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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

1899-1900

FEBRUARY 1, 1899, TO JANUARY 31, 1900

(BOTH INCLUDED)

CITY DOCUMENT No. 4



BOSTON
MUNICIPAL PRINTING OFFICE
1900

Fire Department.

Licenses to sell fireworks,	\$1,440 00	
Sales of old material, etc.,	1,362 23	
Rents,	68 00	
Sale of engine-house and land, Dartmouth street,	55,000 00	
		57,870 23
Carried forward,		\$12,844,033 85

Fire Department.

Salaries to Jan. 25, 1900, inclusive:

Henry S. Russell, Commissioner,	\$4,863 02	
B. F. Underhill, Jr., Clerk, .	2,334 26	
L. P. Webber, Chief Engineer,	3,478 84	
Assistants and District Chiefs,	27,325 19	
Members of the various engine, hook-and-ladder, and hose companies,	821,476 36	
Clerks and messenger in office,	5,739 44	
Pensioners,	47,062 78	
Extra-service men,	1,221 91	
		\$913,501 80

Horses:

Hay, grain and straw,	\$30,100 75	
Shoeing,	17,373 29	
Purchase and exchange of,	4,389 20	
Harnesses and repairs,	7,018 94	
Medical attendance and medicine,	2,549 56	
Horse-hire,	1,872 75	
		63,304 49

Repairs of apparatus, including stock sent to repair shop:

Materials,	\$30,249 06	
Mechanics,	26,830 91	
		57,079 97

Fuel for houses and engines,	25,202 35
Repairs and alterations of houses,	25,082 03
Hose, pipes and repairs,	14,068 58
Tools and supplies,	11,577 34
Gas,	8,860 80

Furniture and bedding,	\$4,737 81
Washing,	3,509 46
	8,247 27

Rents,	5,110 01
Electric lighting,	2,350 99

New apparatus:

Combination chemical engine and ladder truck,	\$1,450 00
Hose wagon,	406 50
Six extinguishers,	132 00
	1,988 50

Filling lot, Engine-house 21,	1,552 95
Chemicals,	1,388 74

Carried forward, \$1,139,315 82 \$10,357,528 76

<i>Brought forward,</i>	\$1,139,315 82	\$10,357,528 76
Hats, badges and buttons,	1,252 46	
Medical services,	1,056 00	
Printing,	1,037 50	
Janitor at headquarters,	600 00	
Rent of gas regulators,	516 75	
Stationery,	509 99	
Water-rates,	505 77	
Ice,	371 00	
Expenses of detailed men,	232 23	
Salt-water service,	152 63	
Freights,	131 38	
Advertising,	107 50	
Removing ashes,	100 50	
Refreshments for men at fires and small items,	69 92	

\$1,145,959 45

Less transferred to Laying Out and Construction of Highways on account of expenses incurred in moving Engine-house No. 21, by reason of the construction of Columbia road,

1,552 95

\$1,144,406 50

FIRE-ALARM TELEGRAPH.

Salaries: Brown		
S. Flanders, Superintendent,	\$3,180 20	
Operators, repairers, etc.,	34,664 45	
	<hr/>	\$37,844 65
Instruments, tools and repairs,	3,309 14	
Repairs and alterations,	2,446 91	
Wire, cables and conduits,	2,272 18	
Electric power,	952 86	
Telephone service,	727 37	
Electric light and gas for clocks,	404 90	
Horse-keeping,	315 75	
Car-fares and travelling expenses,	264 65	
Maps and plans,	69 50	
Repairs of clocks,	58 78	
Trimming trees,	20 00	
	<hr/>	48,686 69
		<hr/>
		\$1,193,093 19

ENGINE-HOUSE AND SITE, WARREN AVENUE.

Payments on account :

Land,	\$37,706 16
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FIRE-BOAT.

Total cost, \$16,000.

Balance of payments for building new hull for Engine No. 31.

Contractor, John M. Brooks,	\$1,475 00
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Carried forward,

\$10,357,528 76

<i>Brought forward,</i>		\$10,357,528 76
LADDER TRUCK, HOUSE, AND CHEMICAL ENGINE, GROVE HALL.		
<i>Total cost, \$24,750.</i>		
<i>Balance of payments.</i>		
Contractor, L. K. Marston,	\$1,231 09	
Architects, Perkins & Betton,	7 83	
	<u>\$1,238 92</u>	
VETERINARY HOSPITAL.		
<i>Total cost, \$23,224.90.</i>		
<i>Balance of payments.</i>		
Public Buildings Department, Repair Divi- sion,	\$5,685 49	
Contractor, George G. Baker,	624 75	
Architect, John A. Fox,	607 60	
Heating apparatus,	395 00	
Filling,	100 00	
	<u>\$7,412 84</u>	
UNDERGROUND WIRES.		
Cables, Public Buildings Department, Elec- trical Construction Division,	\$4,416 08	
Building ducts,	583 92	
	<u>\$5,000 00</u>	
RECAPITULATION.		
Fire Department,	\$1,193,093 19	
<i>\$372.02 of this amount drawn for but not paid.</i>		
Engine-house and site, Warren avenue,	37,706 16	
Fire-boat,	1,475 00	
Ladder-truck, house, and chemical engine, Grove Hall,	1,238 92	
Veterinary Hospital,	7,412 84	
Underground wires,	5,000 00	
	<u>1,245,926 11</u>	

FIRE DEPARTMENT AND FIRE-ALARM TELE- GRAPH.

YEAR.	Apparatus in Service.				Men.	Repairs, Fire Department Buildings.	Erection, Fire Department Buildings.
	¹ S.E.	H.C.	C.E.	H&L		Amount.	Amount.
1890-91.....	38	8	10	16	774	\$29,293 08	\$99,046 37
Nine months ending January 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	² 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	40,967 52
1896-97.....	44	1	14	17	805	21,160 41	10,349 33
1897-98.....	44	1	14	³ 20	849	30,351 60	21,691 00
1898-99.....	44	.....	15	21	833	28,030 82	40,478 46
1899-1900	44	.....	14	22	854	25,082 03	47,276 48

In addition to the above there are 2 Water Towers in service.

¹ Fire-boat included.

² Includes 3 Combination Wagons.

³ Includes 4 Combination Trucks.

FIRE DEPARTMENT.

The following property is in charge of the Fire Commissioner.

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.....	O and Fourth sts.....	4,000	
3.....	Bristol st. and Harrison av.	4,000	Ladder 3 in this building.
4.....	Bulfinch st.	6,098	Chemical Engine 1, Lancers' Armory, and water-tower in this building.

ENGINE-HOUSES. — *Concluded.*

	LOCATION.	No. of feet in lot.	Remarks.
5.. ...	Marion st., East Boston....	1,647	
6.....	Leverett st.....	2,269	
7.....	East st.	1,893	
8.....	Salem st.....	2,568	
9.....	Paris st., East Boston	4,720	Ladder 2 in this building.
10.....	River st.....	1,886	
11.....	Saratoga and Byron sts....	10,000	Combination Co. 4 in this b'ld'g
12.....	Dudley st.	7,320	
13.....	Cabot st.	4,832	Remodelled, 1870.
14.....	Centre st.	5,713	
15	Dorchester ave., S. Boston.	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...	9,440	
19.....	Norfolk st., "	7,688	
20.....	Walnut st., "	9,000	
21.....	Columbia road "	12,661	
23.....	Northampton st.....	3,445	
24.....	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.....	Centre st., W. Roxbury...	12,251	
32.....	Bunker Hill st.....	8,188	
33.....	Boylston and Hereford sts.....	5,646	Ladder 15 in this building.
34.....	Western ave., Brighton...	4,637	
36.....	Monument st.....	5,668	Combination Co. 5 in this b'ld'g.
37.....	Longwood and Brookline aves.....	5,400	Chemical Engine 3 in this b'ld'g.
38-39...	Congress st., S. Boston....	4,000	
40.....	Summer st., East Boston...	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	Combination Co. 3 in this b'ld'g.
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., South Boston.....	1,804	
10.....	Eustis st.....	1,754	

COMBINATION-HOUSES.

	LOCATION.	No. of feet in lot.	Remarks.
No. 1.....	Dorchester ave., Ashmont,	4,875	
2.....	Fourth st.....	3,101	Remodelled, 1870.
6.....	Washington st., Dor.....	6,874	
7.....	Winthrop st., Chsn.	3,000	Armory in building.
8.....	North Grove st.....	3,918	

HOOK-AND-LADDER HOUSES.

	LOCATION.	No. of feet in lot.	Remarks.
No. 1.....	Friend st.....	1,676	
2.....	Paris st., East Boston		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., West Roxbury..		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 sq.....		See Engine-house 25.
15.....	Boylston, cor. Hereford st.,		Engine 33 in this building.
16.....	Roslindale	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	
Fuel-house.....	Dorchester st.....	1,610	
Engine-house.....	Mt. Vernon st., W. R.	16,275	

7,500 feet of land on Warren avenue, purchased as a site for new house for Engine 22.

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, 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-three in service, located as follows: Twelve in city proper, four in East Boston, six in South Boston, five in Roxbury, six in Dorchester, three 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: 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 TRUCKS. — Five in service, located as follows: One in city proper, one in East Boston, one in South Boston, one in Charlestown, and one in Dorchester.

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

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

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

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

HORSES. — Three hundred and fifty.

VETERINARY HOSPITAL. — Swett street, on lot containing 64,442 square feet.

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-two, thirty-seven for carrying hose, two for jobbing and three for Fire-alarm branch. District chiefs' sleighs, seven.

FIRE LADDERS. — Two hundred and ninety, of different sizes.

HOSE. — 96,300 feet of leading and 1,098 feet of suction.

SPARE APPARATUS. — Ten steam fire-engines, five hose wagons, five hook-and-ladder carriages, three chemical engines, and one fire-boat.

RESERVOIRS. — Two hundred and ten, of which thirteen are located at East Boston, seventeen 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.

REPAIR-SHOP. — In the repair-shop, one 25-horse power steam-engine, cylinder, 9 by 31 inches, Putnam Machine Company; one 28-inch by 26-inch iron planer, 8-ft. table, 12-ft. bed; two 14-inch swing engine lathes, 6-ft. bed; one 14-inch swing engine lathe, 10-ft. bed; one No. 2 upright drill, four 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.

Three 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 case of fire 7,377, viz.: In the city proper 1,467, in South Boston 609, in East Boston 417, in Roxbury 1,214, in Dorchester 1,750, in West Roxbury 1,025, in Brighton 545, in Charlestown 350; also on Deer Island 18, on Long Island 6, on Thompson's Island 2, on Gallop's Island 1, and on Rainsford Island 4. The hydrants are located at a distance of 250 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>		
Berkeley Temple, Berkeley street.....	Composition.	2,941
Chapman School-house, stored by Public Buildings Department.....	Steel.	3,109
Faneuil Hall.....	"	5,186
Wells School-house, Blossom street.....	Composition.	1,675
<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

BELLS OWNED BY THE CITY. — *Concluded.*

LOCATION.	Material.	Weight in lbs.
<i>East Boston.</i>		
Adams School-house, Webster street.....	Steel.	2,995
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.....	"	3,028
<i>Roxbury.</i>		
Hook-and-Ladder-house No. 4, Dudley street.....	Composition.	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 (old).....	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

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

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

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

Boston Highlands. — Winthrop-street Church, Boston Elevated Railroad house, Tremont street; Roxbury High School-house.

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

Charlestown. — City Hall and High School-house.

Brighton. — Bennett School-house.

Jamaica Plain. — Unitarian Church.

Roslindale. — Congregational Church.

West Roxbury. — South Evangelical Church.

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 Fire Commissioner of the city of Boston for the time being (and his 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, Thomas N. Hart; Fire Commissioner, Henry S. Russell—now constitute the Board of Trustees; Thomas N. Hart, Mayor, President; Henry S. Russell, Treasurer; Michael J. Lafferty, Secretary.

The following was the condition of the fund January 31, 1900:

Two	City of Boston	Three and one-half per cent. Bonds,	\$13,000 00
Fourteen	"	" Four per cent. Bonds	107,000 00
One	"	" Five " Bond	8,000 00
Eight	Chicago, Burlington & Quincy R.R., Nebraska Division, Four per cent. Bonds		8,000 00
Cash on hand	.	.	2,343 11
Total			<u>\$138,343 11</u>