

FIRE DEPARTMENT

AND WIRE DIVISION



CITY OF BOSTON

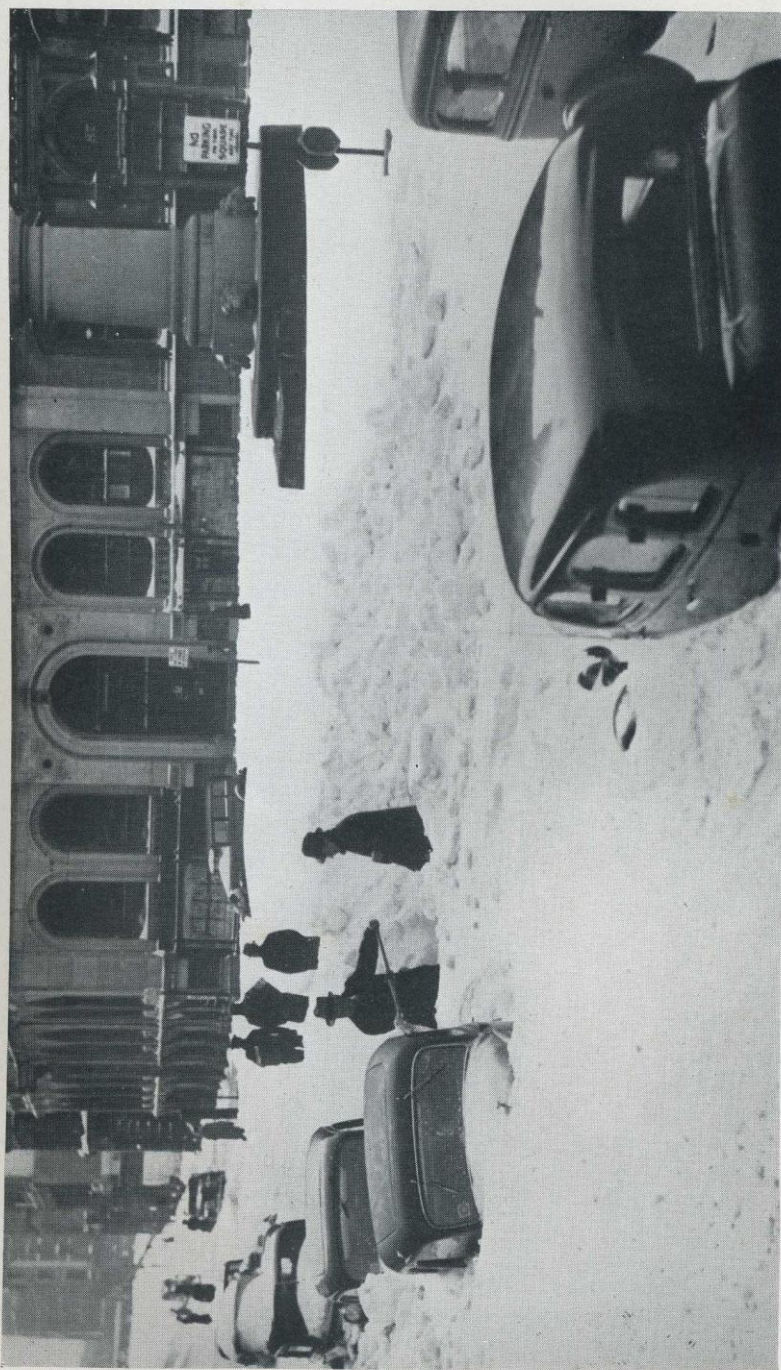


ANNUAL REPORT 1940

ANNUAL REPORT
OF THE
FIRE DEPARTMENT
AND WIRE DIVISION
OF THE
CITY OF BOSTON
FOR THE
YEAR ENDING DECEMBER 31, 1940



CITY OF BOSTON
PRINTING DEPARTMENT
1941



[Courtesy Factory Mutual Record, March, 1940.]

THE DAY AFTER THE BLIZZARD.

Normally alive with traffic, this city square in Boston typifies the tie-up from the storm of February 14, 1940, and the difficult conditions under which the Fire Department temporarily operated.

[DOCUMENT 12—1941.]



ANNUAL REPORT

OF THE

FIRE DEPARTMENT

FOR THE YEAR 1940.

Boston, January 2, 1941.

HON. MAURICE J. TOBIN,
Mayor of Boston.

DEAR SIR,— I have the honor to submit herewith a concise report of the activities of the Boston Fire Department and the Wire Division for the year ending December 31, 1940.

Respectfully submitted,

WM. ARTHUR REILLY,
Fire Commissioner.

SECTION I.—THE FIRE DEPARTMENT.

I.

1940 ACCOMPLISHMENTS.

On page 6 of my 1939 report I listed objectives for the year 1940. I am pleased to report that the following have been accomplished:

1. Operation of two-way radio communication. (Commenced.)
2. Continuation of new programs:
 - (a) Placing fire alarm wires underground. (In progress.)
 - (b) Establishing card index describing fire conditions at every address in the city as the result of a personal inspection. (In progress.)
 - (c) Weekly program of reinspection of old electric wiring work in buildings of the city by Wire Division inspectors. (In progress.)
 - (d) Rehabilitation of old fire apparatus through installation of windshields, booster brakes, pneumatic tires, special sanding equipment, etc. (In progress.)
 - (e) Public education in fire prevention methods with special attention to junior activities in the schools. (Increased by the formation of teacher-fire councillors in each school building of the city.)
3. Replacement of Deputy Chiefs' cars and half of the District Chiefs' cars. (Accomplished.)
4. Extensive alterations of the interior of the Headquarters Building. (Completed.)
5. Transfer of theatres and places of public assembly inspections from Building Department to Fire Department. (Not accomplished.)
6. Equipment of old hose wagons with water tanks for use in grass and dump fires in suburbs. (Not accomplished.)
7. Purchase of a 125-foot aerial ladder truck for downtown use and quintuple combination truck for Brighton. (Accomplished. Delivery to be made in the spring of 1941.)



Mayor Tobin Laying Corner Stone—New Fire Station, Engine 3 and Ladder 3, South End—November 7, 1940.



Spring, 1940—New cars for Chief of Department and Deputies.

8. Replacement of a proportion of men due to vacancies occurring during the year. (Accomplished. Forty-seven retirements; 12 deaths; 8 resignations; 2 dropped; total, 69. Fifty-seven appointments.)
9. Development of use of spray (fog) nozzles in fire fighting. (Thirty fog nozzles are now in use in the Department as the result of this program.)
10. Inauguration of a Civilian Auxiliary Fire Fighting Force. (Accomplished.)

ADDITIONAL FEATURES WORTHY OF NOTE.

1. Boston was again named the first city of Massachusetts and placed among the honor cities of the U. S. A. for its fire prevention campaign during 1940. This is the third successive year Boston has won this honor.
2. The worst snowstorm in the history of the City of Boston appeared on February 14, 1940. The Fire Department responded to alarms utilizing pungs, but fortunately no serious fires occurred during the peak of the storm.
3. A bill was prepared by the Law Department and filed in the name of the Fire Commissioner, to outlaw the use of fireworks in the Commonwealth of Massachusetts, beginning in 1941. This bill was designed to permit public displays of fireworks but to eliminate the sale at retail of firecrackers to individuals not possessing a license for the handling of fireworks.
4. Additional portable lighting equipment was furnished to ladder companies.
5. Progress on the construction of a new building for Engine 3 and Ladder 3 was temporarily delayed because of unforeseen conditions but at the end of the year completion of this building was in sight.
6. The Fire Department budget showed a reduction from the previous year, establishing the lowest total budget for Fire Department operations in a generation.
7. A two-thirds pension law was approved by the Mayor, broadening the pension privileges available to firemen injured in the line of duty.
8. Acquired three noncapsizable dories for use on suburban rivers and ponds in rescue work.

II.

OBJECTIVES FOR 1941.

1. Construction of a new house for Engine 8 in the North End, and Ladder 1 now located at Bowdoin square.
2. Construction of a new house in West Roxbury in the vicinity of Washington street and West Roxbury Parkway.
3. Expansion of the Civilian Auxiliary Fire Fighting Force to double the present membership and to supplement this membership with local fire brigades in industrial, commercial, and mercantile buildings.
4. Acquisition of portable pumps for service under emergency conditions and to strengthen the resources of ladder companies in the event of simultaneous multiple alarms.
5. Acquisition of additional portable lighting equipment for ladder trucks.
6. Expansion of two-way radio communication facilities on chief officers' cars.

III.

SPECIAL COMMENTS.

A. Fire Losses.

The fire loss for 1940 totalled \$2,695,168.06, a reduction of \$155,039.10 from the loss in 1939. (See page 17.)

B. Finance.

(A.) Expenses for 1940 totalled \$3,994,225.17, a decrease of \$26,397.83, continuing the reduction in operating expenses begun three years ago. (See page 16 for details.)

(B.) Revenues increased from \$93,377.39 in 1939 to \$105,005.98 in 1940, the highest in history. The increase is the result of an increase in fees for permits for fuel oil and an increase in the number of permits for electrical work. (See pages 30 and 40 for details.)

C. Alarms and Losses.

The number of alarms this year totalled 9,931 as compared with 11,537 during the year 1939, a decrease



MEMBERS OF BOSTON FIRE DEPARTMENT CIVILIAN AUXILIARY FORCE ON PARADE.



MEMBERS OF CIVILIAN AUXILIARY FIRE FORCE LEARN HOW TO USE A HYDRANT.

of 1,606 alarms; and the fire loss during the year 1904 was reduced \$155,039.10 from the previous year, a very creditable showing in the face of increasing national fire losses.

D. Storage of Fuel Oil.

While there were 2,242 less new permits for storage of inflammable liquids in the city issued than in 1939, there was an increase of 32,666 gallons in storage. Revenues from permit renewals and from certificates of registration, etc., amounted to \$59,567.00 in 1940, as compared to \$49,035.25 for 1939, a net gain of \$10,531.75.

E. Arson Cases.

The Arson Squad investigated 299 fires during 1940, interviewing 137 people. As the result of hearings held, 8 cases were presented to the District Attorney for prosecution. Eleven cases were arraigned in Municipal Court; a finding of guilty was obtained in 6 of these cases; 2 cases were held for the Grand Jury and 5 cases were dismissed. Three indictments were returned by the Grand Jury. Four trials were held and 7 persons were convicted and 2 persons are still under indictment awaiting trial.

Included in the number of fires of questionable origin were 14 reported in the Housing Projects in the Charlestown and Roxbury districts.

F. Special Schools.

Four classes were conducted in the motor pump school of the Department during the year and 17 members attended same.

Forty-eight (48) members on probation completed the 30-day course of instructions in the Department Drill School, and similar courses in various fire stations were established for training of the members of the Auxiliary Fire Force.

A special course on first-aid in the Fire College was given to all lieutenants in the Department.

G. Federal Projects.

(A.) In the Maintenance Division: W. P. A. project for painting and plastering at quarters of Engines 1, 2, 4, 9, 11, 14, 17, 26, 28, 29, 31, 32, 36, 40, 44, 47, 52; Ladders 12 and 31; High Pressure Station No. 2 and Fire Alarm Headquarters.

(B.) In the Fire Alarm Division: W. P. A. Map-making project. Detailing hydrant locations, sprinkler connections, fire walls, etc.

Also W. P. A. project for placement of overhead fire alarm wires underground; the following is a summary of work performed under this project during the year 1940:

Number of streets	* 39
Feet conduit	* 25,101
Posts set	32
Manholes	26
Handholes	28

(C.) At no expense to the city, employment was given to an average of 168 young men enrolled in the National Youth Administration, by means of which, these young men were given experience in office work, painting, plumbing, electrical work and various trades connected with our Maintenance Division. During the year 87 of these young men accepted private employment and their places were filled at various times by other young men desirous of securing this training.

* Includes Windsor road, Brookline, 576 feet.



Old Horse-Drawn Apparatus put in Service during St. Valentine's Day Snowstorm, 1940.



Fire Department cooperates with National Guard to transport Anti-Aircraft Guns in Emergency.

STATISTICS.

COMPARATIVE FIGURES — MAN POWER.
(Actually on Rolls.)

YEAR.	Total Fire Fighting Force.*	Total Number of Privates.†	Total Number of Apparatus Operators.	Total Number of Lieutenants.	Total Number of Captains.	Total Number of District Chiefs.
1936.....	1,339	990	104	102	74	30
1937.....	1,409	1,044	104	115	79	30
1938.....	1,371	1,021	98	106	77	30
1939.....	1,328	982	92	116	77	25‡
1940.....	1,316	977	83	119	78	25

* Includes Chief of Department, Deputy Chiefs, Aides to Commissioner and Chief of Department, Drillmaster, Masters and Engineers on fireboats.
† As of December 31.
‡ Number of Districts reduced from 15 to 14.

RETIREMENTS — ORDINARY DISABILITY.

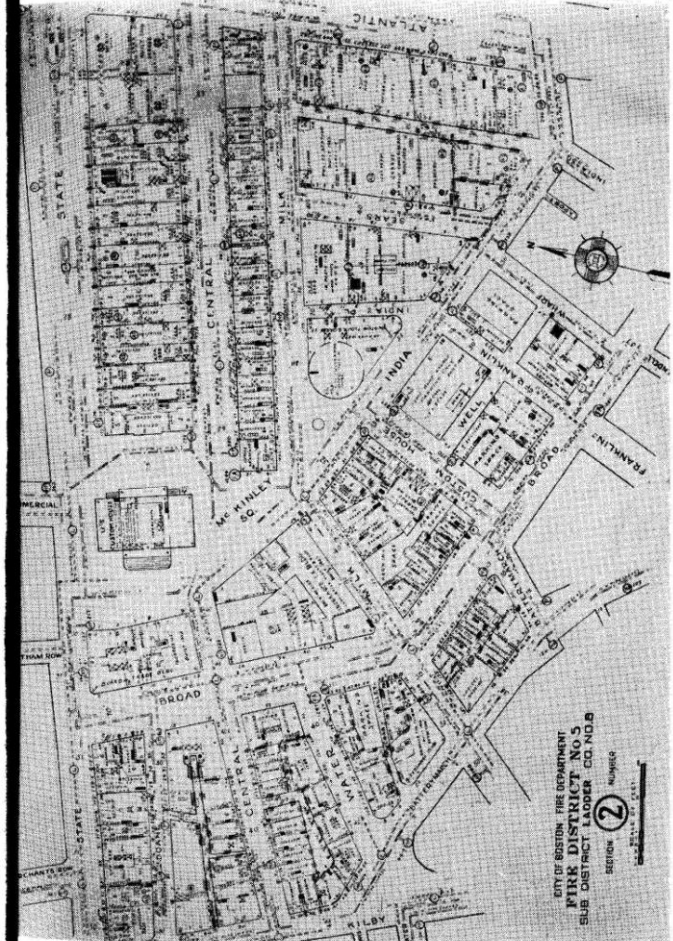
DATE.	Name.	Rank.	Company.
October 31....	Eugene J. Sullivan.....	Chief Clerk.....	Fire Prevention Division.
December 18....	Thomas H. Downey.....	Deputy Chief.....	Fire Prevention Division.

RETIREMENTS — AGE LIMIT.

DATE.	Name.	Rank.	Company.
March 22....	Lorenzo D. Merrill.....	Captain.....	Engine 52.
September 19....	William B. Jennings.....	Captain.....	Fire Prevention Division.
October 10....	Cornelius J. Crowley.....	Lieutenant.....	Engine 36.

RETIREMENTS — OWN REQUEST.

DATE.	Name.	Rank.	Company.
October 9....	John P. Butler.....	Ladderman.....	Ladder 23.
December 9....	Charles H. Donohoe...	District Chief.....	District 13.



TYPE OF MAP SUPPLIED TO EACH DISTRICT CHIEF BY FIRE DEPARTMENT W. P. A. PROJECT, SHOWING, BY SYMBOLS, TYPE OF BUILDING, MEANS OF EGRESS, STANDPIPE CONNECTIONS, FIRE ESCAPES, ETC.

RETIREMENTS — INJURIES, 1940.

DATE.	Name.	Rank.	Company.
January 1.....	Francis M. Sullivan.....	Hoseman.....	Engine 30.
February 14.....	Frederick T. Dyer.....	Apparatus operator.....	Engine 9.
February 14.....	James D. Regan.....	Apparatus operator.....	Engine 15.
February 14.....	Edward I. O'Dowd.....	Hoseman.....	Engine 27.
February 14.....	George J. Hamilton.....	Ladderman.....	Fire Prevention Division.
February 14.....	George L. Gillo.....	Hoseman.....	Fire Prevention Division.
February 14.....	Benjamin Selvitelle.....	Machinist and Batteryman.....	Fire Alarm Division.
March 20.....	Thomas J. Sheridan.....	Ladderman.....	Ladder 18.
July 1.....	Francis P. Willcutt.....	Hoseman.....	Engine 48.
July 1.....	Russell C. DeDoming.....	Hoseman.....	Engine 42.
July 17.....	John H. Johnson.....	Lieutenant.....	Ladder 25.
July 17.....	Thomas M. Curley.....	Apparatus operator.....	Engine 30.
July 17.....	Paul H. Juenger.....	Apparatus operator.....	Engine 39.
July 17.....	John L. Geary.....	Apparatus operator.....	Engine 41.
July 17.....	William S. Slauenwhite.....	Master.....	Engine 31.
July 17.....	William H. Carroll.....	Hoseman.....	Engine 8.
July 17.....	John H. Roche.....	Hoseman.....	Engine 20.
July 17.....	Timothy J. Costello.....	Hoseman.....	Engine 35.
July 17.....	Michael T. Fleming.....	Ladderman.....	Ladder 9.
July 17.....	Peter F. Towle.....	Ladderman.....	Ladder 25.
August 14.....	John J. Donohoe.....	Lieutenant.....	Ladder 25.
September 1.....	Cornelius A. Durgin.....	Hoseman.....	Engine 29.
September 1.....	James H. Smith.....	Ladderman.....	Ladder 1.
September 1.....	John P. Knox.....	Hoseman.....	Rescue 1.
September 18.....	Frank J. Sullivan.....	Apparatus operator.....	Engine 36.
September 18.....	Timothy F. Sullivan.....	Hoseman.....	Engine 45.
September 18.....	John A. Kearney.....	Ladderman.....	Ladder 6.
October 1.....	Joseph W. McRae.....	Ladderman.....	Ladder 12.
October 9.....	Fred I. Adams.....	Captain.....	Engine 49.
October 16.....	Francis C. Shannon.....	Captain.....	Engine 43.
October 16.....	Ivon P. Mahoney.....	Lieutenant.....	Ladder 5.
October 16.....	John J. McLane.....	Lieutenant.....	Engine 41.
October 23.....	Robert F. Brennan.....	Garage Superintendent.....	Maintenance.
December 4.....	Joseph P. Hanton.....	Captain.....	Engine 33.
December 4.....	John H. Leary.....	Captain.....	Ladder 12.
December 4.....	William H. Connor.....	Hoseman.....	Fire Prevention Division.
December 18.....	Daniel P. Daley.....	Hoseman.....	Engine 45.
December 18.....	Rupert E. Hutchinson.....	Hoseman.....	Engine 52.
December 25.....	William H. McCorkle.....	District Chief.....	District 9.
December 25.....	John F. Watson.....	District Chief.....	District 5.

IN MEMORIAM.
Deaths of Active Members During 1940.

DATE.	Name.	Rank.	Company.
January 17...	John McArdle.....	Machinist.....	Maintenance.
January 26...	Francis P. Walsh.....	Hoseman.....	Engine 30.
February 15...	Cornelius J. O'Keefe.....	Ladderman.....	Ladder 5.
February 19...	Walter J. Leary.....	Hoseman.....	Engine 14.
April 21...	Thomas J. Palkey.....	Ladderman.....	Ladder 29.
May 16...	William E. Dolan.....	Captain.....	Ladder 10.
June 21...	Thomas E. Holland.....	Hoseman.....	Engine 6.
July 24...	Thomas M. Nary.....	Captain.....	Engine 45.
October 30...	John J. Magner.....	Hoseman.....	Engine 36.
November 23...	George D. Robertson.....	Hoseman.....	Engine 48.
December 5...	John J. Barry.....	Lieutenant.....	Ladder 27.
December 27...	John J. Monahan.....	Lineman.....	Fire Alarm Division

RESIGNATIONS — 1940.

DATE.	Name.	Rank.	Company.
January 2....	Herbert L. Schlimper.....	Ladderman.....	Ladder 8.
January 3....	Edward J. McNabb.....	Ladderman.....	Ladder 18.
July 17....	Leo M. Myott.....	Hoseman.....	Engine 5.
August 23....	Frederick J. Brennan.....	Hoseman.....	Engine 53.
October 23....	Johan G. W. Holmberg.....	Man on probation.....	Ladder 29.
December 21....	Joseph F. O'Brien.....	Assistant operator.....	Fire Alarm Division.
December 25....	Joseph J. Cummings.....	Man on probation.....	Ladder 29.
December 25....	Edward S. Madden.....	Man on probation.....	Ladder 18.

DROPPED FROM THE ROLL — 1940.

DATE.	Name.	Rank.	Company.
April 3....	John P. Manning.....	Provisional Assistant Operator.....	Fire Alarm Division.
December 4....	Raymond E. Favret.....	Man on probation.....	Engine 53.

APPOINTMENTS.

DATE.	Name.	Assignment.
March 12, 1940.....	Albert L. O'Bannon.....	(Permanent Superintendent, Fire Alarm.
April 17, 1940.....	Leo J. Donovan.....	Wire Division.
May 1, 1940.....	James A. Holland.....	Wire Division.
June 5, 1940.....	Frank E. Leaban.....	Fire Alarm Division.
June 5, 1940.....	Edward C. O'Hehir.....	Fire Alarm Division.
June 5, 1940.....	John P. Manning.....	Fire Alarm Division.
October 16, 1940.....	Joseph W. Thompson, Jr....	Ladder 3.
October 16, 1940.....	John J. Sennett.....	Engine 37.
October 16, 1940.....	John J. Magner.....	Engine 33.
October 16, 1940.....	Thomas J. Cooney.....	Ladder 29.
October 16, 1940.....	James J. Hartnett.....	Ladder 30.
October 16, 1940.....	Frederick P. Claus.....	Ladder 30.
October 16, 1940.....	Thomas J. McGrath.....	Engine 14.
October 16, 1940.....	Leo A. Wisentaner.....	Ladder 24.
October 16, 1940.....	John B. Dunbar.....	Engine 27.
October 16, 1940.....	Joseph J. Cummings.....	Ladder 29.
October 16, 1940.....	Roy E. Burrill.....	Engine 13.
October 16, 1940.....	Bertram L. Camick.....	Ladder 24.

APPOINTMENTS.—Concluded.

DATE.	Name.	Assignment.
October 16, 1940.....	Thomas G. Lawless.....	Ladder 29.
October 16, 1940.....	Albert J. Komich.....	Ladder 18.
October 16, 1940.....	Joseph M. Cady.....	Engine 22.
October 16, 1940.....	Peter A. Thompson.....	Engine 50.
October 16, 1940.....	Riskallah Teebagy.....	Engine 41.
October 16, 1940.....	Michael Tuberosa.....	Engine 40.
October 16, 1940.....	Louis A. Carangelo.....	Ladder 31.
October 16, 1940.....	John C. Kabachus.....	Ladder 13.
October 16, 1940.....	Walter A. Maraghy.....	Ladder 30.
October 16, 1940.....	Johan G. W. Holmberg.....	Ladder 29.
October 16, 1940.....	Jeremiah J. Hegarty.....	Ladder 9.
October 16, 1940.....	Laurence J. McLaughlin.....	Engine 32.
October 16, 1940.....	Michael A. Laurano, Jr.....	Engine 5.
October 16, 1940.....	Leo S. Manning.....	Engine 52.
October 16, 1940.....	James I. Mullane.....	Engine 9.
October 16, 1940.....	Ernest J. Grimm.....	Rescue 3.
October 16, 1940.....	John F. Cass, Jr.....	Engine 37.
October 16, 1940.....	Francis M. Kennedy.....	Ladder 18.
October 16, 1940.....	Winthrop S. Robbins.....	Engine 21.
October 16, 1940.....	John P. O'Malley.....	Ladder 13.
October 16, 1940.....	Raymond E. Favret.....	Engine 53.
October 16, 1940.....	Robert L. Sullivan.....	Ladder 13.
October 16, 1940.....	Edward J. Everett.....	Engine 36.
October 16, 1940.....	Edward J. Meleedy.....	Ladder 30.
October 16, 1940.....	Edward H. Hanbury.....	Engine 14.
October 16, 1940.....	Francis A. Arnao.....	Engine 51.
October 16, 1940.....	Walter Steadman.....	Engine 19.
October 16, 1940.....	Paul J. Costello.....	Ladder 1.
October 16, 1940.....	Edward P. Dwyer.....	Ladder 13.
October 16, 1940.....	Robert B. Drew.....	Ladder 1.
October 16, 1940.....	Robert B. Cassidy.....	Ladder 24.
October 16, 1940.....	Edward A. Codair.....	Engine 22.
October 16, 1940.....	Joseph P. Anderson.....	Engine 12.
October 16, 1940.....	Edward S. Madden.....	Ladder 18.
October 16, 1940.....	Gerard S. Melia.....	Engine 29.
October 16, 1940.....	Vincent P. McBrine.....	Ladder 26.
October 16, 1940.....	Vincent C. Forrest.....	Engine 40.
October 16, 1940.....	Patriek F. Morgan.....	Engine 50.
November 15, 1940.....	Richard P. McCormick.....	Ladder 29.



A STREET CLEANER'S PROBLEM, ALSO A FIRE DEPARTMENT PROBLEM.

USE OF APPARATUS.

Summary — Service Reports, 1940, Engine Companies.

Unrr.	Alarms Attended.	Working Fires.	Hose Used, Feet.	Hours Work.	Pump Hours.
Engine 1.....	461	156	32,700	67.55	6.23
Engine 2.....	277	113	31,300	56.53	9.33
Engine 3.....	560	233	55,450	266.17	15.30
Engine 4.....	541	165	39,800	115.00	5.03
Engine 5.....	337	91	31,050	40.07	4.56
Engine 6.....	418	177	45,750	121.47	23.19
Engine 7.....	367	184	25,050	83.00	2.00
Engine 8.....	349	195	49,600	128.27	26.15
Engine 9.....	380	149	36,100	73.22	11.48
Engine 10.....	383	151	31,500	182.33	36.12
Engine 11.....	216	121	34,650	64.21	14.51
Engine 12.....	700	282	57,200	124.44	15.34
Engine 13.....	852	274	85,950	114.44	86.14
Engine 14.....	866	227	33,250	73.09	24.24
Engine 15.....	581	163	43,950	96.08	14.29
Engine 16.....	318	147	29,200	73.34	18.40
Engine 17.....	492	164	32,950	58.59	10.12
Engine 18.....	536	273	46,400	92.53	40.31
Engine 19.....	469	97	44,000	90.50	29.18
Engine 20.....	331	259	36,100	147.19	25.35
Engine 21.....	516	225	51,550	127.20	13.00
Engine 22.....	786	342	145,750	139.00	48.00
Engine 23.....	819	222	55,700	99.34	21.05
Engine 24.....	666	315	72,150	199.29	13.55
Engine 25.....	319	140	23,800	82.36	0.05
Engine 26.....	610	146	29,950	96.00	25.00
Engine 27.....	345	115	17,250	83.45	19.39
Engine 28.....	431	125	19,450	35.50	4.20
Engine 29.....	390	193	38,650	94.06	25.20
Engine 30.....	300	184	40,000	76.17	4.30
Engine 31 (Boat).....	133	17	17,100	51.07	41.21
Engine 32.....	264	205	40,600	118.03	21.03
Engine 33.....	455	217	53,800	91.24	32.54
Engine 34.....	336	140	32,150	68.00	24.00
Engine 35.....	471	85	24,300	104.00	21.00
Engine 36.....	304	131	33,000	76.00	25.02

Summary — Service Reports, 1940, Engine Companies.—
Concluded.

UNIT.	Alarms Attended.	Working Fires.	Hose Used, Feet.	Hours Work.	Pump Hours.
Engine 37.....	521	229	52,950	91.48	27.30
Engine 38.....	221	109	30,100	78.08	29.23
Engine 39.....	279	142	40,150	70.42	22.20
Engine 40.....	203	92	21,450	62.00	11.30
Engine 41.....	401	248	40,400	101.42	11.37
Engine 42.....	591	246	56,000	88.42	18.22
Engine 43.....	567	138	25,850	64.55	14.58
Engine 44 (Boat).....	91	18	3,800	36.13	30.20
Engine 45.....	430	173	50,600	118.08	61.11
Engine 46.....	442	201	20,200	57.25	17.10
Engine 47 (Boat).....	124	18	6,000	106.00	98.00
Engine 48.....	298	199	64,900	137.55	112.04
Engine 49.....	162	51	18,500	62.00	23.00
Engine 50.....	544	230	48,450	123.18	27.05
Engine 51.....	217	70	20,250	68.02	5.45
Engine 52.....	398	234	34,350	76.00	14.00
Engine 53.....	336	130	26,900	71.36	17.15

USE OF APPARATUS.
Summary — Service Reports, 1940, Ladder Companies.

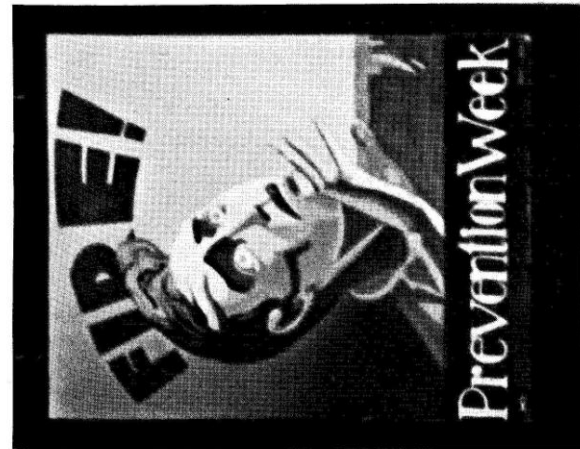
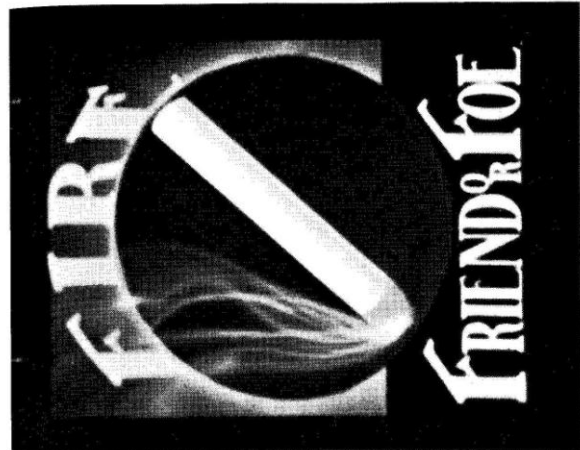
UNIT.	Alarms Attended.	Working Fires.	Ladders Used, Feet.	Hours Work.
Ladder 1.....	485	190	10,962	149.39
Ladder 2.....	318	216	3,254	79.33
Ladder 3.....	571	325	7,750	218.14
Ladder 4.....	816	353	6,136	122.28
Ladder 5.....	514	179	2,257	63.17
Ladder 6.....	420	185	1,576*	79.10
Ladder 7.....	604	228	2,704	71.15
Ladder 8.....	470	150	5,893	110.00
Ladder 9.....	404	207	4,649	121.11
Ladder 10.....	441	148	2,093	75.41
Ladder 11.....	465	234	4,409	108.50
Ladder 12.....	833	324	9,865	122.49
Ladder 13.....	781	389	13,795	138.42
Ladder 14.....	479	246	4,870	120.34
Ladder 15.....	404	250	7,571	92.54
Ladder 16.....	482	215	1,994	102.57
Ladder 17.....	377	262	6,465	108.54
Ladder 18.....	262	113	2,004	71.28
Ladder 19.....	234	138	1,843	53.07
Ladder 20.....	560	176	1,494	63.24
Ladder 21.....	172	111	634	51.55
Ladder 22.....	393	165	2,491	100.10
Ladder 23.....	766	336	6,861	148.12
Ladder 24.....	448	211	9,369	130.20
Ladder 25.....	296	179	976*	67.36
Ladder 26.....	469	236	3,568*	95.17
Ladder 27.....	401	183	1,116	87.55
Ladder 28.....	302	173	1,382	80.30
Ladder 29.....	468	233	2,400	91.27
Ladder 30.....	642	267	4,928	94.50
Ladder 31.....	351	144	1,291	65.19

* Also used hose.

COMPARATIVE FIRE DEPARTMENT EXPENDITURES.

	1939.	1940.
PERSONAL SERVICE:		
Permanent employees	\$3,337,334 31	\$3,251,065 68
Overtime	3,079 39	3,195 77
	<u>\$3,340,413 70</u>	<u>\$3,254,261 45</u>
CONTRACTUAL SERVICES:		
Printing and binding	\$1,374 25	\$265 45
Advertising and posting	30 50	12 50
Transportation of persons	577 46	616 15
Cartage and freight	11 70	6 38
Hire of teams and auto trucks	—	132 75
Light, heat and power	21,621 93	24,788 84
Rent, taxes and water	5,278 04	5,471 48
Bond and insurance premiums	17 50	993 25
Communication	10,504 86	10,738 46
Motor vehicle repairs and care	4,772 55	3,923 93
Cleaning	2,890 12	2,850 62
Medical	1,000 00	1,000 00
Fees, service of venires, etc.	455 65	512 75
Photographic and blueprinting	216 38	185 40
General repairs	14,417 32	15,741 74
Miscellaneous	97 50	724 41
	<u>\$63,265 76</u>	<u>\$67,964 11</u>
EQUIPMENT:		
Electrical	\$3,626 18	\$6,519 29
Motor vehicles	4,412 06	7,371 88
Furniture and fittings	3,295 14	2,734 02
Office	831 62	275 00
Library	60 81	72 10
Marine	76 00	140 94
Tools and instruments	7,492 68	17,843 62
Tires, tubes and accessories	8,360 04	11,110 00
Wearing apparel	18,866 52	14,156 81
Miscellaneous	1,742 68	2,464 46
	<u>\$48,763 73</u>	<u>\$62,688 12</u>
SUPPLIES:		
Office	\$8,933 08	\$9,132 78
Food and ice	—	—
Fuel	53,449 32	61,534 63
Medical, surgical, laboratory	23 70	95 85
Laundry, cleaning, toilet	1,039 93	1,250 95
Gasoline, oil and grease	11,446 08	10,392 43
Chemicals and disinfectants	1,698 17	1,531 97
Miscellaneous	3,093 79	3,824 41
	<u>\$79,684 07</u>	<u>\$87,763 02</u>
MATERIALS:		
Building	\$9,277 72	\$6,887 69
Machinery	27 61	80 13
Electrical	8,496 35	8,394 31
Miscellaneous	26,027 65	28,120 66
	<u>\$43,829 33</u>	<u>\$43,482 79</u>
SPECIAL ITEMS:		
Pensions and annuities	\$435,492 01	\$447,796 98
Workmen's compensation	780 65	732 00
	<u>\$436,272 66</u>	<u>\$448,528 98</u>
EMERGENCY RELIEF PROJECTS		
	<u>\$8,393 75</u>	<u>\$29,536 70</u>
Grand totals	<u>\$4,020,623 00</u>	<u>\$3,994,225 17</u>

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TYPE OF POSTERS MADE BY PUBLIC SCHOOL PUPILS AND PLACED ON DISPLAY DURING 1940

FIRE LOSSES.

	1939.		1940.		Totals.	
	Buildings.	Contents.	Buildings.	Contents.	Buildings and Contents.	Buildings and Contents.
January.....	\$145,451 93	\$75,204 30	\$332,078 86	\$194,948 15	\$220,656 23	\$496,127 01
February.....	117,281 54	64,905 33	154,808 16	104,186 86	182,186 87	238,995 02
March.....	249,477 88	196,032 83	291,727 28	122,248 16	445,530 71	323,975 44
April.....	102,348 55	75,923 98	134,737 35	63,278 06	178,472 53	198,015 41
May.....	127,231 83	107,075 47	105,454 12	81,055 13	234,307 30	186,599 25
June.....	87,763 07	77,150 39	60,467 06	129,511 53	164,913 46	180,978 59
July.....	96,362 91	126,560 07	70,313 39	132,391 72	222,922 98	202,705 11
August.....	70,503 53	26,006 50	75,579 53	31,613 92	96,510 03	107,193 45
September.....	93,195 56	23,524 76	57,180 28	103,028 71	116,720 32	160,208 99
October.....	117,743 29	62,974 02	107,857 49	54,411 76	180,717 31	162,269 25
November.....	168,962 24	238,074 49	98,326 52	76,517 71	426,936 73	174,844 23
December.....	241,384 03	138,948 06	164,224 61	70,121 70	380,332 60	234,346 31
Summary.....	\$1,617,806 36	\$1,232,400 80	\$1,562,754 65	\$1,132,413 41	\$2,850,207 16	\$2,695,168 06

FIRE LOSSES FOR PAST TEN YEARS										
YEAR	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
YEARLY AMOUNT	4,113,419	4,240,168	2,359,805	2,332,280	2,033,107	2,952,958	2,204,367	2,227,888	2,850,207	2,695,168
2,000,000										
2,500,000										
3,000,000										
3,500,000										
4,000,000										
4,500,000										
5,000,000										
5,500,000										

(18)

FIRE DEPARTMENT.

19

Operating Records — January 1 — December 31, 1940.

First alarms	5,365
Second alarms	72
Third alarms	16
Fourth alarms	4

Mutual Aid Response.

To Somerville	28
Brookline	11
Milton	9
Quincy	3
Newton	2
Dedham	1
Total	54

SUMMARY OF ALARMS DURING 1940 FROM BOSTON AUTOMATIC FIRE ALARM COMPANY, AMERICAN DISTRICT TELEGRAPH COMPANY, GENERAL ALARM COMPANY.

	Boston Automatic Fire Alarm Company.	American District Telegraph Company.	General Alarm Company.
Alarms transmitted by company to this department.	161	96	30
Box alarms transmitted after company alarm had been struck.	151	82	27
Company alarm transmitted, no box alarm transmitted.	—	—	—
Company alarm received after still alarm and therefore not transmitted.	3	4	2
Company alarm received after box alarm and therefore not transmitted.	7	10	1

INSURED LOSSES FOR 1940 CLASSIFIED.

8,165	Alarms with no insured loss	—
446	Fires with loss under \$100	\$22,825 58
593	Fires with loss from \$100 to \$500	137,934 46
204	Fires with loss from \$500 to \$1,000	134,470 71
326	Fires with loss from \$1,000 to \$5,000	787,487 50
63	Fires with loss from \$5,000 to \$10,000	431,830 76
20	Fires with loss from \$10,000 to \$15,000	255,719 01
	Over \$15,000 insured losses:	
1	Jan. 8, 1940. 7-11 Appleton street, Paine Memorial Corporation et al.	43,205 89

INSURED LOSSES FOR 1940 CLASSIFIED.—Concluded.

1	Jan. 12, 1940.	27 and 28 Haymarket square, Marie F. Barry <i>et al.</i>	\$80,189 97
1	Jan. 13, 1940.	862-870 Blue Hill avenue, Lena Hanlon Estate <i>et al.</i>	22,869 30
1	Jan. 18, 1940.	38 Central square, Green's Furniture Company <i>et al.</i>	17,893 55
1	Jan. 23, 1940.	163 and 165 Washington street, Dunlop Reed Clothing Company <i>et al.</i>	31,262 01
1	Jan. 24, 1940.	1-9 Corinth street, Bellie Neustadt <i>et al.</i>	15,321 82
1	Jan. 27, 1940.	515-519 Washington street, George White Fund <i>et al.</i>	18,364 12
1	Feb. 2, 1940.	557-563 Tremont street, Arnold-Fisher Company <i>et al.</i>	45,544 00
1	Feb. 9, 1940.	15-29 Richmond street, Mercantile Wharf Company <i>et al.</i>	25,463 72
1	March 8, 1940.	289-293 Washington street, Aaron Smith <i>et al.</i>	19,262 54
1	March 23, 1940.	356 and 358 Main street, A. DaPrato	49,966 00
1	March 27, 1940.	1797-1813 Washington street, Sadye Cline <i>et al.</i>	58,830 06
1	April 12, 1940.	1 Hartford street, Weeks Real Estate Trust <i>et al.</i>	20,781 85
1	April 18, 1940.	151 and 153 Hanover street, George R. Harding, Trustee, <i>et al.</i>	20,514 95
1	May 11, 1940.	1586 and 1588 Hyde Park avenue, Yale Wool Waste Company <i>et al.</i>	18,447 14
1	May 20, 1940.	107-117 Arlington street, Dwelling House Association <i>et al.</i>	32,654 85
1	June 1, 1940.	167 Tremont street, John Irving Shoe Corporation <i>et al.</i>	23,084 91
1	June 12, 1940.	89 Bickford street, Massachusetts Knitting Mills <i>et al.</i>	62,918 36
1	July 15, 1940.	36 and 38 Winter street, Scott Furriers, Inc., <i>et al.</i>	67,207 80
1	July 19, 1940.	137 Washington street, Leopold Morse Company.	33,339 90
1	Aug. 23, 1940.	11 Newbury street, Emmanuel Episcopal Church <i>et al.</i>	19,955 52
1	Sept. 29, 1940.	289-297 Summer street, Adams & Leland, Inc., <i>et al.</i>	59,712 24
1	Oct. 6, 1940.	16 Railroad avenue, Pope Lumber Company.	16,297 15
1	Oct. 13, 1940.	8 Louisburg square, Philip Young <i>et al.</i>	31,877 62
1	Nov. 3, 1940.	395 Commercial street, Standard Grocery Company <i>et al.</i>	32,695 62
1	Nov. 20, 1940.	100 Cummins Highway, Methodist-Episcopal Church.	18,733 00
1	Dec. 26, 1940.	131 Washington street, Brighton, Washington Apartments, Inc., <i>et al.</i>	23,344 15
1	Dec. 26, 1940.	1-7 Green street, Harvard College <i>et al.</i>	15,162 06
9,845			\$2,695,168 06

CAUSES OF OUTDOOR FIRES (1940).

Brush	873
Automobile	834
Other outdoor fires	784
Rubbish (vacant lot)	396
Rubbish (near building)	230
Dump	63
Marine	23
1940 total	3,203
Rescues (Emergency calls)	455
Out of city calls	63

CAUSES OF FIRES IN BUILDINGS (1940).

Careless smoking	1,125
Chimneys: Defective, soot and sparks	507
Fuel oil burners	461
Electrical appliances and motors	245
Children and matches	252
Unknown	202
Miscellaneous known causes	187
Spontaneous ignition	142
Defective heaters and rubbish	137
Grease and food on stove	101
Other careless use of matches	90
Fireworks	69
Hot ashes	68
Defective wiring	64
Incendiary or suspicious	62
Clothes too near fire	44
Flammable liquids	33
City gas and appliances	25
Sparks from machines	14
Thawing water pipes	12
1940 total	3,840

ANALYSIS OF FIRES IN BUILDINGS (1940).

Construction of Buildings.

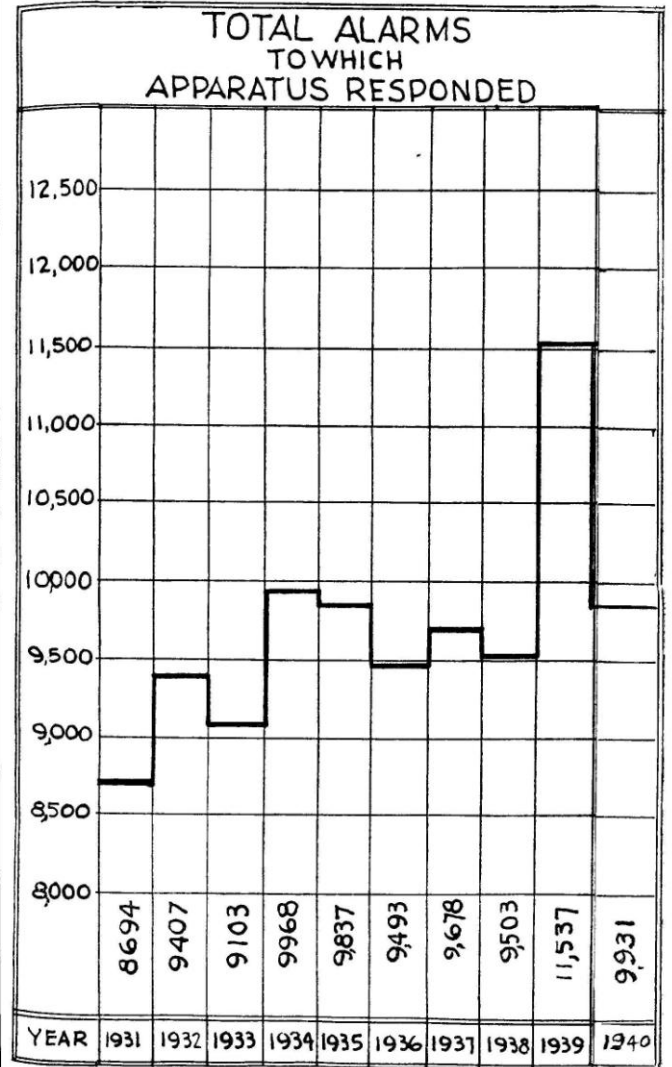
Fire-resistive	167
Second class	1,903
Frame	1,761
Other types	9
Total	3,840

Point of Origin.

Basement	1,172
First floor	1,141
Second floor	496
Third floor	353
Above third floor	156
Roof	87
Outside	435
Total	3,840

Extent of Fire.

Confined to point of origin	3,048
Confined to buildings	730
Spread to other buildings	62
Total	3,840



TOTAL NUMBER OF FIRE ALARMS TO WHICH APPARATUS RESPONDED.

	1938.	1939.	1940.
First alarms.....	5,368	6,175	5,365
Still alarms.....	4,130	5,361	4,575
Boston automatic alarms*.....	1	—	—
A. D. T. alarms*.....	4	1	—
G. A. C. alarms*.....	—	—	—
Totals.....	9,503	11,537	9,940
False alarms.....	1,659	1,443	1,366
Accidental alarms.....	262	—	—
Needless alarms.....	699	—	—
Multiple alarm fires:			
Two alarms.....	42	45	57
Three alarms.....	8	16	12
Four alarms.....	5	3	4
Five alarms.....	—	1	—
Total box alarms since April 28, 1852.....			160,907
Fire alarm boxes in service.....			1,711

* Not followed by city box.

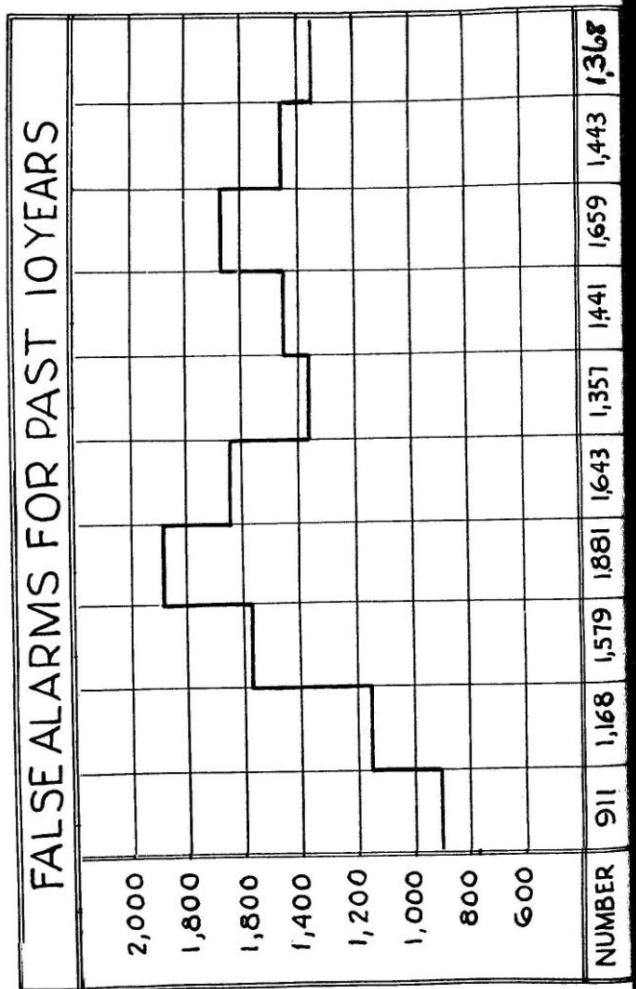
ANALYSIS OF STILL ALARMS.

	1938.	1939.	1940.
Telephone calls from citizens.....	2,693	3,579	3,064
Telephone calls from police.....	478	679	521
Received from Fire Department stations.....	976	1,307	1,167
Boxes — treated as stills.....	66	7	19
Mutual aid alarms — treated as stills.....	51	50	54
Calls passed as emergency — treated as stills.....	338	335	353
Totals.....	4,602	5,957	5,178
Still alarms received for which box alarms were transmitted.....	472	596	603
Net totals still alarms.....	4,130	5,361	4,575

ANALYSIS OF ALARMS BY MONTHS.

1940. Months.	Totals.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Alarms.												
Box.....	507	402	408	423	443	469	386	354	415	621	460	480
Telephone.....	363	301	300	392	328	300	279	291	237	446	364	338
Other calls.....	48	46	38	60	53	56	50	54	36	75	44	46
Totals.....	918	749	746	875	822	825	715	699	708	1,142	868	864
Alarms Received From												
Members.....	4	4	3	3	5	9	8	6	1	9	7	4
Police.....	3	10	9	7	6	6	17	8	7	16	13	8
Watchman.....	15	19	13	14	7	5	7	10	6	9	8	11
Outsiders.....	750	590	601	796	682	673	555	585	531	893	695	726
Automatic.....	38	20	23	11	23	20	25	16	16	16	11	30
Unknown.....	108	106	97	104	99	112	103	74	147	199	134	85
Totals.....	918	749	746	875	822	825	715	699	708	1,142	868	864

No Fires.	False.....	108	105	97	104	99	112	103	74	147	199	135	85	1,368
	Accidental.....	34	19	19	13	17	16	22	19	17	17	14	39	246
	Rescue.....	38	34	32	18	45	37	36	49	49	46	35	36	455
	Needless bells.....	34	21	20	12	19	17	20	17	17	21	17	22	237
	Needless stills.....	77	50	48	50	31	18	35	26	37	50	42	55	519
Building Fires.	Automobile fires.....	78	75	48	52	77	74	76	53	63	69	76	93	834
	Rubbish, vacant lot.....	22	16	15	35	45	49	37	44	35	58	24	16	396
	Rubbish, near building.....	15	13	13	14	25	29	18	22	23	21	17	20	230
	Dump.....	1	5	1	3	8	7	6	7	7	7	7	2	63
	Brush or grass.....	9	24	39	227	95	41	29	82	26	137	102	42	873
	Other outdoors.....	55	34	30	42	59	129	82	79	58	117	63	36	784
	Marine fires.....	3	4	1	1	3	3	1	3	3	1	23
	Out of city calls.....	8	7	4	7	7	4	3	6	2	7	2	6	63
	Confined to room.....	337	270	304	231	237	228	186	166	177	295	281	336	3,048
	Confined to building.....	93	67	64	59	53	59	58	43	47	72	46	69	730
	Extended to others.....	9	6	8	7	4	5	1	7	2	3	4	6	62



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ALL CLASSES OF ALARMS BY FIRE DISTRICTS.

DISTRICT.	TOTAL ALARMS TO WHICH APPARATUS RESPONDED.		
	Boxes.	Stills.	Totals.
1.— East Boston.....	308	258	566
2.— Charlestown.....	346	179	525
4.— North and West Ends.....	416	282	698
5.— Business District.....	266	202	468
6.— South Boston.....	503	319	822
7.— South End and Back Bay.....	544	451	995
8.— Roxbury (West section).....	658	407	1,065
9.— Roxbury (East section).....	600	417	1,017
10.— Dorchester (North section).....	382	302	684
11.— Brighton.....	309	422	731
12.— Jamaica Plain.....	225	215	440
13.— Roslindale-West Roxbury.....	252	324	576
14.— Dorchester (South section).....	360	415	775
15.— Hyde Park.....	196	328	524
	5,365	4,521	9,886
Mutual Aid-Adjacent Cities and Towns,			54
Total.....			9,940

WHEN ALARMS OCCURRED IN 1940.

MONTHS.		DAYS OF WEEK.	
January	920	Monday	1,598
February	748	Tuesday	1,371
March	746	Wednesday	1,369
April	879	Thursday	1,412
May	824	Friday	1,387
June	826	Saturday	1,469
July	714	Sunday	1,334
August	698		
September	707		
October	1,143		
November	871		
December	864		
Total	9,940	Total	9,940

FIRE DEPARTMENT REVENUE, 1940.

Permits for storage of inflammable liquids; certificates of registration, etc.	\$59,567 00
Sale of badges	426 50
Sale of old condemned hose	222 33
Sale of junk	242 00
Damage to apparatus	310 24
Damage to fire alarm boxes	860 98
Miscellaneous	19 34
Total	\$61,648 39

MAINTENANCE DIVISION.

RECORD OF HOSE.

PURCHASED.	Condemned.	Repaired.	In Service.	In Stock.
19,100 Ft.	18,431 Ft.	36,589 Ft.	175,793.5 Ft.	6,464.5 Ft.

PAINTING ACTIVITIES.

TYPE OF WORK.	No. of Jobs.	Labor Costs.	Material Costs.	Total Costs.
Complete Apparatus.....	51	\$3,144 00	\$785 42	\$3,929 42
Partial Apparatus.....	110	628 75	160 47	789 22
Miscellaneous.....	86	282 75	61 96	344 71
Totals.....	247	\$4,055 50	\$1,007 85	\$5,063 35

REPAIRS TO APPARATUS.

PERFORMED By →	B. F. D. Main. Div.	Outside Concerns.	Total.
Number of Jobs.....	5,489	592	6,081
Cost of Labor.....	\$19,093 19	—	—
Cost of Material.....	\$17,260 93	—	—
Total Cost.....	\$36,954 12	\$5,600 50	\$42,554 62

REPAIRS TO FIRE BOATS.

	HOURS LABOR.			COST, MATERIAL.		
	Eng. 31.	Eng. 44.	Eng. 47.	Lumber.	Packing.	Valves.
B. F. D. Main. Div.....	7,790	4,892	9,990	\$196 08	\$313 35	\$291 35
Totals.....	22,672				\$1,100 78	
Outside Concerns....				\$1,609 67		

MOTOR EQUIPMENT INVENTORY.

TYPE OF EQUIPMENT.	In Service.	In Reserve.
Pumping Engines.....	52	10
Hose Cars.....	43	13
Aerial Ladder Trucks.....	23	6
City Service Ladder Trucks.....	8	4
Water Towers.....	2	2
Mack Wrecker.....	1	—
Rescue Cars.....	3	1
Fuel Cars.....	2	—
School Car.....	—	1
Lighting Plants.....	2	—
Chief Officers' Cars.....	33	16
Ford Coupes.....	5	—
Emergency Ford Cars.....	13	—
Commercial Trucks.....	6	—
Steam Fire Engines.....	—	2
Salt Cars.....	8	—
Sound Wagon.....	1	—
Totals.....	202	55

RECORD OF UNIFORM CLOTHING.

ARTICLE.	Received and Distributed.	Repaired and Cleansed.	Reissued.
Overcoats.....	84	43	47
Sack Coats.....	85	55	58
Trousers.....	116	168	19
Uniform Caps.....	84	—	15
Rubber Fire Coats.....	376	157	16
Fire Hats.....	96	175	10

 DIRECTORY OF COMPANY OFFICERS—DECEMBER 31, 1940.
 ENGINE COMPANIES.

1. Capt. Patrick J. Mahoney. Lieuts. Dennis A. Connelly, Daniel P. Hegarty.
2. Capt. Michael G. Foley. Lieut. John T. McPhee.
3. Capt. Edward F. Doyle. Lieut. Thomas L. Corliss.
4. Capt. Carl S. Bowers. Lieuts. Joseph F. Burke, James F. White.
5. Capt. Peter J. Dunn. Lieuts. Clarence W. Snow, Henry W. Shafer.
6. Lieuts. Michael J. Maher, John J. McNamara.
7. Capt. James F. Shea. Lieut. John B. Parkes.
8. Capt. John A. Morrissey. Lieut. Charles L. McDevitt.
9. Capt. Jacob G. Berninger. Lieut. Patrick J. Burke.
10. Capt. John F. Fitzgerald. Lieut. John H. Hoar.
11. Capt. Charles J. Fleming. Lieut. Edward J. Welch.
12. Capt. John J. Devine. Lieut. Thomas M. Manning.
13. Capt. Francis B. Hanron. Lieut. Thomas J. Kenneale.
14. Capt. William C. McCarthy. Lieut. John T. Buckley.
15. Capt. Roger T. White. Lieut. David F. Watkins.
16. Capt. Walter D. Holden. Lieut. Timothy J. Keefe.
17. Capt. William J. Walsh. Lieut. Leo C. Driscoll.
18. Capt. Philip S. Bates. Lieut. Patrick F. Carroll.
19. Capt. John J. Devine. Lieut. James G. Buchanan.
20. Capt. William A. J. Drinan. Lieut. John P. Buckley.
21. Capt. John F. Howard. Lieut. Daniel P. Connor, Jr.
22. Capt. John L. Glynn. Lieuts. Lawrence J. McAdams, Charles D. Travis.
23. Capt. Hugh J. Goodfellow. Lieut. Albert F. Donahue.
24. Capt. James E. Welch. Lieut. Charles J. Greeley.
25. Capt. John F. Sampson. Lieut. William D. Hart.
26. Capt. Edward J. Gaughan. Lieuts. Arthur F. Ryan, Edward T. Lynch.
27. Lieuts. Frederick L. Muir, Daniel E. Murphy.
28. Capt. Egbert R. Murphy. Lieut. John M. Harrington.
29. Capt. John J. Smith. Lieuts. Thomas P. Lohan, Henry W. E. Powers.
30. Capt. William F. Heldt. Lieut. John F. Cox.
31. Capt. Robert A. Nugent. Lieut. Thomas B. Maguire.
32. Lieut. Walter W. Corwin.
33. Capt. William J. Magner. Lieut. Francis A. Agnew.
34. Capt. James J. Crowley. Lieut. William A. Henneberry.
35. Capt. Jeremiah T. Cronin. Lieut. Thomas P. Reilly.
36. Capt. Edward F. McGlinchey. Lieut. James F. Orpin.
37. Capt. John F. O'Brien. Lieut. John P. Cormican.
38. Capt. Edward F. Cunniff. Lieut. Frederick B. Seitz.
39. Capt. John V. Stapleton. Lieut. John A. O'Neil.
40. Capt. Patrick J. Ryan. Lieut. William P. Boudreau.
41. Capt. John F. Pettit. Lieuts. John E. J. Broughton, Henry M. Ducey.
42. Capt. Robert J. Ritchie. Lieut. Pearson J. Powers.
43. Capt. William B. Coughlan. Lieut. Patrick F. Hagerty.
44. Capt. Michael J. McGonagle. Lieut. William J. Kelly.
45. Capt. Howard M. Dolbeare. Lieuts. William F. McDonald, William H. Leonard, Bartholomew F. Clements.
46. Capt. Coleman G. Clougherty. Lieuts. John J. Morgan, Henry J. McCue.
47. Capt. John J. Sheehan. Lieut. Edward L. Mitchell.
48. Capt. William J. Rooney. Lieut. George P. Smith.
49. Capt. Edward J. White. Lieut. Michael J. McGonigle.
50. Capt. Michael J. McLaughlin. Lieut. Frederick F. Keenan.
51. Capt. Charles B. Lynch. Lieut. William P. Dungan.
52. Lieuts. Henry R. Dionne, Edward J. Donelan.
53. Capt. J. Herbert White. Lieut. Daniel A. White.

COMPANY OFFICERS—DECEMBER 31, 1940.
LADDER COMPANIES.

- | | |
|---------------------------------|---|
| 1. Capt. Maurice J. Buckley. | Lieut. Francis J. McFague. |
| 2. Capt. Gustave A. Amsler. | Lieut. Walter W. Fleming. |
| 3. Capt. Henry S. Franz. | Lieut. Chester J. Melanson. |
| 4. Capt. Arthur A. Nixon. | Lieuts. James C. Harrington, Hugh A. Shute. |
| 5. Capt. James F. McFadden. | Lieut. John A. Allen. |
| 6. Capt. John J. Blakely. | Lieut. Patrick F. Foley. |
| 7. Capt. Joseph W. Fix. | Lieut. Frank D. McMackin. |
| 8. Capt. Thomas D. Brown. | Lieut. John F. McNamara. |
| 9. Capt. John J. Ryan. | Lieut. Daniel F. Mahoney. |
| 10. Capt. John C. J. Merrill. | Lieut. Thomas F. Muldoon. |
| 11. Capt. Frederick R. Brophey. | Lieut. John J. McHugh. |
| 12. Capt. Walter E. Crouch. | Lieut. Thomas F. Twomey. |
| 13. Capt. William J. Shepard. | Lieut. Daniel P. Dacey. |
| 14. Capt. Edwin F. Fay. | Lieut. John F. Lawler. |
| 15. Capt. James J. Kelleher. | Lieut. David J. Curran. |
| 16. Capt. Patrick F. McDonough. | Lieut. Carl A. V. Anderson. |
| 17. Capt. William A. S. Hughes. | Lieuts. Frederick J. Dobbratz, John E. Sweeney. |
| 18. Capt. John T. J. Cronin. | Lieuts. Henry M. Wheeler, Stephen F. Gunn. |
| 19. | Lieut. Francis J. Newell. |
| 20. Capt. Eugene J. Doherty. | Lieuts. David J. Murray, William T. Hogan. |
| 21. | Lieuts. John J. Sullivan, Charles F. McCarthy. |
| 22. | Lieuts. Richard J. Lane, William A. Terrenzi. |
| 23. Capt. Thomas E. Flanagan. | Lieuts. Carroll S. Murphy, Thomas J. Burke. |
| 24. | Lieut. William H. O'Dea. |
| 25. Capt. John J. Crehan. | Lieuts. Henry C. Sybertz, Raymond B. LaCasse. |
| 26. Capt. Paul L. Doherty. | Lieut. Charles J. Casey. |
| 27. | Lieuts. William F. Ryan, George R. McLaughlin. |
| 28. | |
| 29. Capt. Thomas F. McGowan. | Lieut. John H. McCarthy. |
| 30. Capt. John J. Ainsworth. | Lieut. William O. Hawkins. |
| 31. Capt. William M. Phelan. | |

TOWER COMPANIES.

- | | |
|----|---|
| 1. | Lieuts. John R. Coleman, James J. Cox. |
| 2. | Lieuts. George L. Evanson, James J. Flanagan. |

RESCUE COMPANIES.

- | | |
|----------------------------|--|
| 1. | Lieuts. John A. Martin, Miles V. Murphy. |
| 2. Capt. William J. Nolan. | Lieut. Thomas J. Mulhern. |
| 3. Capt. James A. Kennedy. | Lieut. Andrew F. Larson. |

MEMBERS WHO REACHED FORTY YEARS OF ACTIVE SERVICE, 1940.

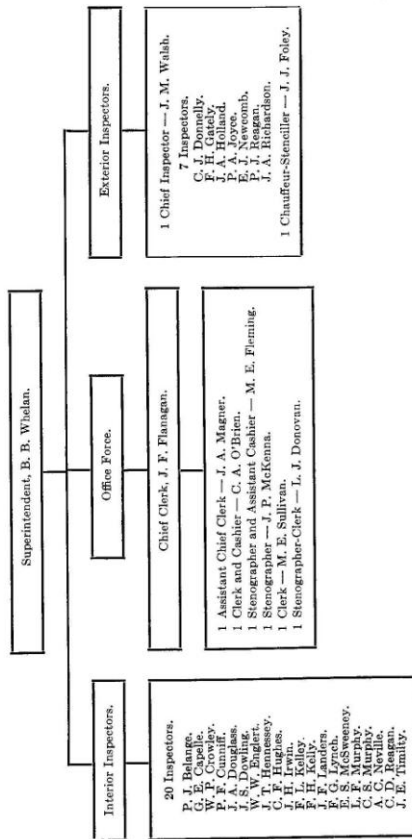
District Chief William F. Donovan, District 1.
 Captain William J. Walsh, Engine 17.
 Captain Patrick J. Ryan, Engine 40.
 Captain John J. Devine, Engine 12.
 Lieutenant Thomas F. Twomey, Ladder 13.
 Garageman Patrick J. Sullivan, Maintenance Division.

MEMBERS WHO REACHED TWENTY-FIVE YEARS OF ACTIVE SERVICE, 1940.

Captain Edward F. McGlinchey, Engine 36.
 Captain John J. Ainsworth, Ladder 30.
 Lieutenant Patrick F. Foley, Ladder 6.
 Lieutenant John P. Cormican, Engine 37.
 Lieutenant Thomas J. Mulhern, Rescue 2.
 Apparatus Operator Matthew J. Oskinis, Engine 10.
 Apparatus Operator John F. H. Fox, Engine 19.
 Apparatus Operator John R. Keefe, Engine 46.
 Hoseman William J. Kelley, Engine 23.
 Hoseman Joseph M. McCarthy, Engine 44.
 Ladderman Robert E. McBrine, Ladder 5.
 Ladderman Walter Kormann, Ladder 10.
 Ladderman John T. Kiley, Ladder 3.
 Steamfitter Daniel R. A. Milliken, Maintenance Division.
 Engineer Bernard J. Hoppe, Motor Squad.

SECTION II.
THE WIRE DIVISION.

THE WIRE DIVISION.



WIRE DIVISION.

In the year 1940 the annual underground district was prescribed in accordance with chapter 110 of the Acts of 1936. The various companies have cooperated admirably in clearing overhead structures and placing wires underground in previously prescribed streets.

REINSPECTION OF OLD WIRING.

The so-called "Old Work Inspections" re-inspecting existing installations in buildings throughout the city were continued with greater effort with the result that the inspection force have found and enforced correction of many defective and dangerous electrical conditions. One of the primary goals of this Division is the prevention of electrical difficulties rather than curing them after a catastrophe and the present re-inspection campaign is capable of achieving this goal. The electrical inspector is a most significant factor in the discovery and elimination of electrical hazards and the inspection and continued re-inspection of electrical wiring and appliances will give greater assurance to the public than will the knowledge that an unprincipled electrician or electrical contractor may be prosecuted for his wrongdoing. This course has been pursued with great diligence and satisfying results.

THEATRE INSPECTIONS.

Regular inspections have been made of electrical installations in theatres, places of amusement and public halls during the year, and reports of same were submitted to the Mayor's office in accordance with license regulations.

FIRE INSPECTIONS.

Thorough investigations were also made of all fires and accidents reported as having been caused by electricity and reports of same are on file in this Division.

EXPENSES AND INCOME OF DIVISION FOR FIVE YEARS.

	1936.	1937.	1938.	1939.	1940.
Expenses.....	\$98,994 63	\$97,622 53	\$91,890 42	\$85,557 14	\$84,044 51
Income.....	46,392 42	46,677 94	37,910 15	41,611 94	43,357 59

FIRE REPORT.

Of the fires and accidents reported, investigation showed the following:

Building fires	160
Manhole troubles	7
Pole fires	2
Miscellaneous	7
Accidents to persons *	16

EXTERIOR DIVISION.

The underground district for the year 1941 as prescribed under authority of chapter 110 of the Acts of 1936 comprised the following streets:

Charlestown District.—Mill street, from Essex street to Rutherford avenue; Lincoln street, from Main street to Rutherford avenue; Cambridge street, from Rutherford avenue to Somerville line.

South Boston District.—O street, from East First street to Columbia road.

Dorchester District.—Sawyer avenue, from Pleasant street to number 46; Quincy street, from Bowdoin street to Geneva avenue; Ashmont street, from Adams street to Neponset avenue; Richmond street, from Dorchester avenue to Adams street.

Roxbury District.—Lenox street, from Tremont street to Shawmut avenue; Shirley street, from Clifton street to 300 feet east of Norfolk avenue; Norfolk avenue, from Magazine street to Langdon street; Heath street, from Day street to South Huntington avenue; Perkins street, from Hyde square to Jamaica way; Eliot street, from Centre street to Jamaica way.

East Boston District.—Ashley street, from Bennington street to Breed street, making a total distance of four miles as prescribed by law.

In these prescribed streets from which poles and overhead wires are to be removed there were standing on January 1, 1941, 141 poles with wires attached.

* Two of which were fatal.

In side or residential streets special underground construction for light and power purposes (115, 230 volts) of type known as Split Fibre "Solid Main System" has been installed.

The ducts used for underground conduits of the drawing-in system are the following types:

1. Vitrified clay (laid in concrete).
2. Fibre laid in concrete.
3. Wood.
4. Iron pipe.

During the past year the inspectors of this Division reported 84 poles decayed at base and 46 poles leaning, or a total of 130 poles which were replaced or reset by the various companies.

The Boston Elevated Railway Company removed 342 iron trolley poles.

There were 7 poles removed from the 1939 underground district and 119 poles removed from the 1938 underground district.

EXPENDITURES.

	1939.	1940.
PERSONAL SERVICE:		
Permanent employees	\$80,803 48	\$80,710 71
CONTRACTUAL SERVICES:		
Printing and binding	\$315 60	\$5 00
Advertising and posting . . .	107 30	110 60
Transportation of persons . .	1,520 22	1,452 75
Bond and insurance premiums .	40 00	40 00
Communication	554 26	598 88
Stenographic and copying . .	14 40	14 40
General repairs	15 50	15 00
Miscellaneous	7 65	—
	\$2,574 93	\$2,236 63
EQUIPMENT:		
Office	\$1 00	\$8 65
Miscellaneous	—	—
	\$1 00	\$8 65
SUPPLIES:		
Office	\$1,514 00	\$1,072 85
General plant	—	7 75
	\$1,514 00	\$1,080 60
MATERIALS:		
Electrical	\$8 28	\$7 92
Grand totals	\$84,901 69	\$84,044 51

Causes of Fires and Miscellaneous Troubles Investigated by the Wire Division in 1940.

Flatiron left in circuit — 6.
 Heater type stove left in circuit — 2.
 Temporary BX in contact with open cutout — 1.
 Breakdown of insulation — 51.
 Defective motor — 37.
 Circuit wire across sprinkler pipe — 1.
 Defective plug for electric clock — 1.
 Lightning surge followed electric circuit — 3.
 Flexible cords used as circuit wiring broke down — 1.
 An automobile knocked gas pump down breaking light and exposing line conductors — arcing set fire to leaking gas-line — 1.
 Defective lighting fixture — 15.
 Water leaking on wires caused short circuit — 3.
 Manhole fire due to breakdown of insulation — 5.
 Manhole fire due to gas explosion — 2.
 Cords under rug became frayed and short circuited — 2.
 Short circuit caused by person using an air hammer puncturing Edison conduit — 1.
 D. C. meter became grounded and overheated — 1.
 Defective radio overheated and caused fire — 2.
 Defective switch — 5.
 Short circuit in junction box — 1.
 Cable lying across water pipe became wet causing short circuit — 1.
 Pennies behind fuses — 3.
 Short circuit in cord feeding radio — 5.
 Short circuit in base plug due to use of paint remover — 1.
 Overloaded branch circuit caused overheating of meter coil — 1.
 Paper in contact with electric hot plate ignited — 1.
 Electric cooking plate in contact with mattress on a bed — 1.
 Static electricity from motor belt ignited shavings on floor — 1.
 Defective wall receptacle — 3.
 Automatic clapper broke away from support and fell across bus bars in back of switchboard — 1.
 Short circuit in wiring of Christmas wreath — 1.
 Arcing from loose connection — 1.
 Short circuit in Christmas tree wiring — 3.
 Curtains on contact with window lighting — 1.
 Short circuit in electric ice box — 1.
 Water splashing on wall switch in bath room — 1.
 Overloaded circuit — 3.
 Boys playing ball broke a neon sign on billboard causing short circuit — 1.
 Short circuit in lamp on lamp post — 2.
 Short circuit in low tension relay coil on signal desk — 1.
 Breakdown in cutout in cabinet — 1.
 Sparks from elevator motor ignited grease — 1.

Causes of Electrical Accidents Investigated by Wire Division in 1940.

A woman's hand was burned by arcing at defective lamp socket — 2.
 A man's arm was badly burned when he accidentally came in contact with wires left alive in a vacant house after bracket and wires were dismantled — 1.
 Fatal accident to a man using an electric drill which was not properly grounded — ground wire in contact with blade of live connector — 1.
 A woman received a shock from a defective hair dryer while seated in a metal chair — 1.
 Two persons injured by lamp pole knocked down by a truck — 1.
 Shock received by a woman handling electric heater with wet hands — 1.
 Boy sliding down a lamp pole received burns about the arms — 1.
 Several persons injured by manhole explosions — 1.
 Boy burned while inserting a plug in a wall receptacle — 1.
 Man burned while operating a defective switch — 1.
 A girl received a burned hand when she inserted a radio plug in receptacle — 1.
 A man stepped from his car against live pole from defective street light fixture on pole — 1.
 Fatal accident to a man from transformer burns — 1.
 A child placed a hairpin in wall receptacle and burned his hand — 1.
 A man burned his hand testing fuses — 1.
 A woman burned her hand from arc from vacuum cleaner receptacle — 1.
 A girl burned her hand removing cord from receptacle — 1.
 An employee changing lamp on pole, fell to ground. Beside his body was a burned screw driver — 1.

UNDERGROUND WORK FOR THE YEAR, 1940.

COMPANY.	LAWRENCE PART OF			NUMBER OF	
	Conduit.	Duct.	Cable.	Manholes.	Services.
Boston Consolidated Gas Company.....	913	1,313	30,979	2	13
Boston Edison Company.....	56,349	94,436	573,379	192	539
Boston Elevated Railway.....	5,630	23,120	10,401	16	
Boston Fire Department.....	27,449	27,765	16,993	43	
Boston Police Department.....	662	662	17,532	0	4
New England Telephone and Telegraph Company.....	7,537	12,258	74,652	9	48
Western Union Telegraph Company.....	0	0	1,284	0	0
Totals.....	98,540	159,574	725,220	262	604

FIRE DEPARTMENT.

TABLES SHOWING OVERHEAD WORK OF EXTERIOR DIVISION (FIVE YEARS).

	1936.	1937.	1938.	1939.	1940.
Number of new poles set in new locations.....	7	14	19	66	48
Number of poles removed.....	171	198	92	253	84
Number of poles reset, replaced or straightened.....	688	1,027	528	223	782
Number of poles standing in public streets.....	17,320	17,136	17,023	16,830	16,794
Number of defects reported.....	1,073	1,381	503	246	283
Number of defects corrected.....	598	1,126	263	153	256
Other defects in process of correction.					
Number of notices of overhead construction.....	3,376	2,232	2,964	2,910	3,484
Number of overhead inspections.....	21,326	19,295	10,718	11,431	9,893
Number of overhead reports.....	23,856	22,716	14,996	15,938	12,685
Number of underground notices.....			1,712	1,865	2,000
Number of underground inspections.....			4,614	1,250	1,464
Number of underground reports.....				3,435	3,124
Amount of overhead wire removed by various companies in feet.....	325,067	424,137	255,582	1,039,576	827,197

WORK DONE.

The Following is a Summary of Work of Interior Division (Five Years).*

	1936.	1937.	1938.	1939.	1940.
Notices of new work received.....	15,660	14,864	12,322	13,232	13,280
Number of permits issued to turn on current.....	11,635	12,662	10,646	10,637	10,541
Number of incandescent lamps inspected.....	2,115,649	2,251,721	2,127,148	2,192,987	2,131,331
Number of motors inspected.....	16,303	18,745	16,401	17,339	18,208
Total horse power of motors inspected.....		60,869	58,504	64,265	64,147
Number of arcs inspected.....		2,634	2,526	2,578	2,576
Number of inspections made.....	31,330	39,287	34,836	35,859	35,467
Number of inspections of theatres, places of amusement and public halls.....	1,632	1,563	1,540	1,633	1,598

* In order of their listing in 1940 report.

CHARACTER OF CABLE USED BY THE VARIOUS COMPANIES — 1940.

COMPANY.	Type of insulation.	Size of Cable.
Boston Consolidated Gas Company.....	None.	None.
Boston Edison Company.....	(Amacorda wire and cable. Halshaw Company.) (Simplex wire and cable. General Electric Company.)	350,000 C. M. 500,000 C. M. 6-2, 10-0-0000-1,000,000 1,500,000.
Boston Elevated Railway.....	General Cable Company. Rubber, lead covered.	500,000 C. M. 211,600 C. M. 1,000,000 C. M.
Boston Fire Department.....	Rubber insulation. Lead sheath.	4-0-7-10-19-37-61-conductor. 19 and 14.
Boston Police Department.....	Lead covered. Paper insulation.	202-101 606 303 505. 11-24-26-52-61-609-1,212 pairs.
New England Telephone and Telegraph Company.....	Lead covered. Paper insulation.	11-26-76-175 pair.
Western Union Telegraph Company.....	Lead covered. Paper insulation.	

AMOUNT AND DISTRIBUTION OF ELECTRICAL POWER IN BOSTON, 1940.

COMPANY.	Total Rated Capacity of Boilers.	Total Rated Capacity of Engines.	CAPACITY IN KILOWATTS OF				Number of Stations.
			Incandescent Lamps.	Are Lamps.	Motors.	Mixed Loads.	
Boston Consolidated Gas Company.....	0	0	3,500	300	9,000	2,500	2
Boston Edison Company.....	41,360	307,206					*101
Boston Elevated Railway.....	24,360	241,287	3,364	7	203,301	50,580	15
Hanover Street Trunk.....	400	359	125	0	75	200	1
Quaker Building Company.....	876	400	125	0	106	300	2
Totals.....	66,996	549,332	7,114	307	212,482	53,580	121

* Includes Generating Stations.

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