

ANNUAL REPORT
OF THE
FIRE DEPARTMENT
FOR THE
YEAR 1899-1900



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MUNICIPAL PRINTING OFFICE
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HEADQUARTERS FIRE DEPARTMENT,
BRISTOL STREET, BOSTON, February 14, 1900.

HIS HONOR THOMAS N. HART, *Mayor* :

SIR, — While the losses by fire for last year exceed those of several years passed, we can derive some satisfaction from the fact that there were 2,444 alarms, with an attendant loss of \$1,630,149, averaging \$677.27; while in 1898, 1,980 alarms with a loss of \$1,441,261 averaged \$727.90. In sending out these alarms from headquarters 9,792,000 electric blows have been necessary, while for the previous year 7,355,000 blows did the work; and it is unnecessary for me to say that the successful work done by the department in handling this number of fires, increased in magnitude as well as in number, has strengthened my confidence in the hope that the dreaded conflagration against which we are daily preparing may still be delayed through the activity and zeal of our officers and men and the increased strength of our apparatus.

The fire-alarm branch of the department deserves much praise for its successful work in receiving and transmitting this unusual number of alarms during the past year; there having been no important failure in any part of the intricate system established and maintained by it. There are 624 fire-alarm boxes in service from which all information of fires is received, and in which there has been only one failure during the year; the total length of wire conductors now underground is 761 miles with some 800 miles of wire stretched

on poles, and I hope that during all future years we may be able to place an additional amount below ground until the whole system is so covered.

I cannot too often or too strongly impress on our fellow-citizens the necessity of outside standpipes on high buildings, for adequate fire-escapes and for a change in the so-called fire limit for preventing the erection of wooden buildings, which now in our country districts offer tempting food for conflagration and disaster.

In my opinion the principle on which the department has been conducted during the last five years has, by its results, proved itself a good one, our efforts having been devoted to strengthening the force within its present limits, rather than enlarging it by additional houses and companies at necessarily a great expenditure of money; and to-day I cannot recommend any additional houses, other than one for a ladder truck to be located near the present engine-house of companies 38-39 on Congress street, South Boston, for the protection of the many large buildings lately placed in that vicinity.

While I appreciate the possible advantage of the salt-water system already extending from Central Wharf up Central street through Post Office Square and Congress street to Atlantic avenue, I feel that property-owners should equip their buildings with outside standpipes, made available to the apparatus of this department, before the city should be called on to lay out much money on the further adoption of that system.

ORGANIZATION.

Commissioner, HENRY S. RUSSELL; term expires May, 1901.

Secretary, BENJAMIN F. UNDERHILL.

Chief of Department, LEWIS P. WEBBER.

Assistant Chief, WILLIAM T. CHESWELL.

Second Assistant Chief and Chief of District No. 6, JOHN A. MULLEN.

Superintendent of Fire-alarms, BROWN S. FLANDERS.

Assistant Superintendent of Fire-alarms, CYRUS A. GEORGE.

Consulting Electrician, HENRY F. COTTLE.

Superintendent of Repair-shop, HENRY M. HAWKINS.

Assistant Superintendent of Repair-shop, EUGENE M. BYINGTON.

Hydraulic Engineer, GREELY S. CURTIS.

Veterinary Surgeon, GEORGE W. STIMPSON.

FIRE DEPARTMENT.

Medical Examiner, RUFUS W. SPRAGUE.

Purchasing Officer, CHARLES A. STRAW.

Storekeeper, GEORGE R. KNIGHT.

Foreman of Hose and Harness-shop, PATRICK B. HANNON.

CLERKS.

William E. Delano, M. J. Lafferty, George F. Murphy,
James P. Maloney, D. J. Quinn.

District Chiefs.

John F. Ryan,	Headquarters,	Ladder-house	2
C. H. W. Pope,	"	"	9
Joseph M. Garrity,	"	"	8
Peter F. McDonough,	"	Engine-house	4
Nathan L. Hussey,	"	"	26
Patrick E. Keyes,	"	"	3
John Grady,	"	Ladder-house	12
Edward H. Sawyer,	"	"	4
Williston A. Gaylord,	"	Engine-house	18
George F. Griffin,	"	"	41
Lewis P. Abbott,	"	"	28

FORCE AND PAY-ROLL.

Commissioner	. . . . .	\$5,000 per annum.
Secretary	. . . . .	2,400 " "
Chief of Department	. . . . .	3,500 " "
First Assistant Chief	. . . . .	2,400 " "
Second " "	. . . . .	2,200 " "
Superintendent of Fire-alarms	. . . . .	3,200 " "
Assistant Superintendent of Fire-alarms,	. . . . .	2,000 " "
Superintendent of Repair-shop	. . . . .	2,000 " "
Asst. " " "	. . . . .	1,600 " "
Hydraulic Engineer	. . . . .	1,400 " "
Veterinary Surgeon	. . . . .	2,000 " "
Medical Examiner	. . . . .	600 " "
Purchasing Officer	. . . . .	1,600 " "
Foreman of Hose and Harness Shop	. . . . .	1,400 " "
Storekeeper	. . . . .	1,400 " "
1 Clerk	. . . . .	1,500 " "
1 " "	. . . . .	1,200 " "
2 " "	. . . . .	1,100 " "
1 " "	. . . . .	1,000 " "

11 District Chiefs	\$2,000 per annum.
53 Captains	1,600 " "
65 Lieutenants	1,400 " "
44 Engineers	1,300 " "
43 Assistant Engineers	1,200 " "
3 " " " "	1,000 " "
459 Permanent men.	
341 at	1,200 " "
42 at	1,100 " "
39 at	1,000 " "
28 at	900 " "
9 at	720 " "
86 Call-men.	
1 at	325 " "
18 at	250 " "
67 at	200 " "
2 Drivers for Assistant Chiefs	1 75 per day.
11 Drivers for District Chiefs	1 75 " "
2 Watchmen	1,000 per annum.
3 Hostlers (average)	1 95 per day.
1 Horse-shoer	3 00 " "

FIRE-ALARM FORCE.

6 Operators	\$1,600 per annum.
2 Assistant Operators	1,200 " "
1 Assistant Operator	2 75 per day.
1 Foreman of Construction	1,800 per annum.
17 Repairers (average)	2 93 per day.

REPAIR-SHOP EMPLOYEES.

1 Sanitary Engineer	\$1,300 per annum.
1 Engineer	3 00 per day.
1 Assistant Engineer	2 50 " "
1 Painter	3 75 " "
1 "	2 50 " "
2 Wheelwrights	3 25 " "
4 Machinists	3 25 " "
2 "	3 00 " "
2 Blacksmiths	3 50 " "
1 Blacksmith	3 25 " "
1 "	2 50 " "
2 Blacksmith's-helpers	2 50 " "
1 Hose and harness-repairer	1 50 " "
4 Laborers, (average)	2 10 " "

854 Total force.

FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows :

District 1.

All that part of Boston known as East Boston.

District 2.

All that part of Boston formerly known as Charlestown.

District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park and Beacon streets, and on the west by the Charles river and Berkeley street.

District 5.

The territory bounded on the north by Beacon, Park, Winter and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle and Ferdinand streets, Columbus avenue and Berkeley street.

District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte and Way streets and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins, Catalpa and Castleton streets, across Jamaica way to the Brookline line, and on the west by the Brookline line, Beacon and Deerfield streets.

District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin, and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

District 10.

That part of Dorchester bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

District 11.

All that part of Boston known as Brighton and extending east as far as Deerfield and Beacon streets.

District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaica-way to Castleton street, through Castleton, Catalpa and Perkins streets, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart and Atherton streets, Columbus avenue and Seaver street, on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

ASSIGNMENT OF DISTRICTS.

Each district is placed under the charge of a District Chief, as follows :

District.	Chief of Command.	COMPANIES IN DISTRICTS.				
		Engines.	Chemical Engines.	Hose and Ladders.	Combination Companies.	Water Towers.
1.....	John F. Ryan	5, 9, 11, 40	7	* 2	4	
2.....	C. H. W. Pope	27, 32, 36	9	* 9	5, 7	
3.....	Joseph M. Garrity...	8, 25, 31, 44		* 8, 14		
4.....	Peter F. McDonough,	* 4, 6, 10	1	1	8	1
5.....	Nathan L. Hussey...	7, * 26, 35	2	17		
6.....	John A. Mullen.....	* 1, 2, 15, 38, 39, 43	8	5	2, 3	
7.....	Patrick E. Keyes ...	* 3, 22, 33	4	3, 13, 15		2
8.....	John Grady.....	13, 14, 37	3, 12	* 12		
9.....	Edward H. Sawyer..	12, 21, 23, 24	10	* 4	6	
10.....	Williston A. Gaylord,	16, 17, * 18, 19, 20			6, 7	1
11.....	George F. Griffin ..	29, 34, * 41	6	11		
12.....	Lewis P. Abbott.....	* 28, 30, 42, 45	5	10, 16		

* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner :

Houses.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Dorchester street	5,628	\$25,800	Engine 1.
Corner of O and Fourth streets.....	4,000	16,400	Engine 2.
Bristol street and Harrison avenue ..	4,000	30,000	Engine 3 and Ladder 3.
Bulfinch street.....	6,098	90,000	Engine 4, Chemical 1 and Tower 1.
Marion street, East Boston.....	1,647	9,000	Engine 5.
Leverett street.....	2,269	35,000	Engine 6.
East street	1,893	35,400	Engine 7.
Salem street.	2,568	18,300	Engine 8.
Paris street, East Boston.....	4,720	28,600	Engine 9 and Ladder 2.
River street.....	1,886	19,600	Engine 10.

Houses. — Continued.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Saratoga and Byron streets, East Boston	10,000	\$37,500	Engine 11 and Combination 4.
Dudley street	7,320	24,900	Engine 12.
Cabot street	4,832	16,000	Engine 13.
Centre street	5,713	14,600	Engine 14.
Dorchester avenue	2,843	18,700	Engine 15.
River street, Dorchester District	12,736	18,500	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester Dist., ..	9,450	17,300	Engine 17 and Ladder-house 7 on this lot.
Harvard street, Dorchester District ..	9,440	17,800	Engine 18.
Norfolk street " " ..	7,683	14,200	Engine 19.
Walnut street " " ..	9,000	9,200	Engine 20.
Columbia road " " ..	12,661	18,300	Engine 21.
Northampton street	3,445	13,200	Engine 23.
Corner Warren and Quincy streets ..	4,186	18,100	Engine 24.
Fort Hill square	4,175	77,700	Engine 25, Ladder 8 and Ladder 14.
Mason street	5,623	113,000	Engine 26 and Engine 35.
Elm street, Charlestown District	2,600	18,000	Engine 27.
Centre street, West Roxbury District ..	10,377	28,300	Engine 28 and Ladder 10.
Chestnut Hill ave., Brighton District ..	14,338	37,200	Engine 29 and Ladder 11.
Centre street, West Roxbury District ..	12,231	24,700	Engine 30.
Bunker Hill st., Charlestown District ..	8,188	26,200	Engine 32.
Corner Boylston and Hereford sts. ..	5,646	66,000	Engine 33 and Ladder 15.
Western avenue, Brighton	4,637	17,800	Engine 34.
Monument st., Charlestown District ..	5,668	21,000	Engine 36 and Combination 5.
Cor. Longwood and Brookline aves. ..	5,400	12,600	Engine 37 and Chemical 3.
Congress street	4,000	34,000	Engine 38 and Engine 39.
Summer street, East Boston	4,010	18,000	Engine 40.
Harvard avenue, near Cambridge st., Brighton District	6,112	25,500	Engine 41 and Chemical 6.
Washington street, between Atherton and Beethoven	3,848	22,900	Engine 42 and Chemical 5.
Andrew square	5,133	20,100	Engine 43 and Combination 3.
Poplar, corner Washington street, West Roxbury	14,729	18,700	Engine 45 and Ladder 16.
Church street	3,412	23,000	Chemical Engine 2.
Shawmut avenue	889	5,700	Chemical Engine 4.
Chelsea street, East Boston	1,346	10,400	Chemical Engine 7.

Houses. — Concluded.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
B street	1,804	\$7,800	Chemical Engine 8.
Eustis street	1,754	7,600	Chemical Engine 10.
Friend street	1,676	32,400	Ladder 1.
Dudley street	3,923	25,900	Ladder 4.
Fourth street	2,469	See Engine 1.	Ladder 5.
Main street, Charlestown	4,290	18,000	Ladder 9 and Chemical 9.
Tremont street	4,350	25,700	Ladder 12 and Chemical 12.
Washington, near Dover street	1,007	13,100	Ladder 13.
Harrison avenue	2,134	25,500	Ladder 17.
Dorchester avenue, Ashmont	4,875	22,400	Combination 1.
Fourth street	3,101	11,600	Combination 2.
Washington street, Dorchester	6,874	21,400	Combination 6.
Winthrop street	3,000	13,300	Combination 7.
North Grove street	3,918	18,000	Combination 8.

	Assessed Valuation.
Fuel-house, Dorchester street, 1,610 feet of land ..	\$3,300 00
Fuel-house, Salem street, 417 feet of land ..	3,200 00
Fuel-house, Main street, Charlestown, 2,430 feet of land ..	7,000 00
Headquarters building and repair-shop, corner of Albany and Bristol streets, 23,663 feet ..	185,000 00
Engine No. 22, Water Tower No. 2 and Wrecking Wagon are in Headquarters building ..	
Old house of Engine 30, on Mt. Vernon street, West Roxbury, 16,275 feet of land ..	5,400 00
Veterinary Hospital, Atkinson street, 64,442 feet of land ..	39,110 00
7,500 feet of land on Warren avenue, purchased as a site for new house for Engine 22, ..	18,600 00

Engine Companies.

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 three, located as follows, viz.: 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.

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Second size.
1	Dorchester, near Fourth, S. B.	Clapp & Jones Mfg. Co.	April 1, 1890	54	5	1	Third
2	Fourth, cor. O. South Boston.	Manchester Loco. Works.	Nov., 1890	61	4	8	First
3	Harrison ave., cor. Bristol.	Clapp & Jones Mfg. Co.	Aug., 22, 1890	9	5½	8	"
4	Bullfinch st., cor. Bristol.	American Fire Eng. Co.	Feb., 22, 1893	9	5½	8	Second
5	Marion st., East Boston.	Amoskeag Mfg. Co.	Nov., 1897	7½	4½	8	"
6	Leverett st., East Boston.	Amoskeag Mfg. Co.	Nov., 1897	7½	4½	8	Rotary.
7	East st., East Boston.	American Fire Eng. Co.	April, 1895	9	5½	8	First
8	Salem st., East Boston.	American Fire Eng. Co.	June, 1895	9	5½	8	Second
9	Paris st., East Boston.	Manchester Loco. Works.	March 30, 1896	6½	4½	8	"
10	Mount Vernon, cor. River st.	Hunnehan & Co.	Oct., 14, 1872	7½	4½	8	"
11	Saratoga, cor. Byron st., E. B.	Amoskeag Mfg. Co.	March 1, 1882	6½	4½	8	"
12	Dudley st., East Boston.	Manchester Loco. Works.	April 9, 1873	6½	4½	8	"
13	Cabot st., East Boston.	Clapp & Jones Mfg. Co.	March 27, 1882	6½	4½	8	"
14	Dorchester, near Broadway.	Amoskeag Mfg. Co.	April 1, 1890	5½	5	8	First
15	Dorchester, near Broadway.	Amoskeag Mfg. Co.	Sept. 17, 1890	7½	4½	8	Second
16	Meeting House Hill, Dor.	Silby Mfg. Co.	April 8, 1890	6½	4½	8	Third
17	Meeting House Hill, Dor.	Manchester Loco. Works.	May, 1890	6½	4	8	"
18	Harvard st., Dorchester.	Manchester Loco. Works.	Nov., 1890	6½	4	8	"

FIRE DEPARTMENT.

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Second size.
19	Norfolk st., Dorchester.	Clapp & Jones Mfg. Co.	Dec., 5, 1891	7	4½	7	"
20	Walnut st., Dorchester.	Manchester Loco. Works.	Nov., 1890	6½	4½	8	"
21	Columbia road, Dorchester.	Clapp & Jones Mfg. Co.	Dec., 10, 1893	7	4½	7	"
22	Bristol st., Dorchester.	Silby Mfg. Co.	Aug., 7, 1882	.....	Rotary.	.....	Second
23	Northampton st., Dorchester.	Silby Mfg. Co.	Sept. 12, 1890	.....	Rotary.	.....	"
24	Warren, cor. Quincy st., Dorchester.	Clapp & Jones Mfg. Co.	Feb., 24, 1888	7	4½	7	Third
25	Fort Hill sq., Dorchester.	Manchester Loco. Works.	Nov., 1896	7½	4½	8	Extra first size.
26	Mason st., Dorchester.	La France Fire Eng. Co.	June, 1895	8½	5½	9	Second size.
27	Elm st., Charlestown.	Amoskeag Mfg. Co.	July 1, 1872	7½	4½	8	"
28	Centre st., West Roxbury.	Silby Mfg. Co.	April 29, 1886	.....	Rotary.	.....	"
29	Chestnut Hill ave., Brighton.	Hunnehan & Co.	Jan. 1, 1874	7½	4½	8	Third
30	Centre st., West Roxbury.	Clapp & Jones Mfg. Co.	Oct. 9, 1891	16	9	10	2 sets of pumps 4,790 gallons.*
31	Central Wharf (spare fire-boat).	Clapp & Jones Mfg. Co.	July 3, 1889	7	4½	7	Second size.
32	Bunker Hill st., Charlestown.	Manchester Loco. Works.	March 28, 1884	6½	4½	8	"
33	Boylston st., Charlestown.	Silby Mfg. Co.	Feb. 20, 1888	.....	Rotary.	.....	"
34	West ave., Brighton.	Amoskeag Mfg. Co.	Dec., 1899	7½	4½	8	"
35	Mason st., Brighton.	Manchester Loco. Works.	Jan., 1898	9½	5½	8	Double extra first size.
36	Monument st., Charlestown.	Self-propeller.	Dec., 1890	6½	4	8	Third size.
37	Longwood ave., Charlestown.	Manchester Loco. Works.	Dec., 1890	6½	4	8	Second
38	Congress st., South Boston.	Manchester Loco. Works.	March, 1896	6½	4½	8	"
39	Congress st., South Boston.	Self-propeller.	June, 1897	9½	5½	8	Double extra first size.
40	Summer st., East Boston.	Silby Mfg. Co.	Aug., 1890	9	5½	8	First size.
41	Harvard ave., Brighton.	Clapp & Jones Mfg. Co.	Feb., 1893	7	4½	7	Third
42	Eggleston sq., West Roxbury.	American Fire Eng. Co.	March 3, 1893	7	4½	7	"
43	Andrew sq., South Boston.	Clapp & Jones Mfg. Co.	March 3, 1893	7	4½	7	"
44	India Wharf (fire-boat).	American Fire Eng. Co.	Aug., 1895	12½ H. P. 18 L. P.	10	10	2 sets of pumps 6,520 gallons.*
45	Washington, cor. Poplar st., West Roxbury.	American Fire Eng. Co.	Jan., 1895	7	4½	7	Third size.

* At 225 revolutions per minute.

In Reserve.

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Second size.
A	Old 8	Freeman & Jacket	April 26, 1869	7 1/2	4 1/2	8	"
B	Old 10	Anoskeag Mfg. Co.	Feb., 1870	7 1/2	4 1/2	8	"
C	Old 11	Manchester Loco. Works.	Dec., 1879	6 1/2	4 1/2	8	"
D	Old 17 (Crane neck)	Manchester Loco. Works.	May, 1886	7 1/2	4 1/2	8	"
E	Old 4 (Straight frame)	Anoskeag Mfg. Co.	Nov., 1887	7 1/2	4 1/2	8	"
F	Old 1	Anoskeag Mfg. Co.	Sept., 1872	7 1/2	4 1/2	8	"
G	Old 25	Clapp & Jones Mfg. Co.	Nov., 1890	9	5 1/2	8	First
H	Old 37	Manchester Loco. Works.	July, 1867	7 1/2	4 1/2	8	Second
I	Old 35	Clapp & Jones Mfg. Co.	Aug., 1890	9	5 1/2	8	First

Also five hose wagons.

Chemical Companies.

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.

Number.	Location.	Builders.	Put in Service.	Capacity.
1	Bulfinch st.	Babcock Manufacturing Co.	Oct., 1890	Gals. 100
2	Church st.	"	April 25, 1874	160
3	Longwood ave.	"	July 27, 1874	100
4	Shawmut ave.	Rebuilt by Hinman in 1880	Used as a spare engine and put in service Dec. 20, 1895.	100
5	Egleston sq.	Altered by Hinman	Sept. 21, 1876	170
6	Harvard ave., near Cambridge st., Brighton.	"	May 1, 1876	160
7	Chelsea st., East Boston	"	Sept. 27, 1886	100

In Reserve.

8	B. st., South Boston	"	Oct. 27, 1887	160
9	Main st., Charlestown	"	July 17, 1889	100
10	Eustis st.	"	Sept. 13, 1889	100
12	Tremont st.	Charles T. Holloway	Sept., 1896	80

In Reserve.

Old Chemical 2	Charles T. Holloway	100
Spare	Babcock Manufacturing Co.	100
Old Chemical II	"	100

Ladder Companies.

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.

Number.	Location.	Builders.	Put in Service.	Number of Ladders.
1	Warren sq.	Hunnehan & Co.	December 20, 1869	12
2	Paris st., East Boston	Rebuilt by T. Strangman & Son	June 2, 1899	12
3	Harrison ave., cor. Bristol st.	Abbott-Downing Co.	April 25, 1886	14
4	Dudley st., Highland District	"	March 3, 1870	15
5	Fourth st., near Dorchester	Hunnehan & Co.	Aug. 18, 1873	17
6	Temple st., Dorchester	"	July 28, 1898	17
7	Meeting House Hill	C. T. Holloway & Co.	July 28, 1898	10

Ladder Companies. — *Concluded.*

Number.	Location.	Builders.	Put in Service.	Number of Ladders.
8.....	Fort Hill sq.....	Fire Department Repair-shop.....	Aug. 22, 1898	12
9.....	Main st., Charlestown.....	Leverich & Co., N. Y.....	Oct. 9, 1872	15
10.....	Centre st., Jamaica Plain.....	".....	24, 1870	12
11.....	Chestnut Hill ave., Brighton.....	Hunnehan & Co.....	Dec. 13, 1872	14
12.....	Tremont st., Highland District.....	Ryan Bros.....	July 31, 1880	15
13.....	Washington st., near Dover.....	La France Fire-Engine Co., Elmira, N. Y.....	March 12, 1890	Hayes
14.....	Fort Hill sq.....	Fire Extinguisher Manufacturing Co., Chicago.....	Jan. 30, 1893	Extension
15.....	Boylston st.....	".....	April 28, 1888	Extension
16.....	Roslindale.....	Repair-shop.....	Sept., 1888	15
17.....	Harrison ave.....	Preston Co., Chicago.....	April 29, 1891	Extension 87 feet

Ladder Trucks. — In Reserve.

Description.	Builders.
Relief B, old 8.....	Fire Department Repair-shop.
Old Ladder H.....	Hunnehan & Co.
" 4.....	La France Fire-engine Co., Elmira, N. Y.....
" 8.....	Abbott & Downing.
	Extension.

Combination Companies.

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, and one in Charlestown.

Number.	Location.	Built by	Put in Service.	Capacity.
1.....	Dorchester ave., Ashmont.....	Charles T. Holloway.....	March, 1892	Gals. 70
2.....	Fourth st., South Boston.....	".....	May, 1893	70
3.....	Andrew sq., South Boston.....	Fire Extinguisher Mfg. Co.....	Jan., 1898	70
4.....	Saratoga, cor. Byron st., E. B.,	Charles T. Holloway.....	Jan., 1898	70
5.....	Monument st., Charlestown.....	".....	Jan., 1898	70
6.....	Washington st., Dorchester.....	Fire Extinguisher Mfg. Co.....	Nov. 8, 1898	70
7.....	Winthrop st., Charlestown.....	".....	April 29, 1898	70
8.....	North Grove st.....	".....	Nov. 1, 1899	70

Water Towers.

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

Number.	Location.	Builders.	Put in Service.
1.....	Bulfinch st.....	Kansas City Fire Department Supply Co.....	May 17, 1890
2.....	Bristol st.....	" " " " " "	Dec. 18, 1893

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

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.

PUMPS. — Forty-eight; forty-three for carrying hose, two for jolbing and three for fire-alarm branch. District chiefs' sleighs, seven.

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

REPAIR-SHOP. — In the repair-shop, one 25-horse-power steam-engine, cylinder, 9 by 31 inches, Putnam Machine Company;

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; four blacksmith's forges; one furnace for heating tires; one 28-inch swing standard

engine lathe; one 14-inch speed lathe, 3-ft. bed; one 14-inch swing patent engine lathe, 5-ft. bed; one 25-inch shaping machine,

engines, lathe, and one duplex and one Blake pump for feeding boilers, one Knowles triplex pump for testing hose, one

patent goose-neck belt drill, 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.

NEW APPARATUS PURCHASED DURING THE YEAR.

2 pairs 35-gallon chemical tanks for ladder-trucks.
1 large-sized hose-wagon.
1 combination ladder and chemical engine.

Amount of hose purchased and condemned during the year:

	Purchased.	Condemned.
Leading cotton,	4,250 feet	8,050 feet.
" rubber,	2,100 "	2,350 "
Chemical,	2,000 "	850 "
Suction,	76 "	58 "
Totals,	8,426 "	11,308 "

Amount of hose in use and in store February 1, 1900.

	In use.	In store.
Leading cotton,	78,050 feet.	7,200 feet.
" rubber,	8,450 "	2,600 "
Chemical,	8,950 "	1,200 "
Suction,	946 "	152 "
Totals,	96,396 "	11,152 "

HORSES.

Purchased during the year	43
Sold or exchanged	18
Died	3
Killed for cause	7
Number in the department	350

MONTHS. 1899-1900.	ALARMS RECEIVED.						Loss.	INSURANCE.		ALARMS.			BUILDINGS.				Out of city.	Wharves, Vessels, Coal and Wood piles, Houses, etc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	From Whom.							Buildings.	Contents.	Buildings.	Contents.	Fire.	False.	Needless.	Still.	Continued to buildings.			Extended to others.	Needless still alarms.	No damage.	Slight damage.	Considerable damage.	Totally destroyed.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Fire patrol.	Members.	Police.	Citizens.	Automatic.	Unknown.																			Accidental.	Total.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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CAUSES OF FIRES AND ALARMS FROM FEBRUARY 1, 1899,
TO FEBRUARY 1, 1900.

Alarms, accidental, automatic	81
“ false	23
“ out-of-city	24
Accidental breaking of box	2
Ashes, hot, in wooden receptacle	28
Back draft	1
Boys setting off cannon crackers	1
Boiling over of fat or tar	34
Bonfires, grass, rubbish, etc., set by boys	283
Careless use of lamps, candles, etc.	58
“ “ pipes and cigars in smoking	34
“ “ fire	3
“ “ blow-pipe	1
Chimneys, soot burning	97
“ defective	32
“ overheated	6
Chinaman being robbed	1
Clothes too near stove	10
Defective flue	6
“ stove-pipe	3
“ grate or fireplace	6
“ furnace	2
“ sprinkler	2
Electric motor igniting car	20
“ wires	37
Explosion and ignition of chemicals	9
Fireworks	61
Friction	7
Fumigating	2
Gas, explosion of	2
“ ignition of leaky pipes	3
“ jet setting fire	58
Incendiary	43
“ supposed	18
Lamp explosion	69
“ upsetting and breaking	116
Light mistaken for fire	16
Lightning	1
Matches and rats	29
“ children	87
“ careless use of	138
Meat burning on stove	3
Naphtha, careless use of, and ignition	11

Oil stove, careless use of, and explosion	67
Gas stove, " " " " " "	10
Overflow of sewer-pipe	1
Plastering, drying	5
Overheated boiler or steam-pipe	11
" coke	2
" motor	1
" oven	5
" stove or furnace	67
Rekindling of ruins of previous fire	4
Plumber's stove upsetting	6
Slacking of lime	3
Smoky chimneys	42
" stove or furnace	47
Sparks from another fire	24
" furnace or stove	26
" chimney	34
" forge	6
" a flash-light	1
" engine or locomotive	76
Spontaneous combustion	57
Steam escaping	5
Street fight	1
"Stop thief," mistaken for call of "fire"	1
Testing-box	1
Trench caving in	1
Unknown	439
Upsetting of stove	2
Use of kerosene to light fire	2
Water-pipes, thawing out	26
Wood drying in oven	2
Total	<u>2,448</u>
Total number of actual fires	2,130
Confined to one building	1,678
Extended to others	52
Wharves, vessels, grass, etc.	405
Out of the city	<u>24</u>
<i>Buildings.</i>	
Slightly damaged	965
Considerably damaged	139
Totally destroyed	37
Not damaged	<u>684</u>

<i>Extinguished by</i>	
Extinguishers	469
Buckets of water	252
Chemical engines	407
Hydrant stream	222
Steamers	386
Miscellaneous, brooms, stamping out and smothering,	118
Citizens	273
Sprinklers	3
Total	<u>2,130</u>

ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells :

Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by city.
Bunker Hill School-house, Charlestown, composition, 2,009 lbs., owned by city.
City Hall, Charlestown, composition, 3,600 lbs., owned by city.
Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by city.
Engine-house No. 17, Meeting House Hill, Dorchester, composition, 4,000 lbs., owned by city.
Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by city.
Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by city.
Engine-house No. 28, West Roxbury, composition, 4,000 lbs., owned by city.
Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by city.
Engine-house, Mt. Vernon street, West Roxbury, steel, 1,000 lbs., owned by city.
Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by city.
Engine-house No. 40, Orleans street, East Boston, composition, 817 lbs., owned by city.
Engine-house No. 41, Allston, composition, 900 lbs., owned by city.
Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by city.
Lewis School-house, Dale street, Boston Highlands, composition, 3,104 lbs., owned by city.

Maverick-street Church, East Boston, composition, 2,000 lbs.
 Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by city.
 Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by city.
 Warren School-house, Charlestown, composition, 3,000 lbs., owned by city.
 Winthrop School-house, Charlestown, composition, 3,000 lbs., owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

Berkeley Temple, composition, 2,941 lbs. Formerly used on Quincy School-house.
 Chapman School-house, steel, 3,109½ lbs., taken down and stored by Public Buildings Department.
 Engine-house No. 1, Dorchester street, South Boston, composition, 2,911 lbs.
 Engine-house No. 2, composition, 800 lbs.
 Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs.
 Engine-house No. 21, Boston street, Dorchester, composition, 3,026 lbs.
 Faneuil Hall, steel, 5,816 lbs.
 Hook-and-ladder House No. 4, Dudley street, Boston Highlands, composition, 3,509 lbs.
 Lawrence School-house, B street, South Boston, steel, 3,400 lbs.
 Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.
 Smith-street School-house, Highlands, composition, 4,083 lbs.
 Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.
 Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.
 Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.
 Wells School-house, Blossom street, composition, 1,675 lbs.

PUBLIC CLOCKS.

The following public clocks, thirty-eight in number, are taken care of by the Fire Department:

City Proper.

Arlington-street Church.
 Charles-street Church.
 Christ Church, Salem street, owned by city.
 Commercial Wharf.
 Odd Fellows' Hall, Tremont street, owned by city.
 Old South Church, owned by city.
 Old State House, owned by city.
 Park-street Church.
 Suffolk County Jail, owned by city.
 St. Stephen's Church, Clark street, owned by city.
 Shawmut-avenue Church.
 Tremont M. E. Church, owned by city.
 Young Men's Christian Union, owned by city.

South Boston.

Gaston School-house, owned by city.
 Lincoln School-house, owned by city.
 Phillips Church, owned by city.
 St. Augustine Church, Dorchester street, owned by city.
 Ticknor School-house, Washington Village, owned by city.

East Boston.

Central-square Church.
 London-street Church, owned by city.
 Lyceum Hall, owned by city.
 Trinity Church, owned by city.
 Orient Heights Church, owned by city.

Boston Highlands.

Winthrop-street Church, owned by city.
 West End stables, Tremont street, owned by city.

Dorchester.

Baker Memorial (Upham's Corner), owned by city.
 Neponset Church.
 Tileston School (Mattapan), owned by city.
 Unitarian Church (Milton Lower Mills).

Charlestown.

Bunker Hill Church.
City Hall, owned by city.
Harvard Hill Church.
High School-house, owned by city.
Unitarian Church.

West Roxbury.

Dr. Strong's Church.
Unitarian Church.
Congregational Church (Roslindale), owned by city.

Brighton.

Bennett School-house, owned by city.

The following Fire-alarm boxes are private property : 115,
149, 152, 161, 163, 164, 165, 212, 227, 228, 244, 271, 279,
281, 283, 299, 342, 358, 422, 442, 443, 445, 446, 447, 448,
449, 495, 511, 533, 617, 619, 623, 624, 629, 698, 711, 714,
715, 716, 718, 722, 724, 725, 726, 727, 728, 729, 731, 732,
733, 735, 737, 738, 739, 741, 742, 744, 745, 746, 755, 758,
759, 762, 766, 767, 769, 773, 778, 779, 789, 791, 792, 793,
794, 795, 797, 799, 816, 828, 838, 842, 864, 865, 919, 927,
967, 969, 971, 974.

Your obedient servant,

HENRY S. RUSSELL,
Commissioner.

89