

*R.P.M.*

**Boston Protective Department**



**FORTY-FIFTH**

**ANNUAL REPORT**

**FOR THE CALENDAR YEAR**

**1918**

FORTY-FIFTH  
ANNUAL REPORT

OF THE

**Boston Protective Department**

FROM

January 1, 1918 to January 1, 1919

## OFFICERS.

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*President:*

EDWARD F. WOODS

*Vice-President:*

FRANK A. DEWICK

*Directors:*

TO SERVE UNTIL MARCH, 1919

EDWARD F. WOODS

JAMES H. CARNEY

WILLIAM E. DAVENPORT

TO SERVE UNTIL MARCH, 1920

FRANK A. DEWICK

WALTER S. GIERASCH

CHARLES A. HOWLAND

TO SERVE UNTIL MARCH, 1921

WILLIAM H. ROGERS

JOHN J. CORNISH

HENRY M. FENTON

*Secretary-Treasurer:*

CHARLES W. GOODING

*Superintendent:*

SAMUEL ABBOTT

*Medical Officer:*

DR. WM. F. TEMPLE

BOSTON, January 1, 1919.

TO THE MEMBERS OF THE  
BOSTON PROTECTIVE DEPARTMENT:

The Directors submit herewith the 45th 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 one hundred and forty-five thousand dollars.

For the Directors,  
EDWARD F. WOODS,  
President.

## TREASURER'S REPORT

CURRENT INCOME AND EXPENSE ACCOUNT FOR THE YEAR  
ENDING DECEMBER 31, 1918

## RECEIPTS:

Assessments .....	\$136,150.22
Interest .....	482.89
Special Service .....	2,531.46
	\$139,164.57

## EXPENDITURES:

Pay Roll and Salaries .....	\$80,546.22
Repairs and Furnishings of Houses .....	1,135.76
Telephone and Fire Alarm .....	1,043.67
Water, Light and Fuel .....	3,512.65
Printing, Stamps and Office Supplies .....	974.16
Auto Supplies and Repairs .....	8,930.01
Miscellaneous Department Supplies .....	1,620.39
New Equipment and Furnishings .....	8,585.50
Repairs of Equipment .....	302.76
Rent and Taxes .....	3,986.68
Compensation and other Insurance .....	11,262.16
Sundries .....	566.72
	\$122,466.68
Total Expenditures .....	\$122,466.68
Balance, December 31, 1918 .....	16,697.89
	\$139,164.57

CHARLES W. GOODING, *Treasurer.*

Boston, January 25, 1919.

Audited and found correct

C. H. J. KIMBALL,	} <i>Auditing Committee.</i>
S. T. EMERY,	
WM. H. LORING,	

## STATEMENT OF ASSESSMENTS MADE IN 1918

July 1, 1917, to December 31, 1917:		
Premiums on Fire, Sprinkler		
and Water Damage . . . .	\$3,241,754.23 at 2 1/4%	\$72,939.43
January 1, 1918, to July 1, 1918:		
Premiums on Fire, Sprinkler		
and Water Damage . . . .	\$4,166,460.93 at 1 1/2%	\$62,505.98
		\$135,445.41
Assessments Remitted .....	\$602.62	
"    Unpaid .....	86.88	
		689.50
		\$134,755.91
Supplementary .....		1,394.31
		\$136,150.22
July 1, 1918, to December 31, 1918:		
Premiums on Fire, Sprinkler		
and Water Damage . . . .	\$4,141,698.34 at 2%	\$82,833.88

## SUPERINTENDENT'S REPORT.

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

BOSTON, January 1st, 1919.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen:—I herewith submit the Forty-fifth Annual Report of operations of the Department for the year ending December 31st, 1918.

## CALLS AND SERVICE

The department responded to 2,368 City boxes, 1,299 Verbal, 211 Boston Automatic Fire Alarms, 174 American District Telegraph, which includes 108 Sprinkler Breaks, 169 Sprinkler Troubles, Total 4052; also 64 Water Damages, Total calls 4116.

The service rendered was 41 fire extinguishers used, 3,406 covers spread on merchandise at fires and other calls, 143 covers on roofs, 70 covers protecting merchandise after fires from storms. Total covers used 3,602.

The hours service were 2,724.94 at fires, 159.22 protecting merchandise &c after fires, and 2,672.28 privates detailed after fires. Total 5,556.44.

OF THE 5,392 ALARMS, 3,617 ALARMS OR 67.08 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The total loss on buildings, contents, rents, vessels and cargoes was \$2,841,571.04, divided as follows;

	Losses		Totals
	Insured	Not Insured	
Buildings .....	\$1,230,643.07	\$ 64,588.18	\$1,295,271.25
Contents .....	1,413,290.10	113,547.87	1,526,837.97
Rents .....	13,958.70		13,958.70
Vessels .....	4,223.12	1,280.00	5,503.12
Cargoes .....			
Totals .....	\$2,662,154.99	\$179,416.05	\$2,841,571.04

## WATER DAMAGE OTHER THAN FIRES.

Loss on buildings not insured .....	\$1,095.00
Loss on contents, not insured .....	4,566.50
Total .....	\$5,661.50

Total calls, 64 (44 with losses). On duty 37h. 1m. Covers spread 57. Private detail duty 1h. 24m.

## AUTO-WAGONS

For a descriptive list of Auto-Wagons, Calls responded to and miles travelled, also expense account, see pages 20 and insert.

## ORGANIZATION OF DEPARTMENT.

The organization of the Department continues the same as last year.

Superintendent, SAMUEL ABBOTT.

Deputy 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 Jas. T. Fitzgerald	1	S. A. McDonnell...	1	John J. McCarthy...	1	3
Lieuts. { E. Abbott.....	2	{ G. E. Blakeley ....	2	{ J. D. Seeley.....	2	6
{ A. F. Swift.....		{ B. J. McTernan ..		{ M. J. Gleason.....		
First Grade Privates.....	3	.....	2	.....	6	11
Second " ".....	1	.....	1	.....	0	2
Third " ".....	0	.....	2	.....	1	3
Fourth " ".....	4	.....	3	.....	3	10
Fifth " ".....	7	.....	5	.....	3	15
Auxiliary " ".....	9	.....	9	.....	0	18
Pensioners.....	3	.....	1	.....	0	4
Totals	30		26		16	72

## OPERATIONS OF THE DEPARTMENT.

	Co.No.1	Co.No.2	Co.No.3
Responses to Alarms. { City Boxes.....	690	902	1269
{ Still.....	492	442	423
{ Automatic.....	124	67	13
{ A. D. T.....	91	45	15
Totals.....	1397	1456	1720
Responded to by { Automobile.....	1076	1437	1620
{ Privates in outlying districts....	432	.....	182
Hours Duty { At fires and responding to calls	763.01	852.44	1109.49
{ Assisting Fire Department.....	.....	.75	.....
{ After fires protecting mdse.....	71.70	53.87	33.65
{ Detail after fires.....	883.52	854.08	934.68
Totals.....	1718.23	1761.14	2077.82
Covers Used { At fires and sprinkler calls.....	1481	1402	506
{ On roofs after fires.....	30	58	55
{ Protecting mdse. after fires.....	1	8	61
Totals.....	1512	1468	622
Extinguishers used.....	16	16	9
<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	17	94	123
{ When both sec. were at previous fire	1	11	5
{ While cov. adj. company district	0	48	14
On Second Alarms { At night.....	9	9	13
{ Voluntarily during daytime....	0	0	0
On Telephone calls.....	7	10	10
On Messenger calls.....	0	1	4
To Cover Adjoining company district....	0	189	50
Totals.....	34	362	219
	Co.No.1	Co.No.2	Co.No.3
No. fires at which roofs were protected.....	9	19	32
No. days on which one or more aux. men were retained on day duty after a fire.....	6	32	13
No. extra hazardous days when aux. force was retained on duty.....	3	1	0

SPRINKLER RECORD.  
FIRES.

Sprinklers Operating	Heads	Sprinkler Heads Replaced	Heads	Where Sprinkler Heads Operated	Floors	Condition of System when left	No.
45 Fires of 1 head each	45	11 Fires of 1 head each	11	Sub-basement	1	O. K.	48
15 " " 2 heads "	30	4 " " 2 heads "	8	Basement	31	Partially Operative	1
4 " " 3 " "	12			First-floor	11	Shut Off	24
2 " " 4 " "	8			Second "	8		
*2 " " 6 " "	12			Third "	8		
1 " " 8 " "	8			Fourth "	5		
1 " " 9 " "	9			Fifth "	5		
1 " " 18 " "	18			Sixth "	3		
2 " " 20 " "	40			Seventh "	1		
73 Totals	182	19 Totals	19	Totals	73	Totals	73

\* 1 Fire operated 1st to 4th inclusive

SPRINKLERS INOPERATIVE

Sept. 26, 1918, 352 Western Ave., Defective piping, (being broken).  
Oct. 21, 1918, 160-66 North St., Laying of new main, (water shut off).

RUPTURED HEADS AND PIPES.

Sprinklers Ruptured	Heads and pipes	Causes	No.	Condition of System when left	O. K.	Parti. oper.	Shut off
43 Breaks of 1 head ea.	43	Water freezing in heads	30	Condition	17	3	10
1 " " 2 heads ea.	2	" " " pipes	31	"	3	8	20
38 Breaks " Pipes		" " " elbows	10	"	3	3	4
11 " " Elbows		" " " couplings	8	"	3	1	4
9 " " Couplings		" " " valves	4	"		1	3
4 " " Valves		" " " diaphragm	1	"			1
1 " " Flange		Striking heads	5	"	5		
1 " " Diaphragm		" pipes	6	"	2		4
1 " " Plug		Defective Flange	1	"			1
		" Coupling	1	"			1
		" Heads	6	"	4		2
		" Pipe	1	"			1
		Blow out (plug)	1	"			1
		Unknown	3	"	3		
109 Totals	45	Totals	108	Totals	40	10	52

DUTY PERFORMED

Hours service 97 h. 3m. Covers spread 171 Detailed duty 7h. 11m.  
Extra Duty 3 h. 12 m.

TROUBLES.

Alarm pots, defective.....	8
Alarm valve, defective .....	2
Leaky couplings.....	
" pipes.....	2
" heads.....	1
" valves (1 section, 1 supply).....	2
Water hammer.....	36
" in dry pipe system.....	57
Working on system.....	15
Valve open (1 tank, 2 drips) .....	3
Short Circuit in alarm wires.....	1
Unknown .....	42
<b>Total .....</b>	<b>169</b>

DUTY PERFORMED

Hours service 88 h. 22 m. Detailed duty 130 h. 42m.  
Covers spread 4





Statement by Months of Duty performed by Company No. 1.

Months.	Alarms Responded to.				App. Resp.				Hours of Duty.				Covers Spread.				2d Section of Co. called into Service													
	City Boxes.	Still.	Automatic.	A. D. T.	Totals.	Automobiles.	Privates in outlying districts.	At fires and responding to calls.	Assisting Fire Dept.	After fires protecting merchandise.	Detail after fires.	Totals.	At fires and sprinkler calls.	On roofs after fires.	Protecting mds. after fires.	Totals.	Sprinkler breaks or defects.	Extinguishers used.	When 1st out-section was at a fire.	When both sections were at a previous fire.	While covering adjoining company district.	At night.	Voluntarily during daytime.	Telephone calls.	Messenger calls.	White covering adjoining Co. district.	Totals.	Fires at which roots were protected.	Fires at which aux. men reported voluntarily.	No. of days one or more aux. men were on duty.
Jan. 1918	80	70	15	20	185	157	38	96.43	6.81	64.46	167.70	220	11	1	232	47	5	3	3	1	1	1	1	1	1	1	5	3	2	
Feb. "	70	46	17	9	142	118	36	113.93	3.55	198.22	315.70	223	22	2	223	22	2	1	1	1	1	1	1	1	1	1	1	1	2	
Mar. "	49	39	9	7	104	78	35	71.51	1.65	132.86	206.03	133	7	7	133	7	3	3	3	3	3	3	3	3	3	3	3	1	1	
Apr. "	56	34	9	7	106	84	34	61.18	4.65	138.41	204.24	163	10	6	173	6	6	3	3	3	2	2	2	2	2	7	2	2		
May "	61	50	7	6	124	96	32	59.48	5.18	61.91	126.57	146	5	8	151	8	1	2	2	2	2	2	2	2	4	4	1	2		
June "	45	37	13	9	104	76	36	48.75	6.88	102.71	158.34	143	143	12	143	12	4	1	1	1	1	1	1	1	1	1	1	3		
July "	50	32	12	4	98	70	38	39.48	.33	7.83	47.64	17	1	18	14	1	1	1	1	1	1	1	1	1	1	1	1	1		
Aug. "	37	48	10	9	104	84	27	39.70	1.91	36.93	78.54	35	1	36	12	1	1	1	1	1	1	1	1	1	2	2	1	1		
Sept. "	40	22	5	5	73	59	19	33.05	30.33	63.38	63.38	7	1	8	8	8	1	1	1	1	1	1	1	1	2	2	2	2		
Oct. "	52	28	6	4	90	67	34	46.05	2.07	39.36	87.48	75	1	75	10	1	1	1	1	1	1	1	1	1	2	2	2	3		
Nov. "	86	51	10	3	150	97	64	75.15	5.83	49.25	130.23	153	1	154	14	2	2	1	1	2	2	2	2	2	3	3	1	3		
Dec. "	64	35	11	7	117	90	39	78.30	2.50	51.58	132.38	166	166	10	166	10	1	1	1	2	2	2	2	3	3	3	3			
Totals	690	492	121	91	1397	1076	432	763.01	71.70	883.52	1718.23	1481	30	1151	170	16	17	1	17	1	9	9	7	7	34	9	9	6	3	

Statement by Months of Duty Performed by Company No. 2.

Months	Alarms Responded to.				Hours of Duty.				Covers Spread.				2d Section of Co. called into Service																
	City Boxes.	Still.	Automatc.	A. D. T.	Totals.	Automobiles.	Privates in outlying districts.	At fires and responding to calls.	Assisting Fire Dept.	After fires protecting merchandise.	Detail after fires.	Totals.	At fires and sprinkler calls.	On roofs after fires.	Protecting mdse. after fires.	Totals.	Extinguishers used.	When 1st out-section was at a fire.	When both sections were at a previous fire.	While covering adjoining company district.	At night.	Voluntarily during daytime.	Telephone calls.	Messenger calls.	While covering adjoining Co. district.	Totals.	Fires at which roofs were protected.	Fires at which aux. men reported voluntarily.	No. of days one or more aux. men were on duty.
Jan. 1918	107	76 1/4	8	205	200		147.65	.75	13.55	122.02	283.97	400 17	40	2	417	23	8	4	4	2	2	2	2	2	17	56	4	11	
Feb. "	83	52 10	7	152	145		108.32	1.53	60.40	60.40	170.25	107 5	20	2	112	13	1	4	4	2	2	1	1	1	16	37	2	7	
Mar. "	73	44 4	3	124	121		71.83	2.17	137.23	137.23	211.23	117	5	3	118	11	1	4	4	2	2	1	1	1	16	33	1	9	
Apr. "	102	24 7	5	138	139		80.13	6.68	9.75	96.56	96.56	182 5	8	1	187	12	1	14	2	2	2	2	2	2	40	71	1	1	
May "	70	26 3	5	104	104		53.56	5.46	341.28	400.30	400.30	101 5	6	1	106	3				1	1	1	1	1	11	15	3	1	
June "	67	32 8	3	110	109		56.17	7.03	55.98	119.18	119.18	71 3	8	1	76	6				5	3	4	1	1	18	29	2	2	1
July "	49	24 1	1	75	74		38.15		37.40	75.55	75.55	17	2	2	17	4				3	1	1	1	1	11	19	1	2	
Aug. "	48	28 7	3	86	86		33.93	2.35	30.20	66.48	66.48	47 4	5	8	56	3				3	1	1	1	2	4	10	1	2	
Sept. "	48	17 1	1	67	65		33.36	1.00	1.91	36.27	36.27	21 3	1	1	24	6				4	4	2	2	2	2	2	1	1	
Oct. "	69	34 4	3	110	110		61.35	5.71	2.03	69.09	69.09	87 3	3	3	90	10				8	8	6	2	2	16	28	1	2	
Nov. "	111	47 5	4	167	169		100.66	5.61	39.03	145.30	145.30	153 11	2	2	164	3				1	1	1	1	1	26	45	2	2	
Dec. "	75	38 3	2	118	114		67.33	2.78	16.85	86.96	86.96	99 2	4	4	101	9				1	1	1	1	1	12	17	2	2	
Totals	902	442 67	45	1456	1437		852.44	.75	53.87	854.08	1761.14	1402 58	8	16	1468	94	11	48	9	9	9	10	10	10	1189	362	19	32	1

**Statement by Months of Duty Performed by Company No. 3.**

Months	Alarms Responded to.				App. Resp.		Hours of Duty				Covers Spread.				2d Section of Co. called into Service																										
	City Boxes.	Still.	Automatic.	A. D. T.	Totals.	Automobiles.	Privates in outlying districts.	At fires and responding to calls.	Assisting Fire Dept.	After fires protecting merchandise.	Detail after fires.	Totals.	At fires and sprinkler calls.	On roofs after fires.	Protecting mds. after fires.	Totals.	Sprinkler breaks or defects.	Extinguishers used.	When 1st out-section was at a fire.	When both sections were at a previous fire.	White covering adjoining company district.	At night.	Voluntarily during daytime.	Telephone calls.	Messenger calls.	White covering adjoining Co. district.	Totals.	Fires at which roots were protected.	Fires at which aux. men reported voluntarily.	No. of days one or more aux. men were on duty.	Extra hazardous days when aux. force was retained on duty.										
Jan. 1918	122	60	4	7	193	187	9	152.03		1.00	50.51	203.54	58	4	62	6	16	16	4	1	1	3	3	11	35	2	2	2	2	2	2										
Feb. "	79	32	3	2	116	114	4	106.22		6.00	696.48	808.70	79	5	35119	6	3	3	1	3	3	3	3	10	35	3	3	3	3	3	3	3									
Mar. "	116	25	1		142	129	25	90.10		4.17	94.27	94.27	11	5	16		12	12					4	16	4	4	4	4	4	4	4	4	4								
Apr. "	205	40	1		246	227	37	157.86		7.02	53.88	218.76	68	9	77	1	28	28	3	1			4	8	44	5	5	5	5	5	5	5	5								
May "	114	41	1		156	139	26	91.66		59.38	151.04	151.04	38	5	43	1	5	5	1	1			1	7	17	5	3	3	3	3	3	3	3	3							
June "	83	26			109	102	6	63.61		29.75	63.61	63.61	66	1	67	2	5	5	1	3			1	5	16	1	1	1	1	1	1	1	1	1	1						
July "	92	18	1		113	110	7	63.17		5.00	29.75	97.92	31	6	10	2	16	16					3	19	4	4	4	4	4	4	4	4	4	4	4	4					
Aug. "	67	22			89	85	8	57.46		1.08	58.54	58.54	14	11	25		4	4					2	6	4	2	2	2	2	2	2	2	2	2	2	2	2				
Sept. "	53	26			79	75	6	41.17		.46	41.63	41.63	19	1	20		1	1					2	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1			
Oct. "	89	45	1		135	129	19	80.05		2.66	82.71	82.71	27	10	37		11	11					1	2	17	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Nov. "	152	43	3		198	189	25	114.30		9.30	38.10	161.70	60	7	6	73	1	17	2	1			1	3	24	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Dec. "	97	45	1		144	134	10	91.86		1.13	2.41	95.40	35	1	36	2	5	5	2				2	4	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Totals	1269	423	13	15	1720	1620	182	1109.49		33.65	934.68	2077.82	506	55	61622	17	9	123	5	14	13	10	450	219	32	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

**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 occupant. 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 Hours.	Duty after fires. Hours.	Detail after fires. Hours.
	City Boxes.	Skull.	Automatic.								A. D. T.	At fires and sprinkler calls.	On roofs after fires.				
Jan. 1918	243	185	29	33	24	89	609	25	80	3	678	32	1	7	396.11	21.36	236.99
Feb. "	187	126	24	19	11	97	404	6	45	2	409	10	35	6	328.47	11.08	955.10
Mar. "	197	103	31	9	6	156	502	31	12	2	261	5	1	3	233.44	3.83	274.26
April "	239	96	16	43	1	272	728	25	14	3	413	24	0	1	299.17	18.35	202.04
May "	202	110	20	10	2	133	467	3	15	2	285	15	0	6	204.70	10.64	462.57
June "	186	93	21	12	1	119	402	6	19	2	280	4	2	5	168.53	13.91	158.69
July "	167	74	14	6	1	98	360	4	18	1	65	7	10	2	140.80	5.33	74.98
Aug. "	134	96	16	11	2	70	329	2	17	1	96	16	5	0	131.09	5.34	67.13
Sept. "	121	103	6	7	3	45	246	1	9	4	47	5	0	0	107.58	31.79	1.91
Oct. "	166	102	12	7	3	55	350	5	13	2	189	3	3	1	187.45	10.44	41.89
Nov. "	281	137	17	8	6	130	591	16	16	2	366	19	6	3	290.11	20.74	126.38
Dec. "	198	111	15	8	3	95	431	24	19	2	317	3	0	7	237.49	6.41	70.84
Totals	2368	1289	211	171	64	1380	5479 *	148	277	24	3406	143	70	41	2,724.94	159.22	2,672.28

\*18 Alarms for assistance from other cities and towns not included.

## GRADE OF LOSSES FOR 1918.

3617	Alarms with no loss.		
869	Fires with loss under \$100		\$31,773.34
520	" " " " \$100 to \$500		119,850.60
112	" " " " \$500 to \$1,000		78,115.93
188	" " " " \$1,000 to \$5,000		417,935.30
30	" " " " \$5,000 to \$10,000		198,176.45
9	" " " " \$10,000 to \$15,000		110,142.39
	Over \$15,000.		
1	Jan. 6, 1918, 67-71 South St., Great Western Hide Co.		15,546.55
1	" 7, " 215-33 Franklin St., Bigelow & Dowse et al		216,158.32
1	" 12, " 642-44 Washington St., D. M. Healey et al		21,620.04
1	" 17, " 62-66 Utica St., G. D. Emerson		36,717.01
1	" 26, " 1109 Washington St., A. A. Civicchi et al		17,580.70
1	Feb. 9, " 1242-50 River St., Hyde Park Gas Co., et al		22,278.21
1	" 10, " 13-15 Winter St., F. Vorenberg Co. et al		67,156.35
1	" 10, " 115 North St., Plant Bros. et al		56,786.04
1	" 17, " 76 Freeport St., Boston Novelty Co. et al		33,916.11
1	" 17, " 530 Atlantic Ave., F. P. Bennett Co. et al		15,829.82
1	" 25, " 1285-89 Hyde Park Ave., Norfolk Asso., et al		21,030.91
1	" 26, " 19-35 Front St., Boston Wagon Co. et al		18,507.50
1	April 1, " 200-6 Causeway St., American Glue Co. et al		161,491.59
1	" 12, " 241-9 Friend St., Union Bowling and Billiard Room et al		26,586.10
1	" 17, " 157-63 Pearl St., Harris Wheaton Co. et al		18,810.99
1	" 28, " Mt. Waley Ave., R. F. Haffenreffer		31,061.00
1	" 28, " 416 Huntington Ave., Tufts College		38,198.00
1	May 13, " 70 Brimmer St., C. S. Brown et al		138,841.60
1	June 3, " 9 Edgewood St., Crown Window Shade Co. et al		35,840.64
1	" 6, " 15-21 Sleeper St., General Electric Co. et al		137,802.00
1	" 13, " 128-36 Federal St., Franklin Rubber Co. et al		15,204.78
1	July 25, " Centre St., City of Boston		20,000.00
1	Aug. 4, " 26-30 Bowker St., Sargent & Ham et al		24,793.53
1	Sept. 26, " 342 Western Ave., T. C. Ashley		28,728.44
1	" 29, " 39-43 Washington St., T. F. Freeman et al		17,764.86
1	Oct. 7, " Bldg. No. 96, Navy Yard, U. S. Government		20,000.00
1	" 21, " 361-7 Washington St., D. Rourke et al		29,488.90
1	" 29, " 222-6 Friend St., V. Bonzagni et al		19,675.92
1	Nov. 5, " 280-92 Commercial St., J. A. DeVito Co. et al		41,908.00
1	" 13, " 102-12 Summer St., T. F. Kelliher et al		131,064.29
1	" 14, " 1340 Commonwealth Ave., Hotel Strathmore et al		39,939.97
1	" 29, " 182-6 Boylston St., Walker Rintels Co. et al		29,339.23
1	Dec. 5, " 128-44 Commercial St., S. G. Shaghalian et al		52,567.59
1	" 18, " 258 St. Botolph St., Boston Arena Corp.		233,100.00
1	" 21, " 346 Congress St., C. L. Hawthaway & Sons		30,780.22
			2,822,109.22
5380	Marine Losses		5,503.12
12			2,827,612.34
5392	Rent Losses		13,958.70
			2,841,571.04
41	Sprinkler Losses (no fire)	\$22,662.73	
5433			

CAUSES OF ALARMS AND OF FIRES WITH LOSS  
DURING 1918.

	Alarms	Fires with Loss
a1 Assistance beyond City Limits.....	18	
Arson .....		
Ashes.....		
Benzine.....		
Boilers.....		
1 Chimneys, Flues, Cupolas and Stacks, overheated or defective Cigars, Cigarettes and Pipes.....	185	57
2 Conflagration.....		
Cotton Pickers.....		
3 Electricity.....	215	46
4 Explosions.....	150	80
5 Exposure.....	12	5
5a False and Needless Alarms.....	497	1
6 Fireworks, Fire Crackers, Balloons, etc.....	6	5
Flues.....		
7 Friction—Sparks—Occasioned by running machinery, in- cluding Pickers, Carding Machines, Gins, etc.....	22	7
Furnaces.....		
Gas.....		
8 Gas—Natural and Artificial.....	34	21
Gasolene.....		
9 Hot Ashes and Coals.....	69	33
10 Hot Grease, Oil, Tar, Wax, Asphalt, ignition of.....	88	21
11 Hot or Molten Metal.....	17	10
Hot Water Pipes.....		
12 Incendiarism.....	26	15
Kerosene (See No. 19; also Explosions No. 4).....		
13 Lightning—buildings rodded.....	1	
14 Lightning—buildings not rodded.....	14	10
Locomotives.....		
15 Matches.....	776	514
16 Miscellaneous—Cause known but not Classified.....	132	18
17 Open Fires.....	81	9
18 Open Lights.....	239	144
19 Petroleum and its products.....	114	65
Pickers.....		
Railroad.....		
19a Rekindling of a previous fire.....	7	3
20 Rubbish and Litter.....	1098	11
21 Smoking.....	296	186
22 Sparks—Arising from combustion.....	157	75
23 Sparks on Roof.....	7	5
24 Spontaneous Combustion.....	85	38
24a Sprinklers.....	277	41
Stacks.....		
25 Steam and Hot Water Pipes.....	28	9
26 Stoves, Furnaces, Boilers and their pipes.....	411	122
Stove Pipes.....		
27 Unknown.....	370	264
28 <b>Unknown origin but investigation important.....</b>	1	
Totals.....	5433	1815

This table includes 1360 fire department still alarms of which we were not notified, 3 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	Insurance	Loss
Jan. 1918	\$3,014,587.00	\$153,566.50	\$1,722.00	\$1,707,380.00	\$298,897.70	\$8,229.82	\$3,500.00	\$4,899.53	\$75,000.00	\$2,073.12	\$78,375.00	\$6,981.54
Feb. "	4,119,046.50	149,582.52	4,527.00	1,471,974.00	202,125.73	3,829.10	88,900.00	3,978.63			324,250.00	13,067.25
Mar. "	1,828,900.00	146,146.64	2,197.00	1,575,948.00	40,966.50	4,303.00				10.00	15,000.00	150.00
April "	3,327,216.00	140,939.65	16,739.00	1,460,350.00	200,040.72	10,300.97	12,000.00	165.00	3,000.00	1,910.00		
May "	1,917,460.00	82,629.22	1,240.00	639,666.50	109,291.98	12,278.24	5,700.00	3,562.54		600.00		
June "	1,635,222.00	70,084.52	1,531.34	547,703.00	157,550.10	9,900.00						
July "	1,184,000.00	45,270.42	5,099.00	176,950.00	19,638.37	17,043.00				50.00		200.00
Aug. "	1,786,850.00	49,132.02	3,984.19	259,179.40	20,482.38	1,863.39				10.00		200.00
Sept. "	1,821,650.00	28,862.37	3,964.19	115,700.00	39,813.23	1,307.38						
Oct. "	1,427,013.00	48,254.07	7,506.20	620,250.00	43,609.78	16,890.00	500.00	18.00	7,000.00	300.00	4,200.00	686.49
Nov. "	1,569,703.00	127,507.89	7,135.83	582,394.00	177,599.87	17,808.88	17,000.00	1,935.00		25.00	10,000.00	1,377.45
Dec. "	4,247,750.00	288,204.21	7,032.85	611,487.50	103,293.74	9,794.09						
Totals	\$26,943,399.50	\$1,230,683.07	\$64,588.18	\$8,765,082.40	\$1,413,290.10	\$113,547.87	\$127,600.00	\$13,958.70	\$85,000.00	*\$5,503.12	\$431,825.00	\$22,662.73

\*Loss on vessels not insured \$1,280.00.

\*Insured loss on Vessels \$4,223.12.



STATISTICS FOR YEAR ENDING  
DECEMBER 31, 1918

Population (Estimated to July 1, 1918).....		796,310
Area Square Miles.....		47.81
Number of Brick, Stone, Concrete, Steel frame, B, etc..	31,194	} *106,279
"    "    Wooden Buildings.....	75,085	
"    "    Alarms, exclusive of False and Needless.....	4,641	} 5,433
"    "    False and Needless Alarms.....	497	
"    "    Calls to assist other Cities and Towns.....	18	
"    "    Sprinkler System breaks and defects.....	277	
"    "    Fires in Brick and Stone Buildings.....	1,575	} 4,641
"    "    Fires in Wooden Buildings.....	1,297	
"    "    Fires in Concrete Blocks.....	7	
"    "    Fires in Fireproof.....	0	
"    "    Fires in Ironclad.....	29	
"    "    Fires in Reinforced Concrete.....	17	
"    "    Fires not originating in Buildings.....	1,716	
"    "    Fires confined to floor where fire ....		} 4,641
originated.....	2,634	
"    "    "    confined to Building but not		
to floor of origin.....	246	
"    "    "    extending to adjoining Build-		
ing.....	36	
"    "    "    extending beyond adjoining		
Building .....	9	
"    "    "    originating in Automobiles..	150	} 1,716
"    "    "    not originating in Buildings	1,566	
"    "    "    not originating in, but invol-		
ving Buildings .....	6	

\* January 1, 1919. By courtesy of City of Boston Building Department.

	Buildings includ- ing Docks, Vessels, Tank and Per- manent Fixtures.	Contents	Total
Total Insurance on the property on which claim for loss was made .....	\$27,028,399.50	\$8,765,082.40	\$35,793,481.90
Total Insurance Loss ....	1,234,906.19	1,413,290.10	2,648,196.29
Total Loss (insured and uninsured) .....	1,300,774.37	1,526,837.97	2,827,612.34
Rents insured.....			13,958.70
Losses on buildings and contents in which fires originated, i.e., direct losses .....	1,285,209.66	1,482,427.88	2,767,637.54
Losses on buildings and contents in which the fires did not originate i.e., exposure losses	15,564.71	44,410.09	59,974.80

**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
1909	4032	2111	1067	483	149	159	20	12	20
1910	4044	2264	957	461	132	159	25	12	34
1911	4618	2527	1113	538	189	189	29	7	26
1912	5420	2985	1234	686	196	217	52	19	31
1913	4947	2811	1048	588	185	217	44	15	39
1914	5679	3345	1118	628	238	261	35	15	39
1915	5532	3280	1044	641	207	251	45	18	29
1916	4656	2742	930	549	155	197	44	7	32
1917	5025	2996	981	605	159	199	31	12	42
1918	5433	3617	* 892	*531	*115	*191	30	*10	35

\*41 Sprinkler losses included, viz., 23 under \$100. 11 from \$100 to \$500. 3 from \$500 to \$1,000. 3 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.
1909	4,032	1,921	\$2,248,335.03	\$557.62	\$1,170.39
1910	4,044	1,780	3,451,311.53	853.44	1,938.93
1911	4,618	2,091	2,232,266.78	483.38	1,067.55
1912	5,402	2,417	2,530,475.47	468.43	1,046.94
1913	4,947	2,136	4,254,847.91	868.17	1,991.97
1914	5,679	2,319	3,044,626.94	536.12	1,312.90
1915	5,532	2,243	3,004,599.48	543.13	1,339.54
1916	4,656	1,914	2,473,801.16	531.31	1,292.47
1917	5,025	1,955	4,056,887.34	807.34	2,075.13
1918	5,433	†1,774	2,827,612.34	520.45	1,593.92

The above tables include Still Alarms.

† Does not include 41 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,

SAMUEL ABBOTT,

*Superintendent of Department.*

**HAYES & WELCH**  
**Real Estate Brokers**  
**30 State Street,**

Boston, February 25, 1919

Boston Protective Department  
40 Purchase Street,  
Boston, Mass.

Gentlemen :

We wish to express our appreciation for the services rendered by your Department in connection with the damage caused by the overflow of the boiler at the Edmunds Building 164 Federal Street on Saturday, February 22nd, 1919.

Thanking you for your services, we are,

Yours very truly,

**HAYES & WELCH, Agents.**

