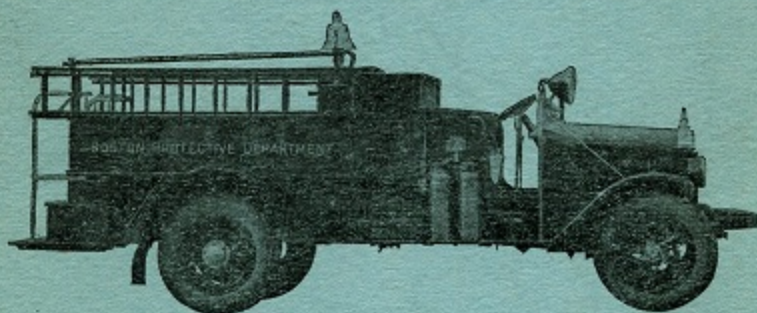


RM

Boston Protective Department



FIFTY-FOURTH

ANNUAL REPORT

FOR THE CALENDAR YEAR

1927

FIFTY-FOURTH
ANNUAL REPORT

OF THE

Boston Protective Department

FROM

January 1, 1927 to January 1, 1928

OFFICERS

President:

R. J. DUNKLE

Vice-President:

T. H. RATIGAN

Directors:

TO SERVE UNTIL MARCH, 1928

R. J. DUNKLE

WILLIAM GILMOUR

EDWARD C. STONE

TO SERVE UNTIL MARCH, 1929

BURTON S. FLAGG

A. W. BURKE

G. B. PROCTOR

TO SERVE UNTIL MARCH, 1930

T. H. RATIGAN

A. K. POPE

WILLARD C. HILL

Secretary-Treasurer:

CHARLES W. GOODING

Superintendent:

H. E. THOMPSON

Medical Officer:

DR. WM. F. TEMPLE, JR.

BOSTON, January 1, 1928.

TO THE MEMBERS OF THE
BOSTON PROTECTIVE DEPARTMENT:

The Directors submit herewith the 54th Annual Report of the Department with the reports of the Superintendent, Treasurer, Medical Officer and statistical tables.

The Board recommends, first, that the active duties of the Department be continued for another year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding two hundred and twenty-five thousand, one hundred and ten dollars.

For the Directors,

R. J. DUNKLE,

President.

TREASURER'S REPORT

CURRENT INCOME AND EXPENSE ACCOUNT FOR THE YEAR
ENDING DECEMBER 31, 1927

RECEIPTS:

Assessments	\$170,787.33	
Interest	500.67	
Special Service	2,284.14	
Transferred from Reserve	44,000.00	
		\$217,572.14

EXPENDITURES:

Pay Roll and Salaries	\$178,641.64	
Repairs of Houses	291.11	
Telephone and Fire Alarm	1,292.81	
Water, Light and Fuel	3,838.63	
Printing, Stamps and Office Supplies ...	1,252.26	
Auto Supplies and Repairs	7,212.04	
Miscellaneous Department Supplies ...	2,511.47	
New Equipment and Furnishings	1,746.19	
Repairs of Equipment	209.35	
Rent and Taxes	7,590.00	
Compensation and other Insurance	12,088.10	
Sundries	234.99	
		\$216,908.59
Total Expenditures	\$216,908.59	
Balance, December 31, 1926	663.55	
		\$217,572.14

CHARLES W. GOODING, *Treasurer.*

Boston, January 14, 1928.

Audited and found correct

WM. H. LORING,	} <i>Auditing Committee.</i>
HENRY W. PORTER,	
J. E. DOWNEY	

STATEMENT OF ASSESSMENTS MADE IN 1927

July 1, 1926, to December 31, 1926:

Premiums on Fire & Sprinkler		
Damage	\$4,068,213.77 at 2%	\$81,311.95

January 1, 1927, to July 1, 1927:

Premiums on Fire & Sprinkler		
Damage	\$4,636,196.69 at 2%	\$92,724.92

Assessments not Paid

\$174,036.87
3,249.54
\$170,787.33

July 1, 1927, to December 31, 1927:

Premiums on Fire & Sprinkler		
Damage	\$4,418,886.41 at 2%	\$88,377.68

SUPERINTENDENT'S REPORT.

HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT. }
OFFICE OF SUPT., No. 40 PURCHASE ST. }

BOSTON, January 1st, 1928.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen:—I herewith submit the Fifty-fourth Annual Report of operations of the Department for the year ending December 31st, 1927.

CALLS AND SERVICE

The department responded to 3,412 City boxes, 2,559 Verbal, 148 Boston Automatic Fire Alarms, 136 American District Telegraph, which includes 72 Sprinkler Breaks, 161 Sprinkler Troubles, Total 6285; also 25 Water Damages, Total calls 6310.

The service rendered was 66 fire extinguishers used, 7,592 covers spread on merchandise at fires and other calls, 376 covers on roofs, 208 covers protecting merchandise after fires from storms. Total covers used 8,176.

The hours service were 4,212.55 at fires, 257.54 protecting merchandise &c after fires, and 2,441.58 privates detailed after fires. Total 6,912.47.

OF THE 7,351 ALARMS, 4,810 ALARMS OR 65.43 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The total loss on buildings, contents, rents, vessels and cargoes was \$3,937,329.78 divided as follows;

	Losses		Totals
	Insured	Not Insured	
Buildings	\$ 1,928,108.41	\$ 62,582.07	\$1,990,690.48
Contents	1,573,686.00	130,265.21	1,703,951.21
Rents	9,957.16	—	9,957.16
Vessels	222,457.37	10,273.56	232,730.93
Cargoes	—	—	—
Totals	\$3,734,208.94	\$203,120.84	\$3,937,329.78

• WATER DAMAGE OTHER THAN FIRES.

	Losses		Total
	Insured	Not Insured	
Building	—	\$1,445.00	\$1,445.00
Contents	—	6,417.00	6,417.00
		\$7,862.00	\$7,862.00

Total calls, 25 (18 with losses). On duty 21h. 37m. Covers spread 55.

ORGANIZATION OF DEPARTMENT.
 Superintendent, HENRY E. THOMPSON.

Co. No. 1. 40 Purchase St.	Total	Co. No. 2. 4 Appleton St.	Total	Co. No. 3. 159-161 Roxbury St.	Total	Grand Total
Captain E. Abbott.....	1	S. A. McDonnell.....	1	A. F. Swift.....	1	3
Lieuts. { J. J. Carty.....	2	{ G. E. Blakeley	2	{ M. J. Gleason....	2	6
{ J. F. Sullivan.....		{ J. S. Weir.....		{ B. J. McTernan....		
First Grade Privates.....	24	.....	21	.....	17	62
Third " ".....		.....	1	.....		1
Totals	27		25		20	72

PENSIONERS

CAPTAINS	2
FIRST GRADE PRIVATES	1
	75

OPERATIONS OF THE DEPARTMENT.

	Co.No.1	Co.No.2	Co.No.3	
Responses to Alarms.	{ City Boxes.....	922	1228	1972
	{ Still.....	537	747	1514
	{ Automatic.....	107	60	12
	{ A. D. T.....	98	57	6
	Totals	1664	2092	3504
Responded to by	{ Automobiles.....	1344	2102	3329
	{ Privates in outlying districts....	459	.....	222
Hours Duty	{ At fires and responding to calls	1115.56	1262.46	1834.13
	{ Assisting Fire Department.....	.....	.....	.....
	{ After fires protecting mdse.....	102.46	91.19	63.49
	{ Details after fires.....	1277.09	691.38	473.11
Totals	2495.51	2045.43	2371.13	
Covers Used	{ At fires and sprinkler calls.....	3717	2217	1658
	{ On roofs after fires.....	160	111	105
	{ Protecting mdse. after fires.....	147	2	59
Totals	4024	2330	1822	
Extinguishers used	20	26	20	
<i>The Second Section was called in service as follows:</i>				
	Co.No.1	Co.No.2	Co.No.3	
On First Alarms	{ When first out section was at fire	133	271	514
	{ When both sec. were at previous fire	14	33	46
	{ While cov. adj. company district	13	73	23
On Second Alarms.....	20	23	15	
On Telephone calls.....	34	14	10	
On Messenger calls.....	1	.....	.....
To Cover Adjoining company district....	90	295	79	
Totals	305	709	687	
No. fires at which roofs were protected	74	53	68	

SPRINKLER RECORD. FIRES.

Sprinklers Operating		Heads	Sprinkler Heads Replaced			Heads	Where Sprinkler Heads Operated	Floors	Condition of System when left	No.
10.	Fires of 1 head each	107	97	Fires of 1 head each	97	Sub-Basement	3	O. K.	157	
33	" " 2 heads "	66	32	" " 2 heads "	64	Basement	71	Partially Operative	12	
9	" " 3 " "	27	9	" " 3 " "	27	First-floor	37	Shut Off	15	
8	" " 4 " "	32	8	" " 4 " "	32	Second "	18			
7	" " 5 " "	35	5	" " 5 " "	25	Third "	7			
3	" " 6 " "	18	3	" " 6 " "	18	Fourth "	16			
6	" " 7 " "	42	6	" " 7 " "	42	Fifth "	21			
2	" " 8 " "	16	1	" " 8 " "	8	Sixth "	9			
1	" " 9 " "	9	1	" " 9 " "	9	Eighth "	1			
1	" " 11 " "	11	1	" " 11 " "	11	Roof (Pent House)	1			
* 2	" " 12 " "	24								
1	" " 27 " "	27								
1	" " 33 " "	33								
1	" " 39 " "	39								
1	" " 63 " "	63								
† 1	" " 284 " "	284								
184	Totals	833	Totals		333	Totals	184	Totals	184	

* 1 Fire operated 1st and 2nd floors.

† 1 " " 3rd, 4th and 5th floors

RUPTURED HEADS AND PIPES.

Sprinklers Ruptured	Heads	Causes	No.	Condition of System when left	O. K.	Parti. oper.	Shut off
40 Breaks of 1 head ea.	40	Water freezing in heads	12	Condition	10	1	1
2 " " Couplings		" " "couplings	1	"			1
10 " " Elbows		" " "elbows	6	"	2	1	3
19 " " Pipes		" " "pipes	3	"		2	1
1 " " Check Valve		Defective heads	15	"		14	1
		" elbows	1	"	1		
		" pipes	2	"	1		
		Striking couplings	1	"		1	
		" elbows	2	"			
		" heads	12	"	8	2	2
		" pipes	14	"	6	3	5
		Blowing out of plug	1	"			1
		Workmen removing head	1	"	1		
		Unknown	1	"			1
72	Totals	Totals	72	Totals	43	11	18

DUTY PERFORMED

Hours service 61h. 21m. Detailed duty 9h. 21m. Extra service 2h. 11m. Covers spread 177

TROUBLES.

Alarm pots, defective.....	6
Closing and opening valves (2 drip 1 cold weather).....	3
Defective junction box.....	1
Low pressure.....	2
Leaky valves (drip).....	1
Tampering with valves (1 drip 1 test).....	2
Testing.....	1
Closing and turning on system.....	3
Striking manual box.....	1
Water hammer.....	35
" in dry pipe system.....	41
Working on system.....	7
Defective transmitter.....	7
Unknown.....	51
Totals.....	161

DUTY PERFORMED

Hours service 75h. 54m. Detailed duty 10h. 23m.
Extra Service 2h. 40m.

DISTRICTS WHERE FIRES OCCURRED OR ALARMS
WERE GIVEN

Including Fire Department Still Alarms.

City Proper.....	2295
Roxbury District.....	1152
Charlestown.....	286
East Boston.....	392
South Boston.....	457
Dorchester.....	1332
West Roxbury.....	677
Brighton.....	518
Hyde Park.....	225
Boston Harbor.....	1
Brookline.....	10
Cambridge.....	1
Dedham.....	1
Somerville.....	1
Milton.....	1
Newton.....	2
Total.....	7,351

WHEN ALARMS OCCURRED

Months		Days of Week.		Hours of the Day	
1927					
January	603	Monday	1119	Day Service	6 to 7 A.M. 85
February	458	Tuesday	961		7 to 8 " 171
March	844	Wednesday	994		8 to 9 " 185
April	1179	Thursday	1050		9 to 10 " 257
May	424	Friday	1072		10 to 11 " 331
June	651	Saturday	1168		11 to 12 Noon..... 351
July	531	Sunday	987		12 to 1 P. M. 386
August	419			Night Service	1 to 2 " 404
September	466				2 to 3 " 412
October	499				3 to 4 " 394
November	564				4 to 5 " 466
December	713				5 to 6 " 535
Totals.....	*7351		*7351		6 to 7 " 466
					7 to 8 " 452
					8 to 9 " 496
					9 to 10 " 465
					10 to 11 " 398
				11 to 12 Midnight. 272	
				12 to 1 A. M. 250	
				1 to 2 " 169	
				2 to 3 " 121	
				3 to 4 " 91	
				4 to 5 " 91	
				5 to 6 " 103	
Totals.....	*7351		*7351		*7351

*5 Fires extinguished by occupants are included in these totals.

STATEMENT BY MONTHS

Of Alarms for Fires Responded to by One or More Companies of this Department, Together with Other Statistics

Months.	Alarms attended by this Dept.				Extinguished by occupants. No alarm given.	Water Damage Calls.	Still Alarms attended by Fire Department only.	Total Alarms.	Sprinklers operated on fires.	Sprinkler breaks or defects.	Alarms for fires on vessels.	Covers Spread			Extinguishers used.	Duty at fire and responding to calls. Hrs. m	Duty after fires. Hrs. m	Detail after fires. Hrs. m
	City Boxes.	Still.	Automatic.	A. D. T.								At fires and sprinkler calls.	On roofs after fires.	Protecting mdsse. after fires.				
Jan. 1927	270	261	17	18	18	9	86	612	18	42	0	866	41	18	4	467-36	31-59	366-53
Feb. "	263	199	12	11	16	0	29	456	16	21	2	613	17	55	0	307-38	21-13	179-36
Mar. "	363	339	17	17	18	0	115	842	18	11	1	912	30	17	7	518-16	22-40	303-57
April "	507	335	17	12	26	1	303	1176	26	18	2	1161	63	20	7	596-46	34-37	321-48
May "	212	134	9	12	12	2	57	426	12	17	4	543	40	3	7	256-29	17-06	107-58
June "	328	204	14	4	17	1	99	650	17	9	4	607	30	3	7	353-54	15-20	167-21
July "	266	170	9	6	10	3	79	532	10	12	1	414	31	0	13	278-09	17-18	150-30
Aug. "	226	151	6	14	15	2	41	422	15	20	2	712	43	73	1	260-27	37-40	317-31
Sept. "	234	143	9	13	10	1	66	467	10	12	0	116	7	0	8	204-20	2-58	68-16
Oct. "	253	178	14	7	18	2	47	500	10	18	0	296	30	0	5	264-51	8-23	66-43
Nov. "	275	186	12	21	18	2	70	566	18	28	1	349	12	0	6	287-00	10-58	204-18
Dec. "	305	279	12	11	14	1	103	711	14	25	3	1003	32	21	1	417-49	37-42	187-07
Totals	3442	2559	148	136	184	25	1045	7360	184	233	22	7592	376	208	66	4,212-55	257-54	2,441-52

* 16 Alarms for assistance from other cities and towns not included

GRADE OF LOSSES FOR 1927.

4810	Alarms with no loss		\$37,298.11
957	Fires with loss under	\$100	182,514.85
792	" " " from	\$100 to \$500	149,481.39
211	" " " "	\$500 to \$1,000	899,112.68
397	" " " "	\$1,000 to \$5,000	512,740.09
75	" " " "	\$5,000 to \$10,000	226,657.01
19	" " " "	\$10,000 to \$15,000	
	Over \$15,000		
1	Jan. 3, 1927	5 Albany St., Sobel Shoe Co., Inc.	20,338.06
1	" 12, "	286 Walnut Ave., S. Schucker, et al	18,440.00
1	" 12, "	109-11 Waumbuck St., J. Gray, et al	23,287.50
1	" 13, "	531-7 Albany St., Gordon Supply Co., et al	152,254.19
1	" 13, "	15-17 Columbia St., Macey Morris Co., et al	41,389.51
1	" 24, "	83 Newbury St., Musicians Supply Co., et al	50,037.85
1	" 26, "	650-4 Centre St., A. S. Pearlman, et al	19,287.63
1	" 27, "	133-9 North St., A. Baldini Co., et al	19,251.70
1	Feb. 24, "	332-4 A St., American Storage Battery Co., et al	42,632.72
1	Mar. 6, "	15-18 City Sq. & 2-10 Park St., Waverly Clothing Co., et al	16,637.50
1	" 25, "	326-38 Atlantic Ave. & 1-2 Rowes Whf., Argonaut Club, et al	37,186.00
1	" 30, "	668-72 Centre St., I. Rosnov, et al	33,622.11
1	Apr. 1, "	211-13 A St., Sherwin-Sheppard Co., et al	50,558.58
1	" 3, "	7-9 Fish Pier, Whitman, Ward & Lee Co., et al	22,247.56
1	" 8, "	268-76 Franklin St., E. I. DuPont de Nemours & Co., et al	22,600.00
1	" 10, "	145-55 Brighton Ave., T. Murphy, et al	77,286.03
1	" 13, "	32-4 Dorchester Ave., Foss & Co., Inc., et al	32,616.63
1	" 13, "	47-53 Farnsworth St., Corn Product Sales Co., et al	25,386.70
1	" 14, "	24 Crowell St., R. Shuman, et al	18,111.71
1	" 16, "	Boylston & Amory Sts., Boylston Congregational Church	17,235.20
1	" 21, "	349 Newbury St., School of Fine Arts & Crafts, et al	45,687.21
1	" 24, "	16-18 Brighton St., National Furniture Co., et al	16,691.45
1	" 30, "	73-5 South St., M. N. Berkovitch, et al	48,210.00
1	May 20, "	321-5 Summer St., Howe & Fenlon, et al	44,606.65
1	" 24, "	67 Nottinghill Rd., W. A. Hermanson, et al	26,574.80
1	" 27, "	88-90 Commercial Whf., E. F. Houghton & Co., et al	37,940.27
1	" 28, "	28-36 Merchants Row, Apts Dairy Lunch, et al	17,568.10
1	June 4, "	145-9 Staniford St., United Wearing Apparel, Inc., et al	53,376.24
1	" 12, "	24 North St., W. T. Crowther & Son, et al	16,892.24
1	" 22, "	47 Bay State Rd., W. L. Shearer, et al	133,749.00
1	July 16, "	11 Columbia St., J. Hetherington & Sons, et al	81,088.88
1	Aug. 24, "	112-14 Sudbury St., Bankers Electric Protective Ass'n, et al	46,573.91
1	Sept. 8, "	Brighton Abattoir, Butcher's Slaughtering & Melting Ass'n.	35,798.00
1	Oct. 3, "	42-8 Woodlawn Ave., J. J. Noonan Est., et al	44,649.00
1	" 5, "	35 Hawkins St., C. H. Graves & Sons, et al	68,821.30
1	" 11, "	89-95 Summer St., J. F. Kilderry, et al	15,315.27
1	" 18, "	243 North St., Lovell & Covell Co., et al	15,761.55
1	Nov. 1, "	2101-15 Washington St., Signal Shoe Co., et al	19,079.57
1	" 14, "	Cambridge St., Boston & Albany R. R.	47,483.34
1	" 24, "	45 Englewood Ave., C. Dodd, et al	17,393.00
1	Dec. 16, "	68-70 Bartlett St., J. Ross, et al	62,679.46
1	" 25, "	170-2 Washington St., S. J. Beckwith & Co., et al	16,226.46
1	" 26, "	26-8 Commonwealth Ter, Mrs. S. F. Healey, et al	17,115.68
1	" 27, "	26-32 Atlantic Ave., P. Goldstein Co.	17,149.00
7305	Marine Losses		3,694,641.69
11			232,730.93
7316	Rent Losses		3,927,372.62
			9,957.16
35	Sprinkler Losses (no fire)	\$20,929.97	3,937,329.78
7351			

CAUSES OF ALARMS AND OF ALARMS WITH LOSS
DURING 1927.

	Alarms	Alarms with Loss
a1 Assistance beyond City Limits.....	16	
Arson		
Ashes		
Benzine.....		
Boilers.....		
1 Chimneys, Flues, Cupolas and Stacks, overheated or defective Cigars, Cigarettes and Pipes.....	87	44
2 Conflagration.....		
Cotton Pickers.....		
3 Electricity	537	259
4 Explosions	200	79
5 Exposure	123	116
5a False and Needless Alarms.....	468	
6 Fireworks, Fire Crackers, Balloons, etc.....	36	23
Flues		
7 Friction—Sparks—Occasioned by running machinery, in- cluding Pickers, Carding Machines, Gins, etc.....	34	16
Furnaces		
Gas		
8 Gas—Natural and Artificial	53	29
Gasolene		
9 Hot Ashes and Coals.....	79	36
10 Hot Grease, Oil, Tar, Wax, Asphalt, ignition of.....	113	38
11 Hot or Molten Metal.....	4	4
Hot Water Pipes.....		
12 Incendiarism	36	26
Kerosene (See No. 19; also Explosions No. 4).....		
13 Lightning—buildings rodded.....		
14 Lightning—buildings not rodded.....	9	7
Locomotives.....		
15 Matches	796	525
16 Miscellaneous—Cause known but not Classified.....	392	47
17 Open Fires	109	5
18 Open Lights.....	122	79
19 Petroleum and its products.....	73	29
Pickers		
Railroad		
19a Rekindling of a previous fire.....	10	1
20 Rubbish and Litter.....	1674	13
21 Smoking	622	413
22 Sparks—Arising from combustion.....	145	74
23 Sparks on Roof.....	80	61
24 Spontaneous Combustion.....	112	60
24a Sprinklers	233	35
Stacks		
25 Steam and Hot Water Pipes.....	16	7
26 Stoves, Furnaces, Boilers and their pipes.....	763	155
Stove Pipes		
27 Unknown	409	360
28 Unknown origin but investigation important.....		
Totals.	7351	2541

This table includes 1045 fire department still alarms of which we were not notified, and 5 fires for which no alarms were given but which were extinguished by occupants.

STATEMENT BY MONTHS OF INSURANCE AND LOSSES.

Months	Buildings		Contents		Rents		Vessels		Sprinkler Losses (no fire)	
	Insurance	Loss Insured	Loss not Ins.	Insurance.	Loss Insured.	Loss not Ins.	Insurance.	Loss	Insurance	Loss
1927										
Jan.	\$5,411,354.20	\$252,411.37	\$7,991.85	\$3,733,149.00	\$288,706.54	\$12,776.63	\$50,000.00	\$5,446.16	\$45,000.00	\$2,194.00
Feb.	3,266,468.81	109,985.85	1,056.32	1,736,820.75	98,906.15	4,316.00			\$96,500.00	\$1,203.00
Mar.	14,318,088.31	196,789.63	6,119.63	1,227,467.00	134,352.27	18,867.85			57,500.00	1,188.49
April	7,570,213.90	280,484.77	5,065.77	2,231,205.32	283,898.31	36,593.70			15,250.00	916.81
May	9,590,786.00	431,022.58	1,241.88	1,760,384.00	119,188.29	6,859.50			750.00	154.24
June	8,662,128.00	212,609.07	15,206.00	1,730,326.00	162,613.05	6,547.80			213,943.00	902.20
July	3,534,429.00	89,410.32	1,107.07	896,453.00	119,901.83	5,459.57			50,000.00	173.84
Aug.	3,767,000.00	100,408.44	2,065.00	521,860.00	70,258.98	7,658.78			85,000.00	72.00
Sept.	4,770,501.00	71,442.49	11,046.72	1,324,584.00	33,409.78	1,729.00			29,000.00	799.60
Oct.	6,257,454.00	130,826.18	6,183.60	809,970.00	83,908.57	10,187.29			7,500.00	1,344.50
Nov.	2,694,332.00	155,408.95	2,865.00	519,307.00	65,902.48	4,857.00			261,900.00	14,148.29
Dec.	8,947,184.72	197,313.76	2,633.23	2,468,679.00	117,637.75	16,502.00			\$673,150.00	\$20,929.97
Totals	\$78,789,939.97	\$1,928,108.41	\$62,582.07	\$18,953,205.07	\$1,573,686.00	\$130,265.21	\$214,800.00	\$9,957.16	\$333,943.00	*\$232,730.93

*Loss on Vessels not insured \$10,273.56.

*Insured loss on Vessels \$222,457.37.

STATISTICS FOR YEAR ENDING
DECEMBER 31, 1927

Population		799,200
Area Square Miles.....		47.81
Number of Brick, Stone, Concrete, Steel frame, B, etc. 40,093	}	*127,921
" " Wooden Buildings.....			87,828
" " Alarms, exclusive of False and Needless.....	}	7,351
" " False and Needless Alarms.....			468
" " Calls to assist other Cities and Towns.....	}	6,634
" " Sprinkler System breaks and defects.....			233
" " Fires in Brick and Stone Buildings.....	}	6,634
" " Fires in Wooden Buildings.....			2,385
" " Fires in Concrete Blocks.....	}	6,634
" " Fires in Fireproof.....			62
" " Fires in Ironclad.....	}	6,634
" " Fires in Reinforced Concrete.....			2
" " Fires not originating in Buildings.....	}	6,634
" " Fires confined to floor where fire .....			13
originated.....	}	6,634
confined to Building but not to floor of origin.....			2,620
extending to adjoining Building.....	}	6,634
extending beyond adjoining Building .....			3,542
originating in Automobiles..	}	6,634
not originating in Buildings			348
not originating in, but involving Buildings	}	6,634
not originating in, but involving Buildings .....			97
not originating in, but involving Buildings	}	6,634
not originating in, but involving Buildings .....			27
not originating in, but involving Buildings	}	6,634
not originating in, but involving Buildings .....			589
not originating in, but involving Buildings	}	6,634
not originating in, but involving Buildings .....			1,964
not originating in, but involving Buildings	}	6,634
not originating in, but involving Buildings .....			67

* January 1, 1928. By courtesy of City of Boston Building Department.

	Buildings including Docks, Vessels, Tank and Permanent Fixtures.	Contents	Total
Total Insurance on the property on which claim for loss was made	\$79,123,882.97	\$18,953,205.07	\$98,077,088.04
Total Insurance Loss....	2,150,565.78	1,573,686.00	3,724,251.78
Total Loss (insured and uninsured)	2,223,421.41	1,703,951.21	3,927,372.62
Rents insured.....			9,957.16
Losses on buildings and contents in which fires originated, i.e., direct losses	2,162,571.54	1,687,425.73	3,849,997.27
Losses on buildings and contents in which the fires did not originate i.e., exposure losses	60,849.87	16,525.48	77,375.35

Review of grade of losses for ten years

Years	Total Al'm.	No Loss	Under \$100	\$100 to 500	\$500 to 1000.	\$1000 to 5000.	\$5000 to 10,000	\$10,000 to 15,000	Over 15,000
1918	5433	3617	892	531	115	191	30	10	35
1919	5647	3687	903	574	155	208	30	17	26
1920	4688	2928	780	536	135	223	37	15	34
1921	5268	3320	820	612	167	227	53	25	44
1922	6184	4048	886	651	198	285	59	17	40
1923	7377	5069	977	693	168	319	76	33	54
1924	8117	5428	1037	804	239	405	105	40	59
1925	7678	4998	1005	831	253	390	104	31	66
1926	7787	5078	1045	773	277	422	90	39	63
1927	7351	4810	*977	*802	*219	*401	*75	*22	44

*35 Sprinkler losses included, viz., 17 under \$100. 9 from \$100 to \$500.
7 from \$500 to \$1,000. 1 from \$1,000 to \$5,000. 1 from \$10,000 to \$15,000.

Review of total alarms, fires with loss, loss, average loss of total alarms, and average loss of fires with loss, for ten years

Years.	Total Alarms.	Fires with Loss	Loss.	Average Loss of Total Alarms.	Average Loss of Fires with Loss.
1918	5,433	1,774	\$2,827,612.34	\$520.45	\$1,593.92
1919	5,647	1,921	2,581,085.15	457.07	1,343.61
1920	4,688	1,707	3,143,528.89	670.54	1,841.55
1921	5,268	1,910	4,017,158.64	762.56	2,103.22
1922	6,184	2,109	3,331,485.17	538.73	1,568.88
1923	7,377	2,271	6,323,331.48	857.17	2,784.38
1924	8,117	2,626	4,825,216.13	594.48	1,837.48
1925	7,678	2,632	5,474,749.06	713.04	2,080.07
1926	7,787	2,709	5,268,941.87	676.63	1,944.98
1927	7,351	†2,541	3,937,329.78	535.62	1,549.52

The above tables include Still Alarms.

† Does not include 35 Sprinkler losses.

In conclusion, I desire to express my sincere thanks to all departments or persons who have in any way assisted this Department during the past.

Respectfully submitted,

H. E. THOMPSON,

Superintendent of Department.

MEDICAL EXAMINER'S REPORT

1927

HENRY E. THOMPSON,
Supt. Boston Protective Department.

Dear Sir:—Your Medical Officer respectfully submits the following report for the year ending December 31, 1927:

Promotions. Examinations for.....	26
Members. Visits to sick.....	33
Members. Visits to injured.....	21
Physicians reports. Attending.....	98
Special reports.....	2
Certificates. Return to duty.....	51

W. F. TEMPLE Jr., M. D.
Medical Officer, Boston Protective Department.

DESCRIPTIVE LIST OF MOTOR APPARATUS

Religion	Put in Service.	Maker's name	No.	Cooling System	Cylinders.		Wheel Base.	Tire size.		Weight Loaded.	Passes (miles)	Remarks.
					No. Size.	H.P.		Front.	Rear.			
3	Oct. 17, 1910	Knox Auto. Co.	3788	W	4	5 1/2	128	38 x 7	40 x 8	11,000	3	
7	Nov. 10, 1914	The White Co.	21625	W	6	4 1/2	158 3/4	38 x 7	40 x 8	10,500	1	
8	" "	"	21628	W	6	4 1/2	158 3/4	38 x 7	40 x 8	10,530	1	
10	Aug. 18, 1916	"	26414	W	6	4 1/2	158 3/4	38 x 7	40 x 8	10,700	3	Condemned
13	Sep. 19, 1919	"	51184	W	4	4 1/2	157 1/2	38 x 7	40 x 8	10,700	3	
14	Sep. 4, 1920	Ford	405124	W	4	3 3/4	123	30 x 3 1/2	32 x 4 1/2	10,700	3	
15	Sep. 4, 1923	Mack Motor Co.	471420	W	4	4 1/2	146 1/2	38 x 7	40 x 8	10,700	2	
16	Mar. 24, 1924	"	472114	W	4	4 1/2	146 1/2	38 x 7	40 x 8	9,630	3	
17	Aug. 5, 1924	"	472115	W	4	4 1/2	146 1/2	38 x 7	40 x 8	11,000	1	
18	Mar. 14, 1927	"	474143	W	4	4 1/2	146 1/2	38 x 7	40 x 8	10,420	2	
P	May 2, 1924	The Buick Co.	1188871	W	6	3 3/8	27	33 x 5	33 x 5	.....	S	Turned in
P	Jun. 10, 1927	"	1853257	W	6	3 3/8	29	33 x 600	33 x 600	.....	S	

W - Water.

S Superintendent

CALLS RESPONDED TO AND MILES TRAVELLED

No.	Years	1927		Totals	
		Calls	Miles	Calls	Miles
3	1910-1926 Inclusive	8,089	19,041.3	8,102	19,192.2
7	1914-1926	6,640	11,691.0	7,231	13,121.4
8	1914-1926	6,827	12,599.2	7,421	15,730.8
10	1916-1926	6,393	28,914.0	7,670	35,410.8
13	1918-1926	6,395	15,588.2	6,679	16,216.8
14	1920-1926	.....	.....	.....	.....
15	1923-1926	5,017	13,790.1	5,736	15,658.5
16	1923-1926	3,053	14,202.1	2,183.0	16,385.1
17	1924-1926	1,296	15,111.6	4,481	22,301.6
18	1924-1926	.....	2,007.9	1,945	3,836.9
E	"	.....	1,311	1,311	3,385.0
F	"	.....	24,769.6	.....	29,256.0
		.....	.....	.....	8,794.0

	Nov. 10, 1914.	Nov. 10, 1914	Oct. 17, 1910	Aug. 8, 1916	Sept. 19, 1910	Sept. 4, 1920	Sept. 4, 1923	Mar. 24, 1924	May 2, 1924	Aug. 5, 1924	Mar. 14, 1927	Jun. 10, 1927
	The White Co.	The White Co.	Knox Motor Co.	The White Co.	The White Co.	Ford Service	Mack Motor Co.	Mack Motor Co.	The Buick Co.	Mack Motor Co.	Mack Motor Co.	The Buick Co.
	1.	1a.	2.	3.	2a.		2	3.		1.	2.	
Put in service.....	21025	21626	3788	26414	51184	4051284	471420	472114	1188871	472115	414143	1858287
Company Nos.....	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927
Makers No.....	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927
Expense.....	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Body—												
Repairs	6.14	4.35	1.74	2.70	3.25	43.75	27.50	.50	4.15	6.14	.....	1.20
Painting .....	.....	.....	.....	1.00	.....	6.25	1.74	4.15	.....	.....	5.50	6.35
Bell .....	.....	.....	.....	308.38	31.70	5.22	22.67	135.88	7.80	1.14	8.03	6.40
Repairs	10.95	118.90	74.75	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chassis—												
Shock Absorber	3.28	20.29	11.06	5.40	7.03	13.66	1.32	28.89	2.07	3.28	1.32	.....
Electric—												
Lighting .....	.....	13.88	11.07	.60	8.32	.....	.....	.....	.....	.....	.....	.....
Starting .....	.....	56.05	39.60	.....	.....	.....	25.46	30.46	3.00	.....	.....	.....
Batteries .....	.25	44.90	19.80	144.06	5.32	238.75	85.33	179.50	3.45	46.91	8.78	16.05
Engine—												
Repairs	268.65	198.00	198.00	70.65	99.00	.....	151.30	248.15	65.90	198.00	70.65	.....
Case—												
New .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Repairs	42.70	23.90	23.90	9.40	11.95	1.60	32.05	31.80	7.50	23.90	9.40	.....
Tube—												
New	7.50	.....	.....	15.00	2.75	.....	5.50	2.00	2.75	.....	.....	3.25
Rims—												
Repairs .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chains, etc.												
Chains .....	.....	8.75	.....	.....	17.50	4.37	26.25	13.15	17.50	.....	17.75	.....
Hooks .....	.....	.....	.....	.....	1.00	.....	1.00	.....	.....	.....	1.00	.....
Sprunders	9.00	14.50	4.25	10.87	2.63	5.50	6.00	14.19	.....	.....	.....	11.15
Accessories .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	\$393.37	\$480.50	\$384.18	\$570.06	\$190.45	\$319.10	\$386.12	\$703.15	\$120.62	\$279.37	\$122.43	\$44.40

SUPPLIES AND TOOLS

	Co. No. 1	Co. No. 2	Co. No. 3	Total
Gasoline	\$227.00	\$259.00	\$884.00	\$1370.00
Oil	68.60	35.04	319.83	423.47
Grease	3.00	12.00	18.00	33.00
Soap	20.84	17.40	32.14	70.38
Polish	22.50	18.00	12.00	52.50
Tools new and reprod	1.65	3.90	.59	6.14
Totals	\$343.59	\$345.34	\$1268.56	\$1955.49