

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 NINE MONTHS ENDING
JAN. 31, 1892.

MAY 1, 1891, TO JANUARY 31, 1892.
(BOTH INCLUDED.)

CITY DOCUMENT NO. 5.



BOSTON:
ROCKWELL AND CHURCHILL, CITY PRINTERS.
1892.

CITY INCOME.

Fire Department.

Licenses to sell powder,	\$571 00	
Rents of tenements in engine-houses,	245 86	
Sale of old material,	87 49	
Services of engines,	15 00	
	<hr/>	919 35

CITY PAYMENTS.

Fire Department.

Payments for this department, including inside repairs on houses :

Salaries to Jan. 28, 1892, inclusive :

Commissioners —

Robert G. Fitch, \$2,684 80

John R. Murphy, 2,684 80

George H. Innis, 2,684 80

Frederick W. Smith, Jr., Clerk, 1,841 20

L. P. Webber, Chief Engineer, 2,684 80

District Chiefs and Inspectors, 16,921 43

Call Engineers, enginemen, assist-

ant enginemen, and drivers, and

officers and members of the

various engine, hook-and-ladder,

and hose companies, 493,451 17

Clerks in office, 4,496 05

Carried forward,

\$527,449 05

\$6,457,211 34

Brought forward,

\$527,449 05

\$6,457,211 34

Pensioners, 10,360 42

Extra service men, 305 95

\$538,115 42

Horses :

Hay, grain, and straw, \$16,964 98

Purchase and exchange of, 8,325 00

Shoeing, 5,508 52

Harnesses and repairs, 3,089 81

Medical attendance and medicine, 361 47

Horse-hire, 183 00

34,432 78

Repairs of apparatus, including
stock sent to repair-shop :

Mechanics, \$15,695 19

Materials, 12,594 14

28,289 33

New apparatus :			
Four engines,	\$10,071 50		
Seven wagons,	2,010 00		
Three hose-wagons,	1,320 00		
Thirty Pompier ladders,	915 00		
Five Paragon heaters,	550 00		
Twenty-four Pompier belts,	345 00		
Twelve extinguishers,	324 00		
Buggy,	275 00		
Five door-openers,	100 77		
Three horse pole,	75 00		
		15,986 27	
Fuel for houses and engines,		10,851 88	
Furniture and bedding,	\$4,157 80		
Washing,	3,211 81		
		7,369 61	
Gas,		6,166 92	
Hose and repairs,		5,268 10	
Oils and fluids, tools, and supplies,		3,558 31	
Repairs of houses,		2,742 72	
Rents,		2,044 97	
Water-rates,		1,464 74	
Printing,		1,075 80	
Damages,		585 90	
Watering streets,		485 60	
Stationery,		442 59	
Electric lighting,		441 70	
Hats, badges, and buttons,		435 26	
Ice,		410 34	
Expenses of detailed men,		292 22	
Chemicals,		270 64	
Instructor of bugle,		214 00	
Advertising,		78 74	
Freights,		25 83	
Refreshments for men at fires,		15 15	
Travelling expenses of Commission,		645 20	
Hydrants and reservoirs : for use of water at fires,		74,979 00	
FIRE-ALARM TELEGRAPH AND INSPECTION OF WIRES. (See page 59).			
Salaries : Brown S.			
Flanders, Super-			
intendent, from			
Oct. 23, 1891,	\$864 80		
Operators, repairers,			
etc.,	20,806 94		
		\$21,171 74	
<i>Carried forward,</i>	\$21,171 74	\$736,689 02	\$6,457,211 34
<i>Brought forward,</i>	\$21,171 74	\$736,689 02	\$6,457,211 34
Instruments, tools and repairs,	2,561 08		
Wire,	622 60		
Car-fares and travelling ex-			
penses,	169 59		
Repairs,	384 92		
Repairs of clocks,	238 03		
Chemicals,	431 43		
Electric light for clocks,	171 20		
Tower clock, Baker Memorial			
Church, Dorchester,	583 00		
Maps and stationery,	479 98		
Horse-keeping,	289 25		
Telephone rentals,	115 00		
Rent,	60 00		
Cartage and freights,	45 90		
Printing,	32 05		
Furnishings,	10 00		
Fuel,	9 70		
		27,375 47	
		\$764,064 49	
FIRE DEPARTMENT EQUIPMENT.			
Engine,		\$2,824 50	
RECAPITULATION.			
Fire Department,		\$764,064 49	
\$18.88 of this amount drawn for but not paid.			
Fire Department equipment,		2,824 50	
			766.888 99

Inspector of Wires Department.

(See Fire Department.)

Salaries :

Brown S. Flanders, Inspector, to

Oct. 23, 1891,

\$1,745 12

Assistants,

8,910 49

\$10,655 61

Horse, buggy, wagon, feed and care of horses,

1,091 57

Instruments, tools, and repairs,

902 40

Repairs and alterations,

485 83

Stationery,

220 96

Car-fares,

114 04

Advertising,

99 15

Printing,

67 54

Rent,

60 00

Cartage,

43 85

Wire,

25 83

Damages,

16 45

Washing,

12 00

13.795 23

PUBLIC BUILDINGS DEPARTMENT.

ENGINE-HOUSE No. 8, REPAIRS.

Masonry,

\$987 00

Lumber,

127 22

Whitening. etc.,

125 00

Heating-apparatus,

68 45

Carpentry,

51 88

Iron-work,

26 94

Fire-proofing,

25 00

Blocks, etc.,

7 50

\$1,418 99

FIRE DEPARTMENT BUILDING AND SITE, BRIGHTON.

(Total cost of building, \$25,342.37.)

Balance of payments.

Contractors, R. R. Mayers & Co.,

\$16,704 24

Grading,

1,410 00

Snow-guards,

340 00

Sheathing ceiling,

80 00

Watchman,

86 00

Inspector,

24 00

\$18,594 24

FIRE DEPARTMENT BUILDING AND SITE, EGLESTON SQUARE.

(Total cost of building, \$20,221.90.)

Balance of payments.

Contractors, Sampson, Clark, & Co.,

\$19,081 88

Asphalt in trough,

85 00

Iron-work,

15 00

\$19,181 88

FIRE DEPARTMENT BUILDING AND SITE, SOUTH BOSTON.

Continuation of payments.

Contractors, McNeil Brothers,

\$10,000 00

Borings,

75 84

Printing,

38 59

Advertising,

6 75

\$10,121 18

FIRE DEPARTMENT HEADQUARTERS, ETC.

Site, Bristol street,

\$6,232 00

Taxes,

49 14

Travelling expenses of Architect to New York,

29 95

\$6,811 09

Carried forward,

\$9,978,950 37

Brought forward,

\$9,978,950 37

HOSE-HOUSE No. 7, REPAIRS.

Advertising,

\$5 25

DEPARTMENT EXPENSES.

Fire Department and Fire-Alarm Telegraph.
Exclusive of repairs on buildings.

Year.	Amount.	Apparatus in service.				Men.
		¹ S.E.	H.C.	C.E.	H.&L	
1882-83	\$585,156 93	29	11	7	12	658
1883-84	632,670 10	32	10	6	13	694
1884-85	692,577 81	32	10	6	14	686
1885-86	690,524 57	32	10	6	14	687
1886-87	705,443 03	32	10	7	14	689
1887-88	766,640 51	33	9	8	15	690
1888-89	847,520 61	34	8	9	16	738
1889-90	854,799 38	34	9	10	16	757
1890-91	^s 985,248 53	38	8	10	16	774
Nine months ending Jan. 31, 1892.....	777,941 50	40	6	10	17	763

CITY PROPERTY.

FIRE DEPARTMENT.

The following property is in 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.....	Cor. of O and Fourth streets..	4,000	Ladder No. 3 in this building. Chemical Engine No. 1, Lancers' Armory and water tower in this building.
3.....	Bristol st. and Harrison ave...	4,000	
4.....	Bulfinch street.....	6,098	
5.....	Marion st., E.B.....	1,647	Reconstructed, 1890-91.
6.....	Leverett street.....	.....
7.....	East street.....	1,893	
8.....	Salem street.....	2,568	
9.....	Paris street, E.B.....	4,000	Remodelled, 1870.
10.....	River street.....	1,886	
12.....	Dudley street.....	7,161	
13.....	Cabot street.....	4,305	
14.....	Centre street.....	5,627	Ladder No. 6 in this building.
15.....	Dorchester avenue, S.B.....	2,843	
16.....	River street, Dorchester.....	12,738	
17.....	Meeting-house Hill, Dorches- ter.....	.....
18.....	Harvard street, Dorchester...	10,225	Ladder-house No. 7 on this lot.
19.....	Norfolk street, ".....	7,683	
20.....	Walnut street, ".....	9,000	
21.....	Boston street, ".....	9,355	
22.....	Dartmouth street.....	4,463	Ladder No. 8 and Ladder 14 in this building.
23.....	Northampton street.....	3,445	
24.....	Cor. Warren and Quincy sts...	4,186	
25.....	Fort Hill square.....	4,175	
26.....	Mason street.....	6,385	Engine No. 35 in this building.
27.....	Elm street, Charlestown.....	2,600	
28.....	Centre street, W. Roxbury...	10,377	
29.....	Chestnut Hill ave., Brighton..	14,356	
30.....	Mt. Vernon street, West Rox- bury.....	16,275	Built, 1883-84. Ladder No. 15 in this building.
32.....	Bunker Hill street.....	8,000	
33.....	Cor. Boylston and Hereford sts.,	5,646	
34.....	Western ave., Brighton.....	4,636	
36.....	Monument street.....	5,668	Occupied by Chemical Eng. No. 3.
37.....	Cor. Longwood and Brookline avenues.....	5,400	
38-39...	Congress street, S.B.....	.....
40.....	Sumner street, E.B.....	4,010	
	CHEMICAL ENGINE-HOUSES.		
No. 2.....	Church street.....	3,412	Ladder No. 16 in this building.
4.....	Popular st., cor. Washington, West Roxbury.....	14,729	
5.....	Washington street, between Atherton and Beethoven....	3,848	
6.....	Harvard ave., near Cambridge street, Brighton.....	6,112	
7.....	Chelsea street.....	1,346	See Ladder-house 9.
8.....	B street.....	1,804	
9.....	Main street.....	.....
10.....	Eustis street.....	700	
11.....	Saratoga and Byron streets....	10,000	

HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3.....	Winthrop street.....	3,000	Armory in building.
5.....	Shawmut avenue.....	889	Ladder No. 12 in this building.
7.....	Tremont street.....	4,350	
8.....	North Grove street.....	3,918	
10.....	Washington Village.....	1,610	Remodelled, 1870.
12.....	Fourth street.....	3,101	

HOOK-AND-LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1.....	Friend street.....	1,676	
2.....	Paris street, E. B.		See Engine-house 9.
3.....	Harrison avenue		See Engine 3.
4.....	Dudley street.....	3,923	
5.....	Fourth street.....	2,469	
6.....	River street, Dor.		See Engine-house 16.
7.....	Meeting-house Hill.....		See Engine 17.
8.....	Fort Hill square		See Engine Co. 25.
9.....	Main street, Charlestown.....	2,436	Chemical 9 in this building.
10.....	Centre street, W. R.		See Engine-house 28.
13.....	Washington, near Dover street,	1,007	
14.....	Fort-hill square		See Engine-house 25.
15.....	Boylston, cor. Hereford street,		Engine 33 in this building.
16.....	Roslindale		See Chemical Engine 4.
17.....	Harrison avenue	2,134	

MISCELLANEOUS.

	Location.	No. of feet in lot.	Remarks.
Repair-shop.....	Albany street.....	20,547	Lock-up in this building.
Stable and store-house..	Bristol street.....		
Fuel-house	Salem street	417	
Fuel-house.....	Main street.....	2,430	
Engine-house	Centre street.....	1,628	

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

FIRE-BOAT. — One; located India wharf.

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

HOOK-AND-LADDER CARRIAGES. — Seventeen in service, located as follows, viz.: seven in city proper, including four extension-ladder trucks; 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.

CHEMICAL ENGINES. — Ten 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; 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 thirteen.

FUEL-WAGONS. — Thirty-five, 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. — Eighteen engineers' (fifteen in service and three in reserve) and two commissioners' buggies.

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

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

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

SPARE APPARATUS. — Ten steam fire-engines, and three new engines; and one small hose-jumper at Deer Island, and 700 feet of rubber and cotton hose. Eight hose-carriages. Four hook-and-ladder carriages, and 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; 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 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.

HYDRANTS. — For supplying water in cases of fire, 5,932, viz.: in the city proper, 1,454; in South Boston, 579; in East Boston, 373; in Roxbury, 977; in Dorchester, 1,130; in West Roxbury, 697; in Brighton, 412; in Charlestown, 289; and 21 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 \$135,000, working lines of wire, about 490 miles; signal-boxes in use, 545; striking-machines, 35; whistle machine, 1; gongs, 117; box gongs, 65; tappers, 9; vibrators, 4; local registers in department houses, 41; 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, 7; telegraph keys in use, 36; telephones in use, 70; long-distance telephones, 10; 2 switch-boards; 37 galvanometers; 2 portable rheotropes; 1 chronometer; 1 telephone switch-board at headquarters; 1 do. in chief's office; 1 set telegraphic apparatus in Superintendent's house; 8 sets telegraphic apparatus in assistants' house; 1 repeating instrument from Charlestown, not in use; 1,760 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; 329 spare porous cups; 2,000 lbs. sulphate of copper; 150 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>		
Dean School-house, Wall Street	Composition.	712
Everett School-house, Northampton Street	"	1,501
Faneuil Hall.....	Steel.	5,816
Phillips School-house, Anderson Street, cor. Pinckney Street,	Composition.	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
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.	2,965
<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>		
Walpole-street 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.	1,200
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. 20, 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; Trinity Church.

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

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, Nathan Matthews, Jr.; Fire Commissioners Robert G. Fitch, John R. Murphy, and George H. Innis, — now constitute the Board of Trustees. Nathan Matthews, Jr., Mayor, President; John R. Murphy, Treasurer; Frederick W. Smith, Jr., Clerk.

The following was the condition of the fund Jan. 31, 1892:

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 ¹	.	.	.	.	568 79
					<hr/>
					\$104,568 79