FIRE DEPARTMENT

AND ELECTRICAL INSPECTION DIVISION

CITY OF BOSTON

ANNUAL REPORT 1950

ANNUAL REPORT

OF THE

FIRE DEPARTMENT
AND ELECTRICAL
INSPECTION DIVISION

OF THE

CITY OF BOSTON

FOR THE

YEAR ENDING DECEMBER 31, 1950

CITY OF BOSTON
PRINTING DEPARTMENT
1951

HISTORY.

FIRE COMMISSIONERS.		CHIEFS OF DEPARTMENT.	
*1874–1876.	Alfred P. Rockwell.	1826–1828.	Samuel D. Harris.
1877–1879.	David Chamberlain.	1829–1835.	Thomas C. Amory.
1879–1883.	John E. Fitzgerald.	1836–1853.	William Barnicoat.
1883–1885.	Henry W. Longley.	1854–1855.	Elisha Smith, Jr.
1885–1886.	John E. Fitzgerald.	1856–1865.	George W. Bird.
1886–1895.	Robert G. Fitch.	1866–1874.	John S. Damrell.
1895–1905.	Henry S. Russell.	1874–1884.	William A. Green.
1905.	Patrick J. Kennedy. (Acting February 17—March 20.)	1884–1901.	Louis P. Webber.
1905–1908.	Benjamin W. Wells.	1901–1906.	William T. Cheswell.
1908–1910.	Samuel D. Parker.	1906–1914.	John A. Mullen.
1910.	Francis M. Carroll. (Acting May 27—September 16.)	1914.	John Grady. (1 day.)
1910–1912.	Charles C. Daly.	1914–1919.	Peter F. McDonough.
1912–1914.	Charles H. Cole.	1919–1922.	Peter E. Walsh.
1914–1919.	John Grady.	1922–1924.	John O. Taber.
1919–1921.	John R. Murphy.	1925–1930.	Daniel F. Sennott.
1921–1922.	Joseph P. Manning. (Acting Nov. 8, 1921—April 1, 1922.)	1930–1936.	Henry A. Fox.
1922.	William J. Casey. (Acting April 1—August 24.)	1936–1946.	Samuel J. Pope.
1922–1925.	Theodore A. Glynn.	1946–1948.	Napeen Boutilier.
1926.	Thomas F. Sullivan. (Acting January 26—July 6.)	1948–1950.	John F. McDonough.
1926–1930.	Eugene C. Hultman.	1950–	John V. Stapleton.
1930–1933.	Edward F. McLaughlin.		
1933.	Eugene M. McSweeney. (October 16, 1933—January 5, 1934.)		
1934–1938.	Edward F. McLaughlin.		
1938–1945.	William Arthur Reilly.		
1945–1946.	John I. Fitzgerald. (June 7, 1945—January 7, 1946.)		
1946–1950.	Russell S. Codman, Jr.		
1950–	Michael T. Kelleher.		

*Previous to 1874, the Boston Fire Department was in charge of the Chief Engineer.

[DOCUMENT 12 — 1951.]

ANNUAL REPORT

OF THE

FIRE DEPARTMENT

FOR THE YEAR 1950.

BOSTON, January 2, 1951.

HON. JOHN B. HYNES,
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 Electrical Inspection Division for the year ending December 31, 1950.

Respectfully submitted,

MICHAEL T. KELLEHER,
Fire Commissioner.

SECTION 1 — THE FIRE DEPARTMENT.

SPECIAL COMMENTS.

A. NEW HEADQUARTERS AND MAINTENANCE GARAGE BUILDING.

A new headquarters building and maintenance garage now under construction at 115 Southampton street, should be completed by August of 1951. With the completion of the building all administrative offices and maintenance branches of the department will be housed under one roof, while at present these branches are located in three separate buildings. A fire station capable of housing two fire companies will be situated in that part of the building facing Massachusetts avenue.

A survey of the machinery in the present repair shop and recommendations for installations of machinery in the new repair shops have been made, without cost to the city, by the Bethlehem Steel Company, through the courtesy of John T. Wiseman, General Manager.

B. NEW FIRE STATION.

A new fire station, Engine House 56, at 1 Ashley street, East Boston, was completed on November 15, 1950. At present, the house is occupied by Engine Company 11 pending delivery of a new pumper and the appointment of sufficient men to make up the personnel of the new company. The company quartered in the station will provide quicker response and give better fire protection to the Orient Heights district.

C. CANCELLATION OF LEASE.

Effective May 31, 1950, the lease of a private garage for storage of Fire Department equipment was canceled resulting in the saving of a $15,000 annual rental.

D. POLICE POWERS.

All chief officers in the department, and certain members of the Fire Prevention Division, have been appointed special police officers under the provisions of chapter 282 of the Acts of 1898, as amended by chapter

674 of the Acts of 1950. This will give the Fire Department greater power and efficiency in handling violations of the fire prevention laws, and laws affecting the response of apparatus to fires.

E. HOLIDAY TIME OFF AND HOLIDAY PAY.

In accordance with a City Council order, approved by your Honor on May 1, 1950, all members of the Fire Fighting Force who were required to work on ten specified holidays in each year were granted time off, beginning with Memorial Day, May 30, 1950. However, it was necessary to grant approximately 1,000 men a day off for time worked on each of the holidays, which resulted in a severe lack of manpower. Your Honor, therefore, approved of my recommendation that the members of the Fire Fighting Force who were required to work on Thanksgiving Day and Christmas Day, 1950, be granted an additional day's pay.

F. NEW CHIEF OF DEPARTMENT.

With your Honor's approval, Deputy Chief John V. Stapleton was promoted to the position of Chief of Department on November 1, 1950. Chief Stapleton is a comparatively young man to serve in this position, but his record as a fireman and officer in this department seems to indicate that, under his direction, the operating efficiency of the Fire Fighting Force will be on a very high plane.

G. FIRE PREVENTION.

The Fire Prevention Division has been operating on a very efficient basis during the year 1950, as we believe that the best way to reduce the fire loss is to reduce the number of fires.

In addition to the regular inspections made by the members of the Fire Prevention Division, chief officers and company officers have conducted regular inspections of practically all buildings and structures in their respective districts. The subject of fire prevention has been discussed several times in radio talks and in the press. An officer of the division is assigned to give talks to children in both parochial and public schools impressing upon them the danger of fire and the benefits of fire prevention.

During the past few years, the number of fires caused by range oil burners and space heaters has greatly increased, and there has been a number of fatalities attending these oil burner fires. The situation had become so serious it was evident that a safety device was needed to lessen the fire rate. After conferences with representatives of the oil burner industry and the chief in charge of the Fire Prevention Division, it was decided to make the installation of a fusible valve a condition of approval of the permit required by law for the storage of fuel oil and installation of all conversion range burners. Effective October 16, 1950, Boston became the first city in the Commonwealth to take positive measures to protect the lives of its citizens from oil burner fires. The new valve is expected to reduce the number of fatalities by confining the fire to the ash pit.

H. FIRE ALARM DIVISION

The Fire Alarm Division of the department has continued to perform its duties in a satisfactory and efficient manner.

During the year 1950, 17 additional fire alarm boxes were installed throughout the city. On 23 boxes, gas service for red marking light was discontinued and electric lights installed. Orders for installation of electric red lights on 57 additional fire alarm boxes have been given to the Street Lighting Division of the Public Works Department.

The construction branch of the Fire Alarm Division has installed the following wire and cable in the signal system during the year:

12,802 feet of copperweld line wire
54,424 feet of underground cable
13,007 feet of old lead cable was removed from the system

During the year 1950 fire alarm construction was transferred, installed, or changed on 234 poles.

I. MAINTENANCE DIVISION.

The Maintenance Division is charged with the maintenance and repair of 57 buildings in the Fire Department, which includes 53 fire stations. Practically all of the maintenance work in these buildings is carried on by our forces, except in some trades which we are not equipped to handle.

The Maintenance Division also services and repairs all major pieces of fire apparatus and passenger cars; also doing a major portion of the repair work on our three fireboats.

The following new pieces of major apparatus were delivered and placed in service during the year:

3 hose wagons equipped with Cardox system
1 tractor for aerial ladder
1 65-foot junior aerial ladder truck
3 85-foot aerial ladder trucks
1 sedan for Fire Commissioner
1 sedan for Chief of Department
1 sedan for Superintendent of Fire Alarm

Through an agreement with the Metropolitan Transit Authority, apparatus of this department, which was stored in the open air at the Fire School in South Boston, has been stored in the unused part of the Tunnel Station at Broadway, free of charge.

All the repairs to the three fireboats, with the exception of drydocking, underwater work, and painting, was accomplished by Maintenance Division mechanics with the assistance of the boat crews, resulting in the savings of thousands of dollars to the city.

Fireboat Engine 31, which was formerly drydocked at Battery Wharf was relocated in a slip at Castle Island, which enabled the department to reach islands in the harbor at least 20 minutes sooner than when the boat was located in its former position. It also provided added fire protection for large storages of lumber, coal, fuel oil, etc., along the Reserve Channel, as well as for the facilities at the Army Base and South Boston Navy Yard annex.

J. FIRE DEPARTMENT BAND.

The Fire Department Band has been reorganized and rehearsals and instructions are conducted weekly under the supervision of a competent musical director. The band has been designated as the Official City Band, and its services have been utilized on many civic occasions throughout the year.

K. ELECTRICAL INSPECTION DIVISION.

The Electrical Inspection Division has continued to operate in its usual efficient manner. During 1950, four miles of poles and wires were removed from public streets and placed underground.

Practically all rest homes, homes for the aged, agencies for the care of children, nursing homes and hospitals, were inspected by members of this division in order to guard against fires of electrical origin.

L. SAVING IN GASOLINE CONSUMPTION.

Upon assuming office, I immediately ordered discontinuance of the practice of supplying certain citizens with free gasoline and service in our Maintenance Division shop.

In conclusion, I am pleased to report that the department is in a high state of efficiency, and it appears from all indications that the fire loss for 1950 will be less than that of 1949.

PERSONNEL.

EXECUTIVE ORGANIZATION.
BOSTON FIRE DEPARTMENT.
1950.

Fire Commissioner, MICHAEL T. KELLEHER.

Executive Secretary, WILLIAM D. SLATTERY.

Medical Examiner, MARTIN H. SPELLMAN, M.D.

Chief of Department, JOHN V. STAPLETON.

Superintendent of Maintenance Division, JOHN A. MARTIN.

Superintendent of Fire Alarm Division, ALBERT L. O'BANION.

Deputy Chief in Charge of Fire Prevention Division, EDWARD N. MONTGOMERY.

Superintendent, Electrical Inspection Division, BERNARD B. WHELAN.

Awarded *"John E. Fitzgerald Medal"* during 1950.

District Chief JOSEPH F. KILDUFF, Districts 9–10.

Awarded *"Walter Scott Medal for Valor"* during 1950.

Lieutenant-Aide to Commissioner WILLIAM H. BELL, Headquarters.

IN MEMORIAM.
Deaths of Active Members During 1950.

DATE.	Name.	Rank.	Company.
January 21	John T. Kiley	Hoseman	Fire Prevention Division.
May 4	Joseph C. Morgan	Hoseman	Engine Company 49.
May 30	John B. McDonald	Hoseman	Maintenance Division.
August 19	Lawrence J. Sweeney	Hoseman	Fire Prevention Division.
September 5	Patrick F. Carroll	Lieutenant	Engine Company 18.
September 7	Francis E. Sullivan	Engineer	High Pressure Service.
September 9	William McQuarrie	Hoseman	Engine Company 54.
September 23	William R. Benson	Ladderman	Ladder Company 14.*
September 23	Roy E. Burrill	Lieutenant	Ladder Company 14.*
October 6	Thomas H. Kelly, Jr.	Lieutenant	Ladder Company 7.
November 22	James R. Pollard	Elevator Man	Headquarters.
November 23	John J. Frazier	Apparatus Operator	Engine Company 22.
December 22	William J. Nolan	Captain	Engine Company 21.

* Killed in performance of duty.

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.
1946	1,373	1,062	37	124	89	31
1947	2,014	1,530	31	189	90	51
1948	2,165	1,594	25	221	88	49
1949	2,156	1,629	23	246	95	49
1950	2,183	1,641	20	249	96	51

* Includes Chief of Department, Aides to Commissioner and Chief of Department, Deputy Chiefs, Masters and Engineers on fireboats, High Pressure Service, Motor Squad, etc.
† As of December 31.

USE OF APPARATUS.
Summary — Service Reports, 1950, Engine Companies.

UNIT.	Alarms Attended.	Working Fires.	Hose Used, Feet.	Hours Work.	Pump Hours.
Engine 1	748	256	61,850	77.23	22.28
Engine 2	415	184	51,650	87.27	19.40
Engine 3	1,031	403	96,050	165.11	38.47
Engine 4	769	264	56,150	227.24	7.55
Engine 5	533	197	48,800	108.09	17.50
Engine 6	613	224	48,800	95.12	6.10
Engine 7	478	255	63,250	130.00	28.22
Engine 8	398	266	48,860	162.53	36.43
Engine 9	529	219	64,350	92.29	13.49
Engine 10	602	108	34,100	98.10	18.47
Engine 11	295	166	41,950	71.07	16.03
Engine 12	1,126	360	106,550	171.30	73.00
Engine 13	1,311	530	130,800	211.47	52.20
Engine 14	1,454	473	108,250	148.28	30.39
Engine 15	856	169	56,550	70.50	34.45
Engine 16	475	229	58,150	93.00	26.30
Engine 17	859	310	85,850	88.21	33.54
Engine 18	809	364	77,350	124.19	32.28
Engine 19	637	306	72,500	158.20	60.20

Summary — Service Reports, 1950, Engine Companies — Concluded.

UNIT.	Alarms Attended.	Working Fires.	Hose Used, Feet.	Hours Work.	Pump. Hours
Engine 20	470	266	70,100	164.30	93.17
Engine 21	867	378	85,650	160.13	33.28
Engine 22	1,291	688	182,200	382.20	51.26
Engine 23	1,268	315	66,600	387.06	50.18
Engine 24	1,118	505	116,050	173.42	10.12
Engine 25	417	237	58,000	148.46	56.45
Engine 26	1,635	512	133,050	251.37	70.56
Engine 27	452	132	31,600	45.20	11.20
Engine 28	668	284	59,200	91.00	13.00
Engine 29	569	242	39,000	103.18	41.03
Engine 30	401	258	78,700	119.18	45.48
Engine 31 (Boat)	155	14	4,750	26.13	12.13
Engine 32	383	250	45,950	131.27	17.31
Engine 33	743	463	105,050	164.48	18.55
Engine 34	449	172	45,150	79.00	19.00
Engine 36	377	130	35,700	89.04	20.02
Engine 37	874	424	110,150	136.08	42.36
Engine 39	497	175	45,200	113.34	13.23
Engine 40	333	152	23,500	78.32	23.10
Engine 41	572	337	75,450	142.25	8.03
Engine 42	1,049	392	96,050	137.52	32.37
Engine 43	952	366	103,100	141.58	42.48
Engine 44 (Boat)	103	6	3,800	16.24	14.23
Engine 45	494	286	71,950	105.11	36.24
Engine 46	804	268	63,350	90.04	34.57
Engine 47 (Boat)	281	8	5,400	20.00	11.00
Engine 48	474	291	74,700	140.00	53.00
Engine 49	297	145	36,950	89.08	58.45
Engine 50	702	221	39,800	75.20	11.10
Engine 51	313	113	38,700	60.07	10.13
Engine 52	665	324	62,350	103.44	18.46
Engine 53	564	237	57,450	130.52	54.29
Engine 54	46	42	14,750	35.16	25.41
Engine 55	275	142	43,450	102.15	39.20

USE OF APPARATUS.

Summary — Service Reports, 1950, Ladder Companies.

UNIT.	Alarms Attended.	Working Fires.	Ladders Used, Feet.	Hours Work.
Ladder 1	606	302	6,150	113.57
Ladder 2	472	326	4,197	101.59
Ladder 3	869	445	10,650	190.41
Ladder 4	1,500	787	17,433*	422.06
Ladder 5	814	288	3,775	96.56
Ladder 6	637	264	1,680*	91.38
Ladder 7	1,094	426	4,372	128.20
Ladder 8	608	291	9,104	160.30
Ladder 9	552	269	3,085	92.20
Ladder 10	713	357	3,717*	160.52
Ladder 11	605	301	4,473	117.54
Ladder 12	1,302	605	14,264	233.21
Ladder 13	1,198	480	16,525*	285.55
Ladder 14	558	414	6,154	154.56
Ladder 15	663	448	10,310	141.49
Ladder 16	650	323	16,900*	122.00
Ladder 17	745	475	13,158	181.10
Ladder 18	286	167	4,896	130.17
Ladder 19	373	196	2,598*	59.00
Ladder 20	941	413	3,247	166.24
Ladder 21	242	163	1,667	59.01
Ladder 22	519	122	921	60.00
Ladder 23	1,253	672	7,829*	247.24
Ladder 24	708	423	10,060	164.22
Ladder 25	465	282	866*	232.02
Ladder 26	796	413	6,936	133.07
Ladder 27	822	366	2,058*	185.07
Ladder 28	491	270	1,781*	121.21
Ladder 29	788	407	2,982*	135.13
Ladder 30	1,076	423	4,592	134.05
Ladder 31	528	206	4,558	86.22
Ladder 32	279	121	548*	103.38
Ladder 33	46	42	525	35.03
Ladder 34	248	126	1,270*	49.49

* Also used hose.

USE OF APPARATUS.

Summary — Service Reports, 1950, Rescue and Water Tower Companies.

UNIT.	Alarms Attended.	Working Fires.	Hours Work.
Rescue 1	1,562	171*	179.51
Rescue 2	2,978	322*	465.39
Rescue 3	732	183*	99.24
Tower 1	191	18	13.50
Tower 2	256	29	20.29
Lighting Plant 1	596	56	99.43
Lighting Plant 2	856	168	189.51
Lighting Plant 3	764	65	93.05

* Also performed service in various emergencies, accidents, inhalator cases, etc.

FIRE DEPARTMENT EXPENDITURES, 1950.

A. PERSONAL SERVICES:		
Permanent employees	$8,090,396	81
Overtime	22,269	10
	$8,112,665	91
B. CONTRACTUAL SERVICES:		
Communication	$24,356	46
Light, heat and power	52,030	18
Professional and technical services	1,015	00
Repairs and maintenance of buildings and structures	17,670	44
Repairs and servicing of equipment	63,212	27
Transportation of persons	984	83
Miscellaneous contractual services	8,315	77
	$167,584	95
C. SUPPLIES AND MATERIALS:		
Automotive supplies and materials	$100,667	64
Building supplies and materials	15,145	32
Heating supplies and materials	102,287	37
Household supplies and materials	8,709	88
Medical, dental and hospital supplies and materials	714	48
Office supplies and materials	17,109	11
Police, traffic control and fire fighting supplies and materials	40,839	22
Miscellaneous supplies and materials	53,979	56
	$339,452	58

Fire Department Expenditures — 1950 — Continued

D. CURRENT CHARGES AND OBLIGATIONS:	
Dues and subscriptions	$362 00
Insurance	21 46
Licenses	339 12
Rents	11,617 27
	$12,339 85
E. EQUIPMENT:	
Automotive equipment	$25,000 00
Electrical and mechanical machinery and equipment	924 65
Fire fighting equipment	198,963 25
Household furniture and equipment	6,593 97
Medical, dental and hospital equipment	1,542 95
Office furniture and equipment	2,074 91
Signal equipment	18,214 35
Miscellaneous equipment	125 50
	$253,439 58
Grand total	$8,885,482 87

FIRE DEPARTMENT REVENUE, 1950.

Permits for storage of inflammable fluids, certificates of registration, etc.	$94,193 50
Sale of badges	23 20
Sale of old condemned hose	92 49
Sale of junk	2,987 77
Miscellaneous sales	3,548 96
Damage to apparatus and motor vehicles	428 98
Damage to fire alarm boxes	1,746 76
Total	$103,021 66

FIRE ALARM DIVISION.

TOTAL NUMBER OF ALARMS TRANSMITTED.
(To Which Apparatus Responded.)

	1948.	1949.	1950.
First alarms (boxes)	8,269	8,977	8,913
Still alarms — (net total)	5,578	7,288	7,052
Total alarms — Boston only	13,847	16,265	15,965
Mutual aid	71	74	99
Total alarms	13,918	16,339	16,064
Alarms received from citizens by telephone	4,977	5,865	5,821
Per cent of total alarms	35.8	38.2	36.2
Total false alarms	2,129	2,151	2,145
Per cent of total alarms	15.3	13.2	15.2
Total box alarms transmitted since April 28, 1852, through December 31, 1950	339,223	348,200	357,113

NOTE.— The first electric telegraph fire alarm system in the world (in Boston) cost $10,000, and consisted of 40 miles of wire, 45 signal boxes or stations, and 16 alarm bells. The system was officially accepted by the city at noon, April 28, 1852, and the first alarm was received from Station 7, District 1 (now Box 1212), at 8.25 P.M., April 29, 1852.

ANALYSIS OF STILL ALARMS RECEIVED AND TRANSMITTED.

	1948.	1949.	1950.
Received from citizens by telephone	4,977	5,865	5,821
Received from Police Department	729	966	891
Received from Fire Department	1,303	1,502	1,480
Boxes received, treated as stills	27	9	21
Emergency calls, treated as stills	1,161	1,484	1,610
Received from Boston Automatic*	184	180	206
Received from A. D. T.*	116	98	144
Received from G. A. C.*	86	80	80
Gross totals	8,583	10,184	10,253
DEDUCT.			
Still alarms received for which box alarms were pulled, after, and box alarms were transmitted	83	107	102
Still alarms received for which box alarms were transmitted	2,922	2,769	3,099
Net total still alarms	5,578	7,288	7,052
Mutual Aid alarms	71	74	99

* Does not include alarms received after still alarm or after city box alarms, in which case no action was taken.

NOTE.— Net total still alarms indicates number of alarms for which apparatus was dispatched by telephone without box alarm, and alarms for which private company box only was transmitted without city box alarm.

SUMMARY OF ALARMS DURING 1950 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 Fire Alarm Headquarters	206	144	80
City box alarms transmitted after company alarm had been transmitted	206	140	79
Company box alarm transmitted, no city box alarm transmitted	—	4	1
Company alarm treated as still alarm (by telephone), no box transmitted	—	—	—
Company alarm received after still alarm or city box alarm, and therefore not transmitted	3	14	5

ANALYSIS OF FALSE ALARMS.

	1948.	1949.	1950.
Box alarms received and transmitted	2,055	2,084	2,055
Telephone alarms received for which box alarms were transmitted	40	35	32
Boston Automatic alarms received for which box alarms were transmitted	1	—	—
A. D. T. alarms received for which box alarms were transmitted	—	1	—
G. A. C. alarms received for which box alarms were transmitted	—	—	—
Total false alarms for which box alarms were transmitted	2,096	2,120	2,087
Box alarms received, treated as still alarms (no box transmitted)	11	4	20
Telephone alarms received, treated as still alarms (no box transmitted)	22	27	39
Total false alarms to which apparatus responded	2,129	2,151	2,146
Adjacent box alarms received for which no action was taken	4	3	12

ANALYSIS OF ALARMS BY MONTHS.

1950.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Alarms.	Box	807	602	728	812	730	700	654	594	715	972	836	773	8,923
	Telephone	499	290	327	629	563	561	641	493	402	691	542	449	6,087
	Other stills	68	65	60	74	77	75	71	65	79	185	135	101	1,055
	Totals	1,374	957	1,115	1,515	1,370	1,336	1,366	1,152	1,196	1,848	1,513	1,323	16,065
Alarms Received From.	Members	2	2	2	1	1	1	3	6	4	5	6	.....	33
	Police	8	3	10	10	6	2	15	6	7	20	9	5	101
	Watchman	2	3	4	7	3	2	.....	4	5	5	4	4	43
	Automatic	53	50	41	27	26	30	38	30	32	37	50	40	454
	Unknown	173	117	146	178	173	125	140	168	245	306	208	171	2,150
	Outsider	1,136	782	912	1,202	1,161	1,176	1,170	938	903	1,475	1,236	1,103	13,284
	Totals	1,374	957	1,115	1,515	1,370	1,336	1,366	1,152	1,196	1,848	1,513	1,323	16,065

No Fires.	False	172	114	146	178	173	125	140	168	245	306	208	171	2,146
	Accidental	44	54	44	22	18	28	36	28	22	32	48	34	410
	Needless bell	84	66	68	57	49	43	40	43	54	52	86	108	745
	Needless still	49	60	39	36	31	25	34	25	39	48	64	77	527
	Automobile fires	104	93	74	89	116	120	96	82	78	102	90	117	1,161
Rubbish and Grass Fires.	Rubbish, vacant lot	79	10	33	108	131	131	139	98	101	134	93	49	1,106
	Rubbish, near building	36	30	37	53	58	75	71	48	36	63	42	47	586
	Dump	5	2	2	9	14	16	3	7	7	5	5	4	79
	Brush or grass	87	6	58	351	143	149	220	152	65	386	254	75	1,946
	Other outdoor	193	39	55	72	98	130	127	93	103	182	102	86	1,280
	Marine	.....	3	3	3	8	3	2	.....	1	2	.....	.....	25
	Out of city calls	7	9	11	12	9	7	7	9	8	13	7	5	104
Building Fires.	Confined to room	244	249	270	236	208	214	176	160	211	232	225	262	2,687
	Confined to building	115	94	143	147	143	125	119	99	75	106	112	110	1,388
	Extended to others	3	5	7	5	4	7	6	6	1	3	4	2	53

MULTIPLE ALARM FIRES.

	1946.	1947.	1948.	1949.	1950.
Two alarms	54	49	65	64	54
Three alarms	24	15	18	18	5
Four alarms	4	7	1	2	—
Five alarms	—	—	1	—	2
Totals	82	71	85	84	61

SUMMARY OF MULTIPLE ALARM FIRES ACCORDING TO MONTHS OF THE YEAR — 1950.

	Two Alarms.	Three Alarms.	Four Alarms.	Five Alarms.	Total.
January	6	1	—	—	7
February	9	1	—	—	10
March	6	—	—	1	7
April	7	1	—	—	8
May	4	2	—	—	6
June	3	—	—	—	3
July	2	—	—	—	2
August	4	—	—	—	4
September	2	—	—	—	2
October	1	—	—	—	1
November	2	—	—	—	2
December	8	—	—	1	9
Totals	54	5	—	2	61

SUMMARY OF ALARMS ACCORDING TO DAY OF WEEK — 1950.

	Boxes.	Stills.*	Total.	Number of Days in Year.	Average Per Day.
Monday	1,346	1,107	2,453	52	47.3
Tuesday	1,255	1,063	2,318	52	44.6
Wednesday	1,231	947	2,178	52	41.9
Thursday	1,231	992	2,223	52	42.8
Friday	1,283	994	2,277	52	43.8
Saturday	1,356	1,082	2,438	52	46.8
Sunday	1,211	966	2,177	53	41.0
Totals	8,913	7,151	16,064	365	44.01

* Alarms received from B. A., A. D. T., and G. A. C., where private company box only was transmitted without city box, have been included under still alarms.
All alarms for Mutual Aid have been included under still alarms.

SUMMARY OF ALARMS ACCORDING TO TIME OF DAY — 1950.

	Boxes.	Stills.	Total.
12.00 MID.— 1.00 A.M.	307	183	490
1.00 A.M.— 2.00 A.M.	319	167	486
2.00 A.M.— 3.00 A.M.	211	87	298
3.00 A.M.— 4.00 A.M.	109	61	170
4.00 A.M.— 5.00 A.M.	90	66	156
5.00 A.M.— 6.00 A.M.	68	50	118
6.00 A.M.— 7.00 A.M.	106	70	176
7.00 A.M.— 8.00 A.M.	142	84	226
8.00 A.M.— 9.00 A.M.	171	146	317
9.00 A.M.—10.00 A.M.	253	217	470
10.00 A.M.—11.00 A.M.	290	320	610
11.00 A.M.—12.00 NOON	375	385	760
12.00 NOON— 1.00 P.M.	404	445	849
1.00 P.M.— 2.00 P.M.	422	446	868
2.00 P.M.— 3.00 P.M.	508	470	978
3.00 P.M.— 4.00 P.M.	518	552	1,070
4.00 P.M.— 5.00 P.M.	696	605	1,301
5.00 P.M.— 6.00 P.M.	718	631	1,349
6.00 P.M.— 7.00 P.M.	608	500	1,108
7.00 P.M.— 8.00 P.M.	647	471	1,118
8.00 P.M.— 9.00 P.M.	639	389	1,028
9.00 P.M.—10.00 P.M.	552	319	871
10.00 P.M.—11.00 P.M.	402	252	654
11.00 P.M.—12.00 MID.	358	235	593
Totals	8,913	7,151	16,064

SUMMARY OF ALARMS ACCORDING TO FIRE DISTRICTS — 1950.

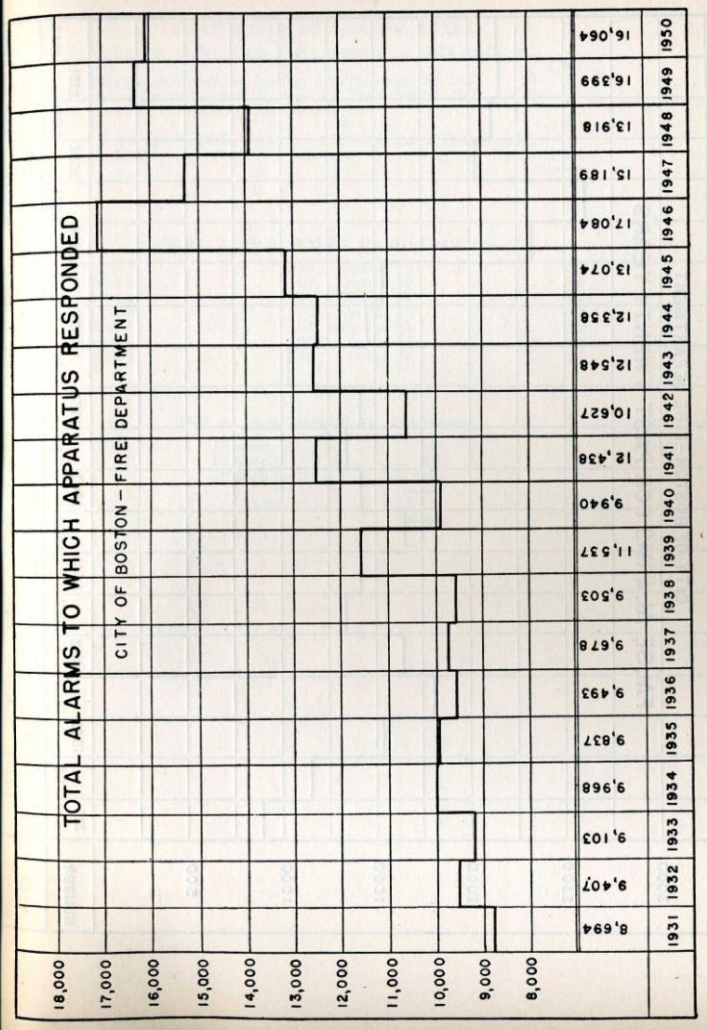
DISTRICTS.	Boxes.	Stills.	Total.
1. East Boston	450	416	866
2. Charlestown	454	274	728
4. North and West Ends	724	419	1,143
5. Business District	467	226	693
6. South Boston	786	544	1,330
7. South End and Back Bay	962	628	1,590
8. Roxbury (West)	1,052	647	1,699
9. Roxbury (East)	1,040	689	1,729
10. Dorchester (North)	644	528	1,172
11. Brighton	500	546	1,046
12. Jamaica Plain	452	437	889
13. Roslindale (West Roxbury)	381	503	884
14. Dorchester (South)	657	690	1,347
15. Hyde Park	344	505	849
Total in Boston	8,913	7,052	15,965
Mutual Aid to outside cities and towns	—	99	99
Totals	—	7,151	16,064

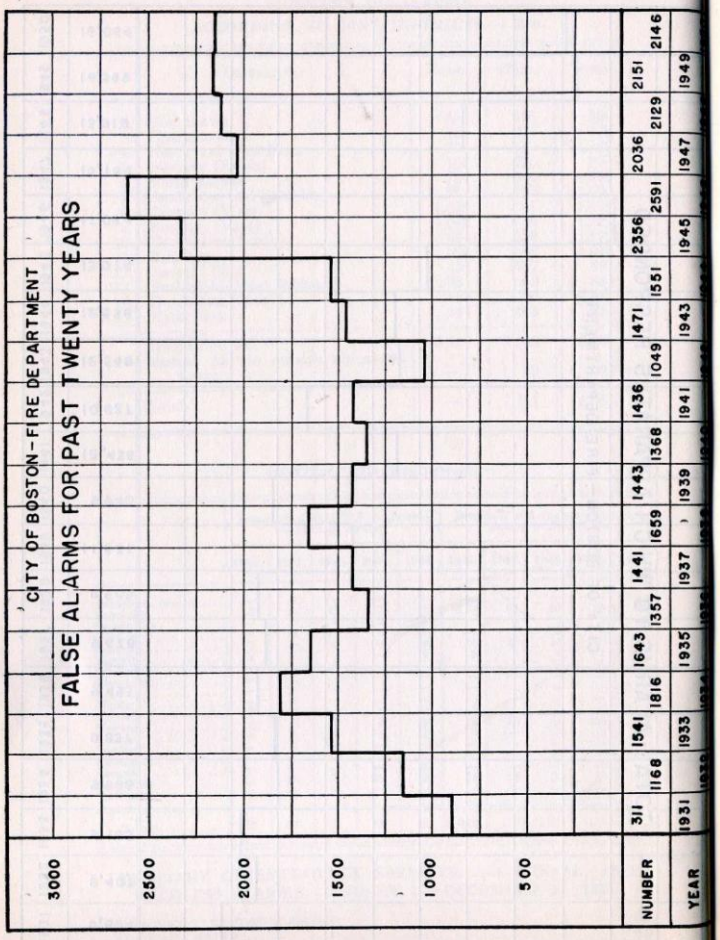
MUTUAL AID RESPONSE.

	Response of *BOSTON* to Outside Cities and Towns.					Response of Adjacent Cities and Towns to *BOSTON*.				
	1946.	1947.	1948.	1949.	1950.	1946.	1947.	1948.	1949.	1950.
Biddeford, Maine	—	1	—	—	—	—	—	—	—	—
Brookline	19	14	11	7	9	119	97	83	78	71
Cambridge	—	1	4	1	1	—	1	1	1	2
Chelsea	17	12	9	8	13	—	3	8	5	7
Dedham	1	—	—	—	2	26	20	15	16	29
Everett	2	1	4	—	4	2	1	1	1	3
Fitchburg	—	1	—	—	—	—	—	—	—	—
Gloucester	—	1	—	—	—	—	—	—	—	—
Lynn	—	1	—	—	—	—	—	—	—	—
Malden	—	2	—	—	—	—	—	—	—	—
Milton	7	7	3	8	9	1	—	2	2	2
Newton	5	3	2	3	6	19	16	14	26	19
Quincy	—	1	3	—	1	2	—	1	2	2
Reading	—	1	—	—	—	—	—	—	—	—
Revere	—	2	—	1	1	—	—	—	—	—
Saugus	—	—	—	—	1	—	—	—	—	—
Somerville	33	35	35	46	52	41	34	27	40	27
Waltham	1	—	—	—	—	—	—	—	—	—
Totals	85	83	71	74	99	210	172	152	171	162

SUMMARY OF EMERGENCY SERVICES, ACCIDENTAL, AND NEEDLESS ALARMS, JANUARY 1 — DECEMBER 31, 1950.

Total alarms — emergency service	1,822
Accidental alarms	410
Needless alarms	1,272





SUMMARY OF FIRE ALARM BOXES.

Total number of fire alarm boxes in service as of December 31, 1949		1,831
Fire alarm boxes installed January 1 to December 31, 1950	20	
Fire alarm boxes removed January 1 to December 31, 1950	3	
Net increase in number of fire alarm boxes		17
Total number of fire alarm boxes in service as of December 31, 1950		1,848

FIRE ALARM BOXES IN DISTRICTS.

District 1	102	District 9	120
District 2	109	District 10	148
District 4	108	District 11	161
District 5	73	District 12	108
District 6	187	District 13	182
District 7	106	District 14	166
District 8	143	District 15	135

FIRE ALARM BOXES IN DIVISONS.

Division 1	392
Division 2	597
Division 3	859
Total	1,848

CONSTRUCTION WORK.
UNDERGROUND CABLES — 1950.

Number, Conductors.	Type of Cable.	Installed.		Removed.	
		Feet of Cable.	Feet of Conductors.	Feet of Cable.	Feet of Conductors.
4	Polyethylene	1,500	6,000	—	—
4	Lead	—	—	1,153	4,612
6	Lead (reclaimed)	1,991	11,946	—	—
6	Lead	—	—	7,056	42,336
7	Polyethylene	12,722	89,054	—	—
7	Lead	—	—	140	980
10	Lead	35	350	3,410	34,100
10	Polyethylene	4,218	42,180	—	—
15	Lead	—	—	440	6,600
19	Polyethylene	5,920	112,480	—	—
19	Lead	365	6,935	1,627	30,913
20	Lead	—	—	245	4,900
37	Lead	—	—	951	35,187
37	Polyethylene	1,813	67,081	—	—
61	Polyethylene	463	28,243	—	—
61	Lead	605	36,905	1,717	104,737
Totals ..	.....	29,632	401,174	16,739	264,365

OVERHEAD CONSTRUCTION — 1950.

	Installed, Feet.	Removed, Feet.
No. 10, A.W.G., copper weld, T. B. W. P. . .	12,802	—
2 Conductors, neoprene anhydrex	900	—
4 Conductors, polyethylene	3,665	—
7 Conductors, polyethylene	1,565	—
Total	18,932	—

Overhead fire alarm construction transferred, changed or installed on 234 poles.

FIRE ALARM BOXES INSTALLED IN 1950.

Date.	Box.	Location.
Jan. 15	15–4125	Hoosac Docks, Battery Charging Building.
June 14	3786	Washington street and Needham road.
June 14	3789	Truman Highway and Washington street.
June 15	13–4125	Hoosac Docks, Pier No. 1, East.
June 15	14–4125	Hoosac Docks, Pier No. 1, West.
June 16	378	Truman Highway and Garfield road.
June 16	3787	Truman Highway and Tyler street.
June 22	13–1481	New England Medical Center, Pratt Building, 30 Bennet street.
June 27	2483	Pond and Rockwood streets.
June 28	2484	Pond street and Hopkins road.
July 10	3473	Minot and Hallet streets.
Aug. 3	12–1523	Public Welfare Building, 20 Church street.
Aug. 17	4174	Rutherford avenue, opposite Thorndike street.
Aug. 18	2194	Harrishof and Haley streets.
Aug. 18	13–2194	Jewish Memorial Hospital, 45 Townsend street.
Sept. 21	2838	Veterans of Foreign Wars Parkway and Independence Drive.
Nov. 10	12–2527	Jamaica Rest Home, 93 Sedgwick street.
Dec. 12	2839	Sherman road, opposite No. 107.
Dec. 13	3817	Beaver street and Braeburn road.
Dec. 13	3818	Myopia and Braeburn roads.

FIRE ALARM BOXES DISCONTINUED IN 1950.

Date.	Box.	Location.
Jan. 14	12–2396	Lucretia Crocker School, Bickford street.
July 19	12–5225	Veterans' Temporary Housing, Harvard Way Extension, North.
July 19	13–5225	Veterans' Temporary Housing, Harvard Way Extension, South.

FIRE ALARM BOXES RENUMBERED IN 1950.

Date.	Old Number.	New Number.	Location.
July 28	12–2184	12–2194	Henry L. Higginson School, Harrishof and Haley streets.
Nov. 22	12–2165	12–2164	Roxbury Memorial High School, 205 Townsend street.

FIRE PREVENTION DIVISION.

REVENUE RECEIVED FOR LICENSES, PERMITS, ETC., FOR THE YEAR 1950.

Month.	Blasting, Storage, Transportation and Sale of Explosives.	Fireworks.	Licenses Renewed.	Open-Air Fires.	Permits — Inflammable Fluids.	Tank Removals.	Gross Totals.	Deductions — Over-payment on Permits, etc.	Net Totals.
January	$2 50	—	$2,667 50	$55 50	$534 50	$2 00	$3,262 00	$1 00	$3,261 00
February	1 50	—	388 00	39 50	300 00	50	729 50	—	729 50
March	2 50	—	5,293 00	113 00	352 50	2 50	5,763 50	50	5,763 00
April	2 00	$0 50	11,828 00	120 00	6,675 00	3 50	18,629 00	1 00	18,628 00
May	3 50	50	19,121 00	250 00	9,513 50	2 00	28,890 50	—	28,890 50
June	5 50	—	4,687 00	53 50	13,174 50	2 00	17,922 50	—	17,922 50
July	1 50	—	4,796 50	157 50	942 00	3 50	5,901 00	—	5,901 00
August	5 00	—	4,325 50	177 00	640 00	4 00	5,151 50	—	5,151 50
September	4 00	—	1,888 00	235 00	694 00	2 50	2,823 50	—	2,823 50
October	4 00	—	1,683 00	229 50	990 00	2 50	2,909 00	50	2,908 50
November	4 00	—	368 00	90 50	841 50	2 50	1,306 50	—	1,306 50
December	4 00	—	219 00	121 50	564 00	—	908 50	50	908 00
Totals	$40 00	$1 00	$57,264 50	$1,642 50	$35,221 50	$27 50	$94,197 00	$3 50	$94,193 50

Total Receipts for 1950	$94,193 50
Total Receipts for 1949	88,500 50
Net gain	$5,693 00

SUMMARY OF INSPECTIONS AND INVESTIGATIONS — 1950.

GENERAL INSPECTIONS:	
Dwelling houses, other than 1- and 2-family	14,082
Places of assembly, cabarets, dance halls, etc	4,568
Mercantile and manufacturing occupancy	3,490
Department, small retail stores, etc	3,497
Mystic Docks, Charlestown	937
Reinspections (all types)	6,482
SPECIAL INSPECTIONS AND SURVEYS:	
Private schools	134
Oil farms	8
Film exchanges	23
Libraries	23
Boarding homes for the aged, convalescent homes, etc.	157
Jails, institutions, etc	9
Reinspections (all types)	124
INSPECTIONS BY FIRE COMPANY OFFICERS:	
Building inspections	16,342
Theaters	4,646
Schoolhouses	3,488
Public buildings	804
Carbarns	60
Fuel oil burner installations and equipment	8,392
Inflammable fluids, storage facilities	506
Open-air fires	581
Tank removals	55
License renewals, garage, repair shop, inflammables	2,745
License renewals, parking lots	385
License petitions (location approvals)	200
Blasting	12
Boarding homes for children	184
Day nurseries	72
Hospitals	176
Reinspections (all types)	7,002
Total inspections and reinspections	79,184
Hazardous conditions remedied	19,041
Conditions referred to other departments (written)	471
FIRE DRILLS:	
Schools	804
Theaters	348
Hospitals, institutions, etc.	251
Industrial and mercantile establishments	524

ARSON SQUAD ACTIVITIES — 1950.

Fires reported as of suspicious origin	39
Fires reported as of incendiary origin	16
Fires reported as of undetermined origin	165
Fires, multiple alarms	72
Fires, causes given, but investigated	54
Fires alleged to be set by boys	42
Deaths resulting from fires	15
Fire prevention inspections	146
Tests made of manholes, catch basins, inflammable gases	96
Cases presented to the Grand Jury, Suffolk County	5
Convictions, Superior Court, Suffolk County	4
Cases presented, Municipal District Courts	20
Convictions, Municipal Courts	15

CHEMICAL LABORATORY.
(Summary of Analyses and Tests — 1950.)

Tests of flammable liquids	24
Tests of decorative materials	646
Analyses of materials for Arson Squad	3

PHOTOGRAPHIC LABORATORY.
(Summary of Activities — 1950.)

Suspicious and undetermined fires	443
Poor housekeeping, hazardous conditions	56
Multiple alarm fires	144
Accidents	494
Photographs of department personnel	1,100
Miscellaneous Photographs: Drills, Fire Prevention Week Activities, New Apparatus and Equipment, Fire Stations, Firemen's Ball, etc.	760

ANALYSIS OF FIRES IN BUILDINGS AND CAUSES OF FIRES.

ANALYSIS OF FIRES IN BUILDINGS — 1950.

Construction of Buildings.

Fire-resistive	309
Second class	1,980
Frame	1,821
Other types	18
Total	4,128

Point of Origin.

Basement	1,145
First floor	1,219
Second floor	596
Third floor	381
Above third floor	224
Roof	100
Outside	463
Total	4,128

Extent of Fire.

Confined to point of origin	2,687
Confined to buildings	1,388
Spread to other buildings	53
Total	4,128

CAUSES OF FIRES IN BUILDINGS — 1950.

Fireworks	6
Careless smoking	1,282
Chimneys: defective, soot, and sparks	364
Fuel oil burners	667
Electrical appliances and motors	304
Children and matches	241
Unknown	135
Miscellaneous known causes	175
Spontaneous ignition	88
Defective heaters and rubbish	122
Grease and food on stove	112
Other careless use of matches	43
Hot ashes	36
Defective wiring	223
Incendiary or suspicious	42
Clothes too near fire	39
Flammable liquids	31
City gas and appliances	21
Sparks from machines	46
Thawing water pipes	21
Malicious mischief	125
Kerosene lamps, stoves	1
Home dry cleaning	4
1950 Total	4,128

CAUSES OF OUTDOOR FIRES — 1950.

Brush	1,946
Automobile	1,161
Other outdoor fires	1,280
Rubbish (vacant lot)	1,106
Rubbish (near building)	586
Dump	79
Marine	25
1950 Total	6,183
Rescues (emergency calls)	1,822
Out of city calls	104
	1,926

MAINTENANCE DIVISION.

MAINTENANCE DIVISION.

RECORD OF HOSE.

PURCHASED.	Condemned.	Repaired.	In Service.	In Stock.
14,500 ft.	21,999 ft.	29,410 ft.	243,970 ft.	7,998 ft.

PAINTING ACTIVITIES.

TYPE OF WORK.	Number of Jobs.	Labor Costs.	Material Costs.	Total Costs.
Complete apparatus	5	$1,025 03	$175 33	$1,200 36
Partial apparatus	50	537 61	84 62	622 23
Miscellaneous	108	1,378 02	137 20	1,515 22
	163	$2,940 66	$397 15	$3,337 81

REPAIRS TO APPARATUS.

PERFORMED BY →	B. F. D. Maint. Div.	Outside Concerns.	Total.
Number of jobs	4,745	308	5,053
Cost of labor and material	$65,549 04	$17,417 82	$82,966 86

REPAIRS TO BUILDINGS.

PERFORMED BY →	B. F. D. Maint. Div.	Outside Concerns.	Total.
Number of jobs	864	216	1,160
Cost of labor	$31,738 98	—	—
Cost of material	6,353 88	—	—
Total cost	$38,092 86	$20,804 10	$58,896 96

REPAIRS TO FIREBOATS.

	COST, MATERIAL.			Total.
	Lumber.	Packing.	Valves.	
B. F. D., Maintenance Division	$154 98	$26 77	$271 56	$453 31
Outside Concerns	$12,304 12			

MOTOR EQUIPMENT INVENTORY.

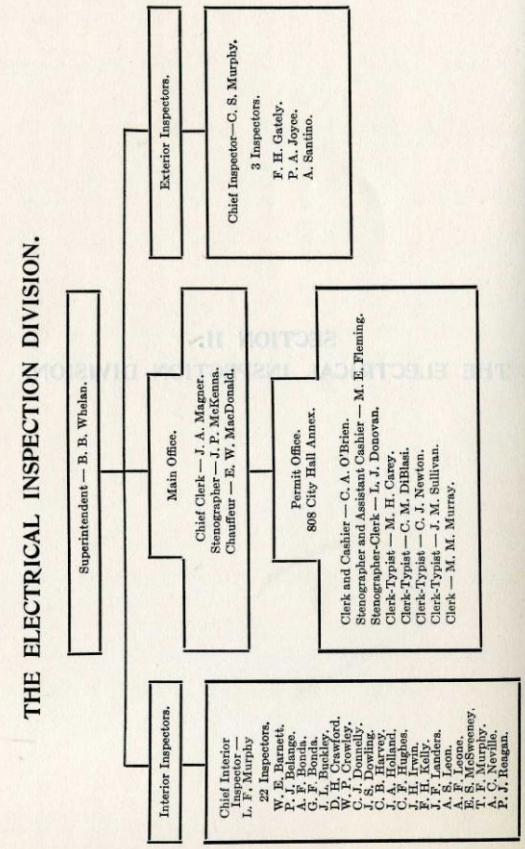
TYPE OF EQUIPMENT.	In Service.	In Reserve.
Pumping engines	53	12
Hose cars	44	10
Aerial ladder trucks	24	9
Junior aerial ladder trucks	7	—
City service ladder trucks	3	2
Water towers	2	2
Wrecking unit	1	—
Rescue cars	3	1
Fuel cars	1	1
Lighting plants	3	1
Auxiliary pumpers	6	—
Chief officers' cars	58	12
Commercial trucks	21	5
Totals	226	55

RECORD OF UNIFORM CLOTHING.

ARTICLE.	Received and Distributed.	Repaired and Cleansed.	Reissued.
Overcoats	40	31	108
Sack coats	363	100	105
Trousers	1,226	129	43
Uniform caps	1,390	—	31
Rubber fire coats	303	335	11
Dungarees	—	—	—

SECTION II.
THE ELECTRICAL INSPECTION DIVISION.

THE ELECTRICAL INSPECTION DIVISION.



ELECTRICAL INSPECTION DIVISION.

The following report shows the work of the Electrical Inspection Division for the year 1950.

The underground district for 1950 was prescribed and public notice given in accordance with chapter 100 of the Acts of 1946.

Hearings were held on the streets proposed for the 1951 underground district and notices mailed by the City Clerk to the abutters in accordance with provisions of the law. Hearings were also held for proposed terminal pole locations and abutters notified in accordance with the provisions of the law.

Rest homes, homes for the aged, agencies for the day care of children, nursing homes and hospitals (particular attention being given to operating rooms) were inspected in addition to the usual inspections and reinspections of business establishments, residences, etc., and new installations of electric wiring and apparatus.

EXPENSES AND INCOME OF THE DIVISION FOR 1949 AND 1950.

	1949.	1950.
Expenses	$130,993 74	$136,215 57
Income	67,055 21	73,407 47

FIRES AND MISCELLANEOUS TROUBLES.

Fires and miscellaneous troubles reported as due to electrical causes were investigated and reports of the same are on file in the records of this division.

Causes of Fires and Miscellaneous Troubles Investigated by the Electrical Inspection Division in 1950.

Fixtures and portable lamps	50
Flexible cords and cable	43
Insulation breakdowns	22
Armored cable	13
Receptacles (flush)	6
Radios	4
Televisions	4
Caused by water leaks	12

Oil burner control	3
Motor compensator	1
Flatirons	3
Heating pad	1
Neon signs	4
Christmas tree	1
Flush receptacles and switches	3
Total	170
Motors:	
Washing machines	10
Elevator	1
Refrigerators	57
Conveyor	1
Oil burners	3
Miscellaneous troubles	21
Total	93
Utilities:	
Manhole troubles	22
Overhead lines	5
Total	27
Grand total	290

EXTERIOR DIVISION.

The following are the proposed streets selected by the Fire Commissioner for the 1951 underground district in accordance with chapter 100, Acts of 1946:

Boston Proper.

Randolph street, Albany street to Harrison avenue.

Dorchester.

Greenwood street, Erie street to Harvard street.

Brighton.

North Harvard street, Cambridge street to Western avenue; North Beacon street, Glencoe street to Electric avenue; Parsons street, Washington street to North Beacon street; Lincoln street, Everett street to Market street.

East Boston.

Bremen street, Porter street to Bennington street.

Charlestown.

Washington street, Harvard street to Rutherford avenue; Harvard street, Washington street to Devens street; Sever street, Gardner street to Cambridge street; Albion place, Main street to end; Dorrance street, Arlington avenue to Main street.

Making a total distance of four miles in accordance with law.

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

1. Vitrified clay (laid in concrete)
2. Fiber (laid in concrete)
3. Iron
4. Wood
5. Transite (laid in concrete)

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

EXPENDITURES.

	1949.	1950.
PERSONAL SERVICE:		
Permanent employees	$122,481 09	$130,481 78
CONTRACTUAL SERVICES:		
Printing and binding	224 00	—
Advertising and posting	102 30	109 50
Transportation of persons	1,494 15	1,636 26
Bond and insurance premiums	40 00	40 00
Communication	994 04	1,161 57
General repairs	38 97	72 55
Fees, services of venires, etc.	—	50 00
	$2,893 46	$3,069 88
EQUIPMENT:		
Office	—	19 38
Library	30 00	—
	$30 00	$19 38
SUPPLIES:		
Office	2,546 57	2,644 53
MATERIALS:		
Electrical	7 70	—
SPECIAL ITEMS:		
Pensions	3,024 92	—
Workmen's Compensation	10 00	—
	$3,034 92	
Grand totals	$130,993 74	$136,215 57

UNDERGROUND WORK FOR THE YEAR — 1950.

COMPANY.	LENGTH IN FEET.			NUMBER OF	
	Conduit.	Duct.	Cable.	Manholes.	Services.
Boston Edison Company	66,073	212,326	984,481	116	793
New England Telephone and Telegraph Company	5,369	11,739	4,716,140	2	65
Boston Consolidated Gas Company	1,101	5,738	57,728	8	18
Boston Fire Department	424	424	29,632	—	14
Boston Police Department	—	—	18,209	—	—
Metropolitan Transit Authority	—	—	1,251.5	—	—
Western Union Telegraph Company	—	—	—	—	—

TABLE SHOWING WORK OF EXTERIOR DIVISION — 1950.

Number of poles set in new locations	223
Number of poles removed	82
Number of poles reset, replaced, straightened	373
Number of poles standing in public streets	19,217
Number of inspections	8,073
Number of notices of overhead construction	5,145
Number of overhead reports	4,326
Number of notices of underground construction	2,475
Number of underground reports	1,265
Number of accidents reported and investigated	205
Number of street lamp locations investigated	1,230
Feet of wire removed by the various companies	4,831,350

SUMMARY OF WORK OF INTERIOR DIVISION — 1950.

Permits issued to perform work	19,012
Permits issued to turn on current	15,476
Inspections made	36,831
Inspections made of theaters	1,025

CHARACTER OF CABLES USED BY THE VARIOUS COMPANIES — 1950.

COMPANY.	Type of Insulation.	Size.
Boston Edison Company	Rubber, varnished cambric, lead	No. 6 to 1,500 M.C.M.
New England Telephone and Telegraph Company	Paper, lead	2-2121 pairs Nos. 13-26.
Boston Consolidated Gas Company	Rubber, varnished cambric, lead, paper	Nos. 6 to 1,000 M.C.M.
Boston Fire Department	Rubber, polyethylene, lead	4 to 37 conductors.
Boston Police Department	Rubber, paper, lead	11 conductors and 10 pairs.
Metropolitan Transit Authority	Rubber, neoprene, lead	No. 6 to 1,000 M.C.M.
Western Union Telegraph Company		None.

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CITY OF BOSTON PRINTING DEPARTMENT