

ANNUAL REPORT  
OF THE  
CITY AUDITOR  
OF THE  
RECEIPTS AND EXPENDITURES

OF THE  
CITY OF BOSTON AND THE COUNTY OF SUFFOLK,  
" STATE OF MASSACHUSETTS,

FOR THE FINANCIAL YEAR

1885-86.

(No. 74 OF THE SERIES.)

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MAY 1. 1885, TO APRIL 30, 1886.  
(BOTH INCLUDED.)

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CITY DOCUMENT NO. 124.

BOSTON:  
ROCKWELL AND CHURCHILL, CITY PRINTERS,  
NO. 39 ARCH STREET.  
1886.

## FIRE DEPARTMENT.

*The following property is in the charge of the Board of Commissioners of the Fire Department: —*

### ENGINE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Dorchester street . . . . .	5,698	Addition built, 1874. Municipal Court, South Boston, two classes Bigelow School, and Ward-room 15 in this building.
2 . . .	East Fourth street, cor. of O .	4,000	
3 . . .	Bristol st. and Harrison ave.	4,000	
4 . . .	Bulfinch street . . . . .	6,098	
5 . . .	Marion street, E.B. . . . .	1,647	H. & L. No. 3 in this building. Chemical Engine No. 1, Water Tower, and Lancers' Armory, in this building.
6 . . .	Wall street . . . . .	1,372	
7 . . .	East street . . . . .	1,893	
8 . . .	Salem street . . . . .	2,568	
9 . . .	Paris street, E.B. . . . .	4,000	Remodelled, 1870. Hook & Ladder No. 2 in this building. Formerly occupied by H. & L. Co. 4. Remodelled, 1870.
10 . . .	River street . . . . .	1,886	
11 . . .	Sumner street, E.B. . . . .	4,010	
12 . . .	Dudley street . . . . .	7,627	
13 . . .	Cabot street . . . . .	4,832	Hook & Lad'r No. 6 in this building. On lot with Mather School-house. Old Engine-house on this lot.
14 . . .	Centre street . . . . .	5,713	
15 . . .	Dorchester avenue . . . . .	2,843	
16 . . .	River st., Dorchester Dist. .	12,736	
17 . . .	Meeting-house Hill " . . . . .	10,225	H. & L. No. 8, H. & L. No. 14, and Hose and Harness shop in this building.
18 . . .	Harvard street " . . . . .	7,683	
19 . . .	Norfolk street " . . . . .	9,000	
20 . . .	Walnut street " . . . . .	9,355	
21 . . .	Boston street " . . . . .	4,463	Armory in this building. H. & L. No. 10 in this building.
22 . . .	Dartmouth street . . . . .	3,445	
23 . . .	Northampton street . . . . .	4,186	
24 . . .	Cor. Warren and Quincy sts.	4,175	
25 . . .	Fort Hill square . . . . .	5,623	H. & L. No. 11 in this building.
26 . . .	Mason street . . . . .	2,600	
27 . . .	Elm st., Charlestown Dist. .	10,377	
28 . . .	Centre st., W. Roxbury Dist.	14,358	
29 . . .	Chestnut-hill ave., Brighton Dist. . . . .	16,275	
30 . . .	Mt. Vernon street, West Roxbury Dist. . . . .	8,188	
32 . . .	Bunker Hill st., Charlestown.		

### CHEMICAL ENGINE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 2 . . .	Church street . . . . .	3,412	Ward-room 11 in this building.
3 . . .	Cor. Longwood and Brookline avenues . . . . .	5,400	
4 . . .	Poplar st., cor. Washington West Roxbury . . . . .	14,729	
5 . . .	Washington st., between Atherton and Beethoven .	3,848	
6 . . .	Harvard ave., Brighton . . .	6,112	

## HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3 . . .	Winthrop st. . . . .	5,230	Charlestown.
4 . . .	Corner Bunker Hill and Tufts sts. . . . .	830	
5 . . .	Shawmut ave. . . . .	889	H. & L. No. 12 in this building.
6 . . .	Chelsea st. . . . .	1,346	
7 . . .	Tremont st. . . . .	4,350	
8 . . .	North Grove st. . . . .	3,918	
9 . . .	B st. . . . .	1,804	
10 . . .	Dorchester st., Washington Village . . . . .	1,610	
12 . . .	East Fourth st. . . . .	3,101	

## HOOK AND LADDER-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Friend st. . . . .	1,676	On lot with Mather School-house. Hose No. 1 in this building.
4 . . .	Cor. Winalow and Dudley sts.	3,923	
5 . . .	West Fourth st. . . . .	2,469	
7 . . .	Meeting-house Hill . . . . .	2,469	
9 . . .	Main st. Charlestown . . . .	4,290	
13 . . .	Washington st., near Dover .	1,007	

## MISCELLANEOUS.

	Location.	No. of feet in lot.	Remarks.
Repair-shop . . . . .	Albany st. . . . .	20,547	Unoccupied. Charlestown. Lock-up in this building.
Stable and Storehouse .	Bristol st. . . . .		
Fuel-house . . . . .	Salem st. . . . .	417	
H. & L. house . . . . .	Eustis st. . . . .	1,754	
Fuel-house . . . . .	Main st. . . . .	2,430	
Engine-house . . . . .	Centre st. . . . .	1,628	

**STEAM FIRE-ENGINES.** — Thirty-one in service, located as follows: nine in city proper; three in East Boston; three in South Boston; five in Roxbury District; six in Dorchester District; and two each in Charlestown and West Roxbury Districts; and one in Brighton District.

**FIRE-BOAT.** — One; located India Wharf.

**HORSE HOSE-CARRIAGES.** — Thirty-six, located as follows, viz.: twelve in city proper; three in East Boston; five in South Boston; five in Roxbury District; three in Dorchester District; five in Charlestown District; two in West Roxbury District; and one in Brighton District; seventeen of which are located in engine-houses.

**HOOK AND LADDER CARRIAGES.** — Fourteen in service, located as follows, viz.: five in city proper; one in East Boston; two in Roxbury District; one in South Boston; two in Dorchester District; and one each in Charlestown, West Roxbury, and Brighton Districts; and Aerial Ladder in the city proper.

**CHEMICAL ENGINES.** — Six in service, self-acting, located as follows: two in the city proper; one in Roxbury District; two in West Roxbury District; and one in Brighton District.

**WATER TOWER.** — Located in the city proper.

**PORTABLE EXTINGUISHERS.** — Carried on four of the Hook and Ladder Carriages.

**HORSES.** — One hundred and seventy.

**FUEL-WAGONS.** — Twenty-one, each capable of conveying about two tons, to be used in case of large fires, when more fuel is needed than is carried on the engines.

**WAGONS.** — Nine engineers' four supply (two in service and two in reserve), two commissioners' buggies.

**PUMPS.** — Forty; thirty-six for carrying hose, and two for jobbing, and two for Fire-alarm branch. Engineers' sleighs, five.

**FIRE-LADDERS.** — Two hundred and eighty-two of different sizes; one aerial ladder, and nine patent Bangor ladders.

**HOSE.** — About 70,000 feet of leading, and 1,000 feet suction.

**SPARE APPARATUS.** — Seven Steam Fire-Engines, known as Relief A, B, C, D, E, F, and G, and one small Hose Jumper at Deer Island, and 700 feet of rubber and cotton hose; also one Hose-Carriage in Engine-house No. 25, with 650 feet of 2½-inch hose, and one at Apparatus Repair-shop, with 300 feet hose; one in building owned by O. Nawn, on Nawn street, with 400 feet of 2½-inch hose; also one Hand Engine at the house of Hose 7, Tremont street. Four Hose-Carriages, known as Relief A, B, C, and D. One Hook and Ladder Carriage, Relief A. Two Chemical Engines.

**RESERVOIRS.** — Two hundred and thirty-eight, of which thirteen are located at East Boston; eighteen at South Boston; forty-one in Roxbury District; eleven in the Dorchester District; thirty-eight in Charlestown District; nineteen in West Roxbury District; three in Brighton District, and the balance in the different wards of the city proper. They contain from 15,000 to 55,000 gallons each, and are supplied with Cochituate and Mystic water, except in West Roxbury and Brighton Districts.

**REPAIR-SHOP.** — In the repair-shop, one 15 horse-power steam-engine, cylinder, 9 by 31 inches, Putnam Machine Co.; one 20 horse-power upright tubular boiler; one 26-inch by 26 inch iron planer, 8-ft. table, 12-ft. bed; one 24-inch swing engine lathe, 10-ft. bed; one 16-inch swing engine lathe, 9½-ft. bed; two 14-inch swing engine lathes, 6-ft. bed; one 13-inch swing hand lathe, 7½-ft. bed; one 13-inch swing hand lathe, 9-ft. bed; one No. 2 upright drill; one Sturtevant Pressure Blower; three blacksmith's forges; one furnace for heating tires; together with numerous smaller tools and appliances, and also tools for repairing hose and harness.

**THE ENGINES, HOSE, HATS, AXES, LADDERS,** and all the other apparatus used by the Fire Department, are owned by the city.

**HYDRANTS.** — For supplying water in cases of fire, 4,900, viz.: in the city proper, 1,369; in South Boston, 531; in East Boston, 328; in Roxbury District, 850; in Dorchester District, 834; in West Roxbury District, 441; in Brighton District, 280; in Charlestown District, 251; and 16 on Deer Island. The hydrants are located at an average distance of 250 feet from each other.

#### TELEGRAPHIC FIRE-ALARM.

Magnetic Fire-alarm Apparatus, the whole cost of which is about \$100,000. Working Lines of Wire, about 350 miles; Signal Boxes in use, 354; Striking Machines, 48; Gongs, 100; Box gongs, 39; Tappers, 32; Vibrators, 4; Clocks; one electric watch-clock; two repeating three dial clocks for striking signals; one Magneto-Electric Machine; Relays, 65; Eighteen-Pen Registers 2; Office Bells in use, 5; Telegraph Keys in use, 36; Telephones in use, 60; 1 switch-board; 37 Galvanometers; 2 portable rheotropes; 1 chronometer; 1 set telegraphic apparatus in Superintendent's house; 7 sets telegraphic apparatus in assistants' houses; 1 repeating instrument from West Roxbury,

and one from Charlestown, not in use; 1,350 battery-cups in use at Central office; 50 cups dry battery in house of Engine No. 15; 60 do. in house of Engine No. 25; 80 do. in house of Engine No. 9; 50 do. in house of Engine No. 10; 50 do. in house of Engine No. 14; 50 do. in house of Engine No. 23; 70 spare battery cups; 2,780 lbs. sulphate of copper; 200 lbs. zinc; 420 battery-coppers; brackets, wire, insulators, etc., office furniture, bedsteads, bedding, and sundry other articles; Brighton Abattoir whistle machine.

## B E L L S

*Owned by the City and used in connection with the Fire-alarm Telegraph.*

Location.	Material.	W'g't in Lbs.
<i>City Proper.</i>		
Boylston School-house, Washington Street, near Dover Street,	Composition.	818
Castle-street Church, Washington Street, cor. Motte Street.	"	1,760
Dean School-house, Wall Street . . . . .	"	712
Everett School-house, Northampton Street . . . . .	"	1,501
Faneuil Hall . . . . .	Steel.	5,816
Hancock School-house, Parmenter Street . . . . .	Composition.	4,090
Old South Meeting-house Washington Street, cor. Milk Street,	"	1,200
Phillips School-house, Anderson Street, cor. Pinckney Street,	"	900
Quincy School-house, Tyler Street . . . . .	"	2,941
Rice School-house, Appleton Street . . . . .	"	3,042
Wells School-house, Blossom Street . . . . .	"	1,675
<i>Charlestown.</i>		
Bunker-Hill School-house . . . . .	Composition.	2,009
City Hall . . . . .	"	3,600
Rubber Factory . . . . .	"	999
Warren School-house . . . . .	"	3,000
Winthrop (old) School-house . . . . .	"	3,000
<i>East Boston.</i>		
Adams School-house, Webster Street . . . . .	Steel.	2,995
Chapman School-house, Eutaw Street . . . . .	"	3,109
Engine-house No. 11, Orleans Street . . . . .	Composition.	817
Princeton-street School-house . . . . .	"	2,470
Saratoga-street M.E. Church . . . . .	Steel.	1,968
<i>South Boston.</i>		
Engine-house No. 1, Dorchester Street . . . . .	Composition.	2,911
Engine-house No. 2, Fourth Street . . . . .	"	800
Lawrence School-house, B Street . . . . .	Steel.	3,400
Lincoln School-house, Broadway . . . . .	Composition.	3,110
Ticknor School-house, Dorchester Street . . . . .	Steel.	2,995
<i>Dorchester.</i>		
Engine-house No. 16, Temple Street . . . . .	Composition.	4,149
Engine-house No. 17, Meeting-house Hill . . . . .	"	4,000
Engine-house No. 18, Harvard Street . . . . .	"	3,184
Engine-house No. 19, Mattapan . . . . .	"	2,927
Engine-house No. 20, Walnut Street . . . . .	"	3,061
Engine-house No. 21, Boston Street . . . . .	"	3,026
<i>Roxbury.</i>		
Franklin-place School-house . . . . .	Composition.	2,958
George-street School-house . . . . .	"	4,160
Hook and Ladder House No. 4, Dudley Street . . . . .	"	3,509
Lewis School-house . . . . .	"	3,104
Smith-street School-house . . . . .	"	4,083
<i>West Roxbury.</i>		
Chemical Engine-house No. 4, Roslindale . . . . .	Composition.	400
Chemical Engine-house No. 5, Egleston Square . . . . .	"	400
Engine-house No. 28, Centre Street . . . . .	"	4,000
Engine-house No. 30, Mt. Vernon Street . . . . .	Steel.	1,000
<i>Brighton.</i>		
Chemical Engine-house No. 6, Harvard Street . . . . .	Composition.	400
Engine-house No. 29, Chestnut-hill Avenue . . . . .	Steel.	1,535

## PUBLIC CLOCKS.

*City Proper.* — Christ Church, Salem street; Odd Fellows' Hall, Tremont street; Old South Church; Suffolk County Jail; State-street Clock; St. Stephen's Church, Clark street; Tremont M.E. Church; Young Men's Christian Union.

*South Boston.* — Bigelow School-house; Gaston School-house; Lincoln School-house; Phillips Church; St. Augustine Church; Ticknor School-house.

*East Boston.* — London-street Church; Lyceum Hall.

*Boston Highlands.* — Winthrop-street Church; Metropolitan Stables, Tremont street.

*Dorchester.* — Tileston School.

*Charlestown.* — City Hall; High School-house.

*Brighton.* — Bennett School-house.

## BOSTON FIREMEN'S RELIEF FUND.

By Chapter 107 of the Acts of 1880, the Mayor of the City of Boston for the time being (and his successors in office), the Board of Fire Commissioners of the City of Boston, for the time being (and their successors in office), were constituted a body corporate for the purposes of receiving and holding all sums of money, and real and personal estate, not exceeding in the aggregate two hundred thousand dollars, which may be given, granted, bequeathed, or devised to it for the benefit of members of the Boston Fire Department or their families requiring assistance, or for the benefit of any persons, or the families of any persons, who have been such members, requiring assistance. The property so held shall be known as the Boston Firemen's Relief Fund. The said body corporate shall have authority to manage and dispose of the same and the income thereof, according to their best discretion, subject to the provisions of any and all trusts which may be created for the purposes aforesaid.

In accordance with the provisions of the foregoing act the following-named persons, viz.: His Honor the Mayor, Hugh O'Brien, Fire Commissioners Henry W. Longley, John E. Fitzgerald, and William A. Green, now constitute the Board of Trustees. Hugh O'Brien, Mayor, President; Frederick W. Smith, Jr., Clerk.

The following was the condition of the fund May 1, 1886: —

Six certificates of City of Boston Four per Cent. Stock . . .	\$48,000 00
One certificate " " Five " " . . .	8,000 00
Cash on hand . . . . .	6,094 38
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	\$62,094 38