

REPORT
OF THE
CITY AUDITOR

OF THE
RECEIPTS AND EXPENDITURES

OF THE
CITY OF BOSTON AND THE COUNTY OF SUFFOLK,
COMMONWEALTH OF MASSACHUSETTS,

FOR THE FINANCIAL YEAR
1896-97.

FEBRUARY 1, 1896, TO JANUARY 31, 1897.
(BOTH INCLUDED.)

CITY DOCUMENT NO. 3.



BOSTON:
MUNICIPAL PRINTING OFFICE.
1897.

CITY INCOME.

Fire Department.

Licenses to sell powder,	\$821 00	
Rents of tenements in engine-houses,	377 54	
Sale of old material, etc.,	185 70	
Damages,	100 00	
	<hr/>	1.484 24

CITY PAYMENTS.

Fire Department.

Salaries to January 28, 1897, inclusive :			
Henry S. Russell, Commissioner,	\$5,082 17		
B. F. Underhill, Jr., Clerk,	2,439 59		
L. P. Webber, Chief Engineer,	3,557 36		
District Chiefs,	28,828 30		
Enginemen, assistant engine- men and drivers, and officers and members of the various engine, hook-and-ladder, and hose companies,	781,346 79		
Clerks and messenger in office,	5,101 24		
Pensioners,	34,901 28		
Extra-service men,	1,063 50		
	<hr/>	\$862,320 23	
Horses:			
Hay, grain, and straw,	\$29,535 96		
Shoeing,	11,950 01		
Purchase and exchange of,	5,459 86		
Harnesses and repairs,	4,409 81		
Medical attendance and medicine,	763 73		
Horse-hire,	328 00		
	<hr/>	52,447 37	
<i>Carried forward,</i>		\$914,767 60	\$6,785,962 83
<i>Brought forward,</i>		\$914,767 60	\$6,785,962 83
Repairs of apparatus, including stock sent to repair-shop:			
Mechanics,	\$22,904 73		
Materials,	8,550 49		
	<hr/>	31,455 22	
Fuel for houses, and engines,		22,438 39	
Repairs of houses,		20,616 35	
Hose, pipes, and repairs,		20,473 14	
New apparatus:			
Three engines,	\$10,650 00		
Two hose-wagons,	792 00		
One chemical engine,	750 00		
Two district chiefs' wagons,	432 00		
Two three-horse hitches,	184 57		
	<hr/>	12,808 57	
Furniture and bedding,	\$6,039 94		
Washing,	3,214 80		
	<hr/>	9,254 74	
Gas,		8,160 05	
Tools and supplies,		7,071 28	
Rents,		3,589 98	
Printing,		2,043 20	
Water-rates,		1,843 20	
Electric lighting,		1,736 79	
Amounts allowed for loss of personal prop- erty of members by burning of Ladder- house No. 12, May 15, 1894,		1,385 70	
Hats, badges, and buttons,		976 91	
Watering streets,		757 40	
Medical services,		610 00	
Chemicals,		558 77	
Janitor at headquarters,		543 50	
Ice,		503 21	
Services of electrical experts,		476 10	
Stationery,		436 60	
Rent of gas regulators,		416 25	
Expenses of detailed men,		223 17	
Advertising,		176 54	
Removing ashes,		165 00	
Sewer assessment, Dorchester avenue,		120 71	
Repairing wharf,		76 36	
Freights,		13 16	
Damages,		10 00	
Hydrants and reservoirs: for use of water at fires,		99,643 00	

FIRE-ALARM TELEGRAPH.

Salaries: Brown S. Flanders,

Superintendent,

\$3,252 08

Operators, repairers, etc.,

31,484 15

Wire and cables,

34,736 23

Repairs and alterations,

11,957 96

Instruments, tools, and repairs,

6,274 41

Electric power,

4,960 82

Telephone service,

769 44

Wagon and horse keeping,

715 20

Electric light for clocks,

447 75

Car fares, and travelling expenses,

274 50

Repairs of clocks,

232 24

183 18

Carried forward,

\$1,223,902 62 \$6,785,962 83

Brought forward,

\$1,223,902 62 \$6,785,962 83

Trimming trees,

102 00

Chemicals,

89 28

Maps,

33 50

Cartage and small items,

9 18

1,224,136 56

\$10.21 of this amount drawn for but not paid.

LADDER-HOUSE, WARD 19.

(Total cost, \$18,594.59.)

Balance of payments.

Contractor, James Fagan,

\$9,134 14

Building wall,

1,165 00

Water-service pipe, etc.,

50 19

\$10,349 33

FIRE DEPARTMENT AND FIRE-ALARM TELEGRAPH.

Year.	Apparatus in Service.				Men.	Repairs, Fire Department Buildings.	Erection, Fire Department Buildings.
	S.E.	H.C.	C.E.	H&L		Amount.	Amount.
1887-88.	33	9	8	15	690	\$13,162 60	\$56,877 39
1888-89.....	34	8	9	16	738	27,241 22	30,377 65
1889-90.....	34	9	10	16	757	25,149 51	20,197 80
1890-91.....	38	8	10	16	774	29,298 03	99,046 37
Nine months ending Jan. 31, 1892.....	40	6	10	17	763	26,173 09	54,158 39
1892-93.....	43	6	10	17	835	39,248 01	51,857 62
1893-94.....	43	5	11	17	794	15,665 45	69,018 28
1894-95.....	44	4	11	17	786	19,587 89	57,741 19
1895-96.....	44	2	13	17	792	63,503 02	40,987 52
1896-97.....	45	1	14	17	805	21,160 41	10,349 33

In addition to the above there are an Aerial Ladder and 2 Water Towers in service.

¹ Fire Boat included.

² Includes 3 Combination Wagons.

CITY PROPERTY.

FIRE DEPARTMENT.

The following property is in charge of the Commissioner of the Fire Department:

ENGINE-HOUSES.

	LOCATION.	No. of feet in lot.	Remarks.
No. 1.....	Dorchester st.....	5,698	Addition built 1874. Municipal Court, Ward-room 15, in this building.
2.....	Cor. of O and Fourth sts...	4,000	Ladder 3 in this building.
3.....	Bristol st. and Harrison av.	4,000	Chemical Engine 1, Lancers' Armory, and water-tower in this building.
4.....	Bulfinch st.....	6,098	
5.....	Marion st., E. B.....	1,647	
6.....	Leverett st.....	2,269	
7.....	East st.....	1,893	
8.....	Salem st.....	2,568	
9.....	Paris st., E. B.....	4,000	Ladder 2 in this building.
10.....	River st.....	1,886	
11.....	Saratoga and Byron sts...	10,000	
12.....	Dudlev st.....	7,320	
13.....	Cabot st.....	4,832	Remodelled, 1870.
14.....	Centre street.....	5,713	
15.....	Dorchester ave., S. B.....	2,843	
16.....	River st., Dorchester.....	12,736	Ladder 6 in this building.
17.....	Meeting-house Hill, Dorchester.....	9,450	Ladder-house 7 on this lot.
18.....	Harvard st., Dorchester..	10,225	
19.....	Norfolk st., ".....	7,683	
20.....	Walnut st., ".....	9,000	
21.....	Boston st., ".....	9,353	
22.....	Dartmouth st.....	4,463	
23.....	Northampton st.....	3,445	
24.....	Corner Warren and Quincy sts.....	4,186	
25.....	Fort Hill sq.....	4,175	Ladders 8 and 14 in this building.
26-35...	Mason st.....	5,623	
27.....	Elm st., Charlestown.....	2,600	
28.....	Centre st., West Roxbury..	10,377	Ladder 10 in this building.
29.....	Chestnut Hill ave., Brighton.....	14,358	Ladder 11 in this building.
30.....	Mt. Vernon st., W. R. x....	16,275	
32.....	Bunker Hill st.....	8,188	
33.....	Cor. Boylston and Hereford sts.....	5,646	Ladder 15 in this building.
34.....	Western ave., Brighton...	4,637	
36.....	Monument st.....	5,668	
37.....	Cor. Longwood and Brookline aves.....	5,400	Chemical Engine 3 in this b'ld'g.
38-39...	Congress st., S. B.....	4,000	
40.....	Sumner st., E. B.....	4,010	Remodelled, 1870.
41.....	Harvard ave., Brighton...	6,112	Chemical Engine 6 in this b'ld'g.
42.....	Washington st., Egleston sq.....	3,848	Chemical Engine 5 in this b'ld'g.
43.....	Andrew sq.....	5,133	
45.....	In Ladder-house 16.....		
	CHEMICAL ENGINE-HOUSES.		
No. 2.....	Church st.....	3,412	
4.....	Shawmut ave.....	889	
7.....	Chelsea st.....	1,346	
8.....	B st., S. B.....	1,804	
10.....	Eustis st.....	1,754	
11.....	N. Grove st.....	3,918	

HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3	Winthrop st., Chsn.....	3,000	Armory in building.
Combina- tion Wag- on No. 1..	Dorchester ave., Ashmont,	4,875	
Combina- tion Wag- on No. 2..	Fourth st.	3,101	Remodelled, 1870.

HOOK-AND-LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1.....	Friend st.....	1,676	
2.....	Paris st., E. B.....		See Engine-house 9.
3.....	Harrison ave.....		See Engine-house 3.
4.....	Dudley st.....	3,923	
5.....	Fourth st.....	2,469	
6.....	River st., Dorchester.....		See Engine-house 16.
7	Meeting-house Hill.....		See Engine-house 17.
8-14...	Fort Hill sq.....		See Engine house 25.
9.....	Main st., Charlestown.....	4,290	Chemical 9 in this building.
10.....	Centre st., W. R.....		See Engine-house 28.
11.....	Chestnut Hill av., Brighton		See Engine-house 29.
12.....	Tremont st.....	4,350	Chemical 12 in this building.
13.....	Washington st., near Dover,	1,007	
14.....	Fort Hill Hill sq.....		See Engine-house 25.
15.....	Boylston, cor. Hereford st..		Engine 33 in this building.
16.....	Rosindale.....	14,729	Engine 45 in this building.
17.....	Harrison ave.....	2,134	

MISCELLANEOUS.

	Location.	No. of feet in lot.	Remarks.
Repair-shop.....	Bristol st. }		
Fire Dept. H'dquarters,	Bristol st. }	23,663	
Fuel-house	Salem st.....	417	
Fuel-house	Main st., Ch's'n.....	2,430	
Ladder-house	Washington st., Dor..	5,624	

STEAM FIRE-ENGINES. — Forty-three in service, located as follows: Twelve in city proper; four in East Boston; six in South Boston; five in Roxbury District; six in Dorchester; three in Charlestown; four in West Roxbury; and three in Brighton.

FIRE-BOAT. — One; located India Wharf.

HORSE HOSE CARRIAGES AND WAGONS. — Forty-four, located as follows, viz.: Twelve in city proper; four in East Boston; six in South Boston; five in Roxbury; six in Dorchester; four in Charlestown; four in West Roxbury; and three in Brighton.

HOOK AND LADDER CARRIAGES. — Seventeen in service, including five extension ladder trucks, located as follows, viz.: Seven in city proper; one in East Boston; two in Roxbury; one in South Boston; two in Dorchester; one in Charlestown; two in West Roxbury; and one in Brighton.

COMBINATION WAGONS. — Two in service, located as follows: One in Dorchester; one in South Boston.

CHEMICAL ENGINES. — Eleven in service, self-acting, located as follows: Four in the city proper; one in East Boston; one in Charlestown; one in South Boston; two in Roxbury; one in West Roxbury; and one in Brighton.

WATER-TOWERS. — Two, located in city proper.

PORTABLE EXTINGUISHERS. — Carried on all of the ladder trucks and hose wagons and located in the department houses.

HORSES. — Two hundred and eighty seven.

FUEL-WAGONS. — Thirty-nine, each capable of conveying about two tons.

WAGONS. — Seventeen for chief of department and district chiefs (fourteen in service and three in reserve) and one buggy.

PUNGS. — Forty-eight; forty-three for carrying hose, two for jobbing, and three for Fire-Alarm branch. District chiefs' sleighs, seven.

FIRE-LADDERS. — Two hundred and-fifty, of different sizes.

HOSE. — 99,600 feet of leading, and 1,229 feet of suction.

SPARE APPARATUS. — Eight steam fire-engines, ten hose-carriages, five hook-and-ladder carriages, two chemical engines, one hose-pung, one salt-pung, three hose-wagons, and one fire-boat, now undergoing alterations.

RESERVOIRS. — Two hundred and twenty, of which thirteen are located at East Boston; eighteen at South Boston; forty-one in Roxbury; eight in Dorchester; thirty-eight in Charlestown; fifteen in West Roxbury; one in Brighton, 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.

REPAIR-SHOP. — In the repair-shop, one 25-horse power steam-engine, cylinder 9 by 31 inches, Putnam Machine Co.; one 26-inch by 26-inch iron planer, 8-ft. table, 12-ft. bed; two 14-inch swing engines lathes, 6-ft. bed; one 14-inch swing engine lathe, 10-ft. bed; one No. 2 upright drill; 4 blacksmith's forges; one furnace for heating tires; one 28-inch swing standard engine-lathe; one 14-inch speed lathe, 5-ft. bed; one 14-inch swing patent engine-lathe, 5-ft. bed; one 25-inch shaping machine; one 68-inch radial drill; one duplex and one Blake pump for feeding boilers; one Knowles triplex pump for testing hose; one patent goose-neck belt drill; one band saw; one circular saw; one monarch boring machine; together with numerous smaller tools and appliances and also tools for repairing hose and harness.

Two upright tubular boilers, 100-horse power.

Two dynamos for lighting and fire alarm; one tire upsetter in the blacksmith shop; one No. 2 Blake pump in the hose and harness shop for testing hose.

HYDRANTS. — For supplying water in cases of fire 7,003, viz.: in the city proper, 1,500; in South Boston, 600; in East Boston, 410, in Roxbury, 1,130 in Dorchester, 1,545; in West Roxbury, 940; in Brighton, 500; in Charlestown, 348; on Deer Island, 18; on Long Island, 6; on Thompson's Island, 2; and on Rainsford Island, 4. The hydrants are located at a distance of 250 to to 300 feet from each other.

FIRE-ALARM BRANCH.

Telegraphic Fire-Alarm Plant, the estimated value of which is \$172,000.

BELLS OWNED BY THE CITY.

Location.	Material.	Weight in lbs.
<i>City Proper.</i>		
Faneull Hall.....	Steel.	5,816
Quincy School-house, Tyler street.....	Composition.	2,941
Wells School-house, Blossom street.....	"	1,875
<i>Charlestown.</i>		
Bunker Hill School-house.....	Composition.	2,009
City Hall.....	"	3 600
Warren School-house.....	"	3,000
Winthrop (old) School-house.....	"	3,000
Van Nostrand's Brewery.....	"	818
<i>East Boston.</i>		
Adams School-house, Webster street.....	Steel.	2,995
Chapman School-house, Eutaw street.....	"	3,109
Engine-house No. 40, Orleans street.....	Composition.	817
Princeton-street School-house.....	"	2,470
Saratoga-street M. E. Church.....	Steel.	1,968
Trinity Church, Trenton street.....	Composition.	1,760
<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>		
George-street School-house.....	Composition.	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>		
Engine-house No. 28, Centre street.....	Composition.	4,000
Engine-house No. 30, Mt. Vernon street.....	Steel.	1,000
Engine-house No. 45, Roslindale.....	Composition.	1,059
<i>Brighton.</i>		
Engine-house No. 29, Chestnut Hill avenue.....	Steel.	1,535
Engine house No. 34, Western avenue.....	Composition.	1,501
Engine-house No. 41, Allston.....	"	900

AT FIRE-ALARM REPAIR-SHOP.

Bell formerly used on house of Chemical Engine 5; one composition bell, 400 lbs., formerly used on house of Chemical Engine 4, Roslindale; one composition bell, 400 lbs., formerly used on house of Chemical Engine 6; and two small bells from other locations.

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-street M. E. Church; Young Men's Christian Union building.

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

East Boston. — London-street Church; Lyceum Hall; Trinity Church; Orient Heights Church.

Boston Highlands. — Winthrop-street Church; West End Stables; Tremont street; Roxbury High School-house.

Dorchester. — Tileston School-house; Baker Memorial Church, Upham's Corner.

Charlestown. — City Hall; High School-house.

Brighton. — Bennett School-house.

Jamaica Plain. Unitarian Church.

Roslindale. — Congregational Church.

West Roxbury. — South Evangelical Church.

TRUST FUNDS.

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 purpose 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.: the Mayor, Josiah Quincy; Fire Commissioner Henry S. Russell,— now constitute the Board of Trustees; Josiah Quincy, Mayor, President; Henry S. Russell, Treasurer; Michael J. Lafferty, Secretary.

The following was the condition of the fund Jan. 31, 1897:

One City of Boston	Three and one-half per cent. Bond	\$8,000 00
Twelve " "	Four per cent. Bonds	96,000 00
One " "	Five " Bond	8,000 00
Cash on hand	3,362 48
Total	<u>\$115,362 48</u>