

ANNUAL REPORT
OF THE
FIRE DEPARTMENT
FOR THE
YEAR 1900-1901



BOSTON
MUNICIPAL PRINTING OFFICE
1901

FIRE COMMISSIONER,
BRISTOL STREET, BOSTON, February 20, 1901.

HIS HONOR THOMAS N. HART, *Mayor*:

SIR,— No radical change has been made in this Department during the last year; the practice of strengthening, as far as possible, the present locations by equipment, rather than by the building of new houses for new companies, has been followed; and, in my opinion, should be adhered to for some years to come, inasmuch as the present Department is sufficient to provide reasonable protection in the various districts; and it does not seem fair to expect the City to furnish engine and ladder companies for the purpose of providing the outlying districts with that protection which is necessary to prevent conflagrations in the business quarters. While the losses on buildings during the year have been some \$170,000 less than those of 1899, the losses on contents have exceeded those of 1899 by some \$240,000; which figures may show the effect of large streams of water, without which a conflagration has the advantage. It is a source of congratulation that no fire has "got away" from the Department, although we are well aware that the dreaded conflagration may at any time assume proportions not reached of late.

Our Roll of Merit contains the names of:

N. L. Hussey	Engine 23.
E. H. Sawyer	Ladder 4.
E. H. Sawyer	" 4.
J. F. Bailey	Ladder 17.
Eugene Rogers	" 1.
Captain Peter Callahan	Engine 4.
Lieut. J. A. Kelley	Chemical 1.
T. J. Heffron	Engine 4.
J. E. Downey	" 6.
F. F. Leary	Ladder 12.
Florence Donoghue	Combination 8.
Captain J. J. O'Connor	Engine 7.
Lieut. J. F. McMahon	Combination 8.
M. A. Kenealy	Engine 7.
D. Driscoll	" 7.
W. H. Magner	Ladder 8.

All of whom have distinguished themselves by exceptionally good work on occasion; but the success in putting out fires, which the Department has attained, has been owing to the perpetual vigilance and uniform zeal of all the officers and men without distinction. Hoseman Herbert Pierce of Engine 42 and Hoseman Patrick J. McCarthy of Engine 8 have died during the year from injuries received while on active duty.

Ninety-six (96) members were injured, and were off duty a total of 2,973 days, an average of 31 days each.

The Fire-Alarm Branch of the Department has continued its good work during the last year, having successfully struck 9,260,476 blows in performing its duty; and no fire-alarm box has failed in its work of properly transmitting alarms from the street to headquarters.

The new Veterinary Hospital has answered all requirements, ^{and} ~~the~~ horse, among the 358 employed, having died of disease during the year.

The large self-propelling engines have continued their good service, and certainly are a marked success in dealing with fire through their large streams, while their motive power has proved very effective.

The electric signal, by means of wire inserted through the hose giving direct communication with the engine, has proved of much service in preventing the delay necessary when water has to be called for by messenger, it having been adopted for 10 engines in the City proper.

The adoption of rubber tires has greatly increased the ease of travel of apparatus, as well as saved much wear and tear, and their further adoption will be continued as fast as practicable.

The adoption of outside standpipes on high buildings does not progress as fast as the interests of property would seem to demand; while fire-escapes, where built, are often of a character to insure disaster to those citizens of ordinary vocations who may be required to use them; in my opinion, the best outside escape is that at present attached to the Franklin School on Waltham street.

Besides the danger from the many well known fire-traps throughout the city, the large buildings of iron construction, when used for the storage of wool and other combustible material, add, in my opinion, to the gravity of the situation by their readiness to twist and fall when subjected to severe heat, and thus become a menace to a fire department.

The wooden villages springing up in the country districts continue to offer ready fuel for the flames; but as long as owners prefer to oppose all attempts to extend the lines on which brick buildings must be built, the Fire Department and insurance companies must stand in the gap as best they can.

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.

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.

Medical Examiner, RUFUS W. SPRAGUE.

Purchasing Officer, CHARLES A. STRAW.

Storekeeper, GEORGE R. KNIGHT.

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

Consulting Electrician, HENRY F. COTTE [absent].

Master Carpenter, THOMAS C. HANEY.

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,	"	"	22
John Grady,	"	Ladder-house	12
Edward H. Sawyer,	"	"	4
Williston A. Gaylord,	"	Engine-house	18
Hiram D. Smith,	"	"	41
Lewis P. Abbott,	"	"	28

FORCE AND PAY-ROLL, FEBRUARY 1, 1901.

Commissioner	\$5,000 per annum.
Secretary	2,500 " "
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. Superintendent of Repair-shop	1,800 " "
Hydraulic Engineer	1,600 " "
Veterinary Surgeon	2,000 " "
Medical Examiner	900 " "
Purchasing Officer	1,600 " "
Foreman of Hose and Harness Shop	1,400 " "
Storekeeper	1,400 " "
Master Carpenter	1,300 " "
Bookkeeper	1,650 " "
3 Clerks	1,400 " "
1 Clerk	1,100 " "
11 District Chiefs	2,000 " "
53 Captains	1,600 " "
66 Lieutenants	1,400 " "
47 Engineers	1,300 " "
40 Assistant Engineers	1,200 " "
4 " "	1,100 " "

470 Permanent men.

356 at	1,200 per annum.
37 at	1,100 " "
30 at	1,000 " "
27 at	900 " "
20 at	720 " "

83 Call-men.

1 at	325 " "
14 at	250 " "
68 at	200 " "
11 Chiefs' Drivers	1 75 per day.
2 Watchmen	1,000 per annum.
3 Hostlers (average)	1 95 per day.
1 Horseshoer	3 00 " "

FIRE-ALARM FORCE.

6 Operators	\$1,600 per annum.
3 Assistant Operators	1,200 " "
1 Foreman of Construction	1,800 " "
17 Repairers (average)	2 94 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 " "
1 Machinist	3 00 " "
2 Blacksmiths	3 50 " "
1 Blacksmith	3 25 " "
3 Blacksmiths' helpers	2 50 " "
1 Hose and harness-repairer	1 50 " "
5 Laborers (average)	2 04 " "

863 Total force.

FORCE AND PAY-ROLL, FEBRUARY 1, 1900.

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 per annum.
Assistant Superintendent of Fire-alarms, . . .	2,000 " "
Superintendent of Repair-shop . . .	2,000 " "
Asst. Superintendent of Repair-shop . . .	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 " "
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 Horseshoer . . .	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 per day.
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 Blacksmiths' 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 in Command.	COMPANIES IN DISTRICTS.				
		Engines.	Chemical Engines.	Hook 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, * 32, 33	4	3, 13, 15		2
8.....	John Grady.....	13, 14, 37	3, 12	* 12		
9.....	Edward H. Sawyer..	13, 21, 23, 24	10	* 4	6	
10.....	Williston A. Gaylord	16, 17, * 18, 19, 20		6, 7	1	
11.....	Hiram D. Smith.....	29, 34, * 41	6	11		
12.....	Lewis P. Abbott.....	* 28, 30, 42, 45	5	10, 16	9	

* 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 st.	5,698	\$25,800	Engine 1.
Corner of O and Fourth sts.....	4,000	16,400	Engine 2.
Bristol street and Harrison ave.....	4,000	30,000	Engine 3 and Ladder 3.
Bulfinch st.	6,098	90,000	Engine 4, Chemical 1 and Tower 1.
Marion st., East Boston	1,647	9,000	Engine 5.
Leverett st.	2,269	35,000	Engine 6.
East st.	1,893	35,400	Engine 7.
Salem st.....	2,568	18,300	Engine 8.

Houses.—Continued.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Paris st., East Boston	4,729	28,600	Engine 9 and Ladder 2.
River st.	1,886	19,600	Engine 10.
Saratoga and Byron sts., East Boston,	10,000	37,500	Engine 11 and Combination 4.
Dudley st.	7,320	24,900	Engine 12.
Cabot st.	4,892	16,000	Engine 13.
Centre st.	5,713	14,600	Engine 14.
Dorchester ave.	2,843	18,700	Engine 15.
River st., Dorchester District	12,736	18,500	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester District	9,450	17,300	Engine 17 and Ladder-house 7 on this lot.
Harvard st., Dorchester District.	9,440	17,800	Engine 18.
Norfolk st., " "	7,683	14,300	Engine 19.
Walnut st., " "	9,000	9,200	Engine 20.
Columbia road, " "	12,661	18,300	Engine 21.
Northampton st.	3,445	18,200	Engine 23.
Corner Warren and Quincy sts.	4,186	18,100	Engine 24.
Fort Hill sq.	4,175	77,700	Engine 25, Ladder 8 and Ladder 14.
Mason st.	5,623	113,000	Engine 26 and Engine 35.
Elm st., Charlestown District	2,600	18,000	Engine 27.
Centre st., Jamaica Plain	10,377	28,300	Engine 28 and Ladder 10.
Chestnut Hill ave., Brighton District,	14,358	37,200	Engine 29 and Ladder 11.
Centre st., West Roxbury District	12,251	24,700	Engine 30 and Combination 9.
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 ave., 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 st.	4,000	34,000	Engine 38 and Engine 39.
Sumner st., East Boston	4,010	18,000	Engine 40.
Harvard ave., near Cambridge st., Brighton District	6,112	25,500	Engine 41 and Chemical 6.
Washington, between Atherton and Beethoven sts.	3,848	22,900	Engine 42 and Chemical 5.
Andrew sq.	5,133	20,100	Engine 43 and Combination 3.
Washington, corner Poplar st., Roslindale	14,729	18,700	Engine 45 and Ladder 16.
Church st.	3,412	23,600	Chemical Engine 2.
Shawmut ave.	889	5,700	Chemical Engine 4.

Houses.—Concluded.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Chelsea st., East Boston	1,346	10,400	Chemical Engine 7.
B st.	1,804	7,800	Chemical Engine 8.
Eustis st.	1,754	7,600	Chemical Engine 10.
Friend st.	1,676	32,400	Ladder 1.
Dudley st.	3,923	25,900	Ladder 4.
Fourth st.	2,469	See Engine 1.	Ladder 5.
Main st., Charlestown	4,290	18,000	Ladder 9 and Chemical 9.
Tremont st.	4,350	25,700	Ladder 12 and Chemical 12.
Washington, near Dover st.	1,007	13,100	Ladder 13.
Harrison ave.	2,134	25,500	Ladder 17.
Dorchester ave., Ashmont	4,875	22,400	Combination 1.
Fourth st.	3,101	11,000	Combination 2.
Washington st., Dorchester	6,874	21,400	Combination 6.
Winthrop st.	3,900	13,200	Combination 7.
North Grove st.	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.	
Veterinary Hospital, Atkinson street, 64,442 feet of land	39,110 00
7,500 feet of land on Warren avenue	18,600 00
Partially erected house for Engine 22, cost to date	24,388 22

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.

HOSE WAGON.—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.	
1	Dorchester, near Fourth, S. B.	Clapp & Jones Mfg. Co.,	April 1, 1890	18	9	1	Second size.
2	Fourth, cor. O., South Boston.	Manchester Loco. Works,	Nov., 1890	18	9	1	Third
3	Harrison ave., cor. Bristol st.	Clapp & Jones Mfg. Co.,	Aug., 22, 1890	9	5	1	First
4	Bulfinch st., East Boston	American Fire Eng. Co.,	Feb., 22, 1893	9	5	1	"
5	Marion st., East Boston	Amoskeag Mfg. Co.,	Nov., 1897	7	4	1	Second
6	Leverett st., East Boston	Formerly Relief B., re-built by Manchester Loco. Works.	Nov., 1900	7	4	1	First
7	East st., East Boston	American Fire Eng. Co.,	June, 1895	9	5	1	"
8	Salem st., East Boston	Manchester Loco. Works,	March 30, 1895	9	5	1	Second
9	Paris st., East Boston	Humman & Co.,	Oct., 1872	4	4	1	"
10	Mount Vernon, cor. River st.	Manchester Loco. Works,	March 1, 1882	4	4	1	"
11	Saratoga, cor. Byron st., E. B.	Amoskeag Mfg. Co.,	April 9, 1873	6	4	1	"
12	Dudley st., East Boston	Manchester Loco. Works,	March 27, 1882	6	4	1	"
13	Cabot st., East Boston	Clapp & Jones Mfg. Co.,	April 1, 1890	8	4	1	"
14	Centre st., East Boston	Amoskeag Mfg. Co.,	Sept. 17, 1870	7	4	1	"
15	Dorchester ave. and Broadway,	American Fire Eng. Co.,	Feb., 1893	9	5	1	First
16	Temple st., Dorchester	Silsby Mfg. Co.,	April 8, 1890	10	6	1	Second
17	Meeting House Hill, Dorchester	Amoskeag Mfg. Co.,	May, 1889	6	4	1	"

18	Harvard st., Dorchester	Manchester Loco. Works,	Nov., 1890	9	4	1	Third
19	Norfolk st., Dorchester	Clapp & Jones Mfg. Co.,	Dec. 5, 1891	7	4	1	"
20	Wentworth st., Dorchester	Manchester Loco. Works,	Nov., 1890	6	4	1	"
21	Columbia road, Dorchester	Clapp & Jones Mfg. Co.,	Dec. 10, 1895	7	4	1	"
22	Bristol st., Dorchester	Rebuilt by American Fire Eng. Co.	Jan., 1901	8	4	1	Second
23	Northampton st., Dorchester	Silsby Mfg. Co.,	Sept. 12, 1890	7	4	1	Rotary
24	Warren, cor. Quincy st., Dorchester	Clapp & Jones Mfg. Co.,	Feb. 24, 1888	7	4	1	Third
25	Fort Hill sq., Dorchester	Manchester Loco. Works,	Nov., 1896	7	4	1	First
26	Mason st., Dorchester	La France Fire Eng. Co.,	June, 1895	8	5	1	Extra first size.
27	Elm st., Charlestown	Amoskeag Mfg. Co.,	July 1, 1872	7	4	1	Second size.
28	Centre st., Jamaica Plain	Silsby Mfg. Co.,	April 29, 1896	7	4	1	Rotary
29	Chestnut Hill ave., Brighton	Humman & Co.,	Jan. 1, 1874	7	4	1	"
30	Centre st., West Roxbury	Clapp & Jones Mfg. Co.,	Oct. 9, 1891	7	4	1	"
31	Central Wharf (spare fire-boat)	Clapp & Jones Mfg. Co.,	July 3, 1889	16	9	10	Third
32	Bunker Hill st., Charlestown	Manchester Loco. Works,	March 28, 1884	6	4	8	2 sets of pumps 4,700 gallons.*
33	Boylston st., Charlestown	Silsby Mfg. Co.,	Feb. 20, 1898	7	4	1	Second size.
34	Western ave., Brighton	Amoskeag Mfg. Co.,	Dec., 1899	7	4	1	"
35	Mason st., Brighton	Manchester Loco. Works,	Jan., 1898	9	5	1	Double extra first size.
36	Monument st., Charlestown	Self-propeller.	Dec., 1890	6	4	1	Third size.
37	Longwood ave., Charlestown	Manchester Loco. Works,	Dec., 1890	6	4	1	Second
38	Congress st., South Boston	Manchester Loco. Works,	March, 1896	6	4	1	"
39	Congress st., South Boston	Self-propeller.	June, 1897	9	5	1	Double extra first size.
40	Sumner st., East Boston	Silsby Mfg. Co.,	April 1, 1890	9	5	1	First size.
41	Harvard ave., Brighton	Clapp & Jones Mfg. Co.,	Aug., 1893	7	4	1	Third
42	Egleston sq., West Roxbury	American Fire Eng. Co.,	Feb., 1893	7	4	1	"
43	Andrew sq., South Boston	Clapp & Jones Mfg. Co.,	March 3, 1893	7	4	1	"
44	India Wharf (fire-boat)	American Fire Eng. Co.,	Aug., 1895	12 H. P. 10 P. 10	10	2	2 sets of pumps 6,520 gallons.*
45	Washington, cor. Poplar st., Roslindale	American Fire Eng. Co.,	Jan., 1895	7	4	1	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 & Juckett.....	April 26, 1869	7½	4½	8	Second size.
B	Old 6.....	Silsby Mfg. Co.	April, 1890	.....	Rotary.	.....	" "
C	.....	Manchester Loco. Works.	Dec., 1879	6½	4½	8	" "
D	Old 17 (Crane neck).....	Manchester Loco. Works.	May, 1886	7½	4½	8	" "
E	Old 4 (Straight frame).....	Anoskeag Mfg. Co.....	Nov., 1867	7½	4½	8	" "
F	Old 1.....	Anoskeag Mfg. Co.	Sept., 1872	7½	4½	8	" "
G	Old 25.....	Clapp & Jones Mfg. Co.,	Nov., 1890	9	5½	8	First "
H	Old 37.....	Manchester Loco. works,	July, 1867	7½	4½	8	Second "
I	Old 35.....	Clapp & Jones Mfg. Co.,	Aug., 1890	9	5½	8	First "

Also five hose wagons.

Chemical Companies.

CHEMICAL EXERCISES.—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.....	Buttrick st.....	Babcock Manufacturing Co.....	Oct., 1890	Gals.
2.....	Church st.....	"	April 25, 1874	100
3.....	Longwood ave.....	"	July 27, 1874	100
4.....	Shawmut ave.	Rebuilt by Hinman in 1886.....	Used as a spare one, engine and put in ser- vice Dec. 20, 1895	100
5.....	Washington, between Atherton and Bee- thoven sts.	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
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.

A.....	Old Chemical 2.....	Charles T. Holloway.....	.....	100
B.....	Old Chemical 1.....	"	.....	100
C.....	Spare.....	Babcock Manufacturing Co. ....	.....	100

Ladder Companies.

LADDER TRUCKS.—Seventeen in service, including four 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.....	Hummennan & Co.....	Dec. 20, 1869	12
2.....	Paris st., East Boston.....	Rebuilt by T. Strangman & Son.....	1899	12
3.....	Harrison ave., cor. Bristol st.....	Abbot-Dowling Co.....	June 2, 1886	14
4.....	Dorsey st., Roxbury.....	"	April 23, 1884	15
5.....	Fourth st., Dorchester.....	Hummennan & Co.....	March 3, 1870	17
6.....	Temple st., Dorchester.....	"	Aug. 18, 1873	17
7.....	Meeting House Hill.....	C. T. Holloway & Co.....	July 28, 1868	10
8.....	Fort Hill sq.....	Fire Department Repair-shop.....	Aug. 23, 1898	12
9.....	Main st., Charlestown.....	Leverich & Co., N.Y.....	Oct. 6, 1872	15
10.....	Centre st., Jamaica Plain.....	"	Dec. 21, 1870	12
11.....	Chestnut Hill ave., Brighton.....	"	April 13, 1872	14
12.....	Tremont st., Roxbury.....	"	July 31, 1880	Hayes Extension
13.....	Washington st., near Dover.....	Ryan Bros.....	March 12, 1890	Extension
14.....	Fort Hill sq.....	La France Fire-Engine Co., Elmira, N.Y.....	Jan. 30, 1893	15
15.....	Boyiston st.....	Fire Extinguisher Manufacturing Co., Chicago.....	April 28, 1888	Extension
16.....	Washington, cor. Poplar st., Roslindale.....	"	Sept., 1888	Extension
17.....	Harrison ave.....	Repair-shop.....	April 29, 1891	87 feet

Ladder Trucks.—In Reserve.

Description.	Builders.
Relief B. old 8.....	"
Old Ladder 11.....	Fire Department Repair-shop.....
" 4.....	Hummennan & Co., rebuilt as Combination in 1900.
" 8.....	La France Fire-Engine Co., Elmira, N.Y.....
" 8.....	Abbot & Dowling.....

Combination Companies.

COMBINATION TRUCKS.—Six in service, located as follows: One in City proper, one in East Boston, one in South Boston, one in Charlestown, one in Dorchester, and one in West Roxbury.

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	70
2.....	Fourth st., South Boston.....	"	May, 1893	70
3.....	Andrew sq., South Boston.....	Fire Extinguisher Mfg. Co., "	Jan., 1898	70
4.....	Seaver's cor. Boylston & 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., Charlestown.....	"	Nov. 1, 1899	70
9.....	Centre st., West Roxbury.....	Charles T. Holloway & Co., "	April 25, 1900	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 of fuel.

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 jobbing and three for Fire-alarm branch. District chiefs' sleighs, seven.

SPARE APPARATUS. — Nine steam fire-engines, four ladder trucks three chemical engines, one hose-pump, one salt-pung, 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, 5-ft. bed; one 14-inch swing patent engine lathe, 5-ft. bed; one 25-inch shaping machine, one 68-inch radial drill, one duplex and one Blake pump for feeding boilers, one Knowles triplex pump for testing hose, one patent goose-neck belt drill, one band saw, one circular saw, one monarch boring machine, together with numerous smaller tools and appliances, and also tools for repairing hose and harness.

Three upright rubber rollers, 100-horse power.

Two hand pumps 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,	16,000 feet.		6,500 feet.
" rubber,			1,350 "
Chemical,	1,000 "		450 "
Suction,	205 "		56 "
Totals,	17,205 "		8,356 "

Amount of hose in use and in store February 1, 1901.

In use.		In store.	
Leading cotton,	80,650 feet.		14,850 feet.
" rubber,	7,300 "		1,750 "
Chemical,	9,550 "		1,150 "
Suction,	946 "		201 "
Totals,	98,446 "		17,951 "

HORSES.

Purchased during the year	48
Sold or exchanged	30
Died	1
Killed for cause	1
Number in the Department	358

MONTHS. 1900-1901.	ALARMS RECEIVED.					Loss.	Insurance.		ALARMS.			BUILDINGS.																					
	From Whom.						Buildings.	Contents.	Buildings.	Contents.	Fire.	False.	Needless.	Still.	Confined to buildings.	Extended to others.	Needless still alarms.	BUILDINGS.															
	Members.	Police.	Citizens.	Automatic.	Unknown.													Accidental.	Total.	Fire.	False.	Needless.	Telegraph.	Still.	Continued to buildings.	Expanded to others.	Needless still alarms.	No damage.	Slight damage.	Considerable damage.	Totally destroyed.	Out of city.	Fires not in buildings.
1900.																																	
February.....	8	12	139	9	1	169	\$41,402	\$75,645	\$601,673	\$675,500	88	2	14	65	128	4	11	47	75	14	2	1	9										
March.....	6	18	145	3	1	173	67,740	133,096	1,432,746	1,392,500	78	2	11	82	131	4	11	45	83	14	1	1	13										
April.....	8	20	160	6	1	184	23,792	13,840	1,442,914	137,050	100	7	87	130	130	15	49	70	8	3	2	40											
May.....	8	8	134	12	2	164	41,108	118,128	1,242,398	646,550	81	5	2	76	115	3	15	45	71	7	3	21	57										
June.....	10	33	222	13	2	278	25,445	42,121	1,245,390	335,633	116	2	12	148	176	7	23	65	115	10	4	1	37										
July.....	16	44	244	14	4	322	81,569	327,212	841,900	430,800	128	6	8	180	165	5	25	77	82	13	6	3	110										
August.....	4	9	144	10	1	168	42,837	82,488	888,364	284,975	78	2	4	84	113	2	19	46	69	11	2	2	28										
September.....	6	17	137	6	3	169	41,547	48,223	640,210	345,575	85	3	8	73	101	5	9	44	68	7	7	43	38										
October.....	3	18	125	10	1	154	14,555	50,181	1,337,850	448,700	74	4	8	68	104	2	21	37	66	4	1	2	33										
November.....	7	22	128	9	1	160	19,755	30,845	928,960	236,275	88	4	74	120	3	14	39	84	4	2	1	24	34										
December.....	15	19	180	16	3	233	64,689	296,533	1,336,450	1,031,750	117	4	6	105	175	3	22	58	111	14	1	22	1										
1901.																																	
January.....	3	18	191	7	2	221	51,142	58,164	994,739	459,065	114	3	4	100	183	2	14	64	105	17	1	2	13										
Totals.....	94	258	1,947	115	16	2,411	\$315,671	\$1,182,546	\$12,457,492	\$6,354,324	1,147	33	88	1,143	1,641	40	159	616	980	123	29	17	353										

#32 31 98 1137

CAUSES OF FIRES AND ALARMS FROM FEBRUARY 1, 1900, TO FEBRUARY 1, 1901.

Alarms, accidental automatic	98
" false	33
" out-of-city	17
Accidental breaking of box	1
Ashes, hot, in wooden receptacle	32
Boiling over of fat or tar	31
Bonfires, grass, rubbish, etc., set by boys	232
Careless use of lamps, candles, etc.	58
" " pipes and cigars in smoking	52
Chimneys, soot burning	86
" defective	30
" falling	1
Hot iron igniting woodwork	5
Clothes too near stove	19
Defective flue	11
" stove-pipe	5
" gas-pipe	3
" gas-meter	1
" gas-jet	6
Electric motor igniting car	11
" wires	51
Explosion and ignition of chemicals	4
Fireworks	47
Friction	6
Fumigating	2
Gas, explosion of	5
" ignition of leaky pipes	7
" jet setting fire	56
Incendiary	35
" supposed	18
Lamp explosion	58
" upsetting and breaking	68
" thrown at a person	3
Light mistaken for fire	22
Lightning	2
Matches and rats	23
" children	88
" careless use of	133
Meat burning on stove	8
Naphtha, careless use of, and ignition	15
Explosion of tank	1
" boiler	1
" gunpowder	1

Explosion of can of milk	1
“ “ hot water heater	1
Oil stove, careless use of, and explosion	76
Gas stove, “ “ “ “	18
Plastering, drying	6
Overheated boiler or steam-pipe	22
“ coke	1
“ oven	5
“ stove or furnace	43
Rekindling of ruins of previous fire	4
Plumber's stove upsetting	5
Slacking of lime	3
Smoky chimneys	35
“ stove or furnace	64
Sparks from another fire	13
“ “ furnace or stove	14
“ “ chimney	37
“ “ forge	11
“ “ engine or locomotive	34
Spontaneous combustion	51
Steam escaping	11
Street fight	2
“Police,” mistaken for call of “fire”	3
Thawing out beer-pipes	1
Unknown	531
Upsetting of stove	3
Water-pipes, thawing out	28
Wood drying in oven	2
Total	<u>2,411</u>

Extinguished by

Extinguishers	390
Buckets of water	251
Chemical engines	453
Hydrant stream	208
Steamers	375
Miscellaneous, brooms, stamping out and smothering,	108
Citizens	287
Sprinklers	2

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. 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, Roxbury, 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, Columbia road, Dorchester, composition, 3,026 lbs.
 Faneuil Hall, steel, 5,816 lbs.
 Fire Alarm Shop, bell formerly used on house of Engine No. 40, composition, 817 lbs.
 Ladder House No. 4, Dudley street, Roxbury, 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, Roxbury, 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.

Roxbury.

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: 113, 115, 119, 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, 466, 469, 495, 511, 533, 617, 619, 623, 624, 629, 698, 711, 714, 715, 716, 718, 722, 724, 725, 726, 727, 728, 729, 731, 732, 733, 734, 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.

Pray accept for yourself my full appreciation of the uniform support with which you have favored me.

Your obedient servant,

HENRY S. RUSSELL,
Commissioner.