

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
1882-83.
(No. 71 OF THE SERIES.)

MAY 1, 1882, TO APRIL 30, 1883.
(BOTH INCLUDED.)

CITY DOCUMENT NO. 94.

BOSTON:
ROCKWELL AND CHURCHILL, CITY PRINTERS,
NO. 39 ARCH STREET.
1883.

Statement of Service-Pipes laid in 1882-83.

	DIAMETER OF PIPES IN INCHES.						Aggregate.
	2	1 1-2	1 1-4	1	3-4	5-8	
Number of pipes laid	2	7	1	25	10	849	894
Length in feet	36	181	19	597	384	24,159	25,376
Making a total up to May 1, 1883							48,160

Statements of Hydrants during the Year ending April 30, 1883.

Established —		Abandoned —	
Boston Lowry,	22	Boston Lowry,	2
Post,	34	Post,	1
Lowry,	38	Lowry,	4
Boston,	28	Boston,	52
Total,	<u>122</u>	Total,	<u>59</u>
Total number of Hydrants to May 1, 1883,		4,342	

CITY INCOME.

Fire Department.

Rents of tenements in engine-houses,	\$1,202 57	
Sale of manure,	582 00	
“ hose,	184 65	
“ old material,	118 04	
Loan of hose,	5 00	
		2,092 26

Per items Nos. 33 and 130 of Collectors' accounts.

Fire-Alarm Telegraph.

Sale of wire and old material,	22 11
<i>Per items Nos. 32 and 129 of Collectors' accounts.</i>	

CITY PAYMENTS.

Fire Department.

Payments for this department, including inside repairs on houses, exclusive of the Fire-Alarm System, viz.: —

Salaries: —

John E. Fitzgerald, Com.,		
paid to April 1, 1883,	\$2,750 00	
Henry W. Longley, Com.,	3,000 00	
Edward A. White, do.,	3,000 00	
Frederick W. Smith, Jr.,		
clerk,	1,900 00	
Wm. A. Green, Chief		
Engineer,	3,000 00	
District Engineers and		
Inspector,	16,336 31	
Carried forward,	\$29,986 31	\$3,148,370 77

Brought forward,	\$118 75	\$3,148,370 77
N. Samuel,	12 00	
Waitt & Bond,	7 50	

FIRE DEPARTMENT.

107

\$1,335 04 \$380,413 90 \$3,148,370 77

	.1		
	.04		
	7 68		
	101 18		
	130 99		
	179 69		
	160 65		
ce,	127 38		
son,	64 72		
alties,	355 17		
	<u>3,713 02</u>		
esses and repairs : —			
way, Kimball, &			
Loring,	\$713 26		
Repair-shop,	460 00		
James Boyd &			
Sons,	295 65		
W. H. Bustin,	42 00		
Sundry parties,	193 69		
	<u>1,704 60</u>		
Horse-hire : —			
Owen Nawn,	\$386 00		
W. F. Bowler			
& Co.,	237 00		
Sundry parties,	34 00		
	<u>657 00</u>		
Medical attendance and			
medicine,	182 45		
	<u>30,592 11</u>		
Hose and repairs : —			
American Fire-Hose Manufacturing			
Co.,	\$4,196 39		
James Boyd & Sons,	4,100 00		
Boston Belting Co.,	2,986 54		
Repair-shop,	524 46		
A. J. Morse & Son,	17 74		
	<u>11,825 13</u>		
Repairs of apparatus, including stock			
sent to repair-shop : —			
Mechanics,	\$8,103 87		
C. Richardson & Co.,	478 10		
Whittier Machine Co.,	394 34		
	<u>\$8,976 31</u>		
Carried forward,	\$8,976 31	\$422,831 14	\$3,148,370 77

<i>Brought forward,</i>	\$29,986 31		\$3,148,370 77
Call Engineers, engine- men, assistant engine- men and drivers, and officers and members of the various engine, hook and ladder, and hose companies,	339,972 67		
Clerks in office,	2,275 00		
Extra service men,	8,179 92		
		\$380.413 90	
Horses : —			
Hay, grain, and straw :			
Plumer & Co.,	\$10,867 59		
Hathaway & Woods,	4,828 29		
J. F. Lamson,	1,217 30		
Hooper & Co.,	947 57		
Randlet & Knowles,	557 72		
George S. Jackson,	520 80		
S. M. Grant,	337 94		
Sundry parties,	17 83		
		\$19,295 04	
Purchase of : —			
W. F. Bowler & Co.,	\$1,790 00		
Owen Nawn,	1,500 00		
Emerson & Porter,	1,150 00		
L. E. Hartshorn,	600 00		
		5,040 00	
Shoeing : —			
William Brock,	\$338 65		
Michael Collins,	90 62		
M. W. Costello,	64 74		
Luke Coyne,	94 86		
Henry Crane,	94 86		
Curry & Wood- bury,	239 85		
John E. Curry,	198 66		
E. Doherty,	261 68		
A. W. Hamilton,	149 47		
Wm. Killion,	87 22		
D. A. McClos- key,	132 30		
Daniel McCor- mack,	97 13		
James F. Mc- Intosh,	64 43		
<i>Car'd for'd,</i>	\$1,914 47	\$24,335 04	\$380,413 90
			\$3,148,370 77

<i>Bro't for'd,</i>	\$1,914 47	\$24,335 04	\$380,413 90	\$3,148,370 77
H. McNamara,	186 70			
Geo. L. Mitchell,	66 18			
J. J. Morris,	74 06			
O'Neil & Moley,	56 31			
Wm. R. Priest,	107 04			
A. Ramsay,	137 68			
John Roach,	151 18			
John L. Stuart,	130 99			
John Thomas,	179 69			
Very & Co.,	160 65			
Charles White,	127 38			
James Wilson,	64 72			
Sundry parties,	355 17			
	<hr/>	3,713 02		
Harnesses and repairs : —				
Orlway, Kimball, & Loring,	\$713 26			
Repair-shop,	460 00			
James Boyd & Sons,	295 65			
W. H. Bustin,	42 00			
Sundry parties,	193 69			
	<hr/>	1,704 60		
Horse-hire : —				
Owen Nawn,	\$386 00			
W. F. Bowler & Co.,	237 00			
Sundry parties,	34 00			
	<hr/>	657 00		
Medical attendance and medicine,	182 45			
	<hr/>		30,592 11	
Hose and repairs : —				
American Fire-Hose Manufacturing Co.,	\$4,196 39			
James Boyd & Sons,	4,100 00			
Boston Belting Co.,	2,986 54			
Repair-shop,	524 46			
A. J. Morse & Son,	17 74			
	<hr/>		11,825 13	
Repairs of apparatus. including stock sent to repair-shop : —				
Mechanics,	\$8,103 87			
C. Richardson & Co.,	478 10			
Whittier Machine Co.,	394 34			
	<hr/>			
<i>Carried forward,</i>	\$8,976 31	\$422,831 14	\$3,148,370 77	

<i>Brought forward,</i>	\$8,976 31	\$422,831 14	\$3,148,370 77
American Tube Works,	387 56		
Shreve, Crump, & Low Manufacturing Co.,	338 25		
Walworth Manuf'g Co.,	310 13		
Tremont Foundry Co.,	242 33		
Frye, Phipps, & Co.,	195 93		
P. F. McDonald,	183 69		
F. B. Austin & Co.,	182 77		
James P. Ingols & Co.,	168 15		
Farrar, Follett, & Co.,	138 45		
Manchester Locomotive Works,	112 15		
New Haven Wheel Co.,	111 66		
H. J. Winde,	103 11		
Atlantic Works,	102 56		
E. B. Badger & Son,	100 21		
D. D. Kelly & Son,	88 96		
J. L. Drew,	87 00		
Dodge, Gilbert, & Co.,	82 88		
McClure & Field,	79 81		
Scrannage Bros. & Cook,	62 23		
A. J. Wilkinson & Co.,	62 17		
Sundry parties,	632 68		
	<hr/>		
	\$12,748 99		
Less amount transferred to other items,	3,403 37		
	<hr/>	9,345 62	
New apparatus: —			
Water-tower, Abner Greenleaf,	\$3,977 29		
Engine, Manchester Lo- comotive Works,	3,550 00		
Two coal wagons, Ryan Bros.,	\$650 00		
One light wag- on, Ryan Bros.,	350 00		
	<hr/>	1,000 00	
41 hydrant-nozzles, A. J. Morse & Son,	\$307 50		
One monitor nozzle, A. J. Morse & Son,	250 00		
	<hr/>	557 50	
<i>Carried forward,</i>	\$9,084 79	\$432,176 76	\$3,148,370 77

<i>Brought forward,</i>	\$9,084 79	\$432,176 76	\$3,148,370 77
Six Pompier ladders, with three belts, C. Hoell,	235 50		
Buggy, H. M. Brown,	225 00		
Bangor Extension ladder,	150 00		
Ladder sides,	34 25		
		9,729 54	
Fuel for houses,	\$7,045 04		
Fuel for engines,	1,783 71		
		8,828 75	
Gas,		5,307 62	
Furniture and bedding : —			
Needlewoman's Friend Society,	\$246 00		
Boyce Brothers,	207 25		
Tucker Man'fg Co.,	201 60		
O. Lappen & Co.,	201 15		
Taylor, Thomas, & Co.,	187 95		
Clark, Adams, & Clark,	155 25		
Perkins Institution for Blind,	145 80		
Magee Furnace Co.,	111 20		
H. W. Tarbell,	101 21		
Weeks & Potter,	99 00		
Dover Stamping Co.,	65 93		
J. H. S. Fox,	56 80		
Sundry parties,	263 09		
	\$2,042 23		
Washing,	2,468 07		
		4,510 30	
Repairs of houses : —			
Repair-shop, labor, and materials,	\$1,300 44		
Proctor & Drummey,	777 21		
J. F. Paul & Co.,	391 12		
American Tube Works,	312 51		
Gardner & Chandler,	266 36		
Smith & Jacobs,	176 86		
Fulton Iron Foundry Co.,	112 50		
Dalton & Ingersoll,	104 02		
Magee Furnace Co.,	71 64		
Chadwick Lead Works,	66 00		
John McCarthy,	55 00		
McClure & Field,	54 22		
Sundry parties,	294 21		
		3,982 09	
<i>Carried forward,</i>		\$464,535 06	\$3,148,370 77

<i>Brought forward,</i>		\$464,535 06	\$3,148,370 77
Oils and fluids for engines and lanterns, tools, and supplies : —			
Repair shop,	\$538 82		
J. A. Nowell,	273 52		
H. Collin,	172 00		
Sewall & Day Cordage Co.,	169 32		
C. Richardson & Co.,	135 67		
Frye, Phipps & Co.,	127 47		
Thomas Earl,	114 00		
S. P. Blackburn & Co.,	113 66		
O. Lappen & Co.,	96 50		
Rand & Byam,	81 00		
A. J. Wilkinson & Co.,	72 35		
Diamond Match Co.,	64 50		
G. P. Palmer, agent,	62 88		
H. Mayers,	62 50		
W. A. Wood & Co.,	62 50		
Scrannage Bros. & Cook,	60 07		
Downer Kerosene Oil Co.,	56 90		
Sherburne & Co.,	56 40		
Sundry parties,	493 91		
		2,813 97	
Printing,		1,522 66	
Water-rates,		1,405 00	
Hats, badges, and buttons : —			
James Boyd & Sons,	\$500 95		
Charles West,	129 00		
S. O. Aborn,	56 20		
Sundry parties,	31 83		
		717 98	
Chemicals,		524 17	
Rations for boat,		420 00	
Stationery,		416 87	
Expenses of detailed men,		399 77	
Damages,		313 09	
Telephone rentals and repairs,		295 67	
Refreshments for men at fires,		248 00	
Ice,		246 25	
Watering streets,		225 63	
Rents,		95 00	
Repairs on hydrants,		71 33	
Custom house and Inspector's fees,			
fire boat "Wm. M. Flanders,"		40 00	
Removal of night-soil,		30 00	
Freights and small items,		50 68	
<i>Carried forward,</i>		\$474,371 13	\$3,148,370 77

<i>Brought forward,</i>	\$474,371 13	\$3,148,370 77
Hydrants and Reservoirs : — for use of water at fires,	88,800 00	
Expenses in case of Norton vs. City of Boston, for alleged infringement of patent,	1,293 71	
	<hr/>	564,464 84
<i>Per item No. 33 of Treasurer's account,</i>	\$564,461 59	
<i>Add amount drawn by Auditor, but not paid,</i>	3 25	
	<hr/>	
	<u>\$564,464 84</u>	

Fire-Alarm Telegraph.***Payments for carrying on the Telegraph System of
Fire Alarms.***

Salaries : — Brown S. Flanders, Su- perintendent,	\$2,300 00	
Operators and repairers,	14,510 35	
	<hr/>	\$16,810 35

Repairs and alterations : — Fire Department Repair- shop,	\$1,250 14	
Proctor & Drummey,	283 52	
Frye, Phipps, & Co.,	124 14	
J. J. McNutt,	70 23	
J. F. Paul & Co.,	64 42	
C. Richardson & Co.,	39 84	
O. Bearse & Son,	39 79	
Sundry parties,	71 28	
	<hr/>	1,943 36

Instruments and repairs : — Charles Williams, Jr.,	\$695 30	
Edwin Rogers,	287 50	
Serson Kauffer Battery Co.,	281 25	
L. G. Tillotson & Co.,	73 00	
Charles L. Bly,	61 06	
Sundry parties,	52 00	
	<hr/>	1,452 11

Wire : — Farrar, Follett, & Co.,	\$669 70	
L. G. Tillotson & Co.,	542 25	
Stearns & George,	131 50	
Sundry parties,	73 82	
	<hr/>	1,417 27

Chemicals : — Salem Laboratory Co.,	\$928 71	
Carter, Harris, & Hawley,	32 46	
	<hr/>	961 17

<i>Carried forward,</i>	<hr/>	<hr/>
	\$22,584 26	\$3,712,835 61

<i>Brought forward,</i>		\$22,584 26	\$3,712,835 61
<i>Tools, hardware, and general supplies: —</i>			
Frye, Phipps, & Co.,	\$330 30		
Jerome Redding & Co.,	62 50		
Sundry parties,	111 03		
		503 83	
Car-fares and tolls,		224 58	
Poles,		200 00	
Damages,		164 93	
Printing,		134 64	
Shoeing horses,		104 62	
Washing,		29 96	
Stationery,		20 75	
<i>Total, as per item No. 34 of Treasurer's account,</i>			23,967 57

Bells and Clocks.

<i>Payments as follows: —</i>			
Harvard University, for furnishing correct time,	\$400 00		
Gas for and care of illuminated clock, Williams Market,	100 00		
Repairs,	107 72		
Care of clocks and use of bells in West Roxbury and Brighton Districts,	85 11		
Gas for clock, Dudley street,	13 78		
<i>Total, as per item No. 35 of Treasurer's account,</i>			706 61

Engine-House, Bunker Hill Street.

Payment for a site for an engine-house on Bunker Hill street, Charlestown,	8,590 00
<i>Per item No. 67 of Treasurer's account.</i>	

DEPARTMENT EXPENSES.

Fire Department, Exclusive of repairs on buildings.							Fire Alarm Departm't.
Year.	Amount.	Apparatus in service, including Fire-boat, since 1872-73.				Men.	Amount.
		S.E.	H.C.	C. E.	H.& L.		
1863-64	\$109,834 66	10	9	..	3	266	\$11,921 78
1864-65	135,730 65	10	9	..	3	267	12,299 74
1865-66	137,551 92	11	9	..	3	280	17,070 73
1866-67	151,624 63	11	9	..	3	281	26,119 18
1867-68	180,218 46	14	13	..	4	281	23,998 67
1868-69	229,047 43	14	13	..	4	358	140,741 91
1869-70	286,275 29	21	15	..	7	389	24,837 67
1870-71	333,891 00	21	14	..	7	446	51,964 00
1871-72	399,249 63	21	17	..	7	472	42,763 89
1872-73	605,310 90	22	16	..	7	475	40,607 00
1873-74	591,640 27	28	13	1	11	650	51,092 49
1874-75	591,848 35	29	12	5	11	650	35,258 25
1875-76	564,275 49	29	11	5	11	663	21,497 61
1876-77	560,052 76	29	11	7	11	660	30,267 97
1877-78	550,116 19	29	11	7	11	630	20,627 38
1878-79	545,838 45	29	11	7	11	620	19,427 11
1879-80	545,251 40	29	11	7	11	620	18,959 33
1880-81	573,355 77	29	11	7	12	630	22,527 59
1881-82	540,408 90	29	11	7	12	651	22,411 47
1882-83	560,462 75	29	11	7	12	658	24,674 18

In addition to the above there is an Aerial Ladder and Water Tower in Service.

Year.	Repairs Fire Department Buildings.	Erection Fire Department Buildings.
	Amount.	Amount.
1863-64 . . .	\$4,095 94	\$773 83
1864-65 . . .	7,146 92	4,600 00
1865-66 . . .	9,441 46	28,053 29
1866-67 . . .	8,135 16	2,000 00
1867-68 . . .	26,237 40	20,601 36
1868-69 . . .	14,963 60	7,545 97
1869-70 . . .	33,445 68	53,790 77
1870-71 . . .	32,652 21	19,608 84
1871-72 . . .	26,829 98	59,230 95
1872-73 . . .	16,024 35	72,567 95
1873-74 . . .	28,778 37	151,801 58
1874-75 . . .	14,099 45	105,167 80
1875-76 . . .	6,668 43	34,862 18
1876-77 . . .	5,523 44	8,950 21
1877-78 . . .	4,943 25	568 37
1878-79 . . .	3,946 82
1879-80 . . .	5,418 10
1880-81 . . .	8,532 23
1881-82 . . .	11,217 09
1882-83 . . .	15,509 67

CITY PROPERTY.

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	H. & L. No. 3 in this building. Chemical Engine No. 1 and Lan- cers' Armory in this building.
3 . . .	Bristol st. and Harrison ave.	4,000	
4 . . .	Bulfinch street	6,098	
5 . . .	Marion street, E.B.	1,647	
6 . . .	Wall street	1,372	
7 . . .	East street	1,893	Remodelled, 1870. Hook & Ladder No. 2 in this building. Formerly occupied by H. & L. Co. 4. Remodelled, 1870.
8 . . .	Salem street	2,568	
9 . . .	Paris street, E.B.	4,000	
10 . . .	Riverstreet	1,886	
11 . . .	Sumner street, E.B.	4,010	
12 . . .	Dudley street	7,161	
13 . . .	Cabot street	4,305	
14 . . .	Centre street	5,627	
15 . . .	Dorchester avenue	2,843	
16 . . .	River st., Dorchester Dist. .	12,736	
17 . . .	Meeting-House Hill "	Hook & Lad'r No. 6 in this building. Old Engine-house on this lot. See Mather School-house.
18 . . .	Harvard street "	10,225	H. & L. No. 8 in this building.
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	
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.
	Poplar st., cor. Washington st., West Roxbury	14,729	Occupied by Chemical Eng. No. 4.
	Washington street, between Atherton and Beethoven .	3,848	Occupied by Chemical Eng. No. 5.
	Harvard ave., near Cam- bridge st., Brighton Dist. .	6,112	Occupied by Chemical Eng. No. 6.
	Mt. Vernon street West Roxbury Dist.	16,275	Occupied by Chemical Eng. No 7.
	Centre st., near Highland sta- tion, West Roxbury Dist. .	1,682	

HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 2 . . .	Main st., Charlestown Dist. .	1,592	
3 . . .	Winthrop street	5,230	Armory in building.
4 . . .	Bunker Hill street, cor. Tufts st., Charlestown Dist.		See Bunker Hill st. School-house.
5 . . .	Shawmut avenue	880	
6 . . .	Chelsea street	1,346	
7 . . .	Tremont street	4,350	H. & L. No. 12 in this building.
8 . . .	North Grove street	3,918	
9 . . .	B street	1,804	
10 . . .	Washington Village	1,610	
12 . . .	Fourth street	3,101	Remodelled, 1870.
	Cor. Longwood and Brook- line avenues	5,400	Occupied by Chemical Eng. No. 3.
	Church street	3,412	Ward-room No. 11 in this building. Chem. Eng. No. 2 in this building.

HOOK AND LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Friend street	1,676	
4 . . .	Dudley street, cor. Winslow	3,923	Formerly occupied by Engine 12.
	Eustis street	760	
5 . . .	Fourth street	2,400	
7 . . .	Meeting-House Hill		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. 8. Now used as a repair-shop.

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

Fuel-House, Washington street, near Dover, 1,007 feet of land, occupied by the Aerial Ladder Co.

STEAM FIRE-ENGINES. — Twenty-nine, located as follows: nine in city proper; three in East Boston; three in South Boston; five in Roxbury District; six in Dorchester District; and one each in Charlestown, West Roxbury, and Brighton Districts.

FIRE-BOAT. — One, located India Wharf.

HORSE HOSE CARRIAGES. — Thirty, located as follows, viz.: twelve in city proper; two in East Boston; three in South Boston; four in Roxbury District; two in Dorchester District; five in Charlestown District; one in West Roxbury District; and one in Brighton District; seventeen of which are located in engine-houses.

HOOK AND LADDER CARRIAGES. — Twelve, located as follows, viz.: three 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; Aerial Ladder in the city proper.

CHEMICAL ENGINES. — Seven, self-acting, located as follows: two in the city proper; one in Roxbury District; three 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 forty-seven.

FUEL-WAGONS. — One fuel-wagon kept at the old Hose-house on Salem street; one at Engine-house No. 25, Fort Hill square; one at Engine-house No. 11, on Sumner street, East Boston; one at Engine-house No. 13, Cabot street, Roxbury District; one at Engine-house No. 16, Lower Mills, Dorchester District; one at Engine-house No. 21, Upham's Corner, Dorchester District; one at coal depot No. 2, Washington, near Dover street; one at Hook and Ladder house No. 5, South Boston; one at Engine-house No. 19, Mattapan, Dorchester District, one at Engine-house No. 20, Neponset, Dorchester District; one at Engine-house No. 4, Bulfinch street; one at Engine-house No. 23, Northampton street; one at Engine-house No. 18, Harvard street, Dorchester District; one at Engine-house No. 24, Warren street, Roxbury District; one at Engine-house No. 27, Charlestown District; one at Engine-house No. 28, West Roxbury District; one at Engine-house No. 10, and one at Engine-house No. 26, 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), one commissioners' buggy.

PUMPS. — 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 Skinner Ladder Truck, with four ladders, one Aerial ladder, and seven patent Bangor ladders.

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

SPARE APPARATUS. — Three Steam Fire-Engines, known as relief A, B, and C, 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.

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, 320 ; Striking Machines, 52 ; Gongs, 101 ; Tappers, 66 ; 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, 18 ; Eighteen-Pen Register, 1 ; Office Bells in use, 3 ; Telegraph Keys in use, 19 ; Dial Instruments, 16, not in use ; 46 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 ; 1,086 battery-cups in use at Central office ; 15 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 ; 145 spare battery cups ; 1,316 lbs. sulphate of copper ; 569 lbs. zinc ; 200 old battery-coppers ; 500 wooden hangers ; brackets, 155 Brass clamps, wire, insulators, etc., office furniture, bedsteads, bedding, and sundry other articles.

BELLS.

Adams School-house, Sumner street, East Boston, steel, 2,995 lbs.
Boylston Market, corner Washington and Boylston streets, composition, 529 lbs.

Boylston School-house, Washington, near Dover street, composition, 818 lbs.

Bunker Hill School-house, Charlestown, 2,009 lbs.

Castle-street Church, corner Washington and Motte streets, composition, 1,760 lbs.

Chapman School-house, Eutaw street, East Boston, steel, 3,109½ lbs.

Chemical Engine-House No. 4, West Roxbury, 400 lbs.

Chemical Engine-House No. 5, West Roxbury.

Chemical Engine-House No. 6, Allston, composition, about 400 lbs.
Chemical Engine-House No. 7, West Roxbury, 300 lbs.
City Hall, Charlestown, composition, 3,600 lbs.
Dean School-house, Wall street, composition, 712 lbs.
Engine-House No. 1, Dorchester street, South Boston, composition, 2,911 lbs.
Engine-House No. 2, composition, 800 lbs.
Engine-House No. 11, Orleans street, East Boston, composition, 817 lbs.
Engine-House No. 12, Dudley street, Boston Highlands, composition, 3,509 lbs.
Engine-House No. 16, Temple street, Dorchester, composition, 4,149 lbs.
Engine-House No. 17, Meeting-House Hill, Dorchester, composition, 4,000 lbs.
Engine-House No. 18, Harvard street, Dorchester, composition, 3,184 lbs.
Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs.
Engine-House No. 20, Walnut street, Dorchester, composition, 3,061 lbs.
Engine-House No. 21, Boston street, Dorchester, composition, 3,026 lbs.
Engine-House No. 28, Centre street, West Roxbury, composition, 4,000 lbs.
Engine-House No. 29, Brighton, steel, 1,535 lbs.
Everett School-house, Northampton street, composition, 1,501 lbs.
Faneuil Hall, steel, 5,816 lbs.
Franklin-place School-house, corner Tremont street and Franklin place, Boston Highlands, composition, 2,958 lbs.
Fire Department, repair-shop, corner Harrison avenue and Wareham street, steel, 1,000 lbs.
George-street School-house, Boston Highlands, composition, 4,160 lbs.
Hancock School-house, Parmenter street, composition 4,090 lbs.
Lawrence School-house, B street, South Boston, steel, 3,400 lbs.
Lewis School-house, Dale street, Boston Highlands, composition, 3,104 lbs.
Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.
Old South Church, composition, 1,200 lbs.
Phillips School-house, Anderson, corner of Pinckney street, composition, 900 lbs.
Princeton-street School-house, East Boston, composition, 2,470 lbs.
Quincy School-house, Tyler street, composition, 2,941 lbs.
Rice School-house, Appleton street, composition, 3,042 lbs.
Rubber Factory, Charlestown, composition, 999 lbs.
Saratoga-street M.E. Church, East Boston, steel, 1,968 lbs.
Smith-street School-house, Boston Highlands, composition, 4,083 lbs.

Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.
 Warren School-house, Charlestown, composition, 3,000 lbs.
 Wells School-house, Blossom street, composition, 1,675 lbs.
 Winthrop (old) School-house, Charlestown, composition, 3,000 lbs.
 Abattoir whistle machine, Brighton.

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.

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

Dorchester. — Tileston School.

Charlestown. — City Hall; High School-house.

Brighton. — Bennett School-house.

TRUST FUNDS.

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 (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 hun-

dred 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, Albert Palmer, Fire Commissioners John E. Fitzgerald, Henry W. Longley, and Edward A. White, now constitute the Board of Trustees. Albert Palmer, Mayor, President; Commissioner Edward A. White, Treasurer; Frederick W. Smith, Jr., Clerk.

The following was the condition of the fund, May 1, 1883: —

Two certificates of City of Boston Four per cent. Stock,	\$24,000 00
“ “ “ “ “ Five “ “	8,000 00
Cash on hand,	2,529 26
	<hr/>
	\$34,529 26
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