

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

1883-84.

(No. 72 OF THE SERIES.)

MAY 1, 1883, TO APRIL 30, 1884.
(BOTH INCLUDED.)

CITY DOCUMENT NO. 79.

BOSTON:
ROCKWELL AND CHURCHILL, CITY PRINTERS,
NO. 39 ARCH STREET.
1884.

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, and two classes Bigelow School, in this building.
2 . . .	Fourth street, cor. of O	4,000	
3 . . .	Bristol st. and Harrison ave.	4,000	H. & L. No. 3 in this building.
4 . . .	Bulfinch street	6,098	Chemical Engine No. 1, Water Tower, and Lancers' Armory, in this building.
5 . . .	Marion street, E.B.	1,647	
6 . . .	Wall street	1,372	
7 . . .	East street	1,893	
8 . . .	Salem street	2,568	
9 . . .	Paris street, E.B.	4,000	
10 . . .	River street	1,886	
11 . . .	Sumner street, E.B.	4,010	Remodelled, 1870. Hook & Ladder No. 2 in this building.
12 . . .	Dudley street	7,161	Formerly occupied by H. & L. Co. 4.
13 . . .	Cabot street	4,305	Remodelled, 1870.
14 . . .	Centre street	5,627	
15 . . .	Dorchester avenue	2,843	
16 . . .	River st., Dorchester Dist. .	12,736	Hook & Lad'r No. 6 in this building.
17 . . .	Meeting-House Hill "		Old Engine-house on this lot. See Mather School-house.
18 . . .	Harvard street "	10,225	
19 . . .	Norfolk street "	7,683	
20 . . .	Walnut street "	9,000	
21 . . .	Boston street "	9,355	
22 . . .	Dartmouth street	4,463	
23 . . .	Northampton street	3,445	
24 . . .	Cor. Warren and Quincy sts.	4,186	
25 . . .	Fort Hill square	4,175	H. & L. No. 8 in this building.
26 . . .	Mason street	6,385	
27 . . .	Elm st., Charlestown Dist. .	2,600	
28 . . .	Centre st., W. Roxbury Dist.	10,377	H. & L. No. 10 in this building.
29 . . .	Chestnut-Hill ave., Brighton Dist.	14,356	H. & L. No. 11 in this building.
30 . . .	Mt. Vernon street, West Roxbury Dist.	16,275	
31 . . .	Bunker-Hill st., Charlestown	8,000	Engine No. 32.
32 . . .	Poplar st., cor. Washington st., West Roxbury	14,729	Occupied by Chemical Engine No. 4.
	Washington street, between Atherton and Beethoven .	3,848	Occupied by Chemical Eng. No. 5.
	Harvard ave., near Cambridge st., Brighton Dist. .	6,112	Occupied by Chemical Eng. No. 6.

HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3 . . .	Winthrop street	5,230	Armory in building.
4 . . .	Bunker Hill street, cor. Tufts st., Charlestown Dist.	849	See Bunker Hill-st. School-house.
5 . . .	Shawmut avenue	1,346	
6 . . .	Chelsea street	4,350	H. & L. No. 12 in this building.
7 . . .	Tremont street	3,918	
8 . . .	North Grove street	1,304	
9 . . .	B street	1,610	
10 . . .	Washington Village	3,101	Remodelled, 1870.
12 . . .	Fourth street	5,400	Occupied by Chemical Eng. No. 3.
	Cor. Longwood and Brook- line avenues	3,412	Ward-room No. 11 in this building.
	Church street	1,592	Chem. Eng. No. 2 in this building.
	Main st., Charlestown Dist. .		Used as a coal depot.

HOOK AND LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Friend street	1,676	
4 . . .	Dudley street, cor. Winslow Eustis street	3,923	Formerly occupied by Engine 12.
5 . . .	Fourth street	760	
7 . . .	Meeting-House Hill	2,469	See Mather School-house.
9 . . .	Main street, Charlestown	2,430	Hose No. 1 in this building.
	Harrison avenue	3,755	Formerly occupied by H. & L. No. 3. Now used as a repairs shop.
13 . . .	Washington st., near Dover	1,007	

Fuel-House, Salem street, 417 feet of land.

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. — Thirteen in service, located as follows, viz.: four 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 sixty-two.

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

PUNGS. — 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. — Five Steam Fire-Engines, known as Relief A, B, C, D, and —, 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, Harrison avenue, 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.

RESERVOIRS. — Two hundred and forty-four, 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; twenty-two 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 the 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 blacksmiths' 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, 4,530, viz.: in the city proper, 1,312; in South Boston, 506; in East Boston, 301; in Roxbury District, 822; in Dorchester District, 744; in West Roxbury District, 355; in Brighton District, 231; in Charlestown District, 243; 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 260 miles; Signal Boxes in use, 330; Striking Machines, 52; Gongs, 101; Tappers, 49; Vibrators, 19; Clocks: one electric watch-clock; two repeating three-dial clocks for striking signals; Magneto-Electric Machine, for striking bells, 1, loaned to Tufts College; Relay Magnets, in use, 48; Eighteen-Pen Registers, 2; Office Bells in use, 4; Telegraph Keys in use, 37; 58 Telephones in use; 1 switch-board; 25 Galvanometers, for signal batteries; 2 portable rheotropes; 1 chronometer; 1 set telegraphic apparatus in Superintendent's house; 1 set instruments in Assistant Superintendent's house; 4 sets telegraphic apparatus in assistants' houses; 1 repeating instrument from West Roxbury, and one from Charlestown, not in use; 1,031 battery-cups in use at Central office; 24 Relays; 104 cups battery in use in department houses; 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; 170 spare battery cups; 2,000 lbs. sulphate of copper; 700 lbs. zinc; 216 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 Market, Washington Street, cor. Boylston Street . .	Composition.	529
Boylston School-house, Washington Street, near Dover Street.	"	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
Fire Dep't Repair-Shop, Harrison Ave., cor. Wareham Street.	"	1,000
Hancock School-house, Parmenter Street	Composition.	4,080
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 Schools-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
Engle-house No. 11, Orleans Street	Composition.	817
Princeton-street School-house	"	2,470
Saratoga-street M. E. Church	Steel.	1,968

BELLS. — *Continued.*

Location.	Material.	W'g't in Lbs.
<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	"	800
<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 FIREMAN'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

TRUST FUNDS.

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(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 Fireman'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, Augustus P. Martin, Fire Commissioners Henry W. Longley and John E. Fitzgerald, now constitute the Board of Trustees. Augustus P. Martin, Mayor, President; Frederick W. Smith, Jr., Clerk.

The following was the condition of the fund, May 1, 1884 : —

Four certificates of City of Boston	Four per cent. Stock,	\$32,000 00
One " " " " " Five " "		8,000 00
Cash on hand,		2,929 71
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		\$42,929 71
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