

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
1894-95.

FEBRUARY 1, 1894, TO JANUARY 31, 1895.
(BOTH INCLUDED.)

CITY DOCUMENT NO. 4.



BOSTON:
ROCKWELL AND CHURCHILL, CITY PRINTERS.
1895.

CITY INCOME.

Fire Department.

Licenses to sell powder,	\$732 00
Sale of old material, etc.,	416 03
Rents of tenements in engine-houses,	350 04
Services at Food Fair,	171 00
Rebate on Telephone charges,	28 13

1.697 20

CITY PAYMENTS.

Fire Department.

Payments for this department, including inside repairs on houses.

Salaries to January 24, 1895, inclusive:

Commissioners —

Robert G. Fitch,	\$3,490 24
George H. Innis,	3,490 24
John R. Murphy, to August 3, 1894, inclusive,	1,821 83
Henry S. Russell, from January 23, 1895,	19 18
B. F. Underhill, Jr., Clerk,	2,893 56
L. P. Webber, Chief Engineer,	3,490 24
District Chiefs,	25,046 02

Enginemen, assistant engine-
men and drivers, and officers
and members of the various
engine, hook-and-ladder, and
hose companies,

707,090 66

Clerks and messenger in office,

5,798 44

Pensioners,

27,951 99

Extra-service men,

2,018 03

\$782,610 43

Horses:

Hay, grain, and straw,	\$26,246 46
Purchase and exchange of,	11,060 00
Shoeing,	10,953 42
Harnesses and repairs,	2,912 25
Horse-hire,	1,495 00
Medical attendance and medicine,	731 19

53,398 32

Repairs of apparatus, including
stock sent to repair shop:

Mechanics,	\$21,215 00
Materials,	9,936 51

31,151 51

Fuel for houses and engines,

18,845 60

Hose and repairs,

16,740 76

Furniture and bedding,

\$4,971 23

Washing,

4,593 91

9,565 14

Repairs of houses,

8,292 73

Gas,

7,985 71

Tools and supplies,

6,312 67

New apparatus:

Nine wagons,	\$2,665 00
Chemical engine,	1,259 00
Fire pungs,	625 00
Hose-wagon,	474 00
Four three-horse poles,	313 00
Six life nets,	300 00
Six door-openers,	120 00
Ladder,	115 00

5,871 00

Rents,

4,088 32

Carried forward,

\$944,862 19 \$6,045,530 26

CITY PAYMENTS.

<i>Brought forward,</i>	\$944,862 19	\$6,045,530 26
Widow of John M. Powers, on account of his death from injuries received while a member of the department. Chap. 258 of Acts of 1873,	3,000 00	
Printing,	2,173 49	
Water-rates,	1,889 60	
Hats, badges, and buttons,	1,612 50	
Electric lighting,	1,154 74	
Stationery,	838 68	
Expenses of detailed men,	835 98	
Janitor, and cleaning at headquarters,	631 74	
Chemicals,	595 50	
Medical services,	486 66	
Ice,	439 50	
Damages,	412 97	
Refreshments for men at fires,	343 25	
Services of accountant,	215 00	
Watering streets,	205 50	
Advertising,	203 70	
Testing engines,	196 62	
Freights,	58 65	
Sewer assessment, Orleans street,	44 03	
Fire statistics of other cities,	21 12	
Typewriting,	15 00	
Removing ashes,	12 00	
Travelling expenses of Commission,	727 59	
Hydrants and reservoirs: for use of water at fires,	12,628 00	
FIRE-ALARM TELEGRAPH AND INSPECTION OF WIRES.		
Salaries: Brown S.		
Flanders, Super- intendent,	\$3,190 72	
Operators, repairers, etc.,	42,208 18	
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	\$45,398 90	
Instruments, tools, and repairs,	6,656 84	
Wire and cables,	6,081 32	
Repairs,	2,594 63	
Laying ducts,	2,253 76	
Telephone service,	1,409 84	
Maps and plans,	604 64	
Car-fares and travelling expenses,	562 48	
Obtaining correct time,	399 96	
Horse-keeping,	345 50	
Electric-light for clocks,	319 69	
Chemicals,	259 80	
Stationery and printing,	242 90	
Cartage and freights,	217 79	
Electric power,	196 98	
Rent of land,	60 00	
Repairs of clocks,	49 25	
Trimming trees,	24 00	
Refreshments for men,	14 70	
	<hr/>	
	67,692 98	
	<hr/>	
	\$1,041,296 94	
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EQUIPMENT OF ENGINE-HOUSE, ASHMONT, NEW ENGINE, ROSLINDALE.		
Hose,	\$1,960 00	
Three horses,	1,000 00	
	<hr/>	
<i>Carried forward,</i>	\$2,960 00	\$6,045,530 26

<i>Brought forward,</i>	\$2,960 00	\$6,045,530 26
Furniture, gas fixtures, etc.,	712 71	
Cable,	516 12	

\$4,188 83

FIRE BOAT, No. 2.

Payments on account:

Contractor,	\$11,656 25
Plans and specifications,	2,300 00

\$13,956 25

RECAPITULATION.

Fire Department,	\$1,041,296 94	
<i>\$12.10 of this amount drawn for, but not paid.</i>		
Equipment of engine-house, Ashmont, new engine, Roslindale,	4,188 83	
Fire boat, No. 2,	13,956 25	
		1,059,442 02

ENGINE-HOUSE, ASHMONT.

Balance of payments.

Cost of land,	\$1,804 00
Cost of building,	21,443 51

\$23,247 51

Contractor, James Fagan,	\$4,700 00
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<i>Brought forward,</i>	\$4,700 00	\$14,000,081 37
Heating apparatus, Walker & Pratt M'fg Co.,	1,455 45	
Fuel,	107 93	

\$6,263 38

ENGINE-HOUSE, No. 27, REMODELLING.

Printing,	\$36 23
Advertising,	8 75

\$44 98

FIRE DEPARTMENT HEADQUARTERS, ETC.

Continuation of payments.

Contractors, Hascal Dodge & Co.,	\$22,128 11
Electric-lighting plant and wiring, Godfrey Electric Construction Co.,	3,847 80
Transmitter,	3,250 00
Steam plant, Ingalls & Kendrick,	2,000 00
Heating and ventilating, Ingalls & Kendrick,	1,109 00
Expert services:	
On electric-light plant,	\$459 88
Construction of heating plant,	115 00

574 38

Boiler-house, Hascal Dodge,	146 42
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\$33,055 71

LADDER HOUSE, No. 1.

Continuation of payments.

Contractors, W. L. Clark & Co.,	\$16,321 60
Heating apparatus, Lynch & Woodward,	1,972 00
Paving at temporary quarters,	114 00
Typewriting,	14 00
Hand stamp,	50

\$18,422 10

FIRE DEPARTMENT AND FIRE ALARM TELE- GRAPH.

Year.	Apparatus in service.				Men.	Repairs, Fire Department Buildings.	Erection, Fire Department Buildings.
	S.E.	H.C.	C.E.	H.&L		Amount.	Amount.
1885-86	32	10	6	14	687	\$19,088 82	\$61,989 41
1886-87	32	10	7	14	689	15,334 46	72,413 15
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 60
1890-91	38	8	10	16	774	29,293 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

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

¹ Fire Boat included.

² Includes 2 Combination Wagons.

CITY PROPERTY.

FIRE DEPARTMENT.

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

ENGINE-HOUSES.

No.	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Dorchester st.	5,698	Addition built 1874. Municipal Court, Ward-room 15, and two classes, branch of Bigelow School, in this building.
2 . . .	Cor. of O and Fourth sts. . .	4,000	
3 . . .	Bristol st. and Harrison ave.,	4,000	Ladder 3 in this building.
4 . . .	Buttrick st.	6,098	Chemical Engine 1, Lancers' Armory, and water-tower in this building.
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.	1,866	
11 . . .	Saratoga and Byron sts. . .	10,000	
12 . . .	Dudley st.	7,320	
13 . . .	Cabot st.	4,832	Remodelled, 1870.
14 . . .	Centre st.	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		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.,	9,355	
22 . . .	Dartmouth st.	4,463	
23 . . .	Northampton st.	3,445	
24 . . .	Cor. Warren and Quincy sts.,	4,186	
25 . . .	Fort Hill sq	4,175	Ladders 8 and 14 in this building.
26 . . .	Mason st.	5,623	Engine 35 in this building.
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. Roxbury,	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	
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 building.
42 . . .	Washington st., Egleston sq.,	3,348	Chemical Engine 5 in this building.
43 . . .	Andrew sq.	5,133	
45 . . .	In Ladder-house 16.		
CHEMICAL ENGINE-HOUSES.			
No. 2 . . .	Church st.	3,412	
7 . . .	Chelsea st.	1,346	
8 . . .	B st., S.B.	1,804	
10 . . .	Eustis st.	1,754	

HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3 . . .	Winthrop st., Chn.	3,000	Armory in building.
5 . . .	Shawmut ave.	889	
8 . . .	North Grove st.	3,918	
Combina- tion Wagon No. 1 . . .	Ashmont.		
Combina- tion Wagon 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 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 17.
8 . . .	Fort Hill sq.		See Engine 25.
9 . . .	Main st., Charlestown	4,290	Chemical 9 in this building.
10 . . .	Centre st., W.R.		See Engine-house 28.
Ladder 12 and Hose 7	{ Temporary quarters at cor. Hampshire and Culvert sts.		
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. {	23,663	Lock-up in this building.
Fire Dept. H'dquarters,	Bristol st. }		
Fuel-house	Salem st.	417	
Fuel-house	Main st., Charlestown,	2,430	
Engine-house	Centre st., W. Rox.	1,628	
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; six in Roxbury District; six in Dorchester; three in Charlestown; three in West Roxbury; and three in Brighton.

FIRE-BOAT. — One; located India Wharf.

HORSE HOSE CARRIAGES AND WAGONS. — Forty-seven, located as follows, viz.: Fourteen in city proper; four in East Boston; six in South Boston; seven in Roxbury; six in Dorchester; four in Charlestown; three 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; and an Aerial ladder in the city proper.

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

CHEMICAL ENGINES. — Nine in service, self-acting, located as follows: Two in the city proper; one in East Boston; one in Charlestown; one in South Boston; three in 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 fifty-nine.

FUEL-WAGONS. — Thirty-seven, 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. — Sixteen engineers' (fourteen in service and two in reserve) and two commissioners' buggies.

PUNGS. — Forty-five; forty for carrying hose, two for jobbing, and three for fire-alarm branch. Engineers' sleighs, six. Commissioners' sleighs, two.

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

HOSE. — About 90,000 feet of leading, and 1,000 feet of suction.

SPARE APPARATUS. — Eight steam fire-engines and six hose-carriages, five hook-and-ladder carriages and two chemical engines, one hose-pung, one salt-pung, two hose-wagons, three engineers' wagons, and one combination wagon.

RESERVOIRS. — Two hundred and thirty-eight, of which thirteen are located at East Boston; eighteen at South Boston; forty-one in Roxbury; eleven in Dorchester; thirty-eight in Charlestown; nineteen in West Roxbury; three 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 engine-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 26 by 26-inch iron planer, 12-ft. bed, 8-ft. table; one patent gooseneck 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 new upright tubular boilers, 100-horse power.

Two new dynamos for lighting and fire-alarm; one new 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, 6,556, viz.: in the city proper, 1,524; in South Boston, 592; in East Boston, 401; in Roxbury, 1,047; in Dorchester, 1,806; in West Roxbury, 850; in Brighton, 449; in Charlestown, 339; on Deer Island, 17; on Long Island, 6; on Thompson's Island, 2; and on Rainsford Island, 1. The hydrants are located at a distance of 250 to 300 feet from each other.

TELEGRAPHIC FIRE-ALARM.

Magnetic Fire-Alarm Apparatus, the whole cost of which is about \$171,000; working lines of wire, about 715 miles; signal-boxes in use, 568; striking machines, 23; gongs, 132; box gongs, 72; tappers, 10; vibrators, 4; local registers in department houses, 44; one electric watch clock; one repeating three-dial and one four-dial machine for striking signals; one magneto-

electric machine; relays, 74; eighteen-pen registers, 2; office-bells, 7; telegraph keys, in use, 36; main circuit annunciators, 36; local do., 36; fuse-boards for protecting circuits, 2; 1 switch-board; 1 plug switch-board; 50 galvanometers; 2 portable rheotropes; 1 fire-apparatus covering map; 1 typewriter; 1 chronometer; 1 telephone switch-board at headquarters; 1 copying-press; 2 volt-meters; 1 mil-am-meter; 1 safe; 1 set telegraphic apparatus in inspector's house; 9 sets telegraphic apparatus in assistants' houses; 1,856 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; 21 spare battery cups; 50 spare porous cups; 900 lbs. sulphate of copper; 300 lbs. zinc; brackets; wire; insulators, etc.; office furniture, bedsteads, bedding, and sundry articles.

BELLS OWNED BY THE CITY.

Location.	Material.	Weight in lbs.
<i>City Proper.</i>		
Faneuil Hall.....	Steel.	5,816
Quincy School-house, Tyler Street.....	Composition.	2,941
Wells School-house, Blossom Street.....	"	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
<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>		
Chemical Engine-house No. 4, Roslindale.....	Composition.	1,059
Engine-house No. 28, Centre Street.....	"	4,000
Engine-house No. 30, Mt. Vernon Street	Steel.	1,000
<i>Brighton.</i>		
Engine-house No. 29, Chestnut Hill Avenue	Steel.	1,535
Engine-house No. 34, Western Avenue.....	Composition.	1,501

AT FIRE-ALARM REPAIR-SHOP.

Bell formerly used on Phillips School-house, composition, 900 lbs.; 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; one whistle machine.

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.

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. — Wintrop-street Church; Metropolitan 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.

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, Edwin U. Curtis; Fire Commissioners Robert G. Fitch, George H. Innis, and Henry S. Russell, — now constitute the Board of Trustees; Edwin U. Curtis, Mayor, President; Geo. H. Innis, Treasurer; Michael J. Lafferty, Secretary.

The following was the condition of the fund January 31, 1895:

One City of Boston Three and one-half per cent. Bond	.	.	.	.	\$8,000 00
Eleven City of Boston Four per cent. Bonds	.	.	.	.	88,000 00
One " " Five " Bond	.	.	.	.	8,000 00
Cash on hand	.	.	.	.	3,543 81
Total	.	.	.	.	<u>\$107,543 81</u>