sudbury street, Singer & Co. <i>et al.</i>	19,548
July 15.....	Deer Island, Boston Harbor, City of Boston.....	80,000
July 16.....	24 and 26 Canal street, William Leavens & Co., Inc., <i>et al.</i>	80,287
July 28.....	286 Rutherford avenue, North Shore Fibre Company <i>et al.</i>	50,118
Aug. 10.....	89-99 Chauncy street, S. Jacobs & Co. <i>et al.</i>	21,357
Sept. 27.....	401 Hanover street, St. Stephen's Church (Catholic)....	60,905
Sept. 28.....	130-136 Federal street, Harvard College <i>et al.</i>	15,261
Sept. 29.....	92 Essex street, Ferris & Robinson <i>et al.</i>	17,099
Oct. 8.....	84 and 86 Fulton street, G. Zuffante Company <i>et al.</i>	31,974
Oct. 17.....	47 and 49 Granite street, American Sugar Refining Com- pany.	28,723

Fire Losses.—Concluded.

DATE.	Location and Owner.	Loss.
1929.		
Oct. 20.....	Brighton avenue and Cambridge street, Brighton Avenue Baptist Church.	\$26,465
Oct. 28.....	1162-1168 Washington street, H. Poorvu.....	56,480
Nov. 18.....	132-140 Beach street, Keegan Leather Company <i>et al.</i> ...	16,911
Nov. 26.....	159-165 Massachusetts avenue, Taubman Stores Corporation <i>et al.</i>	15,982
Nov. 28.....	292 and 294 Devonshire street, Bay State Florist Supply Company <i>et al.</i>	18,120
Nov. 30.....	120 Walnut avenue, Walnut Avenue Congregational Church.	132,175
Dec. 10.....	26 and 28 Winter street, Shepard Norwell Company <i>et al.</i>	18,577
Dec. 10.....	26 Ericsson street, George Lawley & Son Corporation...	97,606
Dec. 20.....	468 Boylston street, Solov-Hinds Company <i>et al.</i>	24,021
Dec. 26.....	76 and 78 High street, Silverite, Gutterman Company <i>et al.</i>	85,537

STATISTICS.

Population, January 1, 1930 (estimated)	. . . . .	805,400
Area, square miles	. . . . .	47.81
Number brick, etc., buildings	. . . . .	42,190
Number wooden buildings	. . . . .	91,314
Fires in brick, etc., buildings	. . . . . 2,035	
Fires in wooden buildings	. . . . . 1,456	
Fires out of city	. . . . . 62	
Not in buildings, false and needless	. . . . . 4,899	

Total alarms 8,452

FIRE LOSS FOR THE YEAR ENDING DECEMBER 31, 1929.

Buildings, loss insured	. . . . .	\$2,151,116
Contents, loss insured	. . . . .	1,644,613

Total loss insured \$3,795,729

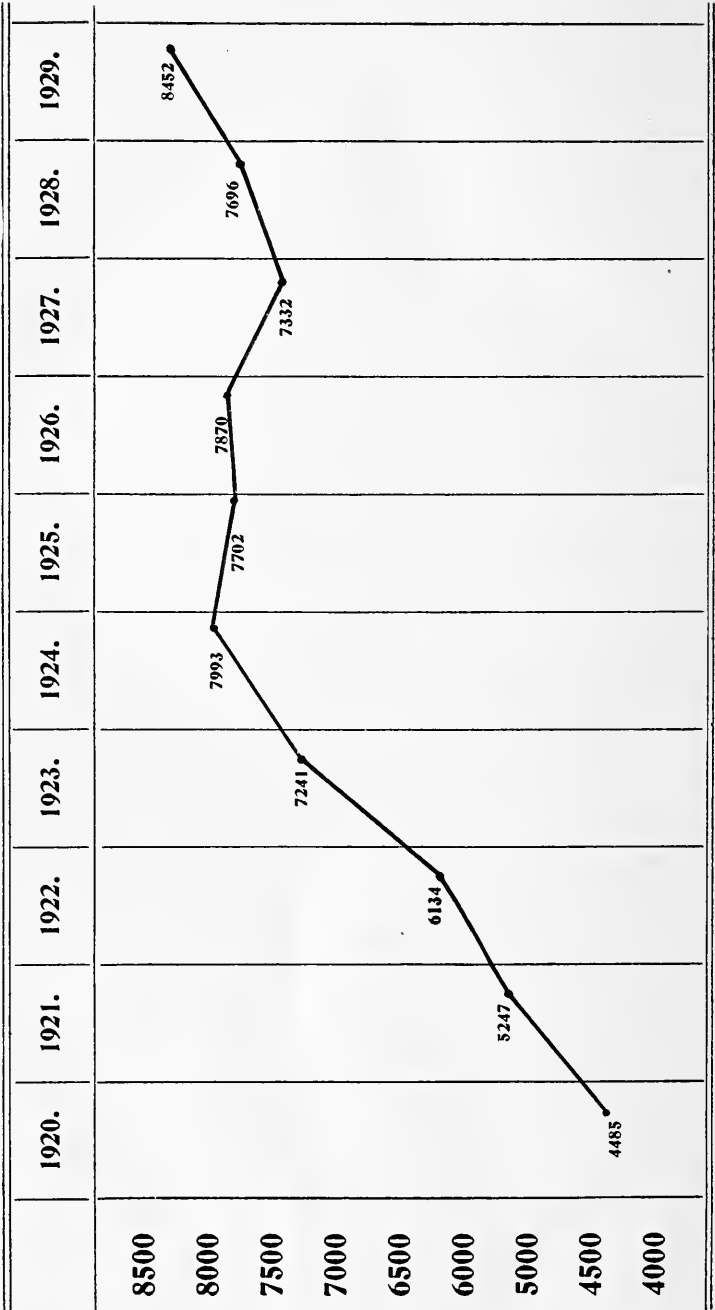
Buildings, loss not insured	. . . . . \$179,311
Contents, loss not insured	. . . . . 154,886

Total loss not insured 334,197

Total loss, buildings and contents, insured and not insured \$4,129,926

Marine loss \$48,716

GRAPHIC CHART OF ALARMS FOR PAST TEN YEARS.



YEARLY LOSS FOR THE LAST FIFTEEN YEARS.

Marine Loss not Included.

Year ending January 1, 1916	.	.	.	\$3,004,600
" " " 1, 1917	.	.	.	2,372,480
" " " 1, 1918	.	.	.	3,981,227
" " " 1, 1919	.	.	.	2,822,109
" " " 1, 1920	.	.	.	2,577,584
" " " 1, 1921	.	.	.	3,139,566
" " " 1, 1922	.	.	.	4,010,201
" " " 1, 1923	.	.	.	3,304,595
" " " 1, 1924	.	.	.	6,286,299
" " " 1, 1925	.	.	.	4,735,595
" " " 1, 1926	.	.	.	5,407,070
" " " 1, 1927	.	.	.	5,199,965
" " " 1, 1928	.	.	.	3,694,642
" " " 1, 1929	.	.	.	3,887,250
" " " 1, 1930	.	.	.	4,129,926

ALARMS FOR THE PAST TEN YEARS.

YEAR.	Bell.	Still and Automatic.	Totals.
1929.....	4,473	3,979	8,452
1928.....	3,867	3,829	7,696
1927.....	3,492	3,840	7,332
1926.....	3,762	4,108	7,870
1925.....	3,798	3,904	7,702
1924.....	3,640	4,353	7,993
1923.....	3,239	4,002	7,241
1922.....	2,733	3,401	6,134
1921.....	2,359	2,888	5,247
1920.....	2,029	2,456	4,485

Each fire is treated as having only one alarm.

JOHN E. FITZGERALD MEDAL.

John J. Leary, for 1922.
 Daniel J. O'Brien, for 1923.
 Thomas F. Kilduff, for 1924.
 Dennis M. Condon, for 1927.
 Joseph P. Hanton, for 1929.

WALTER SCOTT MEDAL.

Dennis M. Condon, for 1922.
 James H. Curran, for 1923.
 Edward J. Crowley, for 1924.
 Gilbert W. Jones, for 1927.
 John J. Boyle, for 1929.

ROLL OF MERIT.

Carl V. Anderson.
 Carl S. Bowers.
 James J. Buchanan.
 William O. Cheswell.
 Dennis M. Condon.
 Walter P. Corbett.
 Michael J. Dacy.
 James E. Downey.
 Thomas H. Downey.
 Dennis Driscoll.
 Joseph P. Hanton.
 Timothy J. Heffron.

Gilbert W. Jones.
 Henry J. Kelly.
 Martin A. Kenealy.
 John J. Kennedy.
 Frederick F. Leary.
 John J. Martin.
 Edward McDonough.
 James F. McMahon.
 Thomas J. Muldoon.
 Edward J. Murphy.
 Arthur A. Ryan.
 Michael J. Teehan.

MEMBERS PENSIONED FROM JANUARY 1, 1929, TO
DECEMBER 31, 1929.

Michael J. McNamara.
 Mary G. Callahan.
 Samuel A. Dwight.
 Victor H. Richer.
 Daniel J. Murphy.
 Annie B. Flynn.
 David M. Cleary.*
 Jeremiah J. Scanlan.*
 Emma A. Weiss.
 Edward W. Fottler.
 John N. Lally.
 Frederick F. Logan.
 Frank J. Sheeran.
 Dennis Driscoll.
 Richard F. McLaughlin.
 Dennis J. Noonan.
 John H. Laughlin.
 Patrick J. Cray.
 Daniel J. Murray.

Leo T. Griffin.
 Ethel B. Flynn.
 John B. Hennessy.
 Patrick F. McGough.
 Charles A. Thompson.
 Gertrude M. Fernald.
 Mary V. Cremin.
 John J. Burke.
 Henry D. Marsh.
 Walter Davey.
 Arthur L. Johnson.
 James Friel.*
 Daniel M. Shaughnessy.
 Ernest O. Haines.
 Patrick H. Kenney.
 Carl F. Bode.
 Daniel J. Gearin.
 George F. Doyle.
 Arthur C. Carnes.

* Boston Retirement Fund.

DEATHS OF MEMBERS FROM JANUARY 1, 1929, TO
DECEMBER 31, 1929.

John J. Shea.
 John P. Cremin.
 Clarence E. Weiss.
 Stephen J. Murphy.
 Michael E. Fallon.
 Frederick W. Godbold.

John J. Cremin.
 Joseph O. Allen.
 Florence J. Sullivan.
 William H. Harkins.
 William E. Emmel.

DEATHS OF PENSIONERS FROM JANUARY 1, 1929, TO
DECEMBER 31, 1929.

John D. Scannell.
 Charles J. McCarthy.
 Thomas Finneran.
 Joseph L. Bannon.
 Thomas J. Flynn.
 John McCann.

James J. Hughes.
 Millie B. Cheswell.
 Edward A. Burbank.
 Willard R. Pulsifer.
 John N. Lally.

JAN 11 1927

