

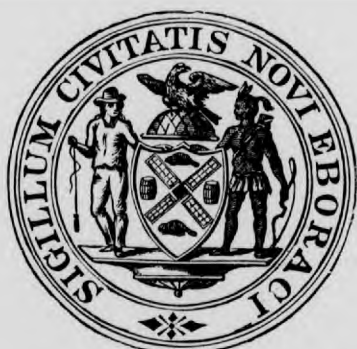
THE CITY RECORD.

OFFICIAL JOURNAL.

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NEW YORK, WEDNESDAY, AUGUST 31, 1898.

NUMBER 7,698.



FIRE DEPARTMENT.

Report for the Year ending December 31, 1897.

HEADQUARTERS FIRE DEPARTMENT,
Nos. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, June 27, 1898.

Hon. ROBERT A. VAN WYCK, Mayor of The City of New York:

DEAR SIR—I have the honor herewith, on behalf of the Fire Department of The City of New York, to present its annual report for the year commencing January 1 and ending December 31, 1897, containing:

1. The number of persons appointed and employed by said Department.
2. Statement of the annual appropriation made by the Board of Estimate and Apportionment, together with a statement of expenditures and amount of bills and pay-rolls audited.
3. Statement of bond issues for sites, buildings, underground telegraph, etc., under chapter 76, Laws of 1894, as amended.
4. The number of apparatus and the number of alarms responded to.
5. The register of officers of the uniformed force in active service during the year, and year of entry of both officers and members.
6. The number and character of alarms, manner of receipt and cause.
7. Statistics of fires.
8. Notable fires.
9. Presentation of medals.
10. Roll of merit.
11. Strength of uniformed force, number of fires with losses as compared to population, number of buildings, etc., from 1866 to 1897.
12. Enumeration of buildings.
13. Losses and insurance.
14. Extent of loss at fires.
15. Record of fires by districts.
16. Statistical map of districts.
17. Indictments and convictions for arson, incendiarism, etc.
18. Operations under the laws regulating the storage of combustibles and explosive materials, etc.
19. Money received for licenses and permits issued, penalties collected, sale of explosives, etc., seized, etc.
20. Fire-alarm Telegraph.
21. Action of the Attorney to the Department in the matter of violations of the laws relating to combustibles, etc., hotels, theatres, etc., and miscellaneous business.
22. Sanitary statistics of the uniformed force.
23. Repair Shop.
24. Inventory of apparatus.
25. Description of fire-boats.
26. Horses.
27. New sites purchased during the year.
28. New buildings.
29. Alterations and repairs to buildings.
30. Buildings and sites occupied by or under control of the Department.
31. Receipts and disbursements of the Relief Fund, 1871 to 1897 (inclusive).
32. Contributions to the Relief Fund.
33. Receipts and disbursements of the Life Insurance Fund, 1871 to 1897 (inclusive).
34. Map of city showing location of fires during the year.

Yours respectfully,

JOHN J. SCANNELL, Commissioner.

PERSONNEL, DECEMBER 31, 1897.

Headquarters—		
Commissioners.....	3	
Secretary and Assistant Secretary.....	2	
Attorney.....	1	
Purchasing Agent.....	1	
Medical Officers.....	3	
Buildings Superintendent and Assistant Buildings Superintendent.....	2	
Bookkeepers and Clerks.....	8	
Stenographers and Typewriters.....	8	
Weighmaster.....	1	
Storekeeper and Assistant.....	2	
Auditor.....	1	
Draughtsmen and Mapmakers.....	2	
Engineer, Elevator Attendants, Watchmen, Stokers.....	9	
Plumbers.....	2	
Carpenter.....	1	
Laborer.....	1	
Drivers.....	2	
Cleaners and Scrubwomen.....	5	
		54
Bureau of Chief of Department—		
Uniformed Force:		
Chief of Department and Deputy Chiefs of Department.....	4	
Chiefs of Battalion.....	14	
Chief Instructor.....	1	
Foremen.....	94	
Assistant Foremen.....	102	
Engineers.....	140	
Firemen { First Grade.....	674	
Second Grade.....	99	
Third Grade.....	12	
		785
Ununiformed Force on Fire-boats:		
Pilots.....	4	
Stokers.....	12	
Engineers.....	2	
		18
		1,158

Bureau of Inspector of Combustibles—		
Inspector of Combustibles.....	1	
Clerks.....	2	
Surveyors.....	6	
Oil Collectors.....	4	
		13
Bureau of Fire Marshal—		
Fire Marshal.....	1	
Assistant Fire Marshal.....	1	
Confidential Examiner.....	1	
Clerk.....	1	
		4
Fire-alarm Telegraph—		
Superintendent of Telegraph.....	1	
Chief Operator.....	1	
Operators.....	6	
Assistant Operators.....	6	
Chief Inspector of Electrical Appliances and Assistant.....	2	
Inspectors of Electrical Appliances.....	7	
Clerks and Stenographers.....	6	
Inspectors of Alarm Boxes.....	3	
Instrument Makers.....	3	
Batterymen and Assistant Batterymen.....	3	
Groundmen.....	7	
Foreman of Linemen.....	1	
Lineman.....	1	
Mason.....	1	
Cable Splicers.....	3	
Climbers.....	8	
Painter and Machinist Helper.....	2	
Drivers.....	2	
Stablemen.....	2	
		65
Repair Shops—		
Foreman.....	1	
Receiver of Supplies.....	1	
Engineers.....	11	
Machinists.....	4	
Machinist's Helper.....	1	
Machinist's Apprentices.....	2	
Mechanics.....	6	
Blacksmiths.....	6	
Blacksmith's Helpers.....	6	
Wheelwrights.....	3	
Harness Makers.....	3	
Hose Repairers and Helpers.....	8	
Painters.....	2	
Watchmen.....	6	
Driver.....	1	
Boiler Maker.....	1	
Coppersmiths.....	3	
Steamfitter.....	1	
Woodworkers.....	2	
Laborer.....	1	
Boardmen.....	1	
Carpenters.....	4	
		74
Hospital Stables—		
Superintendent and Assistant.....	2	
Feedman.....	1	
Stablemen.....	9	
Drivers.....	3	
		15
Total active force.....		1,329
Relieved from service at fires, Uniformed Force—		
Chiefs of Battalion.....	5	
Foremen.....	9	
Assistant Foremen.....	7	
Engineers.....	17	
Firemen.....	57	
Private.....	1	
		96
Aggregate.....		1,425

Appropriation (Including Transfers) and Expenditures.

TITLE OF APPROPRIATION.	AMOUNT.	EXPENDED.	BALANCE.
Salaries—			
Headquarters.....	\$67,251 00	\$67,242 40	\$8 60
Bureau Chief of Department.....	61,275 00	61,275 00	.....
Bureau Inspector of Combustibles.....	17,700 00	17,690 32	9 68
Bureau Fire Marshal.....	8,100 00	8,100 00	.....
Bureau Fire-alarm Telegraph and Electrical Appliances..	59,994 00	59,976 21	17 79
Repair Shops.....	64,443 00	64,440 65	2 35
Hospital and Training Stables.....	14,091 00	14,071 94	19 06
Engine and Hook and Ladder Companies.....	1,717,922 00	1,716,951 70	970 30
Total Salaries.....	\$2,010,776 00	\$2,009,748 22	\$1,027 78
Apparatus, Supplies, etc.....	368,660 00	251,219 77	117,440 23
New Fire-boat.....	56,490 00	30,577 50	25,912 50
Total.....	\$2,435,926 00	\$2,291,545 49	\$144,380 51

Amount of Bills and Pay-rolls Audited.

Bills for 1895.....	\$71,364 90
Bills for 1896.....	211,192 20
Bills for 1897.....	319,558 96
Pay-rolls for 1897.....	\$602,116 06
	2,009,748 22
	\$2,611,864 28

Bond Issue for Sites, Buildings, Underground Telegraph, etc., under Chapter 76, Laws of 1894, as Amended.

Year.	TITLE OF APPROPRIATION.	AMOUNT.	EXPENDED.	BALANCE.
1895	New Sites.....	\$35,000 00	\$35,000 00	.....
1896	".....	120,932 25	70,572 25	\$50,358 00
1897	".....	110,000 00	47,707 50	62,292 50
				\$112,630 50
1895	New Buildings.....	32,530 45	32,417 90	\$112 55
1896	".....	105,346 45	87,145 30	18,201 15
1897	".....	138,000 00	39,971 65	98,028 35
				\$116,342 05
1895	Additions and Alterations to Buildings.....	35,000 00	29,737 00	\$5,263 00
1896	".....	12,294 50	11,453 00	841 50
1897	".....	20,000 00	16,770 00	3,230 00
				\$9,334 50
1895	Fitting up and Furnishing Buildings.....	12,000 00	11,990 31	\$9 69
1896	".....	12,000 00	11,788 57	211 43
1897	".....	7,000 00	1,871 00	5,129 00
				\$5,350 12
1895	Placing Wires and Conduits Underground.....	40,000 00	40,000 00	.....
1896	".....	44,898 35	27,374 74	\$17,523 61
1897	".....	25,000 00	.....	25,000 00
				\$42,523 61

Company Organization, Number of Apparatus, Number of Alarms Responded to, etc.

COMPANY.	Engines.	APPARATUS.					No. of Alarms Responded to.	No. of Fires Performed Duty at.
		No. of Four-wheel Hose Wagons. (2 horses each.)	No. of Four-wheel Tenders. (2 horses each.)	No. of Two-wheel Tenders. (1 horse each.)	No. of Hook and Ladder Trucks. (3 horses each.)	No. of Hook and Ladder Trucks. (2 horses each.)		
Engine 1.....	1	1	..	..	..	..	185	36
" 2.....	1	1	..	..	..	..	160	35
" 3.....	1	1	..	..	..	..	139	27
" 4.....	1	1	..	..	..	..	106	37
" 5.....	2	1	..	1	..	..	195	44
" 6.....	1	1	..	..	..	..	93	45
" 7.....	1	1	..	..	..	..	136	42
" 8.....	1	..	1	..	..	..	199	36
" 9.....	1	1	..	..	..	..	246	63
" 10.....	1	1	..	..	..	..	60	31
" 11.....	1	1	..	..	..	..	200	56
" 12.....	2	1	..	1	..	..	218	57
" 13.....	2	1	..	1	..	..	194	61
" 14.....	1	1	..	..	..	..	210	79
" 15.....	1	1	..	..	..	..	242	45
" 16.....	2	1	1	..	..	..	195	34
" 17.....	1	1	..	..	..	..	402	95
" 18.....	2	1	..	1	..	..	230	53
" 19.....	1	22	..	..	..	..	166	27
" 20.....	1	1	..	..	..	..	202	57
" 21.....	1	1	..	..	..	..	182	38
" 22.....	1	1	..	..	..	..	191	50
" 23.....	1	1	..	..	..	..	214	63
" 24.....	1	1	..	..	..	..	149	36
" 25.....	1	1	..	..	..	..	214	44
" 26.....	2	1	1	..	..	..	225	40
" 27.....	2	1	..	1	..	..	104	39
" 28.....	1	1	..	..	..	..	116	29
" 29.....	1	1	..	..	..	..	65	28
" 30.....	1	1	..	..	..	..	149	48
Engine 31.....	2	1	1	..	61	..	154	48
" 32.....	1	1	..	..	..	..	78	42
" 33.....	2	1	..	1	..	..	148	58
" 34.....	1	1	..	..	..	..	146	31
" 35.....	1	1	..	..	..	..	195	51
" 36.....	1	1	..	..	..	..	119	34
" 37.....	1	..	1	..	..	..	101	25
" 38.....	1	1	..	..	..	1	39	10
" 39.....	1	1	..	..	..	..	161	34
" 40.....	1	1	..	..	..	..	153	48
" 41.....	1	1	..	..	..	..	65	25
" 42.....	1	1	..	..	..	..	39	14
" 43.....	1	..	..	..	..	..	113	14
" 44.....	1	..	1	..	..	..	193	47
" 45.....	1	..	1	..	..	..	28	9
" 46.....	1	1	..	..	..	..	24	6
" 47.....	1	..	1	..	..	..	103	20
" 48.....	1	1	..	..	..	1	35	14
" 49.....	1	..	..	1	..	1	7	3
" 50.....	1	1	..	..	..	1	31	16
" 51.....	1	..	..	..	..	..	131	7
" 52.....	1	..	1	..	..	1	13	9
" 53.....	1	1	..	..	..	..	137	31
" 54.....	1	1	..	..	..	..	202	49
" 55.....	1	1	..	..	..	..	144	67
" 56.....	1	..	1	..	..	..	119	32
" 57.....	1	..	..	..	..	..	154	13
" 58.....	1	1	..	..	..	..	137	32
" 59.....	1	1	..	..	..	..	105	20
" 60.....	1	1	..	..	..	..	73	23
" 61.....	..	dt	..	..	..	..	11	9
" 62.....	..	1	..	..	..	1	9	6
" 63.....	..	dt	..	..	..	..	9	4
" 64.....	..	1	..	..	..	..	7	..
Hook and Ladder 1.....	..	..	..	..	1	..	259	151
" 2.....	..	..	..	..	1	..	271	109
" 3.....	..	..	..	..	1, gt	..	303	178
" 4.....	..	..	..	..	1	..	350	210
" 5.....	..	..	..	..	1	1	262	83
" 6.....	..	..	..	..	1	..	432	217
" 7.....	..	..	..	..	1	..	264	162
" 8.....	..	..	..	..	1	..	160	104
" 9.....	..	..	..	..	1	..	329	155
" 10.....	..	..	dt	..	1	..	147	93
" 11.....	..	..	..	..	1	dt	290	128
" 12.....	..	..	..	..	1	..	290	122
" 13.....	..	..	..	..	1	..	216	169
" 14.....	..	..	..	..	1	..	244	192
" 15.....	..	..	..	..	1	..	81	57
" 16.....	..	..	..	..	1	..	201	118
" 17.....	..	..	..	..	1	..	100	65
" 18.....	..	..	..	..	1	..	443	203
" 19.....	..	1	..	..	..	1	20	15
" 20.....	..	..	..	..	1	..	300	145
" 21.....	..	..	..	..	1, dt	..	343	165
" 22.....	..	..	..	..	1, dt	..	219	114
Water Tower No. 1.....	..	..	..	..	..	..	251	11
" 2.....	..	..	..	..	..	..	249	3
" 3.....	..	..	..	..	..	..	215	1

a One hose wagon used as boat tender.

b Water-tower.

c Fire-boat.

d Combination chemical engine and hose wagon.

e Boat-tender.

g Water-tower.

h Wrecking-truck.

i Water-tower.

j Chemical engine.

Register of Officers of the Uniformed Force in Active Service on December 31.

NAME.	Age.	ORIGINAL APPOINTMENT.		PROMOTION.		ASSIGNMENT.
		Grade.	Date.	Grades.	Dates.	
Chief of Department.						
Bonner, Hugh.....	27	Foreman.....	Sept. 18, 1865	Chief of Battalion.....	May 21, 1873	
				2d Assistant Chief of Department.....	Jan. 4, 1883	
				Assistant Chief of Department.....	May 1, 1884	
				Chief of Department.....	May 22, 1889	
Deputy Chiefs of Department.						
Reilly, Francis J.....	22	Fireman.....	Sept. 27, 1865	Assistant Foreman.....	Oct. 15, 1870	
				(a) Foreman.....	July 1, 1871	
				Assistant Foreman.....	May 1, 1872	
				Foreman.....	June 6, 1872	
				Chief of Battalion.....	Feb. 1, 1880	
				(b) 2d Assistant Chief of Department.....	Aug. 4, 1886	
				Deputy Chief of Department.....	May 22, 1889	

a Reduced to Fireman, April 1, 1872.

b Reassigned as Chief of Battalion, July 1, 1887.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.		ASSIGNMENT.
	Age.	Grade.	Date.	Grades.	Dates.	
Purroy, Charles D.	24	Private.	Jan. 22, 1880	Fireman.	Apr. 1, 1880	
				Assistant Foreman.	Apr. 5, 1881	
				Foreman.	Dec. 31, 1882	
				Chief of Battalion.	May 1, 1883	
				Deputy Chief of Department.	Jan. 2, 1883	
				Assistant Foreman.	Jan. 22, 1886	
				Foreman.	June 1, 1886	
				District Engineer.	July 1, 1871	
				Chief of Battalion.	May 21, 1873	
				Deputy Chief of Department.	Nov. 11, 1897	
				Assistant Foreman.	Apr. 21, 1873	
				Foreman.	Nov. 1, 1881	
				Chief of Battalion.	May 1, 1884	5th Battalion, May 1, 1884.
				Assistant Foreman.	Feb. 15, 1872	
				Foreman.	Apr. 27, 1879	
				Chief of Battalion.	Aug. 4, 1886	13th Battalion, April 1, 1897.
				Assistant Foreman.	June 1, 1886	
				Foreman.	Apr. 18, 1883	
				Chief of Battalion.	Aug. 4, 1886	
				(c) Foreman.	July 1, 1887	
				Chief of Battalion.	May 22, 1889	11th Battalion, May 22, 1889.
				Assistant Foreman.	July 20, 1871	
				Foreman.	Nov. 1, 1881	
				Chief of Battalion.	Jan. 1, 1892	10th Battalion, January 1, 1892.
				Chief of Battalion.	Jan. 2, 1891	12th Battalion, November 1, 1895.
				Assistant Foreman.	Apr. 1, 1881	
				Foreman.	Feb. 25, 1886	
				Chief of Battalion.	Jan. 2, 1893	14th Battalion, April 1, 1896.
				Assistant Foreman.	Aug. 16, 1884	
				Foreman.	Feb. 25, 1886	
				Chief of Battalion.	Jan. 2, 1893	3d Battalion, November 2, 1895.
				Engineer of Steamer.	Aug. 1, 1866	
				Assistant Foreman.	Feb. 15, 1872	
				Foreman.	June 10, 1873	
				Chief of Battalion.	Jan. 10, 1895	8th Battalion, January 10, 1895.
				Assistant Foreman.	Apr. 1, 1889	
				Foreman.	July 15, 1869	
				Chief of Battalion.	Feb. 1, 1895	2d Battalion, February 1, 1895.
				Foreman.	Mar. 3, 1873	
				Assistant Foreman.	Aug. 22, 1890	
				Foreman.	Jan. 1, 1894	
				Chief of Battalion.	Nov. 1, 1895	4th Battalion, December 1, 1897.
				Assistant Foreman.	May 1, 1875	
				Foreman.	July 1, 1881	
				Chief of Battalion.	Dec. 24, 1895	6th Battalion, April 1, 1897.
				Assistant Engineer of Steamer.	Apr. 1, 1880	
				Assistant Foreman.	May 23, 1883	
				Foreman.	May 3, 1884	7th Battalion, December 1, 1897.
				Chief of Battalion.	Apr. 1, 1897	
				Assistant Foreman.	Sept. 27, 1877	
				Foreman.	Jan. 1, 1895	
				Chief of Battalion.	Apr. 1, 1897	1st Battalion, April 1, 1897.
				Assistant Foreman.	May 20, 1884	
				Foreman.	Aug. 16, 1881	
				Chief of Battalion.	Dec. 1, 1897	9th Battalion, December 1, 1897.
				Assistant Foreman.	Nov. 1, 1881	
				Foreman.	May 23, 1883	
				Chief Instructor.	June 1, 1897	
						Engine 49.
						Engine 57.
						Engine 22.
						Engine 37.
						Engine 24.
						Engine 64.
						Hook and Ladder 3.
						Engine 48.
						Engine 50.
						Engine 42.
						Engine 38.
						Hook and Ladder 8.
						Engine 36.
						Engine 25.
						Engine 51.
						Hook and Ladder 17.
						Engine 27.
						Engine 14.
						Hook and Ladder 1.
						Engine 45.
						Engine 63.
						Engine 62.
						Hook and Ladder 13.
						Engine 56.
						Engine 40.
						Engine 46.
						Engine 44.
						Engine 4.
						Engine 61.
						Engine 7.
						Engine 35.
						Engine 41.
						Engine 32.
						Engine 19.
						Hook and Ladder 18.
						Engine 47.
						Engine 60.
						Hook and Ladder 19.
						Engine 59.
						Hook and Ladder 6.

c Reassigned as Foreman, July 1, 1887.
d Resigned, January 15, 1866.

e Resigned, May 21, 1872.
f Resigned, May 21, 1872.

g Resigned, October 16, 1871.
h Resigned, June 8, 1872.

i Resigned, July 1, 1875.
j Dropped, May 21, 1873.

p Resigned, September 16, 1872.
q Resigned, September 29, 1865.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.		ASSIGNMENT.
	Age.	Grade.	Date.	Grades.	Dates.	
21. Autenreith, Charles J.	25	Private.	Feb. 12, 1881	Assistant Engineer of Steamer.	Dec. 17, 1881	Engine 15. Engine 5. Hook and Ladder 6.
22. Head, Thomas	26	Fireman.	Feb. 15, 1869	Assistant Foreman.	May 20, 1884	
23. Touhey, Martin J.	21	Fireman.	Mar. 15, 1872	Assistant Foreman.	May 20, 1884	
24. Hennessey, William	30	Fireman.	Dec. 21, 1874	Assistant Foreman.	May 20, 1884	
25. O'Grady, Joseph.	27	Private.	Jan. 18, 1882	Assistant Foreman.	May 20, 1884	Engine 48.
26. Peterson, Adolph J.	25	Private.	Nov. 24, 1877	Assistant Engineer of Steamer.	Oct. 20, 1880	Engine 59. Hook and Ladder 19. Hook and Ladder 18. Engine 27.
27. Reshinger, Joseph	23	Private.	Oct. 25, 1873	Assistant Foreman.	Aug. 16, 1884	
28. Banta, Samuel	28	Private.	May 10, 1880	Assistant Foreman.	July 1, 1885	
29. Miller, William	28	Private.	Jan. 22, 1883	Assistant Foreman.	July 1, 1885	
30. Flaherty, James	29	Private.	Apr. 2, 1881	Assistant Foreman.	Dec. 1, 1886	Engine 45.
31. Taylor, Joseph W.	25	Fireman.	Feb. 15, 1882	Assistant Foreman.	Dec. 1, 1886	Engine 11.
32. Naughton, John J.	23	Private.	Jan. 1, 1873	Assistant Foreman.	Mar. 1, 1887	Engine 44.
33. Coyle, Thomas.	31	Fireman.	Dec. 1, 1881	Assistant Engineer of Steamer.	Feb. 2, 1883	Hook and Ladder 15.
34. Mackey, Henry F.	26	Fireman.	Feb. 16, 1870	Engineer of Steamer.	Feb. 1, 1885	
35. Levin, Michael H.	29	Fireman.	Oct. 15, 1872	Assistant Foreman.	June 1, 1888	
36. Hern, John.	23	Fireman.	Feb. 10, 1876	Assistant Foreman.	Mar. 1, 1873	
37. Reilly, Lawrence J.	25	Fireman.	Sept. 11, 1885	Assistant Foreman.	May 1, 1876	Engine 34. Engine 61. Hook and Ladder 5. Hook and Ladder 20.
38. Horan, Patrick T.	28	Private.	May 10, 1871	Assistant Foreman.	Nov. 19, 1889	
39. Smith, James J., No. 1	26	Private.	Oct. 27, 1880	Assistant Foreman.	Nov. 19, 1889	
40. Fitzmaurice, Daniel P.	22	Private.	Apr. 4, 1881	Assistant Foreman.	Nov. 19, 1889	
41. Burns, Michael A.	22	Fireman.	Feb. 15, 1882	Assistant Foreman.	Aug. 22, 1890	Engine 42.
42. Lunny, Hugh J.	24	Private.	Mar. 1, 1883	Assistant Foreman.	Aug. 22, 1890	Engine 25.
43. Livingston, John J.	27	Private.	Aug. 18, 1884	Assistant Foreman.	Aug. 22, 1890	Hook and Ladder 2.
44. Jeroloman, Norman L.	24	Fireman.	Apr. 3, 1884	Assistant Foreman.	Aug. 22, 1890	Engine 3.
45. Cunningham, William	28	Fireman.	Sept. 4, 1885	Assistant Foreman.	Aug. 22, 1890	Hook and Ladder 21.
46. Brogan, James C.	26	Fireman.	May 1, 1880	Assistant Foreman.	Aug. 22, 1890	Engine 35.
47. Brennan, Patrick J., No. 2	27	Fireman.	Sept. 4, 1885	Assistant Foreman.	Aug. 22, 1890	Engine 22.
48. Maher, Patrick, No. 1	27	Fireman.	June 7, 1886	Assistant Foreman.	June 11, 1891	Hook and Ladder 10.
49. Sherrick, Joseph.	27	Fireman.	Jan. 30, 1873	Assistant Foreman.	June 11, 1891	Engine 7.
50. Skelly, Thomas F.	22	Private.	Aug. 26, 1884	Assistant Foreman.	Nov. 15, 1891	Engine 9.
51. Sheehan, Daniel J.	27	Fireman.	Jan. 7, 1886	Assistant Foreman.	Nov. 15, 1891	Engine 26.
52. Cox, William H.	30	Fireman.	June 2, 1869	Assistant Foreman.	Nov. 15, 1891	Engine 34. Engine 20. Hook and Ladder 7. Engine 4.
53. Finn, James.	26	Fireman.	Oct. 15, 1872	Assistant Foreman.	Nov. 1, 1892	
54. Foley, Patrick.	22	Fireman.	Mar. 1, 1873	Assistant Foreman.	Nov. 1, 1892	
55. McBride, Peter.	29	Fireman.	Dec. 19, 1874	Assistant Foreman.	Nov. 1, 1892	
56. Kelly, Bernard.	23	Fireman.	Apr. 1, 1883	Assistant Foreman.	Apr. 1, 1893	Engine 46.
57. Stone, Charles H.	22	Fireman.	Sept. 4, 1885	Assistant Foreman.	Jan. 5, 1893	Hook and Ladder 16.
58. McGinnis, Francis.	29	Private.	May 16, 1881	Assistant Foreman.	Jan. 5, 1893	Engine 18.
59. McGrath, James J.	21	Fireman.	June 1, 1872	Assistant Foreman.	Jan. 5, 1893	Engine 50.
60. Hayes, James J.	25	Private.	May 8, 1882	Assistant Foreman.	Jan. 5, 1893	Engine 31.
61. Gibney, Thomas P.	22	Private.	Oct. 9, 1882	Assistant Foreman.	July 2, 1886	Engine 6.
62. Morrison, Martin.	24	Private.	Apr. 7, 1884	Assistant Foreman.	Jan. 1, 1894	Engine 43.
63. Norton, Thomas F.	28	Fireman.	Jan. 1, 1887	Assistant Foreman.	Jan. 1, 1895	Engine 29.
64. Walsh, Joseph S.	21	Private.	May 8, 1880	Assistant Foreman.	Jan. 1, 1895	Engine 54.
65. Hennessey, Frank J.	24	Private.	Aug. 20, 1881	Assistant Foreman.	Jan. 1, 1895	Engine 5.
66. Del'Armitage, William L.	29	Private.	May 1, 1882	Assistant Foreman.	Jan. 1, 1895	Engine 16.
67. Farley, John E.	28	Private.	Mar. 5, 1883	Assistant Foreman.	Jan. 1, 1895	Engine 31.
68. Fagan, Edward J.	23	Private.	Sept. 4, 1885	Assistant Foreman.	June 3, 1895	Hook and Ladder 21.
69. Beggin, William T.	22	Fireman.	June 7, 1886	Assistant Foreman.	June 3, 1895	Hook and Ladder 16.
70. Roan, James S.	24	Private.	May 1, 1883	Assistant Foreman.	June 3, 1895	Engine 56.
71. Crowley, Michael P.	22	Private.	Aug. 25, 1884	Assistant Foreman.	June 3, 1895	Hook and Ladder 9.
72. Conway, Daniel J.	23	Fireman.	June 7, 1886	Assistant Foreman.	July 1, 1895	Engine 12.
73. Fuchs, Francis M.	22	Fireman.	Dec. 20, 1886	Assistant Foreman.	July 1, 1895	Hook and Ladder 4.
74. Langford, Thomas R.	22	Fireman.	Dec. 20, 1886	Assistant Foreman.	Apr. 13, 1896	Engine 53.
75. Curren, Benjamin C.	29	Fireman.	June 1, 1891	Assistant Foreman.	Apr. 13, 1896	Engine 20.
76. Fitzgerald, Michael J.	22	Fireman.	Feb. 11, 1894	Assistant Foreman.	May 1, 1887	Engine 14.
77. Burke, Frank	28	Hoseman.	Sept. 1, 1869	Assistant Foreman.	Apr. 13, 1896	Engine 23.
78. Ryan, John, No. 1.	22	Fireman.	Jan. 16, 1871	Assistant Foreman.	Apr. 13, 1896	Hook and Ladder 11.
79. King, John F.	26	Private.	Dec. 1, 1883	Assistant Foreman.	Apr. 13, 1896	Engine 39.
80. Andrews, Peter, Jr.	21	Private.	Apr. 5, 1884	Assistant Foreman.	July 1, 1871	Engine 1.
81. Duffy, William J.	22	Private.	May 15, 1884	Assistant Foreman.	Feb. 20, 1897	Engine 36.
82. Malone, James.	26	Fireman.	Sept. 4, 1885	Assistant Foreman.	Feb. 20, 1897	Hook and Ladder 5.
83. Higgins, John F.	27	Fireman.	Dec. 17, 1885	Assistant Foreman.	Dec. 4, 1897	Hook and Ladder 1.
84. Coleman, Martin M.	25	Fireman.	Apr. 24, 1887	Assistant Foreman.	Dec. 4, 1897	Engine 18.
85. Kiernan, James B.	21	Fireman.	June 1, 1887	Assistant Foreman.	Dec. 4, 1897	Engine 13.
86. O'Connor, Joseph A.	23	Fireman.	Mar. 11, 1888	Assistant Foreman.	Dec. 4, 1897	Engine 12.
87. Hauck, Henry.	23	Fireman.	Mar. 3, 1889	Assistant Foreman.	Dec. 4, 1897	Hook and Ladder 12.
88. Wieland, William J.	25	Fireman.	Jan. 1, 1890	Assistant Foreman.	Dec. 4, 1897	Engine 32.
89. Howe, John P.	22	Fireman.	June 1, 1890	Assistant Foreman.	Dec. 4, 1897	Engine 16.
90. Graham, Patrick J.	23	Fireman.	June 24, 1890	Assistant Foreman.	Dec. 4, 1897	Hook and Ladder 8.
91. Winter, George H.	25	Fireman.	Aug. 10, 1890	Assistant Foreman.	Dec. 4, 1897	Engine 21.
92. Lawrence, William E., Jr.	22	Fireman.	Aug. 10, 1890	Assistant Foreman.	Dec. 4, 1897	Engine 55.
93. Crawley, Joseph.	22	Fireman.	Feb. 19, 1891	Assistant Foreman.	May 15, 1895	Engine 19.
94. Sheridan, Charles.	24	Fireman.	Feb. 27, 1891	Assistant Foreman.	Dec. 4, 1897	Engine 30.
95. Walker, John.	30	Fireman.	May 12, 1892	Assistant Foreman.	Dec. 4, 1897	Engine 2.
96. Galloway, Edward T.	23	Fireman.	May 18, 1892	Assistant Foreman.	Dec. 4, 1897	Engine 33.
97. Shea, John F.	22	Private.	Nov. 22, 1883	Assistant Foreman.	Dec. 4, 1897	Engine 24.
98. Hanbury, Patrick	29	Fireman.	June 7, 1886	Assistant Foreman.	Dec. 4, 1897	Engine 10.
99. Kenlon, John	27	Fireman.	Apr. 2, 1887	Assistant Foreman.	May 10, 1886	Engine 6.
100. Worth, Edward J.	27	Fireman.	Dec. 30, 1888	Assistant Foreman.	Dec. 31, 1897	Hook and Ladder 10.
101. Hayes, Thomas J.	23	Fireman.	Feb. 16, 1891	Assistant Foreman.	Sept. 1, 1892	Engine 29.
102. Manley, John J.	26	Fireman.	May 12, 1892	Assistant Foreman.	Dec. 31, 1897	Engine 27.

r Dismissed, October 19, 1876.

s Resigned as Foreman and assigned as Fireman.

t Reduced to ranks, March 27, 1873.

Year of Entry into Uniformed Force of Officers and Members in Active Service on December 31.

APPOINTED IN	OFFICERS.	ENGINEERS.	FIREMEN.	TOTAL.
1865	25	5	17	47
1866	8	3	7	18
1867	1	1	1	3
1868	4	1	2	7
1869	5	2	9	16
1870	6	1	3	10
1871	10	1	3	14
1872	11	1	13	25
1873	16	4	17	37
1874	6	8	19	33
1875	6	3	15	24
1876	4	1	2	7
1877	5	5	1	11
1878	2	1	2	5
1879	3	5	5	13
1880	9	9	10	28
1881	13	2	22	37
1882	12	4	30	46
1883	12	6	36	54
1884	17	9	40	66
1885	7	1	15	23
1886	8	6	28	42
1887	5	8	18	31
1888	4	8	63	75

APPOINTED IN	OFFICERS.	ENGINEERS.	FIREMEN.	TOTAL.
1889	1	2	7	10
1890	6	8	47	61
1891	4	7	36	47
1892	3	11	46	60
1893	1	7	28	35
1894	2	7	79	88
1895	1	6	55	61
1896	1	2	98	100
1897	1	1	12	14
Total	215	140	785	1,140

Number and Character of Alarms and Manner of Receipt.

ALARMS.	MANNER OF RECEIPT.				
	From Department Street Alarm Boxes.	Special Department Telegraph Signals.	Verbally.	Automatic Telegraph.	Total.
Unnecessary	118	14	8	46	186
Indication of fire	193	3	37	1	234
Fires	2,697	13	1,320	15	4,045
Total	3,008	30	1,365	62	4,465

184 Alarms were communicated by Attachés of this Department.
221 " " " " Police
139 " " " " District key-holders.
4 " " " " Citizen
3,918 " " " " all other means.
4,466 " " " " all the various means.

Statistics of Fires.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
In buildings—													
Confined to point of starting.....	394	288	320	283	312	331	295	249	254	347	300	370	3,743
Confined to building	23	11	20	15	17	9	5	12	10	13	13	21	169
Extended to other buildings.....	1	2	3	3	4	6	2	1	3	9	1	6	41
In vessels.....	2	1	..	..	..	2	1	..	5	1	3	3	18
In other places (woods, etc.).....	3	6	3	2	4	12	1	3	13	11	14	3	75
Total.....	423	303	346	303	337	360	304	265	285	381	331	403	4,046
Extinguished—													
Without engine stream	293	206	230	208	241	274	232	191	190	253	234	258	2,810
With one engine stream.....	95	76	87	62	69	57	50	48	69	95	62	96	866
With two or three engine streams	28	22	22	24	23	21	17	21	20	25	32	39	294
With more than three engine streams.....	7	4	7	9	4	8	5	5	6	8	3	10	76
Total....	423	308	346	303	337	360	304	265	285	381	331	403	4,046

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Extent of damage to buildings and vessels—Built mainly of brick, stone or iron :													
Slight.....	32	21	15	43	51	82	55	58	26	40	52	63	537
Considerable.....	10	7	11	9	9	11	5	5	8	8	5	12	100
Destroyed.....	..	..	..	..	1	..	..	..	..	..	..	..	1
Built mainly of wood :													
Slight.....	..	1	..	2	..	..	2	1	2	6	1	2	17
Considerable.....	2	3	..	2	..	1	..	1	4	3	2	2	20
Destroyed.....	1	..	..	..	2	2	..	1	..	3	1	..	10
Total.....	45	32	26	56	63	96	62	66	40	60	61	79	665
Fires—													
Between 6 A. M. and 6 P. M.	238	161	172	148	153	196	156	127	137	192	182	230	2,092
Between 6 P. M. and 6 A. M.	185	147	174	155	184	164	143	138	148	189	149	173	1,954
Total each month.....	423	308	346	303	337	360	304	265	285	381	331	403	4,046

Water consumption—34,383,798 gallons, of which 8,407,060 gallons was river water.

Origin and Cause of Fires for the Year.

ORIGIN.		CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS														Aggregate Loss to Structures and Contents.	
		Accidental.	Carelessness.	Defective Buildings and Construction.	Mischiefousness.	Maliciousness.	Incendiarism.	Not Ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Piers, Docks, Ferry Houses, etc.	Vessels.	Miscellaneous.		Total.
In Heating.																								
Beams built into chimneys and fireplaces.....	Fires..	..	..	3	..	..	..	3	2	..	1	..	..	..	..	..	..	..	..	..	..	3	..	
	Loss..	..	..	\$180	..	..	..	\$180	\$5	..	\$175	..	..	..	..	..	..	..	..	..	..	..	\$180	
Chimneys, fireplaces, flues, grates, etc., heat from and defective.....	Fires..	13	16	63	..	..	..	92	71	3	9	4	4	..	..	..	..	..	..	..	1	92	..	
	Loss..	\$3,029	\$775	\$22,591	..	..	..	\$26,398	\$23,516	\$175	\$1,547	\$735	\$425	..	..	..	..	..	..	..	..	..	\$26,398	
Foul chimneys.....	Fires..	..	265	..	..	..	..	265	247	4	4	1	8	..	1	..	..	..	..	..	..	265	..	
	Loss..	..	\$25	..	..	..	..	\$25	\$25	..	..	..	..	..	..	..	..	..	..	..	..	..	\$25	
Gas stoves.....	Fires..	..	2	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	1	2	..	
	Loss..	..	\$53	..	..	..	..	\$53	\$50	..	..	..	..	..	..	..	..	..	..	..	\$3	..	\$50	
Kerosene oil used in lighting fires.....	Fires..	..	4	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	
	Loss..	..	\$158	..	..	..	..	\$158	\$158	..	..	..	..	..	..	..	..	..	..	..	..	..	\$158	
Soot in flues, fireplaces, etc...	Fires..	..	19	..	..	..	..	19	17	..	..	..	1	..	..	..	1	..	..	..	..	19	..	
	Loss..	..	\$354	..	..	..	..	\$354	\$214	..	..	..	\$125	..	..	..	\$15	..	..	..	..	..	\$354	
Sparks from stoves, chimneys, stove-pipes, etc., igniting woodwork, clothing, etc...	Fires..	63	35	..	..	..	..	98	72	7	15	1	2	..	1	..	..	..	..	..	..	98	..	
	Loss..	\$13,716	\$10,336	..	..	..	..	\$24,052	\$10,005	\$1,670	\$9,340	\$2	\$15	..	\$20	..	..	..	..	..	..	..	\$24,052	
Steam-pipes, igniting floor-beams, woodwork, etc.....	Fires..	5	1	..	..	..	..	6	2	2	1	1	..	..	..	..	..	..	..	..	..	6	..	
	Loss..	\$3,517	\$50	..	..	..	..	\$3,567	\$3,510	\$55	\$2	..	..	..	..	..	..	..	..	..	..	..	\$3,567	
Stoves, boilers, furnaces, etc., igniting bedding, clothing and woodwork, etc.....	Fires..	76	100	..	..	..	..	176	136	12	9	4	6	..	..	..	2	..	..	2	5	176	..	
	Loss..	\$15,133	\$10,257	..	..	..	..	\$25,390	\$10,879	\$3,362	\$1,240	\$135	\$2,450	..	..	..	\$7,125	..	..	\$50	\$139	..	\$25,390	
Stoves, boilers, furnaces, etc., hot coals falling from.....	Fires..	24	6	..	..	..	..	30	22	4	4	..	..	..	..	..	..	..	..	..	30	..		
	Loss..	\$37,757	\$660	..	..	..	..	\$38,417	\$38,667	\$155	\$195	..	..	..	..	..	..	..	..	..	..	..	\$38,417	
Total.....	Fires..	183	451	66	..	..	..	700	575	32	46	11	22	..	2	..	3	..	..	2	7	700	..	
	Loss..	\$74,792	\$22,678	\$22,774	..	..	..	\$120,244	\$86,434	\$8,417	\$14,029	\$872	\$3,140	..	\$20	..	\$7,140	..	..	\$50	\$142	..	\$120,244	
In Illuminating.																								
Calcium lights.....	Fires..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	
	Loss..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Candles and tapers.....	Fires..	18	192	..	..	..	..	210	183	15	3	1	..	..	1	..	6	..	1	..	..	210	..	
	Loss..	\$627	\$30,795	..	..	..	..	\$31,332	\$9,962	\$15,031	\$34	..	..	..	\$5	..	\$35	..	\$6,265	..	..	..	\$31,332	
Electric lights, sparks from...	Fires..	72	1	..	..	..	..	73	26	18	2	2	2	..	..	6	..	..	..	..	17	73	..	
	Loss..	\$91,335	..	..	..	..	..	\$91,335	\$7,175	\$83,240	\$5	\$320	\$5	..	..	\$80	..	..	..	..	\$10	..	\$91,335	
Gas, explosion of, and escaping	Fires..	21	66	..	..	..	..	90	65	9	4	1	2	..	3	..	1	..	..	..	5	90	..	
	Loss..	\$1,365	\$3,300	..	..	..	..	\$4,665	\$1,975	\$2,200	\$140	..	\$15	..	\$200	..	\$25	..	..	..	\$110	..	\$4,665	
Gaslights, igniting merchandise in stores, show windows, woodwork, etc.....	Fires..	9	178	..	..	..	..	187	168	9	2	1	1	..	2	..	1	..	..	..	2	187	..	
	Loss..	\$2,025	\$20,250	..	..	..	..	\$22,275	\$21,206	\$452	\$510	\$50	\$5	..	..	\$7	\$30	..	..	..	\$15	..	\$22,275	
Lamps, kerosene oil and gasoline exploded.....	Fires..	81	5	..	..	..	..	86	80	..	4	..	..	..	1	..	..	..	..	1	..	86	..	
	Loss..	\$2,613	\$88	..	..	..	..	\$8,701	\$7,849	..	\$467	..	..	..	\$330	..	..	..	..	\$35	..	..	\$8,701	
Lamps, kerosene oil and gasoline, falling, breaking, upsetting, etc.....	Fires..	163	74	..	..	..	..	237	216	5	8	1	1	..	2	..	..	..	..	..	4	237	..	
	Loss..	\$38,693	\$221,576	..	..	..	..	\$260,269	\$16,125	\$241,230	\$390	\$5	..	..	\$752	..	..	..	..	..	\$1,717	..	\$260,269	
Lamps, alcohol, upsetting....	Fires..	1	1	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	
	Loss..	..	\$15	..	..	..	..	\$15	\$15	..	..	..	..	..	..	..	..	..	..	..	..	..	\$15	
Matches, igniting straw, clothing, woodwork, bedding, etc.....	Fires..	12	266	..	2	..	..	280	262	8	4	1	1	..	..	1	..	..	..	..	3	280	..	
	Loss..	\$231	\$40,100	..	..	..	..	\$40,931	\$35,444	\$4,517	\$795	\$45	\$50	..	..	\$20	..	..	..	..	\$60	..	\$40,931	
Total in illuminating....	Fires..	381	781	..	2	..	..	1,166	1,002	64	27	5	6	2	9	9	8	..	1	1	31	1,166	..	
	Loss..	\$143,489	\$316,034	..	..	..	..	\$459,523	\$99,751	\$340,720	\$2,341	\$920	\$70	\$5	\$1,307	\$107	\$90	..	\$6,265	\$35	\$1,912	..	\$459,523	
In Manufacturing and Other Business.																								
Alcohol, tar, pitch, gum, varnish, etc., igniting on stoves and over gas-lights.	Fires..	37	6	..	..	..	..	43	12	9	6	..	6	..	..	..	..	..	..	..	10	43	..	
	Loss..	\$15,333	\$1,705	..	..	..	..	\$17,038	\$6,506	\$1,170	\$9,041	..	\$301	..	..	..	..	..	..	..	\$20	..	\$17,038	
Defective flues, heat from and igniting woodwork.....	Fires..	..	1	1	..	..	..	2	..	..	1	..	1	..	..	..	..	..	..	..	2	..	..	
	Loss..	..	\$250	\$10	..	..	..	\$260	..	..	\$10	..	\$250	..	..	..	..	..	..	..	..	..	\$260	
Electricity, applied to machinery.....	Fires..	2	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	
	Loss..	\$100	..	..	..	..	..	\$100	..	..	..	..	..	..	..	..	..	..	..	..	\$100	..	\$100	
Friction of machinery.....	Fires..	8	..	..	..	..	..	8	1	..	7	..	..	..	..	..	..	..	..	..	..	8	..	
	Loss..	\$1,875	..	..	..	..	..	\$1,875	\$5	..	\$1,870	..	..	..	..	..	..	..	..	..	..	..	\$1,875	
Fat taking fire.....	Fires..	3	..	..	..	..	..	3	..	..	1	..	2	..	..	..	..	..	..	..	3	..	..	
	Loss..	\$185	..	..	..	..	..	\$185	..	..	\$60	..	\$125	..	..	..	..	..	..	..	..	..	\$185	
Gas stoves.....	Fires..	..	3	..	..	..	..	3	1	1	1	..	..	..	..	..	..	..	..	..	3	..	..	
	Loss..	..	\$30	..	..	..	..	\$30	\$20	..	\$10	..	..	..	..	..	..	..	..	..	..	..	\$30	
Gasoline lamps and stoves....	Fires..	..	2	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	
	Loss..	..	\$15	..	..	..	..	\$15	\$15	..	..	..	..	..	..	..	..	..	..	..	..	..	\$15	
Hot metals igniting woodwork merchandise, etc.....	Fires..	..	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	
	Loss..	..	\$30	..	..	..	..	\$30	\$30	..	..	..	..	..	..	..	..	..	..	..	..	..	\$30	

ORIGIN		CAUSE							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS													Aggregate Loss to Structures and Contents.		
		Accidental.	Carelessness.	Defective Buildings and Construction.	Mischiefousness.	Maliciousness.	Incendiarism.	Not Ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Piers, Docks, Ferry Houses, etc.	Vessels.		Miscellaneous.	Total.
Inflammable material, igniting of.....	Fires..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	1	..	15
Loss..	Loss..	..	\$15	..	..	..	..	..	\$15	..	..	..	..	..	..	..	\$15	..	..	..	..	..	..	..
Kerosene and gasoline stoves exploded.....	Fires..	2	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	2	..	5
Loss..	Loss..	\$5	..	..	..	..	..	..	\$5	\$5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lime, slacking of.....	Fires..	6	..	..	..	..	..	..	6	3	..	1	..	..	..	..	..	..	..	..	2	6	..	19
Loss..	Loss..	\$19	..	..	..	..	..	..	\$19	\$12	..	\$2	..	..	..	..	..	..	..	..	\$5	..	..	..
Naphtha and benzine, vapor igniting.....	Fires..	9	7	..	..	..	..	..	16	3	1	11	..	..	..	..	..	..	..	..	..	16	..	11,232
Loss..	Loss..	\$1,617	\$9,615	..	..	..	..	..	\$11,232	\$3,312	..	\$7,320	..	..	..	..	..	\$100	..	..	..	..	..	..
Sulphur and phosphorus igniting.....	Fires..	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..
Loss..	Loss..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Soot in chimneys and fire-places.....	Fires..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..
Loss..	Loss..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparks from locomotives, chimneys, engines, furnaces, etc.....	Fires..	71	7	..	..	..	..	..	78	29	9	21	2	1	..	1	..	1	..	3	10	78	..	85,753
Loss..	Loss..	\$83,763	\$1,990	..	..	..	..	..	\$85,753	\$1,376	\$700	\$79,087	\$50	\$15	..	\$500	..	..	\$3,700	..	\$25	\$300	..	..
Steam pipes igniting merchandise.....	Fires..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	25
Loss..	Loss..	..	\$25	..	..	..	..	..	\$25	..	..	\$25	..	..	..	..	..	..	..	..	..	..	..	..
Spontaneous combustion of oily rags, etc.....	Fires..	10	15	..	..	..	..	..	25	..	4	20	1	..	..	..	..	..	..	..	..	25	..	14,989
Loss..	Loss..	\$11,939	\$3,050	..	..	..	..	..	\$14,989	..	\$95	\$14,894	..	..	..	..	..	..	..	..	..	..	..	..
Stoves, boilers, furnaces, ovens, etc., igniting merchandise, shavings, etc.....	Fires..	12	15	..	..	..	..	..	27	7	3	12	..	2	..	1	..	..	..	1	1	27	..	18,697
Loss..	Loss..	\$16,312	\$2,385	..	..	..	..	..	\$18,697	\$750	\$1,510	\$7,285	..	\$2,000	..	\$50	..	..	..	..	\$7,100	\$2	..	..
Stoves, hot coals falling from.....	Fires..	10	6	..	..	..	..	..	16	5	..	9	..	1	..	..	..	..	..	1	..	16	..	27,702
Loss..	Loss..	\$7,352	\$20,350	..	..	..	..	..	\$27,702	\$1,125	..	\$4,575	..	2	..	..	..	..	..	..	..	..	..	..
Vitriol, acids, spirits, etc., carboys of, breaking or vapor igniting.....	Fires..	2	..	..	1	..	..	..	3	..	..	3	..	..	..	..	..	..	..	..	..	3	..	55
Loss..	Loss..	\$20	..	..	\$35	..	..	..	\$55	..	..	\$55	..	..	..	..	..	..	..	..	..	..	..	..
Total.....	Fires..	168	72	1	1	..	..	..	242	64	28	93	3	13	..	2	1	2	1	..	5	25	242	..
Loss..	Loss..	\$139,940	\$41,040	\$10	\$35	..	..	..	\$178,025	\$32,126	\$3,505	\$124,734	\$50	\$2,693	..	\$550	..	\$115	\$3,700	..	\$10,125	\$427	..	\$178,025
Miscellaneous.																								
Alcohol lamp and stove upsetting.....	Fires..	1	1	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Loss..	Loss..	\$45	\$10	..	..	..	..	..	\$55	\$55	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benzine, naphtha, etc., vapor igniting.....	Fires..	1	30	..	..	..	..	..	31	27	3	1	..	..	..	..	..	..	..	..	..	31	..	6,956
Loss..	Loss..	..	\$6,956	..	..	..	..	..	\$6,956	\$2,101	\$4,855	..	..	..	..	..	..	..	..	..	..	..	..	..
Bonfires, sparks from.....	Fires..	..	..	..	50	..	..	..	50	4	1	1	..	..	3	..	..	..	..	..	41	50	..	3,667
Loss..	Loss..	..	..	..	\$3,667	..	..	..	\$3,667	\$122	\$25	\$500	..	..	\$225	..	..	..	..	..	\$2,495	..	..	..
Children playing with fire.....	Fires..	..	..	..	32	..	..	..	32	26	1	2	..	..	..	..	..	..	..	..	3	32	..	4,547
Loss..	Loss..	..	..	..	\$4,547	..	..	..	\$4,547	\$3,677	\$750	\$100	..	..	..	..	..	..	..	..	\$20	..	..	..
Cigars, pipes, etc., smoking of.....	Fires..	..	317	..	..	..	..	..	317	202	35	33	7	4	1	11	2	1	2	1	17	317	..	71,025
Loss..	Loss..	..	\$71,025	..	..	..	..	..	\$71,025	\$11,192	\$35,714	\$9,998	\$527	\$60	\$25	\$8,942	\$15	\$25	\$4,010	..	\$10	\$507	..	..
Chemicals.....	Fires..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	75
Loss..	Loss..	\$75	..	..	..	..	..	..	\$75	\$75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fat, glue, varnish, etc., taking fire on stoves.....	Fires..	25	16	..	..	..	..	..	41	39	..	..	..	..	..	..	..	..	..	..	..	41	..	1,720
Loss..	Loss..	\$178	\$1,542	..	..	..	..	..	\$1,720	\$995	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Firecrackers and fireworks, etc.....	Fires..	..	71	..	3	..	..	..	74	54	10	5	..	..	1	2	..	..	..	..	2	74	..	2,004
Loss..	Loss..	..	\$1,983	..	\$21	..	..	..	\$2,004	\$1,482	\$358	\$54	..	..	\$100	..	..	..	..	..	..	..	..	..
Fumigating with sulphur.....	Fires..	3	2	..	..	..	..	..	5	5	..	..	..	..	..	..	..	..	..	..	..	5	..	1,145
Loss..	Loss..	\$95	\$1,145	..	..	..	..	..	\$1,145	\$1,145	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gas stoves, exploding, upsetting, falling, etc.....	Fires..	3	24	..	..	..	..	..	27	23	1	3	..	..	..	..	..	..	..	..	..	27	..	5,164
Loss..	Loss..	\$220	\$4,044	..	..	..	..	..	\$5,164	\$2,362	\$5	\$2,797	..	..	..	..	..	..	..	..	..	..	..	



NOTE.—The true positions of Bedloe's and Ellis Islands are considerably south and west of locations given them for convenience on this map. The number of buildings on all of the islands is 1,246, and the number of fires was 12. Loss, \$304,373.

NOTABLE FIRES.

January 26, 1897—Nos. 27 and 29 Pearl street, six-story brick building, 50 x 100, occupied by manufacturers of burl. The fire originated in the cellar, proving very difficult to handle, because of the large amount of inflammable material in the building. The fire soon ascended through the open hatches and stairways and extended throughout the building, causing considerable damage to both building and stock. Three alarms were sent out and responded to by eleven engine companies, five hook and ladder companies and one water-tower, all of which were on duty at the fire, several of the engine companies using more than one line. The water-tower did very effective service on the front of the building. The first alarm was received at 7.49 A. M. There was some delay in sending out the subsequent alarms caused by a broken telegraph box key. The intense cold somewhat impeded the operations of the men and apparatus. The duration of the fire was ten hours and a half. After the fire had been subdued and some of the men were on the different floors overhauling the debris a part of the top floor suddenly fell in, carrying all the other floors with it to the first floor. There were many narrow escapes, but fortunately all the men reached the fire-escapes on the front of the building without injury. Cause of fire not ascertained. Estimated loss, \$53,000.

April 23, 1897—Nos. 636 to 646 First avenue, four-story brick building, 125 x 50, occupied as marble works. The fire originated on the third floor and extended to fourth floor and roof by stairway, considerably damaging the building, and burned through the roof of an L extension. The services of eleven engine and four hook and ladder companies were required, and the fire was under control in about one hour and fifty minutes. The first alarm was received at 11.26½ P. M., and at 11.30 and 11.39 P. M., respectively, second and third alarms were sent out. Cause of fire, spark from forge. Loss, \$74,650.

May 6, 1897—No. 163 Chambers street, a five-story brick and granite building, 25 x 70. The first floor and basement were occupied as paper warehouse, and second, third, fourth and fifth floors as cold storage. The fire originated in the basement and extended through all the floors, destroying the building; it also extended to No. 161 Chambers street, a five-story brick building, 25 x 75, occupied also as cold storage, considerably damaging it. The services of twelve engine and six hook and ladder companies were required, and the fire was under control in about eight hours. The first alarm was received at 8.18 P. M., and at 8.54 and 9.05 P. M., respectively, second and third alarms were sent out from Station 73, and a special call for another hook and ladder company at 11.58 P. M. A large number of officers and firemen were overcome by smoke and gas while in the discharge of their duties. Fireman John G. Reinhardt, of Engine 7, while in the cellar, was so overcome by heat, smoke and gas as to cause his death before reaching the hospital, to which he was being conveyed. In their attempts to rescue their comrade several officers and firemen narrowly escaped a similar fate. Because of the total destruction of the premises it is impossible to assign even a probable cause for this fire. Loss, \$114,685.

June 15, 1897—Ellis Island, New York Bay. Fire originated on the first floor of a two-story frame building, 490 x 150, occupied by the United States Government as an Emigrant Depot; extended throughout the entire building, completely destroying it, and then further extended to two one-story frame buildings, 20 x 80 feet, occupied for storage of baggage, which were destroyed; to the Hospital Building, considerably damaging the same; to the surgeon's residence, a frame and stone structure, doing slight damage; to the dock and piers of the Island, considerably damaging all of them, and finally to a stone and frame building, occupied as an engine-room and containing electric-light plant, with considerable damage. The fire was discovered by the watchman on board the fire-boat "The New Yorker," lying at her berth at the Battery, who saw the light caused by the fire. The boat immediately proceeded to the Island and was in service five hours and ten minutes, using several lines of hose. At 1.45 A. M. the fire-boat "William Havemeyer" proceeded to the fire, and remained in service two hours and fifteen minutes, using several lines of hose on the fire. Cause of fire not ascertained. Loss, \$271,500.

June 23, 1897—Nos. 429 to 433 Greenwich street, a seven-story brick building, 75 x 125, occupied by lamp manufacturers and others. The fire originated on the third floor and extended to the first, fourth, fifth, sixth and seventh floors, considerably damaging the building. The services of twenty-five engine and six hook and ladder companies and one water-tower were required, and the fire was under control in about six hours and a half. At 1.33½, 1.45, 1.45½, 1.54½ and 2.38½ P. M., respectively, first, second, third, fourth and fifth alarms were sent out. Another hook and ladder company was called at 9.33 A. M. on the following day and worked for three hours. Cause of fire not ascertained, but believed to have been caused by spark from the elevated railroad. Loss, \$141,875.

July 4—Nos. 2733, 2735 and 2737 Third avenue, a two-story brick building, 50 x 110, occupied as a dry-goods store. The fire originated on the second floor and extended to the first floor and cellar, considerably damaging the building. It also extended to No. 581 East One Hundred and Forty-fifth street, a two-story frame building, 20 x 35, occupied as a dwelling, slightly damaging it, and to Nos. 2729 and 2731 Third avenue, a two-story frame building, 25 x 100, occupied as a warehouse, with trifling damage thereto. The services of eight engine and four hook and ladder companies were required, and the fire was under control in about four hours. The first alarm was received at 11.49 A. M., and at 11.51½ A. M. and 11.54 A. M., respectively, second and third alarms were sent out. Estimated loss, \$87,000. Cause not ascertained.

September 5—No. 465 Washington street, a five-story brick building, 25 x 60, occupied as a storage warehouse. The fire originated on the fourth floor and extended to the fifth, through arches, considerably damaging the building. It also extended to No. 467 Washington street, a five-story brick building, 25 x 60, a storage warehouse, doing considerable damage to that building. The services of nine engine companies, three hook and ladder companies and a water-tower were required, and the fire was extinguished in eleven hours and thirty minutes.

The first alarm was received at 7.22 A. M., at 8.01 A. M. a special call for a water-tower, and at 8.02 A. M. the second alarm was sent out. On the arrival of the force the fire had control of the fourth and fifth floors of the building. There were iron shutters on the front windows and the stairway was narrow and inclosed, which made it difficult to get lines in position inside of the building. The trapdoors on elevator well-holes at fourth floor were found open on entering building. While working at the fire Assistant Foreman Devaney of Engine 30, commanding Engine 24, was struck by a falling elevator, receiving four slight scalp wounds and several burns on hands and body and the fracture of a rib, and Fireman Eckes of Engine 27 was seriously injured by elevator supports falling on him. Both were removed to the Hudson Street Hospital. Members of Engine 30 rescued Fireman Eckes from beneath the elevator on the second floor of No. 465 and carried him to the street. He was unconscious when found. Estimated loss, \$209,700. Cause not ascertained.

October 17—Nos. 306 to 310 Hudson street, a seven-story brick building, 75 x 175, used as a dynamo room by Trinity Church Corporation. Fire originated in the cellar, extended throughout the building, considerably damaging it; also extended to No. 277 Spring street, a two-and-a-half-story frame building, 25 x 50, occupied as dwelling, slightly damaging the building; also extended to No. 290 Spring street, a five-story brick building, 25 x 90, used as a hotel. The services of twenty-four engine and six hook and ladder companies, two water-towers and one fire-boat were required, and the fire was under control in about nine and one-half hours. The fire alarm was received at 2.28 P. M., and at 2.35, 2.45½, 3.00 and 4.28 P. M., respectively, second, third, fourth and fifth alarms were sent out. Special calls were sent for Water-towers 1 and 2 at 2.50 and 3.20 P. M., respectively, and Engines 14 and 15 at 4.02 P. M. Much difficulty was encountered in opening iron shutters on building. Cause of fire, careless handling of kerosene oil lamp. Estimated loss, \$218,000.

October 20—No. 3 Platt street, a four-story brick building, 25 x 60, occupied by an importer of oils and drugs. Fire originated on the second floor and extended to third and fourth floors, considerably damaging the building; also extended to No. 5 Platt street, a four-story brick building, 25 x 75, occupied by dealers in glassware, with trifling damage to building. The services of nine engine and three hook and ladder companies were required, and the fire was under control in one hour and forty-five minutes. The first alarm was received at 11.41 A. M., and at 11.45 A. M. a third alarm was sent out, second alarm being omitted. Cause of fire not ascertained. Estimated loss, \$66,000.

November 13—No. 394 Broadway, a six-story marble-front building, 25 x 100, occupied by manufacturers of shirts. Fire originated on the third floor, and extended to the fourth, fifth and sixth floors, through elevator shaft, slightly damaging the building. The services of ten engine and four hook and ladder companies were required, and the fire was under control in about one hour and forty minutes. The first alarm was received at 4.49 A. M., and at 5.01 and 5.12 A. M., respectively, second and third alarms were sent out. Cause of fire, electric wires (defective insulation). Estimated loss, \$73,000.

December 5—No. 148 Duane street, a five-story brick and stone building, 25 x 75, occupied by a manufacturer of atomizers, etc. Fire originated on the second floor and extended to the third, fourth and fifth floors, considerably damaging the building. The services of twelve engine and four hook and ladder companies and one water-tower were required, and the fire was under control in about three and one-quarter hours. The first alarm was received at 8.15 P. M., and at 8.26 and 8.35½ P. M., respectively, second and third alarms were sent out. Cause of fire not ascertained. Estimated loss, \$56,000.

December 28—No. 72 Duane street, a five-story brick building, 25 x 75, occupied by manufacturers of safes. Fire originated in sub-cellar and extended to all floors, considerably damaging the building; also to No. 74 Duane street, slightly damaging that building. The services of twelve engine and four hook and ladder companies were required, and the fire was under control

in about four hours. The first alarm was received at 12.29 A. M., and at 12.44½ and 12.45½ A. M., respectively, second and third alarms were sent out. Cause of fire not ascertained. Estimated loss, \$50,000.

PRESENTATION OF MEDALS.

The ceremonies attending the presentation of medals occurred at the Plaza, Union Square, on Wednesday, May 26, at 2 o'clock P. M.

His Honor the Mayor made the presentations as follows:

The Bennett medal for 1896 to Fireman 1st grade Martin M. Coleman, of Hook and Ladder 3, for rescue described as follows in the report for that year:

Firemen Martin M. Coleman, John S. Mulster and Manuel Garcia, of Hook and Ladder 3, at fire No. 77 East Tenth street, February 22, rescued J. C. Walsh, Mrs. King, and Mr. and Mrs. F. L. Lewis under the following circumstances: The fire originated in the rear of hall on the first floor and communicated by the halls to the third-floor front room, the door of which had been left open. Means of egress were cut off from the occupants of upper floors. One man and two women were hanging out of the middle window of the fourth floor and one man from the window of the hall bedroom on the third floor when the firemen arrived. Two ladders were raised, one of which Fireman Mulster ascended and rescued J. C. Walsh from the third-story window, while the flames were issuing from the window over their heads, and Walsh, who was an invalid, was partially overcome by the heat and smoke. At the same time Fireman Coleman had ascended the other ladder, followed by Fireman Garcia. Mrs. King at the fourth floor window, before she could be reached, either jumped or fell down the ladder, but was caught by Fireman Coleman, who was then about six feet from the top of the ladder. He passed her to Fireman Garcia, who conveyed her safely to the street. Fireman Coleman then ascended to the top of the ladder and assisted Mr. F. L. Lewis to the ladder, passing him to those below. Then by an extraordinary effort he lifted Mrs. F. L. Lewis, who was a heavy woman, to the ladder, which did not quite reach the window, and assisted by Fireman Garcia conveyed her safely to the street.

Commanding officer, Chief of Battalion Shaw (since killed at a fire), reported that these rescues were made at personal risk.

The Stephenson medal to Foreman Charles H. Perley, commanding Engine 6, who was adjudged the most deserving among the company commanders during the year 1896.

Two medals, given by Mayor Strong, were presented on his behalf by President Sheffield to Assistant Foreman Thomas Larkin, of Hook and Ladder 9, for heroism in saving life at a fire, No. 125 Stanton street, on February 3, 1896, and to Fireman 1st grade Charles Sheridan, of Hook and Ladder 6, for heroism in saving life at a fire, No. 77 Hester street, February 15, 1896.

ROLL OF MERIT—PERSONAL RISK.

DATE.	FIRE.	NAME.
Apr. 24, 1871	33 Bowery.....	Fireman Ambrose L. Austin. Awarded Bennett Medal January 31, 1873. Retired.
June 7, 1885	312 East Houston street.....	Assistant Foreman Thomas J. Ahearn.
June 7, 1885	49 Pitt street.....	Assistant Foreman Thomas J. Ahearn.
July 23, 1890	Twenty-first street and Avenue A.....	Foreman Thomas J. Ahearn. Awarded Bennett Medal November 2, 1891. Promoted Chief of Battalion.
Feb. 7, 1892	Hotel Royal.....	Fireman Patrick H. Aspell. Awarded Bennett Medal June 17, 1893. Retired.
June 24, 1874	78 Pearl street.....	Assistant Engineer Thomas Batterberry. Deceased.
Dec. 27, 1879	407 West Fiftieth street.....	Private Paul Bauer. Awarded Bennett Medal June 4, 1881.
Mar. 19, 1884	173 West street.....	Fireman John Banks. Deceased.
Apr. 7, 1884	St. George Flts.....	Private John Binns. Awarded Bennett Medal June 15, 1885. Promoted Assistant Foreman, Foreman and Chief of Battalion.
Apr. 7, 1884	St. George Flats.....	Private Thomas F. Barrett.
May 3, 1885	672 First avenue.....	Fireman Thomas F. Barrett. Since Promoted Assistant Foreman and Foreman.
Apr. 24, 1884	20 and 22 Pell street.....	Private Samuel Banta.
Sept. 22, 1887	84 Park place.....	Assistant Foreman Samuel Banta.
May 6, 1897	163 Chambers street.....	Assistant Foreman Samuel Banta. Awarded Bennett Medal April 27, 1889.
May 3, 1885	672 First avenue.....	Assistant Foreman Terrence P. Brennan.
May 3, 1885	672 First avenue.....	Fireman Cornelius F. Britt. Retired.
Dec. 22, 1886	232 West Thirty-third street.....	Fireman Michael Brady. Awarded Bennett Medal November 5, 1887. Retired.
Oct. 8, 1887	Drowning rescue.....	Engineer John Bulger.
June 13, 1888	34 Second avenue.....	Chief of Battalion John J. Bresnan. Killed at fire December, 1894.
June 13, 1888	34 Second avenue.....	Fireman Peter J. Bonner.
June 13, 1888	34 Second avenue.....	Foreman Daniel Bradley.
June 4, 1889	Drowning rescue.....	Fireman Patrick J. Brennan, No. 1.
June 4, 1889	2196 Third avenue.....	Assistant Foreman Coleman J. Burke. Promoted Foreman.
Aug. 17, 1890	29 Catharine street.....	Fireman Bernard C. Blair.
Dec. 29, 1893	83 Mott street.....	Fireman John J. Burns.
May 6, 1897	163 Chambers street.....	Foreman John J. Burns.
Jan. 15, 1895	409 East One Hundred and Twelfth street.....	Fireman William H. Behler. Awarded Bennett Medal November 14, 1896.
Oct. 12, 1896	340 West Fifty-ninth street.....	Assistant Foreman William T. Beggin.
May 6, 1897	163 Chambers street.....	Fireman George K. Burns.
July 19, 1873	Run-over rescue.....	Fireman Alfred Connor. Awarded Bennett Medal April 8, 1874. Retired.
Aug. 28, 1873	13 Forsyth street.....	Fireman William D. Clendenning. Deceased.
Apr. 10, 1879	190 Sixth avenue.....	Fireman Michael Connors. Deceased.
Sept. 20, 1879	402 West Fortieth street.....	Assistant Foreman William J. Colby.
Nov. 15, 1881	499 Canal street.....	Foreman William J. Colby.
Jan. 4, 1881	35 Madison street.....	Fireman Michael Commerford. Awarded Bennett Medal July 10, 1882. Promoted Assistant Foreman and Foreman. Retired.
Sept. 29, 1884	42 Baxter street.....	Private Joseph A. Cottrell.
Feb. 21, 1885	Beaver and William streets.....	Fireman Joseph A. Cottrell. Deceased.
Feb. 21, 1885	Beaver and William streets.....	Fireman John Clark.
May 3, 1885	672 First avenue.....	Fireman Philip Cahill.
Sept. 3, 1885	236 West Nineteenth street.....	Fireman Luke Clayton. Promoted Engineer.
Mar. 4, 1887	692 to 696 Eighth avenue.....	Fireman Patrick Conlin. Killed by being run over.
May 14, 1887	444 Washington street.....	Fireman Michael P. Crowley. Promoted Assistant Foreman.
Feb. 7, 1892	Hotel Royal.....	Fireman Charles S. Corson. Promoted Engineer.
Feb. 22, 1896	77 East Tenth street.....	Fireman Martin M. Coleman.

DATE.	FIRE.	NAME.	DATE.	FIRE.	NAME.
Dec. 11, 1896	105 East Fifteenth street.....	Fireman Martin M. Coleman. Awarded Bennett Medal May 26, 1897. Promoted Assistant Foreman.	Feb. 21, 1885	Beaver and William streets.....	Fireman Daniel Lyons.
Sept. 29, 1890	2165 Third avenue.....	Fireman Thomas J. D. Carrigan.	May 6, 1885	228 West 126th street.....	Assistant Foreman John H. Leonard. Promoted Foreman.
Feb. 13, 1897	133 Leroy street.....	Fireman James J. Crawford.	May 27, 1885	250 East Fortieth street.....	Fireman Edward J. Levy.
May 6, 1897	163 Chambers street.....	Assistant Foreman William Cunningham.	Apr. 18, 1886	89 Mulberry street.....	Fireman Thomas Larkin, No. 2.
Mar. 31, 1877	29 North William street.....	Fireman Thomas J. Dougherty. Awarded Bennett Medal December 31, 1879. Killed at fire.	Feb. 3, 1896	125 Stanton street.....	Assistant Foreman Thomas Larkin, No. 2. Awarded Strong Medal May 26, 1896. Promoted Foreman.
Aug. 28, 1877	188 Eldridge street.....	Fireman Dennis J. Doran. Killed at fire.	June 13, 1888	34 Second avenue.....	Fireman Edward J. Lacey. Out of the service.
Sept. 27, 1886	38 West Fortieth street.....	Fireman John D. Dalrymple.	Oct. 16, 1891	52 Dominick street.....	Fireman Patrick F. Lucas. Awarded Bennett Medal June 17, 1893. Promoted Assistant Foreman and Foreman.
May 3, 1885	672 First avenue.....	Fireman John D. Dalrymple.	June 24, 1874	78 Pearl street.....	Foreman William Mitchell. Awarded Bennett Medal October 7, 1875.
Mar. 4, 1887	692 to 696 Eighth avenue.....	Fireman John D. Dalrymple. Resigned.	Mar. 24, 1876	Drowning rescue.....	Fireman Dennis Murphy. Out of the service.
Feb. 22, 1896	77 East Tenth street.....	Fireman George Dunn.	Mar. 11, 1877	24 Ludlow street.....	Chief of Battalion John W. Miller.
Jan. 28, 1897	10 East Seventeenth street.....	Fireman Joseph F. De Size.	Jan. 15, 1880	54 Sheriff street.....	Chief of Battalion John W. Miller. Retired.
Nov. 6, 1897	Drowning rescue.....	Engineer Joseph P. Dowdall.	May 2, 1878	28 East Fourteenth street.....	Foreman Daniel J. Meagher. Awarded Bennett Medal December 31, 1879.
May 27, 1883	250 East Fortieth street.....	Foreman John J. Eagan.	Jan. 31, 1882	Potter Building.....	Assistant Foreman Henry Murray. Relieved.
May 6, 1897	163 Chambers street.....	Fireman Jacob Eckes.	Mar. 19, 1884	173 West street.....	Chief of Battalion Francis Meheidy. Killed going to a fire.
May 2, 1878	28 East Fourteenth street.....	Fireman John P. Flood. Deceased.	May 17, 1884	874 Second avenue.....	Fireman Patrick Mead. Deceased.
Jan. 15, 1880	54 Sheriff street.....	Private Hugh Fitzpatrick. Deceased.	Apr. 7, 1884	St. George Flats.....	Fireman Thomas J. Mooney.
Jan. 4, 1881	35 Madison street.....	Foreman William H. Fleming. Retired.	Feb. 23, 1897	337 East Fourteenth street.....	Fireman Robert C. Manning.
April 4, 1884	Drowning rescue.....	Private Thomas F. Freel.	May 3, 1885	672 First avenue.....	Fireman William J. Mulhare.
Sept. 4, 1885	Drowning rescue.....	Fireman Thomas F. Freel.	May 3, 1885	672 First avenue.....	Fireman Dennis Morrissey.
Sept. 1, 1889	Drowning rescue.....	Fireman Thomas F. Freel. Promoted Assistant Foreman and Foreman.	May 3, 1885	672 First avenue.....	Fireman James Monaghan.
July 13, 1884	233 Bleecker street.....	Private Charles Frost.	May 6, 1885	228 West One Hundred and Twenty-sixth street.....	Assistant Foreman Lawrence Murphy. Deceased.
Feb. 21, 1885	638 Greenwich street.....	Fireman Charles Frost. Promoted Engineer.	Sept. 3, 1885	236 West Nineteenth street.....	Fireman Simon G. Murray.
Sept. 29, 1884	42 Baxter street.....	Assistant Foreman William D. Fraser.	Aug. 19, 1886	Drowning rescue.....	Assistant Foreman Edward Meehan.
Dec. 14, 1884	70 Baxter street.....	Assistant Foreman William D. Fraser. Promoted Foreman. Retired.	Mar. 29, 1890	100 West Seventy-ninth street.....	Engineer William R. Massie. Retired.
Feb. 21, 1885	Beaver and William streets.....	Fireman John O. Furman.	Feb. 19, 1896	25 Minetta lane.....	Fireman Thomas Malavey.
May 3, 1885	672 First avenue.....	Assistant Foreman Thomas Farley. Promoted Foreman. Retired.	Feb. 22, 1896	77 East Tenth street.....	Fireman Oliver P. Morris. Out of the service.
May 12, 1885	82 Mulberry street.....	Fireman Gustave Fuhrman.	Feb. 22, 1896	77 East Tenth street.....	Fireman John S. Mulster.
June 7, 1885	49 Pitt street.....	Fireman Gustave Fuhrman. Resigned.	Dec. 11, 1896	105 East Fifteenth street.....	Fireman John S. Mulster.
Feb. 7, 1892	Hotel Royal.....	Fireman George J. Fox.	May 6, 1897	163 Chambers street.....	Fireman John T. Murphy.
June 2, 1897	824 Third avenue.....	Fireman Edward Ford.	May 6, 1897	163 Chambers street.....	Fireman Joseph J. Mooney.
Sept. 26, 1870	73 Montgomery street.....	Foreman Benjamin A. Gicquel. Promoted Chief of Battalion and Deputy Chief of Department.	July 29, 1897	Drowning rescue.....	Engineer Thomas Maguire.
Apr. 7, 1884	St. George Flats.....	Private Michael E. C. Graham.	Apr. 14, 1876	15 Thames street.....	Fireman Joseph McGowan. Awarded Bennett Medal December 31, 1879. Relieved.
May 3, 1885	672 First avenue.....	Fireman Michael E. C. Graham. Promoted Assistant Foreman and Foreman.	Jan. 15, 1880	54 Sheriff street.....	Private Bernard McAllister. Deceased.
May 3, 1885	672 First avenue.....	Fireman Daniel B. Guinan. Deceased.	May 28, 1882	519 East Fifteenth street.....	Foreman Michael McAvoy.
Jan. 23, 1888	305 Pearl street.....	Fireman Thomas R. Godfrey. Killed—run over by truck.	June 27, 1882	215 West Twenty-seventh street.....	Fireman Thomas McCarthy. Retired.
Apr. 24, 1888	158 East Twenty-eighth street.....	Fireman John J. Grady. Promoted Assistant Foreman and Foreman.	Mar. 22, 1884	63 East Twelfth street.....	Foreman Henry W. McAdams. Promoted Chief Instructor.
Feb. 22, 1896	77 East Tenth street.....	Fireman Manuel J. Garcia.	Dec. 14, 1884	70 Baxter street.....	Chief of Battalion Joseph F. McGill.
Feb. 15, 1872	23 Suffolk street.....	Assistant Foreman Thomas Henry. Awarded Bennett Medal January 31, 1873. Promoted Foreman. Retired.	June 13, 1888	34 Second avenue.....	Chief of Battalion Joseph F. McGill. Retired.
Dec. 29, 1872	63 Baxter street.....	Fireman Thomas Hutchinson. Awarded Bennett Medal January 31, 1873. Promoted Assistant Foreman and Foreman. Deceased.	May 3, 1885	672 First avenue.....	Fireman James H. McGowan.
Mar. 26, 1875	351 Rivington street.....	Assistant Foreman James Horn. Awarded Bennett Medal December 14, 1876. Retired.	May 3, 1885	672 First avenue.....	Fireman Patrick J. McMahon.
Jan. 31, 1882	Potter Building.....	Private John J. Horan. Out of the service.	June 5, 1885	Drowning rescue.....	Fireman Dixon McQueen.
Jan. 22, 1887	84 Park place.....	Fireman William Harrigan.	Sept. 3, 1885	Drowning rescue.....	Fireman Dixon McQueen.
June 13, 1888	34 Second avenue.....	Fireman Edward F. Hargrove.	Oct. 27, 1888	Drowning rescue.....	Fireman Dixon McQueen.
Mar. 29, 1890	100 West Seventy-ninth street.....	Fireman Richard Hyde.	June 13, 1888	34 Second avenue.....	Assistant Foreman James J. McCartney. Promoted Foreman.
Jan. 2, 1894	74 Pearl street.....	Fireman John P. Howe.	Feb. 7, 1892	Hotel Royal.....	Fireman Daniel McCoy.
Jan. 2, 1897	94 Lexington avenue.....	Fireman John P. Howe. Promoted Assistant Foreman.	Nov. 24, 1893	802 Ninth avenue.....	Fireman James McClevey. Promoted Engineer.
Sept. 23, 1895	Runaway.....	Fireman Henry Hauck. Promoted Assistant Foreman.	Mar. 1, 1896	466 Hudson street.....	Fireman Charles J. McCartie.
May 6, 1897	163 Chambers street.....	Fireman John F. Higgins. Promoted Assistant Foreman.	Dec. 30, 1872	224 Division street.....	Assistant Engineer William H. Nash. Awarded Bennett Medal June 30, 1873.
May 6, 1897	163 Chambers street.....	Fireman Louis Horak.	Aug. 28, 1873	13 Forsyth street.....	Chief of Battalion William H. Nash. Killed on duty, 1876.
May 3, 1885	672 First avenue.....	Fireman Norman L. Jeroloman. Promoted Assistant Foreman.	Jan. 31, 1882	Potter Building.....	Fireman James E. Nolan.
Apr. 26, 1887	303 and 305 Water street.....	Fireman Joseph P. Johnson.	Feb. 23, 1885	337 East Fourteenth street.....	Fireman James M. Nugent.
Jan. 23, 1888	305 Pearl street.....	Fireman Joseph P. Johnson.	Apr. 24, 1888	158 East Twenty-eighth street.....	Foreman James M. Nugent. Promoted Chief of Battalion.
Nov. 21, 1891	39 Baxter street.....	Assistant Foreman Walter H. Jones.	Nov. 23, 1886	232 West Thirty-third street.....	Fireman Joseph J. Nymphius.
Feb. 9, 1871	Division and Forsyth streets.....	Assistant Foreman Charles L. Kelley. Awarded Bennett Medal January 31, 1873. Promoted Foreman.	Mar. 4, 1887	692 to 696 Eighth avenue.....	Fireman Patrick O'Brien, No. 2.
Apr. 14, 1876	15 Thames street.....	Fireman Thomas Keenan. Retired. Deceased.	May 31, 1894	129 Suffolk street.....	Foreman Thomas O'Hearn.
Feb. 9, 1881	68 New Church street.....	Fireman Luke Kavanagh. Deceased.	May 6, 1897	163 Chambers street.....	Fireman John O'Connell.
Mar. 29, 1883	138 Eldridge street.....	Private William B. Kirchner. Awarded Bennett Medal June 12, 1884.	Dec. 11, 1897	Runaway accident.....	Fireman Martin H. O'Leary.
Feb. 21, 1885	Beaver and William streets.....	Fireman John F. King.	Jan. 27, 1888	477 West Fifty-seventh street.....	Fireman John J. Price.
Jan. 23, 1888	305 Pearl street.....	Fireman John F. King. Promoted Assistant Foreman.	Nov. 20, 1889	Drowning rescue.....	Engineer William Purdy.
May 3, 1885	672 First avenue.....	Fireman John J. Kennedy.	July 11, 1895	Drowning rescue.....	Fireman James J. Potter. Out of the service.
Apr. 25, 1888	54 West Twenty-eighth street.....	Engineer Thomas King, No. 1.	Jan. 2, 1897	94 Lexington avenue.....	Fireman James Pearl.
Feb. 7, 1892	Hotel Royal.....	Fireman Thomas Kelly, No. 2.	May 3, 1885	672 First avenue.....	Fireman William H. Quinn. Promoted Assistant Foreman and Foreman.
Feb. 7, 1892	Hotel Royal.....	Fireman John J. Kane. Retired.	Mar. 19, 1888	38 East Eighty-fifth street.....	Assistant Foreman William Quirk. Awarded Bennett Medal April 27, 1889. Promoted Foreman. Retired.
Feb. 19, 1896	25 Minetta lane.....	Engineer John Kenlon.	Jan. 31, 1882	Potter Building.....	Fireman John L. Rooney. Awarded Bennett Medal May 10, 1883. Promoted Assistant Foreman. Killed on duty at fire December, 1894.
Nov. 14, 1879	80 Cannon street.....	Private Patrick J. Lynch. Promoted Fireman and Engineer.	Aug. 4, 1884	170 Varick street.....	Private William Reilly.
Oct. 9, 1880	112 East Fifty-sixth street.....	Fireman John Levins. Awarded Bennett Medal June 4, 1881.	Feb. 21, 1885	638 Greenwich street.....	Fireman William Reilly.
Mar. 17, 1883	117 Greene street.....	Private William Lansar. Deceased.	Apr. 9, 1889	102 Barrow street.....	Fireman William Reilly. Awarded Bennett Medal November 2, 1891.
Feb. 21, 1885	Beaver and William streets.....	Fireman Samuel P. Lynch.	May 3, 1885	672 First avenue.....	Foreman Michael H. Roach.
			May 3, 1885	672 First avenue.....	Assistant Foreman Edward F. Ryan.
			May 6, 1885	228 West One Hundred and Twenty-sixth street.....	Chief of Battalion Francis J. Reilly. Promoted Deputy Chief of Department.

DATE.	FIRE.	NAME.	Strength of Uniformed Force, Number of Fires, with Losses, Population, Number of Buildings, etc., from 1866 to 1897.						
			YEAR.	No. of Companies.	No. of Officers and Men.	Number of Fires.	Loss by Fire.	Average Loss per Fire.	Population, Census Year.
Nov. 22, 1886	2149 Third avenue	Fireman Washington Ryer.	1866.....	54	*964	796	\$6,428,000 00	\$8,075 38	1769,553
Sept. 26, 1894	2278 Seventh avenue.....	Fireman Dennis Ryer. Awarded Bennett Medal May 22, 1895.	1867.....	54	*919	873	5,711,000 00	6,541 81	.....
Nov. 19, 1895	98 Clinton street.....	Fireman John Riefler.	1868.....	52	592	740	4,342,000 00	5,867 57	.....
Mar. 4, 1896	Winchester Flats.....	Fireman Howard C. Ruch.	1869.....	52	599	850	2,696,393 00	3,172 23	.....
Dec. 7, 1873	423 West Thirty-second street	Assistant Foreman Henry Schuck. Awarded Bennett Medal April 8, 1874.	1870.....	52	596	964	2,120,212 00	2,199 59	942,292
May 14, 1881	Runaway stopped.....	Private Abraham Storm.	1871.....	52	596	1,258	2,127,356 00	1,691 06	.....
July 27, 1889	One Hundred and Seventy-third street and Webster avenue.....	Fireman Abraham Storm.	1872.....	52	596	1,649	2,891,818 00	1,753 67	.....
Jan. 31, 1882	Potter Building.....	Fireman John Schwab. Relieved.	1873.....	54	651	1,470	4,022,640 00	2,736 48	.....
Feb. 21, 1885	Beaver and William streets.....	Fireman Peter H. Short. Awarded Bennett Medal September 20, 1886.	1874.....	64	8712	1,355	1,430,306 00	1,055 58	.....
Apr. 18, 1886	89 Mulberry street.....	Foreman Peter H. Short.	1875.....	67	748	1,418	2,472,536 00	1,742 67	1,041,286
Jan. 23, 1888	305 Pearl street.....	Foreman Peter H. Short. Promoted Chief of Battalion.	1876.....	68	747	1,382	3,851,213 00	2,786 70	734
May 3, 1885	672 First avenue	Foreman Charles H. Shay.	1877.....	65	752	1,450	3,210,695 00	2,214 27	184,201
Oct. 8, 1891	101 Fifth avenue.....	Fireman John Sullivan. Deceased.	1878.....	65	727	1,654	1,884,505 00	1,139 36	59
Dec. 29, 1893	83 Mott street	Fireman Charles Sheridan.	1879.....	64	729	1,551	5,671,589 00	3,656 72	.....
Feb. 15, 1896	77 Hester street	Fireman Charles Sheridan.	1880.....	65	748	1,783	3,183,440 00	1,785 44	.....
May 6, 1897	163 Chambers street.....	Fireman Charles Sheridan. Promoted Assistant Foreman.	1881.....	66	769	1,785	5,820,259 00	3,260 55	1,206,299
Aug. 1, 1894	Drowning rescue	Stoker John J. Sullivan.	1882.....	67	826	2,001	4,195,960 00	2,996 43	676
Oct. 29, 1896	70 West One Hundred and First street.....	Fireman William J. Schuster.	1883.....	63	895	2,169	3,512,848 00	1,619 37	1,002,624
May 9, 1897	Drowning rescue.....	Stoker Dennis Sheehan.	1884.....	70	919	2,406	3,474,547 00	1,444 12	1,001,735
Nov. 14, 1868	478 and 480 Broadway.....	Assistant Foreman Minthorne D. Tompkins. Awarded Bennett Medal December 27, 1870. Relieved as Foreman.	1885.....	71	927	2,479	3,789,283 00	1,528 55	1,004,250
Apr. 18, 1886	89 Mulberry street.....	Fireman Walter H. Tompkins.	1886.....	71	951	2,415	3,340,810 00	1,383 35	42
Dec. 29, 1893	83 Mott street	Fireman James J. Tiernan. Promoted Engineer.	1887.....	74	960	2,929	5,585,425 00	1,917 28	.....
May 3, 1885	672 First avenue.....	Fireman Michael Uniack.	1888.....	74	1,040	3,217	5,485,922 00	1,705 29	**112,002
May 3, 1885	672 First avenue	Foreman John Welsh. Promoted Chief of Battalion.	1889.....	76	1,039	2,836	4,142,777 00	1,460 78	**114,500
May 3, 1885	672 First avenue	Fireman Samuel Wood. Retired.	1890.....	77	1,041	3,479	4,168,165 00	1,198 09	111,515,301
Jan. 17, 1887	100 West Fiftieth street.....	Fireman David Webb.	1891.....	79	1,072	3,938	6,959,650 00	1,767 31	88115,379
Nov. 23, 1889	714 Lexington avenue.....	Fireman David Webb. Resigned.	1892.....	79	1,032	4,011	5,060,973 00	1,261 80	88115,379
June 13, 1888	34 Second avenue	Fireman Robert Wallace.	1893.....	80	1,058	4,151	5,992,583 00	1,202 74	88115,379
Dec. 27, 1893	220 Cherry street	Fireman John Walker.	1894.....	81	1,059	3,981	4,208,553 00	1,058 87	88115,379
Dec. 29, 1893	83 Mott street.....	Fireman John Walker. Awarded Bennett Medal May 20, 1895. Promoted Assistant Foreman.	1895.....	82	1,113	3,963	3,519,801 00	888 16	88115,379
Mar. 4, 1896	Winchester Flats	Fireman William H. Weise.	1896.....	86	1,173	3,890	3,418,591 00	878 81	88115,379
Oct. 20, 1896	Drowning rescue	Engineer John F. Walsh.	1897.....	86	1,140	4,046	3,396,892 00	839 57	1133,434
Aug. 19, 1897	Drowning rescue	Engineer John F. Walsh.	Total, 32 years.....	.....	.....	72,921	\$128,113,723 00	\$1,755 51	.....
May 6, 1897	163 Chambers street.....	Fireman Robert Walker.							

* Including about 400 volunteer firemen. ** As estimated by the Bureau of Inspection of Buildings.
† Estimate based on census of 1865. †† United States census. An enumeration made under
‡ Estimate based on report of Department of Buildings. direction of the Mayor shows the population to
§ Annexation of territory north and east of Harlem river. be 1,715,721.
|| As per enumeration. §§ As per enumeration made in 1890, sheds, etc., included.

Losses and Insurance.

1897.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	YEAR.
Estimated Loss, Insured and Uninsured—													
On buildings and vessels.....	\$93,867 00	\$44,771 00	\$89,061 00	\$61,575 00	\$54,224 00	\$316,277 00	\$52,109 00	\$68,738 00	\$74,472 00	\$147,871 00	\$26,419 00	\$76,270 00	\$1,105,654 00
On contents.....	132,424 00	120,099 00	104,958 00	126,289 00	295,929 00	216,281 00	122,009 00	110,886 00	283,393 00	296,253 00	165,944 00	316,773 00	2,291,238 00
Total.....	\$226,291 00	\$164,870 00	\$194,019 00	\$187,864 00	\$350,153 00	\$532,558 00	\$174,118 00	\$179,624 00	\$357,865 00	\$444,124 00	\$192,363 00	\$393,043 00	\$3,396,892 00
Estimated Insurance—													
On buildings and vessels.....	\$6,790,200 00	\$6,282,390 00	\$5,252,850 00	\$4,671,233 00	\$4,641,750 00	\$5,502,783 00	\$3,221,950 00	\$4,441,730 00	\$3,882,475 00	\$6,805,503 00	\$4,527,150 00	\$2,982,125 00	\$59,102,139 00
On contents.....	2,788,799 00	1,517,654 00	1,108,095 00	1,135,755 00	2,218,485 00	1,637,493 00	1,199,514 00	2,525,805 00	2,186,610 00	3,414,550 00	2,378,340 00	5,486,100 00	27,597,200 00
Total.....	\$9,578,999 00	\$7,800,044 00	\$6,460,945 00	\$5,806,988 00	\$6,860,235 00	\$7,140,276 00	\$4,421,464 00	\$6,967,535 00	\$6,069,085 00	\$10,220,053 00	\$6,905,490 00	\$8,468,225 00	\$86,699,339 00
Estimated Uninsured Loss—													
On buildings and vessels.....	\$11,819 00	\$578 00	\$25,284 00	\$1,117 00	\$705 00	\$250,194 00	\$965 00	\$715 00	\$1,000 00	\$3,309 00	\$777 00	\$10,935 00	\$307,398 00
On contents.....	5,277 00	4,498 00	14,577 00	61,882 00	9,731 00	31,368 00	1,251 00	13,220 00	6,136 00	7,384 00	4,860 00	19,465 00	179,649 00
Total.....	\$17,096 00	\$5,076 00	\$39,861 00	\$62,999 00	\$10,436 00	\$281,562 00	\$2,216 00	\$13,935 00	\$7,136 00	\$10,693 00	\$5,637 00	\$30,400 00	\$487,047 00
Average Loss per Fire...	\$534 96	\$535 29	\$560 74	\$620 01	\$1,039 02	\$1,479 32	\$572 76	\$677 82	\$1,255 66	\$1,165 67	\$581 16	\$975 29	\$839 57
Number of fires where the contents only were damaged; buildings or vessels not damaged	38	36	39	37	46	76	83	60	56	51	48	44	614
Number of fires where the loss was nominal to either structures or contents.....	162	113	124	119	156	164	116	104	125	165	144	147	1,639

Extent of Loss at Fires.

1897.	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	YEAR.	PERCENTAGE TO WHOLE NUMBER OF FIRES.	LOSS LESS THAN—
Nominal or less than \$10.....	170	122	128	126	159	167	123	103	129	172	150	147	1,701	42	
Between \$10 and \$50.....	96	73	88	83	101	111	102	79	74	95	83	130	1,115	28	\$50 at 2,816 fires.
" 50 " 100.....	44	31	36	25	17	20	22	27	21	28	27	36	334	8	100 at 3,150 "
" 100 " 1,000.....	84	66	66	47	39	37	37	35	34	64	50	53	613	15	1,000 at 3,763 "
" 1,000 " 5,000.....	18	9	16	16	13	15	16	9	19	13	17	20	181	4	5,000 at 3,944 "
" 5,000 " 10,000.....	5	3	6	3	2	7	2	....	3	3	1	7	42	..	10,000 at 3,986 "
" 10,000 " 20,000.....	5	3	4	1	1	....	....	3	1	2	1	4	25	..	20,000 at 4,011 "
" 20,000 " 30,000.....	....	....	2	....	3	1	....	1	3	1	....	4	15	..	30,000 at 4,026 "
" 30,000 " 40,000.....	....	....	....	1	....	....	1	....	....	1	....	....	3	..	40,000 at 4,029 "
" 40,000 " 50,000.....	....	....	....	....	....	....	....	2	....	....	1	....	3	..	50,000 at 4,032 "
" 50,000 " 60,000.....	1	....	....	....	....	....	....	....	....	....	....	1	2	..	60,000 at 4,034 "
" 60,000 " 70,000.....	....	1	....	....	....	....	....	....	....	1	....	....	2	..	70,000 at 4,036 "
" 70,000 " 80,000.....	....	....	....	1	....	....	....	....	....	....	1	1	3	..	80,000 at 4,039 "
" 80,000 " 90,000.....	....	....	....	....	1	....	1	....	....	....	....	....	2	..	90,000 at 4,041 "
" 90,000 " 100,000.....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	100,000 at 4,041 "
" 100,000 " 125,000.....	....	....	....	....	1	....	....	....	....	....	....	....	1	..	125,000 at 4,042 "
" 125,000 " 150,000.....	....	....	....	....	....	1	....	....	....	....	....	....	1	..	150,000 at 4,043 "
" 150,000 " 200,000.....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	200,000 at 4,043 "
" 200,000 " 225,000.....	....	....	....	....	....	....	....	....	1	1	....	....	2	..	225,000 at 4,045 "
" 250,000 " 300,000.....	....	....	....	....	....	1	....	....	....	....	....	....	1	..	300,000 at 4,046 "
" 350,000 " 400,000.....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
" 400,000 " 450,000.....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
" 450,000 " 500,000.....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
Total.....	423	308	346	303	337	360	304	265	285	381	331	403	4,046	..	

Record of Fires by Districts for the Year ending December 31, 1897.

DISTRICTS.	NUMBER OF FIRES.				ORIGIN.				NUMBER OF BUILDINGS IN DISTRICT.			LOSS.		
	Dwellings.	Business.	Other Places.	Total.	In Heating.	In Illuminating.	In Manufacturing and Other Business.	Miscellaneous.	Dwellings.	Business, etc.	Total.	Buildings.	Contents.	Total.
First.....	35	128	17	180	28	19	28	105	694	2,966	3,660	\$73,914	\$290,220	\$364,134
Second.....	70	43	12	125	15	30	6	74	1,770	1,592	3,362	142,011	670,515	812,526
Third.....	8	53	3	64	6	13	4	41	89	1,183	1,272	44,970	342,755	387,725
Fourth.....	645	147	28	820	150	236	33	401	7,339	3,474	10,813	73,642	212,077	285,719
Fifth.....	500	184	23	707	129	209	38	331	13,461	5,630	19,091	158,246	294,197	452,443
Sixth.....	691	129	32	852	152	287	53	360	19,891	5,675	25,566	127,409	185,657	313,066
Seventh.....	207	31	22	260	26	83	12	139	7,579	1,016	8,595	57,381	46,361	103,742
Eighth.....	318	49	21	388	59	124	27	178	10,666	2,578	13,244	56,117	75,617	131,734
Ninth.....	82	16	12	110	25	26	6	53	4,238	1,773	6,011	16,363	6,538	22,901
Tenth.....	239	34	23	296	51	79	14	152	9,563	1,829	11,392	23,975	34,148	58,123
Eleventh.....	132	42	16	190	45	50	18	77	13,334	6,590	19,924	59,078	100,443	159,521
Twelfth.....	12	....	10	22	7	2	2	11	1,871	1,520	3,391	1,173	380	1,553
Thirteenth.....	6	4	..	10	1	4	..	5	1,582	1,587	3,169	1,087	485	1,572
Fourteenth.....	7	3	..	10	1	2	..	7	1,564	1,134	2,698	465	295	760
Fifteenth.....	8	4	..	12	4	3	1	4	523	723	1,246	269,823	31,550	301,373
Total.....	2,960	867	219	4,046	699	1,167	242	1,938	94,164	39,270	133,434	\$1,105,654	\$2,291,238	\$3,396,892

Indictments and Convictions for Arson, Incendiarism, etc.

DESCRIPTION OF PERSON.						NATURE OF CHARGE AND CIRCUMSTANCES.	NATURE OF INDICTMENT AND DATE.	WHEN AND OF WHAT CONVICTED.	SENTENCE AND REMARKS.
Name.	Age.	Married or Single.	Color.	Nativity.	Occupation.				
Dennis Dwyer.....	24	Single.....	White.....	United States.....	Baker.....	Setting fire to letter-boxes, No. 2214 Eighth avenue, November 23, 1896.....	.....	.....	Sent to Ward's Island Insane Asylum, November 26, 1897.
Henry Schepp, Jr.....	17	".....	".....	".....	Expressman.....	Setting fire to No. 319 East Fifty-third street, December 10, 1896.....	Arson, first degree, January 4, 1897.....	Pleaded guilty after evidence was presented.....	Sent to Elmira Reformatory, February 15, 1897.
Henry Schepp, Sr.....	44	Married.....	".....	Germany.....	".....	Setting fire to No. 319 East Fifty-third street, December 10, 1896.....	.....	Son refused to testify against his father.....	Discharged on his own recognizance, February 15, 1897.
Charles Lenz.....	45	".....	".....	United States.....	Policeman.....	.....	.....	.....	Indictment dismissed November 19, 1897.
Koppel Friedland.....	32	".....	".....	Russia.....	Salesman.....	Setting fire to No. 21 Walker street, July 24, 1894.....	Arson, third degree, June 24, 1895.....	.....	Indictment dismissed December 28, 1897.
Helen Louise Johnson.....	30	".....	".....	Ireland.....	Designer.....	Setting fire to No. 334 Central Park, West, November 21, 1895.....	Arson, first degree, December 13, 1895.....	.....	Indictment dismissed December 28, 1897.
Adolph Meyer.....	28	Married.....	".....	France.....	Cook.....	Setting fire to No. 108 East One Hundred and Thirtieth street, January 16, 1897.....	Arson, first degree.....	Pleaded guilty.....	Sent to State Prison for 20 years, January 29, 1897.
Henry Levy.....	29	".....	".....	Russia.....	Cap manufacturer.....	Setting fire to No. 36 West Third street, January 13, 1897.....	Arson, second and third degree.....	".....	Sent to State Prison for 5 years, February 3, 1897.
Henry Castellano.....	24	".....	".....	Italy.....	Grocer.....	Setting fire to No. 503 West Thirty-third street, February 8, 1897.....	Arson, first degree, February 23, 1897.....	.....	Acquitted June 14, 1897.
John Berger.....	25	Single.....	".....	United States.....	Laborer.....	Setting fire to No. 2492 Second avenue, February 14, 1897.....	.....	.....	Dismissed by Grand Jury February 23, 1897.
John Duffy.....	55	Married.....	".....	Ireland.....	".....	Setting fire to No. 2492 Second avenue, February 14, 1897.....	.....	.....	Dismissed by Grand Jury February 23, 1897.
James Moore.....	..	Single.....	".....	".....	".....	Attempted arson at No. 2264 Second avenue, February 18, 1897.....	.....	.....	Dismissed by Grand Jury March 5, 1897.
Albert Smith.....	12	".....	".....	United States.....	Schoolboy.....	.....	.....	.....	.....
John Perina.....	12	".....	".....	".....	".....	Setting fire to Grammar School No. 61, March 17, 1897.....	.....	Pleaded guilty.....	Sent to Catholic Protectory April 19, 1897.
Frederick Boose.....	13	".....	".....	".....	".....	.....	.....	.....	.....
Harold Fields.....	12	".....	".....	".....	".....	Setting fire to No. 623 Amsterdam avenue, May 2, 1897.....	.....	.....	Dismissed by Grand Jury May 7, 1897.

DESCRIPTION OF PERSON.						NATURE OF CHARGE AND CIRCUMSTANCES.	NATURE OF INDICTMENT AND DATE.	WHEN AND OF WHAT CONVICTED.	SENTENCE AND REMARKS.
Name.	Age.	Married or Single.	Color.	Na'tivity.	Occupation.				
George McKinney.....	14	Single.....	White.....	United States.....	Newsboy.....	Setting fire to No. 2367 Second avenue, June 9, 1897.....	.....	Pleaded guilty.....	Sent to Catholic Protectory June 30, 1897.
Herman H. Levy.....	..	.....	" .....	.....	.....	Setting fire to No. 396 Broadway, May 22, 1897.....	.....	.....	Dismissed by Grand Jury July 29, 1897.
David Uhren.....	..	.....	" .....	.....	.....	Setting fire to letter-boxes of Nos. 205 and 254 West One Hundred and Fifteenth street, September 15, 1897.....	Arson, first degree, September 30, 1897	.....	Discharged on his own recognizance December 9, 1897.
Robert L. Klune.....	37	Divorced..	"	United States.....	Clerk	Setting fire to barn on Terrace, Spuyten Duyvil parkway, September 23, 1897.....	Arson, first degree, October 1, 1897....	.....	Acquitted October 18, 1897.
John Rolleston.....	..	Single.....	" .....	.....	Coachman.....	Setting fire to No. 435 East Eighty-second street, September 28, 1897.....	Arson, second degree, October 1, 1897....	.....	Acquitted November 16, 1897.
Bernard Blumenthal.....	39	Married...	"	Roumania.....	Stationer.....	Attempt at arson, third degree, at No. 206 Bowery.....	Attempt, third degree, May 15, 1896	.....	.....
Abraham Plonsky.....	28	"	"	United States.....	Shoe dealer.....	Setting fire to boat foot of West Thirty-fourth street.....	Indicted August 28, 1896.....	.....	.....
John Madden.....	36	.....	.....	.....	.....	Setting fire to No. 470 Lenox avenue, March 18, 1896.....	.....	.....	.....
Arthur H. Hopping.....	13	Single.....	White.....	United States.....	Schoolboy.....	Setting fire to No. 7 East One Hundred and Twenty-fifth street, December 16, 1895.....	.....	.....	.....
Frank Lloyd Danforth.....	45	Married...	"	"	Dentist.....	Setting fire to Nos. 85 and 87 Reade street.....	Arson, third degree, March 1, 1894.....	.....	.....
Louis Valenstein.....	29	"	"	Poland.....	Cigar manufacturer	Violation of section 112, Penal Code.....	February 14, 1894.....	.....	.....
Wolf Rosenheim.....	37	"	"	Germany.....	Tailor.....	Presenting false claim	December 11, 1894....	.....	.....
David Goldstein	45	"	"	Poland.....	Jeweler.....	Attempt to set fire to No. 371 Seventh avenue.....	Attempt at arson, second degree, September 14, 1894....	.....	.....
Thomas Mulligan.....	25	Single.....	"	United States.....	Bricklayer.....	Setting fire to No. 625 Columbus avenue, April 15, 1895.....	Arson, first degree, June 25, 1895.....	.....	.....
Yuen Hoy.....	49	Married...	Chinese	China.....	Laundry.....	Setting fire to No. 5 Rutgers place, November 2, 1894.....	Arson, third degree, and false claims... June 6, 1895.....	.....	Three indictments.
Bernard Petchaft.....	45	"	White.....	Russia.....	Manufacturer.....	Setting fire to No. 172 Park Row.....	Arson, first degree, June 6, 1895.....	.....	.....
Abraham Krone.....	50	"	"	Prussia.....	Manufacturer.....	Setting fire to No. 234 East Thirty-eighth street.....	Arson, second degree, June 24, 1895.....	.....	.....
George W. Holt.....	54	"	"	United States.....	Insurance adjuster	Setting fire to No. 21 Walker street, July 24, 1894.....	Arson, third degree, June 24, 1895.....	.....	.....
Henry Cohen.....	..	" .....	" .....	.....	.....	Setting fire to No. 434 East Eightieth street, August 1, 1895.....	Arson, third degree.....	.....	.....
Eva Gottholf.....	35	"	"	Germany.....	Housekeeper.....	.....	.....	.....	.....

Enumeration of Buildings, Sheds, Piers, etc.

MATERIALS BUILT OF.	OCCUPIED FOR	NUMBER OF STORIES.	LOCATION.	DISTRICT.															TOTAL.
				First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.	Twelfth.	Thirteenth.	Fourteenth.	Fifteenth. (Islands.)	
Built of brick, stone, iron or other non-inflammable materials, except as to flooring trimmings, doors, sashes, etc....	Business purposes.....	Four or less.....	On street.....	22	..	2	4	21	28	3	12	15	4	14	2	..	..	..	127
			In rear.....	1	1	..	..	1	1	..	2	..	1	..	..	..	..	..	7
		More than four..	On street.....	71	10	32	14	48	32	9	9	3	8	4	..	..	..	..	240
			In rear.....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
	Total.....	.....	.....	94	11	34	18	71	61	12	23	18	13	18	2	..	..	..	375
	Dwelling purposes.....	Four or less.....	On street.....	..	..	..	1	3	6	..	12	1	2	..	..	..	1	..	26
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		More than four..	On street.....	1	..	..	3	9	43	15	23	2	3	..	..	..	..	..	99
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.....	.....	.....	1	..	..	4	12	49	15	35	3	5	..	..	..	1	..	125
	Dwelling purposes, with store.....	Four or less.....	On street.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		More than four..	On street.....	..	..	..	..	3	6	1	4	..	..	..	..	..	..	..	14
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.....	.....	.....	..	..	..	..	3	6	1	4	..	..	..	..	..	..	..	14
	Sheds.....	.....	.....	2	..	..	..	56	31	9	11	2	8	10	..	..	..	1	130
	Bridges.....	.....	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Piers.....	.....	.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3
	Total.....	.....	.....	98	11	34	22	142	147	37	73	25	26	28	2	..	1	3	647
Walls of brick, stone, iron or other non-inflammable materials, floor beams, partitions, stairways, etc., of wood or other inflammable material..	Business purposes.....	Four or less.....	On street.....	1,003	388	244	968	2,066	2,295	262	696	191	455	303	29	11	29	90	9,030
			In rear.....	21	61	5	205	496	453	24	65	18	52	42	6	..	7	6	1,461
		More than four..	On street.....	1,470	372	795	790	779	561	81	21	27	106	33	..	..	2	..	5,227
			In rear.....	4	..	1	48	2	1	..	..	..	..	..	..	..	..	..	56
	Total.....	.....	.....	2,498	821	1,045	2,011	3,333	3,310	367	982	236	63	378	35	11	38	96	15,774
	Dwelling purposes.....	Four or less.....	On street.....	20	40	12	1,051	5,460	9,374	4,081	5,111	1,683	5,109	1,812	80	24	57	91	34,405
			In rear.....	27	93	8	558	714	646	8	33	2	10	12	..	..	2	..	2,113
		More than four..	On street.....	8	42	3	419	1,137	2,789	2,088	1,999	537	1,517	250	1	..	2	..	10,792
			In rear.....	12	12	1	258	71	25	9	1	..	..	..	..	..	..	..	369
	Total.....	.....	.....	67	587	24	2,266	7,382	12,834	6,186	7,144	2,222	6,636	2,074	81	24	61	91	47,679
	Dwelling purposes, with store.....	Four or less.....	On street.....	325	526	35	1,589	3,121	3,769	157	1,289	176	897	607	6	23	11	..	12,531
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		More than four..	On street.....	259	172	11	2,668	2,143	2,132	831	1,579	411	908	343	..	..	..	..	11,457
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.....	.....	.....	584	698	46	4,257	5,261	5,901	988	2,868	587	1,805	950	6	23	11	..	23,988
	Sheds.....	.....	.....	60	29	1	67	116	128	20	51	39	48	77	31	22	53	12	754
	Bridges.....	.....	.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
	Piers.....	.....	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.....	.....	.....	3,210	2,135	1,116	8,601	16,095	22,173	7,561	11,045	3,084	9,102	3,479	153	80	163	199	88,196

MATERIALS BUILT OF.	OCCUPIED FOR.	NUMBER OF STORIES.	LOCATION.	DISTRICT.															TOTAL.	
				First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.	Twelfth.	Thirteenth.	Fourteenth.	Fifteenth (Islands).		
Built mainly of wood or other inflammable material.	Business purposes	Four or less	On street	20	77	27	201	279	430	166	299	397	265	1,740	418	337	479	178	5,333	
			In rear	19	39	13	209	234	546	119	277	197	138	1,090	210	149	322	24	3,586	
		More than four	On street	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			In rear	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total			40	116	42	410	513	976	285	576	594	403	2,830	623	506	801	202	8,922	
	Dwelling purposes	Four or less	On street	2	186	19	170	315	345	255	317	1,156	845	8,487	1,564	1,326	1,299	382	16,668	
			In rear	1	31	..	75	93	327	43	82	59	..	231	14	16	12	1	985	
		More than four	On street	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			In rear	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total			3	217	19	245	408	672	298	399	1,215	845	8,718	1,578	1,342	1,311	383	17,653	
	Dwelling purposes, with store	Four or less	On street	39	268	..	566	392	429	91	216	211	272	1,592	206	175	198	49	4,704	
			In rear	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		More than four	On street	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
			In rear	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total			39	268	..	567	392	429	91	216	211	272	1,592	206	175	198	49	4,705	
	Sheds			215	597	61	934	1,496	1,110	315	927	866	726	3,233	808	573	672	371	12,900	
	Bridges			2	..	..	1	..	10	..	..	7	4	30	14	19	11	1	99	
	Piers			53	18	..	33	45	49	8	8	11	14	14	2	3	12	38	308	
Total			352	1,216	122	2,190	2,854	3,246	997	2,126	2,904	2,264	16,417	3,236	2,618	3,005	1,044	44,599		
Aggregate			3,650	3,362	1,272	10,813	19,091	25,566	8,595	12,244	6,011	11,392	19,924	3,391	2,698	3,169	1,246	133,433		

RECAPITULATION.

How Occupied.	Location.
Number of buildings occupied for business purposes.....	25,071
Number of buildings occupied for dwelling purposes.....	65,457
Number of buildings occupied as dwelling, with store.....	28,707
Total.....	119,235
Number of Stories in Height.	Sheds, etc.
Number of buildings four stories or less.....	90,976
Number of buildings more than four stories.....	28,259
Total.....	119,235
Number of buildings on street.....	110,656
Number of buildings in rear.....	8,579
Total.....	119,235
Number of sheds.....	13,788
Number of bridges.....	100
Number of piers.....	311
Total.....	14,199

Operations under the Laws Regulating the Storage of Combustibles and Explosive Materials, etc.

COMPLAINTS OF VIOLATIONS, ETC.	Pending Dec. 31, 1896.	Received since.	Total to be disposed of.	DISPOSITION.						Now pending.
				Complied on notice.	Unfounded.	Penalties collected.	Penalties remitted.	Prosecution recommended.	Total.	
Selling kerosene oil below test.....	..	3	3	..	..	1	..	1	2	..
Selling kerosene oil without license.....	8	954	962	883	53	..	..	..	936	26
Chimney fires.....	24	294	318	..	..	190	90	18	298	20
Hoistways found open after conclusion of business.....	5	31	36	..	..	2	27	7	36	..
Fire-hydrants obstructed.....	..	1	1	1	..	..	..	..	1	..
Lights unprotected.....	..	7	7	5	2	..	..	..	7	..
Want of fire-extinguishing appliances.....	..	1	1	1	..	..	..	..	1	..
Combustible material in excessive quantity.....	6	71	77	45	30	..	..	..	75	2
Kerosene or naphtha, etc., in excessive quantity.....	..	25	25	10	14	..	..	..	24	1
Fireworks, chemicals, matches, etc., kept without permit.....	..	37	37	22	15	..	..	..	37	..
Powder, etc., improperly stored, transported, etc.....	..	20	20	2	18	..	..	..	20	..
Chimneys, flues, heating apparatus, etc., unsafe.....	8	162	170	74	91	..	..	..	165	5
Ashes in wooden boxes, etc.....	..	1	1	..	1	..	..	..	1	..
Hay, straw, cotton, rags and other vegetable fibre stored in excessive quantity.....	..	11	11	7	4	..	..	..	11	..
Total.....	51	1,618	1,669	1,050	228	193	117	26	1,614	54

Special surveys made to determine the fitness of premises for the storage of combustibles or explosive materials..... 3,878
 Samples of kerosene oil collected and tested..... 1,438

Money Received for Licenses and Permits Issued, Penalties Collected, Sale of Explosives, etc., Seized, etc.

4,350 kerosene oil licenses issued, at \$10.....	\$43,500 00
51 powder licenses issued, at \$5.....	255 00
1,611 special permits issued, at \$2.....	3,222 00
17 wholesale fireworks permits issued, at \$20.....	340 00
467 retail fireworks permits issued, at \$5.....	2,335 00
27 kindling fire in streets permit issued, at 50 cents.....	13 50
182 permits to use and keep explosives in hand magazine issued, at \$10.....	1,820 00
7 permits to use and keep explosives in main magazine issued, at \$25.....	175 00
7 permits to sell explosives issued, at \$25.....	175 00
23 permits to transport explosives issued, at \$1.....	23 00
Total for Licenses and Permits.....	\$51,858 50
1 penalty for selling kerosene oil below test, at \$50.....	50 00
190 penalties for chimney, at \$5.....	950 00
2 hoistways left open, at \$50.....	100 00
Sale of powder seized.....	47 33
Check from Comptroller for penalties collected in Court.....	255 00
Total for penalties.....	1,402 33
Total received and turned over to the Relief Fund.....	\$53,260 83

FIRE-ALARM TELEGRAPH.

Seventy miles of old wire were taken down and restrung with new, and 60 miles of additional wire strung in repairs and extensions of circuits.

Two hundred and eighty-three poles were set, 64 reset, and 326 taken down and condemned. Seventy-two poles, with signal boxes attached, and 750 combination signal and lamp posts, were painted.

The fire-alarm boxes located in the neighborhood of Williamsbridge and Woodlawn, on the west side of the Bronx river, and to which the two engine companies on the east side of the Bronx river (at Williamsbridge and Wakefield) respond, have been fitted with duplicate transmitting devices and supplied with an independent circuit which connect to those two companies, to whom those signals are transmitted direct from those boxes, simultaneously with their transmission to and receipt at the Central Office. The local fire-alarm circuits in the Williamsbridge and Wakefield district have been removed from the electric-light poles where they were placed previous to the annexation, and placed upon the poles of the New York Telephone Company, and those circuits have been extended to and connect with thirteen (13) additional fire-alarm boxes. The local circuit which was last year constructed, between West Farms and Westchester and Unionport, has been extended to City Island and connected with thirteen additional fire-alarm boxes, six of which are located on City Island.

Sixty-two (62) fire-alarm signal boxes of improved pattern have been purchased and two hundred (200) of the old boxes (in service) were temporarily removed and altered to correspond with those of the improved pattern, and replaced in service in the northern part of the city (including the newly annexed district). Sixty-one (61) boxes have been added to the system and ten (10) additional locations have been selected and will be supplied at an early date with boxes now ready. The improvements to the boxes above mentioned include, among others, a device for protecting them from damage from high-tension currents employed by the lighting and trolley companies, which have heretofore given much trouble to the fire-alarm system, in consequence of contact between wires of the two systems, especially during storms.

The extension of the subway system has been continued during the year, and with the completion of the work now in progress (and nearly completed), the additions to the underground system will consist of 13 3/4 miles of duct, 196 service boxes, 221 flush boxes, 112 combination signal and lamp posts, 24 miles of cable, 169 8-10 miles of conductor, making a total of 132 1/4 miles of subway duct in use by this Department, of which 92 miles are of the general subway and 40 1/4 miles of this Department's construction, in which are 132 miles of cable, making 1,134 miles of conductors, which connect with 642 fire-alarm boxes (100 of which are located in the public schools), 78 Department apparatus houses, 4 homes and hospitals, 8 department officials, 1 Department of Public Works, 4 patrol houses, and 11 miscellaneous buildings (newspaper offices, etc.).

The total number of stations from which fire alarms may be transmitted is 2,470, as follows:
 Regular city boxes..... 1,134
 Special Fire Alarm Signal Company..... 99
 Manhattan Fire Alarm Company..... 52

Automatic Signal and Sprinkler Company..... 895
 Thermostatic Signal Company..... 74
 Pneumatic Fire Alarm Company..... 216

1,185
 2,470

Locations for a number of additional fire-alarm boxes have been recommended and approved, which will be supplied during the coming year.

All of the fire-alarm boxes south of One Hundred and Thirtieth street, including those on Blackwell's Island and a few scattering ones north of One Hundred and Thirtieth street, are now equipped with keyless doors, the total of which is 716.

Number of Alarms.

From street boxes.....	3,010
From special building boxes.....	8
From Automatic Signal Company.....	53
From Thermostatic Signal Company.....	9
From Pneumatic Fire Alarm Signal Company.....	23
From Police, by telephone.....	1
Verbal.....	1,365
Total.....	4,469

Second alarms.....	112
Third alarms.....	38
Fourth alarms.....	6
Fifth alarms.....	2
Special calls for companies.....	72
Insurance patrols.....	83
Ambulances.....	176
Relief signal.....	120

Total alarms and calls..... 609

Messages.

Messages transmitted.....	3,875
Messages received.....	6,829

Total messages..... 10,704

The total number of applications for inspection of electrical plants in buildings during the year was 9,839, the number of inspections was 23,068, the number of certificates issued was 8,806, and the number of violation notices sent out was 2,872. The work in this Department was considerably in excess of that of 1896. The increase of the number of applications for inspection, the number of certificates issued and the number of inspections made, averaged about 27 per cent. over those of last year, while the number of violation notices served was decreased about 28 per cent., which is a creditable exhibit in that it shows a higher standard of work done, attributable, to a great extent, to the supervision exercised by this Department.

ATTORNEY TO THE FIRE DEPARTMENT.

Violations of Law Relating to Combustibles, etc.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			TOTAL DISPOSED OF.	PENDING DECEMBER 31, 1897.
	Pending Last Report.	Received Since.	Total.		
Selling kerosene oil below test.....	..	1	1	1	..
Selling kerosene oil without license.....	3	1	4	..	4
Chimney fires.....	14	13	27	5	22
Hoistways open after conclusion of business.....	10	4	14	11	3
Storing powder, etc., without permits.....	..	..	..	..	..
Selling percussion caps, fireworks, etc., without license.....	..	..	..	..	..
Failure to provide telegraphic communication.....	10	6	16	5	11
Total.....	37	25	62	22	40

Violations of Law Relating to Hotels, Theatres, etc.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			TOTAL DISPOSED OF.	PENDING DECEMBER 31, 1897.
	Pending Last Report.	Received Since.	Total.		
Violations of electrical rules.....	..	25	25	18	7
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	13	..	13	13	..
Failure to provide watchmen, alarms, etc.....	150	305	455	244	211
Total.....	163	330	493	275	218

Miscellaneous Business.

NATURE.	PENDING LAST REPORT.	RECEIVED	TOTAL.	DISPOSED OF.	PENDING DECEMBER 31, 1897.
Opinions required.....	3	31	34	34	..
Proceedings to review determinations of Board of Commissioners.....	16	7	23	4	19
Suits by or against Department.....	9	1	10	..	10
Total.....	28	39	67	38	29

Moneys Received.

Feb. 13, 1897. From B. Connelly—Penalty.....	\$5 00
July 29, 1897. From William Dorfman—Penalty.....	50 00
Nov. 27, 1897. From James Brooks—Penalty.....	5 00
Nov. 30, 1897. From E. La Farge—Penalty.....	5 00
Dec. 10, 1897. From W. C. Bennett—Costs.....	10 00

\$75 00

Disposed of.

Feb. 16, 1897. Paid to Fire Department Relief Fund.....	\$5 00
Aug. 6, 1897. Paid to Fire Department Relief Fund.....	50 00
Dec. 27, 1897. Paid to Fire Department Relief Fund.....	20 00

\$75 00

SANITARY STATISTICS OF THE UNIFORMED FORCE.

DURING THE YEARS.	INJURIES.		DISEASES.		AGGREGATE	
	No. of Cases.	No. of Days Lost.	No. of Cases.	No. of Days Lost.	No. of Cases.	No. of Days Lost.
1877.....	59	1,813	144	1,170	203	2,983
1878.....	74	1,374	146	2,379	220	3,753
1879.....	153	2,670	205	2,086	358	4,756
1880.....	188	3,879	207	2,916	395	6,795
1881.....	166	3,391	238	4,138	404	7,529
1882.....	219	4,481	329	5,432	548	9,913
1883.....	207	3,601	516	7,785	723	11,386
1884.....	202	4,302	472	6,586	674	10,888

DURING THE YEARS.	INJURIES.		DISEASES.		AGGREGATE.	
	No. of Cases.	No. of Days Lost.	No. of Cases.	No. of Days Lost.	No. of Cases.	No. of Days Lost.
1885.....	216	5,290	504	9,363	720	14,653
1886.....	227	6,661	459	6,946	686	13,607
1887.....	219	7,025	510	10,681	729	17,706
1888.....	238	7,036	592	9,762	830	16,798
1889.....	168	5,520	485	8,674	653	14,194
1890.....	120	3,699	497	11,033	617	14,732
1891.....	541	12,036	132	4,165	673	16,201
1892.....	161	4,434	495	9,758	656	14,192
1893.....	536	8,747	177	4,120	713	12,867
1894.....	159	3,450	481	8,897	639	12,347
1895.....	171	3,641	519	8,274	690	11,915
1896.....	197	4,122	515	8,615	713	12,737
1897.....	224	4,771	563	8,242	787	13,016

Cases of Disability.

Number of cases of illness.....	563
Number of cases of injury.....	224

Total..... 787

Time lost (number of days for illness).....	8,242
Time lost (number of days for injury).....	4,774

Total..... 13,016

Classification of Diseases and Injuries for the Year.

Abscess of ear.....	4	Hæmoptysis.....	1
“ face.....	2	Hæmorrhoids.....	5
“ foot.....	2	Heart disease.....	5
“ hand.....	2	Herpes tonsurans.....	1
“ thigh.....	1	“ zoster.....	1
“ throat.....	1	Influenza.....	91
Adenitis.....	3	Intermittent fever.....	29
Alcoholism.....	7	Laryngitis, acute.....	4
Angina pectoris.....	1	Liver, congestion of.....	1
Antrum of highmore, disease of.....	1	“ cirrhosis of.....	1
Amputation of four toes.....	1	Melancholia.....	1
Appendicitis.....	7	Menigitis, acute.....	2
Asthma.....	2	Neuralgia, facial.....	8
Bright's disease of kidney.....	4	“ intercostal.....	1
Bronchitis.....	45	Neuritis, brachial.....	1
Bunion, inflamed.....	1	Nose, operation on.....	1
Burn of foot.....	1	Overcome by smoke and gas.....	6
Burns, severe.....	11	Paralysis, Bell's.....	1
Carbuncle.....	1	“ of deltoid, traumatic.....	1
Cholera morbus.....	10	Pachymeningitis.....	1
Colic, hepatic.....	1	Paronychia.....	1
“ intestinal.....	5	Parotiditis.....	1
“ renal.....	1	Paresis, general.....	3
Concussion of brain.....	1	Pemphigus.....	1
“ spine.....	3	Pharyngitis.....	7
Contusions of arm.....	4	Phlebitis of arm.....	1
“ back.....	2	“ of leg.....	2
“ chest.....	1	Phlegmon of finger.....	1
“ face.....	2	“ of hand.....	1
“ foot.....	10	“ ischio-rectal.....	2
“ head.....	2	Pleurisy with effusion.....	3
“ leg.....	5	Pneumonia.....	7
“ shoulder.....	7	Polypus of nose, operation.....	1
“ side.....	2	Pruritus ani.....	2
“ thigh.....	4	Psoriasis.....	2
Cystitis.....	1	Remittent fever.....	8
Dementia.....	1	Rheumatism, acute articular.....	35
Diarrhoea.....	13	“ lumbar.....	28
Dislocation of hip.....	1	“ muscular.....	18
“ shoulder.....	3	Sciatica.....	3
Dog-bite.....	1	Sprain of ankle.....	20
Dyspepsia.....	5	“ back.....	7
Eczema of leg.....	2	“ foot.....	7
Epilepsy.....	1	“ knee.....	4
Erysipelas of face.....	6	“ wrist.....	6
Eye, chalazion, operation.....	1	Stomach, cancer of.....	1
“ choroiditis.....	1	“ dilatation of.....	1
“ conjunctivitis.....	3	Steatoma of neck, operation.....	1
“ Iritis.....	2	Sunstroke.....	3
“ injury to cornea.....	2	Syncope.....	2
“ keratitis.....	5	Synovitis, acute traumatic.....	12
Fistula in ano, operation.....	4	Tonsillitis, acute.....	23
Fracture of clavicle.....	1	Tuberculosis.....	19
“ femur.....	1	Typhoid fever.....	5
“ fibula.....	1	Ulcer, chronic of face.....	1
“ fibula and tibia.....	1	“ of foot.....	1
“ finger.....	1	“ of leg.....	2
“ humerus.....	2	Urethra, rupture of.....	1
“ metacarpal bone.....	1	Vertigo.....	1
“ olecranon.....	1	Wound of ankle.....	1
“ radius.....	3	“ arm.....	2
“ radius and ulna.....	2	“ back.....	2
“ ribs.....	3	“ face.....	3
“ scapula.....	1	“ foot.....	3
“ Potts.....	3	“ hand.....	24
Furunculosis.....	3	“ knee.....	3
Gastralgia.....	1	“ leg.....	6
Gastritis, acute.....	32	“ neck.....	1
“ alcoholic.....	4	“ scalp.....	3
Gout.....	4	“ thigh.....	1
Hæmatemesis.....	1	“ wrist.....	2

Deaths in the Uniformed Force.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF DEATH.	CAUSE.
Charles Adams.....	Fireman.....	Engine 52.....	Jan. 10, 1893	Feb. 6, 1897	Tuberculosis.
George C. Volkhart.....	Fireman.....	Engine 58.....	Aug. 1, 1894	Mar. 23, 1897	Tuberculosis.
Frank Shay.....	Engineer.....	Engine 2.....	Aug. 15, 1884	Mar. 24, 1897	Meningitis.
John H. White.....	Captain.....	Engine 36.....	Jan. 2, 1875	April 11, 1897	Cancer of stomach.
John G. Rheinhardt.....	Fireman.....	Engine 7.....	Jan. 7, 1896	May 6, 1897	Suffocation at fire.
John P. Shaughnessy.....	Fireman.....	Engine 60.....	May 12, 1892	July 13, 1897	Tuberculosis.
W. H. Landers.....	Captain.....	Engine 42.....	Sept. 29, 1865	July 22, 1897	Pneumonia.
Frank J. Rothenhauser.....	Lieutenant.....	Engine 11.....	Aug. 10, 1890	Aug. 12, 1897	Typhoid fever.
John J. McNamara.....	Captain.....	Engine 43.....	Dec. 7, 1877	Oct. 24, 1897	Tuberculosis.
Martin J. Oakley, Jr.....	Fireman.....	Engine 5.....	Feb. 11, 1894	Dec. 21, 1897	Suffocation at fire.
James F. Calnan.....	Fireman.....	Engine 34.....	Feb. 16, 1891	Dec. 25, 1897	Killed while answering alarm; engine fell on him.

Retired from all Service for Disability.

NAME.	GRADE.	COMPANY.	DATE APPOINTED.	WHEN RETIRED.	CAUSE.
James E. Nolan.....	Fireman 1st grade.....	Hook and Ladder 14.....	Nov. 5, 1881	Jan. 15, 1897	Injury of liver.
Matthew Reilly.....	Fireman 1st grade.....	Hook and Ladder 19.....	Mar. 20, 1880	Apr. 5, 1897	Tuberculosis.
William H. Jones.....	Lieutenant.....	Engine 16.....	Sept. 25, 1875	May 1, 1897	Hemiplegia.
Francis Carey.....	Lieutenant.....	Engine 40.....	Apr. 1, 1878	May 1, 1897	Bright's disease.
Julius Chenu.....	Fireman 1st grade.....	Engine 30.....	June 2, 1868	May 1, 1897	General paresis.
Joseph Wheeling.....	Fireman 1st grade.....	Engine 40.....	Dec. 23, 1888	May 1, 1897	Tuberculosis.
Samuel Wood.....	Fireman 1st grade.....	Engine 46.....	Jan. 9, 1889	May 1, 1897	Heart disease.
William Muller.....	Fireman 1st grade.....	Engine 52.....	Jan. 3, 1866	May 1, 1897	Tuberculosis.
William E. Stanton.....	Fireman 1st grade.....	Engine 59.....	Aug. 10, 1890	May 1, 1897	Heart disease.
James Gonoud.....	Fireman 1st grade.....	Engine 64.....	Jan. 1, 1890	May 1, 1897	General paresis.
James Reynolds.....	Fireman 1st grade.....	Hook and Ladder 8.....	Aug. 15, 1884	May 1, 1897	Bright's disease.
John P. Walsh.....	Fireman 1st grade.....	Hook and Ladder 15.....	Sept. 15, 1892	May 1, 1897	Impaired vision.
William Quirk.....	Captain.....	Engine 49.....	May 1, 1884	Oct. 8, 1897	Anchylolysis of elbow.
			May 19, 1881	Dec. 15, 1897	

Retired from All Service after Twenty Years' Service.

NAME.	RANK.	COMPANY.	DATE OF APPOINTMENT.	WHEN RETIRED.	NAME.	RANK.	COMPANY.	DATE OF APPOINTMENT.	WHEN RETIRED.
Christopher C. Flick.....	Engineer.....	Engine 40.....	Oct. 6, 1865	Jan. 1, 1897	John Murphy.....	Lieutenant.....	Engine 12.....	Oct. 17, 1870	May 1, 1897
John Falvey.....	Captain.....	Hook and Ladder 14.....	Mar. 17, 1872	Jan. 1, 1897	William J. Renshaw.....	Relieved Fireman.....	Engine 36.....	Sept. 1, 1875	July 1, 1897
Henry M. Ahrens.....	Engineer.....	Engine 38.....	Mar. 11, 1871	Jan. 1, 1897	Michael Commerford.....	Captain.....	Hook and Ladder 9.....	Oct. 17, 1870	Nov. 1, 1897
C. F. Britt.....	Fireman 1st grade.....	Engine 52.....	July 18, 1874	Jan. 1, 1897	James H. Frederick.....	Engineer.....	Engine 11.....	Nov. 15, 1872	Nov. 1, 1897
William Grace.....	Engineer.....	Engine 55.....	Mar. 29, 1868	Feb. 1, 1897	Lawrence Ryan.....	Engineer.....	Engine 41.....	Sept. 4, 1875	Dec. 1, 1897
Martin Cook.....	Captain.....	Engine 4.....	July 3, 1875	Apr. 10, 1897				Nov. 23, 1877	
			Jan. 22, 1877						
			Jan. 1, 1870						

Deaths Among those Relieved from Service at Fires.

NAME.	GRADE.	COMPANY.	DATE APPOINTED.	DATE RELIEVED.	CAUSE.	DATE OF DEATH.	CAUSE.
John Aukner.....	Fireman 1st grade.....	Engine 47.....	Oct. 27, 1865	Apr. 1, 1884	Injuries.....	Jan. 27, 1897	Chronic indigestion.
John H. Watson.....	Fireman 1st grade.....	Engine 37.....	May 2, 1866	June 1, 1893	Chronic rheumatism.....	Mar. 26, 1897	Heart disease.
Philip Sheridan.....	Captain.....	Engine 9.....	Oct. 20, 1865	Jan. 1, 1892	Chronic diarrhoea.....	May 5, 1897	Apoplexy.
Thomas Larkin.....	Fireman 1st grade.....	Hook and Ladder 21.....	Jan. 1, 1870	Jan. 1, 1892	Vertigo and loss of eyesight.....	Oct. 6, 1897	Disease spinal cord.
James McNamee.....	Fireman 1st grade.....	Engine 53.....	Oct. 20, 1865	July 10, 1890	Heart disease.....	Dec. 10, 1897	Senile paralysis.

Deaths Among those Retired from all Service.

NAME.	GRADE.	COMPANY.	DATE APPOINTED.	DATE OF RETIREMENT.	CAUSE.	DATE OF DEATH.	CAUSE.
Thomas E. Schiel.....	Fireman 1st grade.....	Engine 64.....	Oct. 27, 1865	Sept. 1, 1896	Twenty years' service.....	Mar. 14, 1897	Heart disease.
Asa J. Henderson.....	Fireman 1st grade.....	Engine 19.....	Sept. 14, 1865	Mar. 1, 1896	Twenty years' service.....	Aug. 30, 1897	Tuberculosis.
Julius Chenu.....	Fireman 1st grade.....	Engine 30.....	Dec. 23, 1888	May 1, 1897	General paresis.....	Sept. 24, 1897	General paresis.
James Gonoud.....	Fireman 1st grade.....	Engine 64.....	Aug. 15, 1884	May 1, 1897	General paresis.....	Nov. 11, 1897	General paresis.
James A. Levins.....	Fireman 1st grade.....	Engine 21.....	July 3, 1872	Apr. 1, 1884	Incipient consumption.....	Dec. 5, 1897	Tuberculosis.
Alfred Teare.....	Fireman 1st grade.....	Engine 24.....	Oct. 11, 1865	Nov. 1, 1894	General debility.....	Dec. 26, 1897	Heart disease.

REPAIR SHOPS.

Purchased under Contract.

The following apparatus was purchased during the year:

4 steam fire-engines.	1 new boiler, pumping apparatus, etc.
4 4-wheel hose-wagons.	1 steam elevator and shaft.

Rebuilt under Contract.

4 steam fire-engines.

Repairs under Contract.

3 to fire-boats.	1 to steam fire-engine.
1 to hook and ladder truck.	

Hose Received.

1½-inch.....	4,000 feet.	3-inch.....	10,000 feet.
2½-inch.....	12,050 feet.	3½-inch.....	2,360 feet.

Extensive Repairs.

82 to steam fire-engines.	13 to hose wagons.
21 to battalion wagons.	5 to light wagons.
17 to hook and ladder trucks.	

Ordinary Repairs.

109 to steam fire-engines.	48 to light wagons.
114 to hook and ladder trucks.	8 to water-towers.
180 to battalion wagons.	1 to double-reel tenders.
8 to fuel wagons.	12 to various wagons.
20 to hose tenders.	11 to 3 floating engines.
80 to hose wagons.	

Repairs by the Wrecking Force.

68 to steam fire-engines.	92 to hook and ladder trucks.
11 to hose wagons.	5 to hose tenders.
2 to battalion wagons.	1 to light wagon.
4 to water-towers.	1 to fuel wagon.

In the Wheelwright Shop 437 pieces were manufactured and 1,546 pieces were repaired.
 In the Harness Shop 3,729 pieces of new work were turned out and 1,075 pieces were repaired.
 In the Paint Shop 787 engines, trucks, wagons, wheels and other pieces were painted, striped and varnished; 339 pieces were touched up and 375 pieces were oiled and varnished.
 In the Hose Shop 1,327 lengths of hose, 10 suction and 4 hydrant connections were repaired.
 In the Machine Shop 1,266 pieces were manufactured and 1,217 pieces were repaired.

Inventory of Apparatus.

	TOTAL.
Marine steam fire-engines (Cos. Nos. 43, 51 and 57).....	3
First size.....	20
Second size.....	35
Steam fire-engines.....	23
Third size.....	15
Fourth size.....	2
Fifth size.....	36
Hose tenders, four-wheeled.....	1
Hose tenders, four-wheeled—double reel (for boat).....	20
Hose tenders, two-wheeled.....	55
Hose wagons, four-wheeled.....	5
Water towers.....	6
Chemical fire-engines.....	2
Combination chemical engine and hose wagon.....	25
Fuel wagons.....	1
Wrecking truck.....	2
Hand engines.....	1
Hose carriage.....	8
Hose jumpers.....	25
Chief of Battalion wagons.....	1
Portable water tank.....	5
Turn-table, with extension ladder.....	1
Second size.....	18
First size.....	9
Second size.....	4
Third size.....	2
Goose-neck, without extension ladder.....	4
Two-wheel hand trucks.....	

Classified Description of Steam Fire Engines.

SIZE.					STYLE OF—			SIZE IN INCHES OF—			Weight with Water.	When Built or Placed in Service.	MANUFACTURER'S—		NEW BOILERS, PUMPS, ETC.		WHERE IN SERVICE.
1	2	3	4	5	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.			Name.	Number.	When.	By Whom.	
	I				V tank	Nest tube	Double	8	12	4 3/4	6,520	1865	Amoskeag Mfg. Co.	158	1879	New boiler, Amoskeag Manufacturing Company	Spare.
	I				"	Tubular	"	8	12	4 3/4	6,750	1866	"	159	1888	" La France Fire Engine Company	"
	I				"	Nest tube	"	8	12	4 3/4	6,750	1866	"	160	1879	" Amoskeag Manufacturing Company	"
	I				"	Drop tube	"	8	12	4 3/4	6,750	1866	"	162	1889	" Manchester Locomotive Works, and rebuilt, La France Fire Engine Company	"
	I				"	Tubular	"	8	12	4 3/4	6,750	1866	"	164	1875	" Repair Shops	"
	I				"	Sectional coil tube	"	8	12	4 3/4	6,750	1866	"	165	1885	" Clapp & Jones Manufacturing Company	"
	I				Straight frame	"	"	6 7/8	8	4 1/2	6,700	1867	"	226	1874	New boiler, Amoskeag Manufacturing Company	Engine 49.
	I				"	Drop tube	"	6 7/8	8	4 1/2	6,700	1867	"	227	1886	" C app & Jones Manufacturing Company	Spare.
	I				"	"	"	6 7/8	8	4 1/2	6,700	1867	"	229	1875	" Repair Shops	"
	I				"	"	"	6 7/8	8	4 1/2	6,700	1868	"	295	1882	" Clapp & Jones Manufacturing Company	"
	I				"	Nest tube	"	6 7/8	8	4 1/2	6,700	1868	"	296	1878	New tubes in boiler, Repair Shops	Engine 25.
	I				"	"	"	6 7/8	8	4 1/2	6,700	1868	"	302	1881	New boiler, Clapp & Jones Manufacturing Company	"
	I				"	"	"	6 7/8	8	4 1/2	6,700	1868	"	302	1886	New pumps	"
	I				Crane neck	Drop tube	"	6 7/8	8	4 1/2	6,800	1871	"	359	1881	New boiler, Clapp & Jones Manufacturing Company	Engine 49.
	I				"	"	"	6 7/8	8	4 1/2	6,800	1871	"	360	1884	"	"
	I				"	"	"	6 7/8	8	4 1/2	6,800	1871	"	361	1883	"	"
	I				"	"	"	6 7/8	8	4 1/2	6,800	1871	"	362	1883	"	"
	I				"	"	"	6 7/8	8	4 1/2	7,385	1871	"	363	1883	"	"
	I				"	Tubular	"	6 7/8	8	4 1/2	7,250	1873	"	437	1880	New pumps, new crown sheet, new tubes and sheet in furnace, Manchester Locomotive Works	Engine 8.
	I				"	Drop tube	"	6 7/8	8	4 1/2	6,950	1873	"	438	1889	New boiler and rebuilt, La France Fire Engine Company	Spare.
	I				"	"	"	6 7/8	8	4 1/2	6,950	1873	"	455	1882	New pump, Repair Shops	"
	I				Harp tank	"	Single	7 3/4	9	4 3/8	5,700	1876	"	516	1884	New boiler, Clapp & Jones Manufacturing Company	"
	I				"	Nest tube	"	7 3/4	9	4 3/8	5,700	1877	"	517	1884	" and rebuilt, La France Fire Engine Company	Engine 50.
	I				"	"	"	7 3/4	9	4 3/8	5,700	1877	"	519	1886	" and repairs	"
	I				"	"	"	7 3/4	9	4 3/8	5,700	1877	"	520	1888	" La France Fire Engine Company	"
	I				"	"	"	7 3/4	9	4 3/8	5,700	1877	"	520	1882	New tubes in boiler, Clapp & Jones Manufacturing Company	"
	I				"	"	"	7 3/4	9	4 3/8	5,700	1877	"	520	1889	New boiler and rebuilt, La France Fire Engine Company	"
	I				Crane neck	Drop tube	Double	7 3/8	8	4 1/2	7,320	1879	"	527	1881	" Clapp & Jones Manufacturing Company	Spare.
	I				"	"	"	8	7	4 7/8	7,450	1880	Clapp & Jones Mfg. Co.	351	1894	New boiler and rebuilt, Clapp & Jones Manufacturing Company	Engine 1.
	I				"	"	"	8	7	5	7,450	1880	"	352	1880	"	"
	I				"	"	"	9 1/4	6	5 1/2	5,750	1881	"	359	1883	New pump, Clapp & Jones Manufacturing Company	"
	I				"	"	"	9 1/4	6	5 1/2	5,750	1881	"	362	1894	New boiler and rebuilt, La France Fire Engine Company	"
	I				"	"	"	9 1/4	6	5 1/2	5,750	1881	"	365	1896	" American Fire Engine Company	"
	I				"	"	"	9 1/4	6	5 1/2	5,300	1881	"	368	1897	" La France Fire Engine Company	"
	I				"	"	"	9 1/4	6	5 1/2	5,300	1881	"	370	1896	"	"
	I				"	"	"	9 1/4	6	5 1/2	5,300	1881	"	371	1896	"	"
	I				"	"	"	9 1/4	6	5 1/2	5,300	1881	"	375	1897	" American Fire Engine Company	"
	I				"	"	"	9 1/4	6	5 1/2	5,300	1881	"	375	1897	"	"
	I				"	"	"	8 1/2	7	5	7,890	1882	"	380	1895	" La France Fire Engine Company	"
	I				"	"	"	8 1/2	7	5	8,110	1882	"	381	1895	New boiler and rebuilt, Clapp & Jones Manufacturing Company	"
	I				"	"	"	8 1/2	7	5	7,890	1882	"	383	1894	New boiler and rebuilt, La France Fire Engine Company	"
	I				"	"	"	8 1/2	7	5	7,890	1882	"	385	1895	New boiler and rebuilt, Clapp & Jones Manufacturing Company	"
	I				"	"	"	7 1/2	6	4 5/8	4,680	1882	"	397	1895	"	"
	I				"	Coil	"	6 3/4	8	4 1/4	6,210	1883	A hrens Manufacturing Company	358	1888	New coil in boiler, Ahrens Manufacturing Company	"
	I				"	"	"	6 3/4	8	4 1/4	6,210	1883	A hrens Manufacturing Company	360	1888	New boiler and repairs, La France Fire Engine Company	"
	I				"	Drop tube	"	7 1/2	7	4 5/8	6,550	1883	Clapp & Jones Manufacturing Company	413	1896	" and rebuilt, American Fire Engine Company	"
	I				Straight frame	Coil	Single	8	7	5	4,665	1883	A hrens Manufacturing Company	354	1883	"	"
	I				"	"	"	8	7	5	4,665	1883	A hrens Manufacturing Company	356	1883	"	"
	I				"	Drop tube	Double	9 1/4	6	5 1/2	4,750	1883	Clapp & Jones Mfg. Co.	429	1889	New coils and repairs, Repair Shops	"
	I				"	"	"	9 1/4	6	5 1/2	4,745	1883	"	417	1889	"	"
	I				"	"	"	7 1/2	7	4 5/8	6,485	1883	"	415	1896	New boiler and rebuilt, American Fire Engine Company	"
	I				"	"	"	9 1/4	6	5 1/2	5,950	1884	"	430	1896	"	"
	I				"	"	"	9 1/4	6	5 1/2	5,950	1884	"	432	1896	"	"
	I				"	"	"	9 1/4	6	5 1/2	5,950	1884	"	433	1896	"	"
	I				"	"	"	9 1/4	6	5 1/2	5,950	1884	"	434	1896	"	"
	I				"	"	"	9 1/4	6	5 1/2	5,950	1884	"	436	1896	"	"
	I				"	"	"	9 1/4	6	5 1/2	5,950	1884	"	438	1896	"	"
	I				Crane neck	"	"	7 1/2	6	4 7/8	5,030	1884	"	452	1896	"	"
	I				"	"	"	7 1/2	7	4 5/8	6,885	1885	"	463	1896	New boiler and rebuilt, American Fire Engine Company	"
	I				"	Nest tube	"	7 1/2	8	4 5/8	8,250	1886	La France Fire Engine Company	108	1897	" La France Fire Engine Company	"
	I				"	Sectional coil tube	"	7 1/2	7	4 7/8	6,740	1886	Clapp & Jones Manufacturing Company	473	1893	New boiler and rebuilt, Clapp & Jones Manufacturing Company	"
	I				"	"	"	7 1/2	7	4 7/8	7,240	1887	Clapp & Jones Manufacturing Company	491	1893	"	"
	I				"	Nest tube	"	7 3/4	8	4 1/2	8,230	1888	La France Fire Engine Co.	146	1893	"	Engine 18.
	I				"	"	"	7 3/4	8	4 1/2	8,675	1888	"	147	1888	Tubes replaced, La France Fire Engine Company	"
	I				"	"	"	8 1/4	6	4 7/8	7,490	1889	"	165	1896	Repairs, La France Fire Engine Company	"
	I				"	"	"	8 1/4	6	4 7/8	7,490	1889	"	164	1896	"	"
	I				"	"	"	8 1/4	6	4 7/8	7,490	1889	"	163	1896	"	"
	I				"	"	"	8 1/4	6	4 7/8	7,710	1890	"	187	1896	"	"
	I				"	"	"	8 1/4	6	4 7/8	7,720	1890	"	186	1896	"	"
	I				"	Drop tube	"	9	8	5 1/2	8,430	1891	"	544	1896	"	"
	I				"	Nest tube	"	8 1/2	6	4 7/8	7,510	1891	"	202	1896	"	"
	I				"	"	"	8 1/2	6	4 7/8	7,500	1891	"	203	1896	"	"
	I				"	Sectional coil	"	9	8	5 1/2	8,490	1891	Clapp & Jones Manufacturing Company	558	1892	"	"
	I				"	"	"	9	8	5 1/2	8,460	1891	Clapp & Jones Manufacturing Company	559	1892	New set tubes, Clapp & Jones Manufacturing Company	"
	I				"	Nest tube	"	8 3/4	8	4 3/4	8,350	1892	La France Fire Engine Company	224	1892	"	"
	I				"	"	"	8 3/4	8	4 3/4	8,060	1892	La France Fire Engine Company	232	1892	"	"
	I				"	"	"	7 3/4	8	4 1/2	6,882	1892	La France Fire Engine Company	233	1892	"	"

SIZE.					STYLE OF—			SIZE IN INCHES OF—			Weight with Water.	When Built or Placed in Service.	MANUFACTURER'S—		NEW BOILERS, PUMPS, ETC.		WHERE IN SERVICE.
1	2	3	4	5	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.			Name.	Number.	When.	By Whom.	
1	..	..	..	..	Crane neck....	Sectional coil tube.	Double....	9	8	5½	8,155	1892	American Fire Engine Company.....	2,152	..	..	Engine 21.
1	..	..	..	..	"	"	"	9	8	5½	8,360	1893	American Fire Engine Company.....	2,220	..	..	" 20.
1	..	..	..	..	"	"	"	9	8	5½	8,385	1893	American Fire Engine Company.....	2,221	..	..	" 27.
..	..	1	..	..	"	Nest tube.....	"	7¼	8	4½	6,935	1893	La France Fire Engine Company.....	256	..	..	" 58.
..	1	..	..	..	"	"	"	8¼	8	4½	8,170	1893	La France Fire Engine Company.....	257	1896	New patent La France pump received and placed at repair shops.....	" 1.
..	1	..	..	..	"	"	"	8¼	8	4½	7,920	1893	La France Fire Engine Company.....	258	..	..	" 31.
..	..	1	..	..	"	Sectional coil tube..	"	7	7	4½	6,925	1894	American Fire Engine Company.....	2,296	..	..	" 36.
..	..	1	..	..	"	"	"	7	7	4½	6,925	1894	American Fire Engine Company.....	2,297	..	..	" 59.
1	..	..	..	..	"	Nest tube.....	"	8¼	9	5	8,750	1894	La France Fire Engine Co.	298	..	..	" 14.
1	..	..	..	..	"	"	"	8¼	9	5	8,790	1894	"	299	..	..	" 33.
..	..	1	..	..	"	"	"	7¼	8	4½	6,940	1894	"	297	..	..	" 22.
..	..	1	..	..	"	"	"	7¼	8	4½	7,074	1895	"	321	..	..	" 60.
..	..	1	..	..	"	"	"	7¼	8	4½	7,284	1895	"	335	..	..	" 23.
..	..	1	..	..	"	"	"	7¼	8	4½	7,287	1895	"	336	..	..	" 39.
..	..	1	..	..	"	Sub flue.....	"	6½	8	4	7,200	1895	Manchester Locomotive Works.....	714	..	..	" 8.
..	..	1	..	..	"	"	"	6½	8	4	7,184	1895	Manchester Locomotive Works.....	715	..	..	" 53.
..	1	..	..	..	"	Sectional coil tube.	"	8½	7	5	7,530	1896	American Fire Engine Company.....	2,432	..	..	" 44.
1	..	..	..	..	"	Nest tube.....	"	8¼	9	5	9,240	1896	La France Fire Engine Company.....	348	..	..	" 34.
1	..	..	..	..	"	"	"	8¼	9	5½	9,315	1896	La France Fire Engine Company.....	369	..	..	" 24.
1	..	..	..	..	"	Sectional coil tube..	"	9	8	5½	9,225	1895	American Fire Engine Company.....	2,456	..	..	" 9.
1	..	..	..	..	"	"	"	9	8	5½	9,285	1897	American Fire Engine Company.....	2,499	..	..	" 2.
1	..	..	..	..	"	"	"	9	8	5½	9,220	1897	American Fire Engine Company.....	2,500	..	..	" 10.
1	..	..	..	..	"	Nest tube.....	"	8¼	9	5½	9,642	1897	La France Fire Engine Company.....	377	..	..	" 54.
1	..	..	..	..	"	"	"	8¼	9	5½	9,545	1897	La France Fire Engine Company.....	378	..	..	" 29.

Classified Description of Hose Tenders, Hose Wagons, Boat Tenders, Water-Towers, etc.

STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.
2 wheel hose tender.....	Department Repair Shops.....	1887	2	Engine 5.
"	"	1888	3	Spare.
"	"	..	12	Engine 40.
"	"	..	13	Spare.
"	"	..	20	"
"	"	..	21	Engine 27.
"	"	..	27	Spare.
"	"	..	28	"
"	Amoskeag Manufacturing Company.....	..	8	Engine 49.
"	"	..	9	Spare.
"	Allerton Manufacturing Company.....	1869	5	Engine 33.
"	Department Repair Shops.....	1871	29	" 12.
"	"	1871	30	" 49.
"	"	1872	32	Spare.
"	"	1876	36	Engine 26.
4-wheel hose tender.....	"	1877	38	" 26.
2-wheel hose tender.....	"	1879	39	" 26.
"	"	1880	41	" 18.
4-wheel hose tender.....	"	1881	42	Spare.
"	Fire Extinguisher Manufacturing Company.	1882	43	"
"	"	1882	45	"
"	"	1882	46	"
"	"	1882	34	"
"	P. J. Nevins.....	1882	49	Engine 48.
2-wheel hose tender.....	Department Repair Shops.....	1882	44	Spare.
"	"	1883	50	Engine 13.
4-wheel hose tender.....	J. U. Bauchelle.....	1883	51	Spare.
"	"	1883	54	"
"	"	1883	56	Engine 42.
"	"	1883	57	" 45.
"	"	1883	58	" 47.
"	"	1883	59	" 50.
"	Fire Extinguisher Manufacturing Company..	1884	60	Spare.
"	"	1884	62	"
"	"	1884	63	"
"	"	1884	64	"
"	"	1884	65	"
"	"	1885	66	Engine 52.
2-wheel hose tender.....	Department Repair Shops.....	1885	67	" 49.
"	"	1886	71	Spare.
4-wheel hose tender.....	Gleason & Bailey Manufacturing Company..	1886	69	Engine 31.
"	"	1886	70	Spare.
"	"	1886	72	"
"	"	1886	73	Engine 39.
4-wheel hose tender.....	Gleason & Bailey Manufacturing Company..	1886	73	Engine 39.

STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.
4-wheel hose tender.....	Gleason & Bailey Manufacturing Company..	1886	74	Spare.
"	"	1887	76	"
"	"	1887	77	Engine 2.
"	William Cole & Co.....	1887	75	" 46.
"	Gleason & Bailey Manufacturing Company..	1888	79	" 44.
"	"	1888	80	" 8.
"	"	1888	81	" 7.
"	"	1888	82	" 15.
"	"	1888	78	" 28.
"	"	1889	84	" 6.
"	"	1889	85	" 35.
"	"	1889	87	" 56.
"	"	1889	83	" 16.
4-wheel hose wagon.....	E. B. Preston & Co.....	1889	1	" 38.
"	"	1889	2	Hook and Ladder 19.
"	Gleason & Bailey Manufacturing Company..	1890	3	Engine 24.
"	"	1890	4	" 4.
"	"	1890	5	Spare.
"	"	1890	6	Engine 30.
"	"	1890	7	Spare.
"	"	1890	8	Engine 20.
"	"	1890	9	Spare.
"	"	1890	10	Boat Tender, Engine 19.
"	Repair Shops.....	1891	11	Engine 41.
"	Gleason & Bailey Manufacturing Company..	1891	12	" 5.
"	"	1891	13	" 18.
"	"	1891	14	" 1.
"	"	1891	15	" 19.
"	"	1891	16	" 17.
"	"	1891	17	" 16.
"	"	1891	18	" 9.
"	"	1891	19	" 25.
"	"	1892	20	" 12.
"	"	1892	21	" 34.
"	"	1892	22	" 11.
"	"	1892	23	" 32.
"	"	1892	24	" 3.
"	"	1892	25	" 40.
"	"	1892	26	" 55.
"	"	1892	27	" 21.
"	"	1893	28	" 58.
"	"	1893	29	" 29.
"	"	1893	30	" 27.
"	"	1893	31	" 31.
"	"	1894	32	" 22.

STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.	SIZE.	STYLE.	LONGEST LADDER.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.
4-wheel hose wagon.....	Gleason & Bailey Manufacturing Company..	1894	33	Engine 36.	1	2	3				
"	"	1894	34	" 59.	1	2	3				
"	Rumsey & Co.....	1894	35	" 14.	1	2	3	Roller frame	89 feet extension.	1896	53 { Hook and Ladder 20.
"	"	1894	36	" 33.	1	2	3	{ Two-wheel hand truck.....	40 "	1896	4 { Engine 49.
"	P. Barrett, Son & Co	1895	38	" 15.	1	2	3	{ Two-wheel hand truck.....	40 "	1896	5 { " 49.
"	"	1895	39	" 13.	1	2	3	{ Four-wheel wrecking truck }		1879	1 { Hook and Ladder 11.
"	"	1895	40	" 26.							
"	"	1895	41	" 35.							
"	"	1895	42	" 45.							
"	"	1895	43	" 23.							
"	"	1895	44	" 28.							
"	"	1895	45	" 39.							
"	"	1895	46	" 53.							
"	"	1895	47	" 50.							
"	Gleason & Bailey Manufacturing Company..	1896	48	" 6.							
"	"	1896	49	" 61.							
"	"	1896	50	" 64.							
"	"	1896	51	" 24.							
"	"	1896	52	" 7.							
"	Rumsey & Co.....	1897	53	" 2.							
"	"	1897	54	" 10.							
"	"	1897	55	" 54.							
"	"	1897	56	" 29.							
4-wheel double-reel boat tender.....	Department Repair Shops.....	1889	1	Hook and Ladder 15.							
4-wheel water tower.....	A. Greenleaf.....	1883	2	Spare.							
"	Fire Extinguisher Manufacturing Company.	1885	3	"							
"	Kansas City Supply Company.....	1890	4	Hook and Ladder 21.							
"	"	1892	5	Hook and Ladder 3.							
"	Fire Extinguisher Manufacturing Company.	1895	6	Engine 31.							
4-wheel water-tank	Department Repair Shops.....	1883	1	Spare.							

Classified Description of Hook and Ladder Trucks.

SIZE.	STYLE.	LONGEST LADDER.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.
1	2	3				
1	1	Goose neck.....	40 feet.....	1865	4	Engine 49.
1	1	"	30 "	1865	5	Spare.
1	1	Roller frame	70 feet extension.	1869	6	Hook and Ladder 15.
1	1	"	65 "	1869	7	Hook and Ladder 5.
1	1	"	70 "	1872	11	Spare.
1	1	"	70 "	1872	36	Hook and Ladder 13.
1	1	"	65 "	1872	12	Hook and Ladder 18.
1	1	"	50 "	1877	16	Spare.
1	1	"	73 "	1879	18	"
1	1	"	65 "	1881	19	"
1	1	"	50 "	1882	20	Hook and Ladder 5.
1	1	"	50 "	1882	22	Engine 50.
1	1	"	50 "	1882	23	Hook and Ladder 19.
1	1	"	50 "	1882	21	Engine 48.
1	1	"	50 "	1883	27	" 38.
1	1	"	73 "	1883	24	Hook and Ladder 6.
1	1	"	70 "	1883	25	Spare.
1	1	"	50 "	1885	29	Hook and Ladder 19.
1	1	Turn-tables	85 "	1886	30	Hook and Ladder 3.
1	1	"	85 "	1886	31	Hook and Ladder 12.
1	1	"	85 "	1887	32	Hook and Ladder 16.
1	1	"	75 "	1888	34	Hook and Ladder 14.
1	1	Roller frame	70 "	1890	37	Hook and Ladder 21.
1	1	Turn-tables	85 "	1891	38	Hook and Ladder 7.
1	1	Roller frame	75 "	1892	39	Hook and Ladder 1.
1	1	"	70 "	1892	40	Hook and Ladder 8.
1	1	"	70 "	1892	41	Hook and Ladder 9.
1	1	"	85 "	1893	42	Hook and Ladder 4.
1	1	"	60 "	1893	43	Hook and Ladder 17.
1	1	"	70 "	1893	44	Hook and Ladder 20.
1	1	"	70 "	1894	45	Hook and Ladder 13.
1	1	"	60 "	1894	47	Hook and Ladder 22.
1	1	Turn-tables.....	85 "	1894	46	Hook and Ladder 2.
1	1	{ Two-wheel hand truck.....	50 feet extension.	1894	1	Engine 49.
1	1	{ Two-wheel hand truck.....	50 "	1894	2	" 49.
1	1	{ Two-wheel hand truck.....	50 "	1894	3	" 49.
1	1	Roller frame	40 "	1895	48	" 48.
1	1	"	40 "	1895	49	" 52.
1	1	"	70 "	1895	50	Hook and Ladder 11.
1	1	"	40 "	1896	51	Engine 61.
1	1	"	40 "	1896	52	" 62.

DESCRIPTION OF FIRE-BOATS.

"William F. Havemeyer" (Engine 42).

Length over all, 106 feet; beam, 21 feet; draught, 11 feet; hull, wood; tonnage, 110.94; horse-power, 375; 1 low-pressure condensing engine; diameter, 26 inches; stroke, 26 inches; 1 boiler—Cowles water-tube; steam pressure, 167 lbs.; single screw; pumps, double, 11-12-5, 11-12-5; capacity of each, 1,000 gallons per minute—2,000 gallons; Amoskeag Manufacturing Company, constructors; built, 1875; cost, \$30,000.

"Zophar Mills" (Engine 51).

Length over all, 120 feet; beam, 25 feet; draught, forward, 9 feet; aft, 12 feet; hull, iron; tonnage, 185.49; horse-power, 575; 1 condensing engine; diameter, 30 inches; stroke, 30 inches; 2 boilers—locomotive pattern; steam pressure, 65 lbs.; single screw; pumps, double, 16-9-7½, 16-9-7½; capacity of each, 1,500 gallons per minute—3,000 gallons; Clapp & Jones Manufacturing Company, constructors; built, 1882; cost, \$45,800.

"The New Yorker" (Engine 57).

Length over all, 125.5 feet; beam, 26 feet; draught, forward, 9 feet; aft, 12 feet; hull, steel; tonnage, 243.37; horse-power, 800; 1 triple-expansion engine; cylinders—high pressure, 15 inches; intermediate, 24 inches; low, 39 inches; stroke, 24 inches; 2 boilers—Scotch pattern; steam pressure, 148 lbs.; single screw; pumps, double, 16½-11-10, 17-11-10; capacity of each, 6,500 gallons per minute—13,000 gallons; La France Fire Engine Company and Clapp & Jones Manufacturing Company, constructors; built, 1891; cost, \$98,000.

CHEMICAL ENGINE AND COMBINATION CHEMICAL ENGINE AND HOSE WAGONS.

Chemical Engine, registered No. 1; double cylinders, 60 gallons each; built in 1896 by Fire Extinguisher Manufacturing Company; Hook and Ladder 22.

Combination Chemical Engine and Hose Wagon, registered No. 2, single cylinder, 60 gallons; built in 1896 by Charles T. Halloway; Engine 63.

Combination Chemical Engine and Hose Wagon, registered No. 3; single cylinder, 60 gallons; built in 1896 by Fire Extinguisher Manufacturing Company; Engine 61.

HORSES.

Number on hand at last report..... 457
Purchased since..... 77

Total..... 534
Died..... 13
Sold..... 42
55

December 31, 1897, on hand..... 479

NEW SITES.

The following new sites were acquired by purchase during the year:

On the north side of Maiden Lane, near Pearl and Fletcher streets, known as Nos. 119 Maiden Lane and 3 Fletcher street, in the Second Ward, 25 feet by 75 feet, cost \$47,400. Private purchase.

On the north side of Great Jones street, between Lafayette place and the Bowery, in the Fifteenth Ward, 45 feet by 90 feet; acquired by condemnation proceedings; cost, \$60,828.60.

The following new sites were also applied for, and condemnation proceedings to acquire them begun:

1. On northerly side of Seventy-fifth street, and the southerly side of Seventy-sixth street, between Amsterdam avenue and the Boulevard, in the Twenty-second Ward, 25 feet by 204 feet. These sites are in lieu of lot on south side of Seventy-fourth street, near Amsterdam avenue, mentioned in report of 1896.

2. On the northerly side of Main street, between Arnow place and Eastchester road, in the Twenty-fourth Ward, Westchester, 50 feet by 95 feet.

3. On the northerly side of Schofield avenue, east of Main street, in the Twenty-fourth Ward, 50 feet by 118 feet 7½ inches; City Island.

4. On the southerly side of Broome street, between Mott and Elizabeth streets, in the Fourteenth Ward, 23 feet 7 inches by 103 feet 6 inches. This site is in lieu of lot on westerly side of Mott street, near Grand street, mentioned in report of 1896.

5. On the north side of Thames street, near Temple street, in the First Ward, 25 feet by 50 feet; situated in rear of present quarters of Engine 6, to make room for enlargement of engine-house.

6. On the north side of West Thirty-third street, near Sixth avenue, in the Twentieth Ward, 50 feet by 100 feet.

NEW BUILDINGS.

Contracts have been awarded, and engine-houses are in process of construction, as follows:

At No. 33 West Forty-third street; contract price, \$23,449.

On south side of One Hundred and Fortieth street, west of Amsterdam avenue; contract price, \$21,577.

On south side of One Hundred and Seventieth street, east of Audubon avenue; contract price, \$22,000.

On east side of Forest avenue, north of One Hundred and Sixtieth street; contract price, \$15,878.

On easterly side of Ogden avenue, north of Devoe street; contract price, \$17,500.

On north side of Grand avenue (East Two Hundred and Thirty-third street), about 500 feet east of Katonah avenue; contract price, \$15,686.

Architects' fees (five per cent.) are not included in contract prices.

A new building, to be used as a storehouse for Engine 57, was erected in the Battery Park.

ALTERATIONS AND REPAIRS TO BUILDINGS.

Extensive alterations and repairs, under contract, were made to quarters of Engines 9, 19, 20, 30 and 52, Hook and Ladder 9 and the Hospital and Training Stable.

Extensive alterations and repairs were made to quarters of Engines 1, 3, 6, 8, 13, 19, 22, 23, 24, 32, and 62, and Hook and Ladder 12, 16 and 20, and to Headquarters.

Ordinary repairs, involving various kinds of mechanical work in buildings of the Department, aggregating 212 different jobs.

BUILDINGS AND SITES OCCUPIED BY OR UNDER CONTROL OF THE DEPARTMENT.

Headquarters—Office of Commissioners, Bureaus—Chief of Department, Inspector of Combustibles, Fire Marshal and Fire-alarm Telegraph and Electrical Appliances, and Offices of Attorney, Medical Officers, Buildings Superintendent and Purchasing Agent, Nos. 157 and 159 East Sixty-seventh street, with drill yard and storeroom in rear extending to Sixty-eighth street.

Night quarters, Chief of Department, No. 100 East Seventeenth street.*

Headquarters, Deputy Chief of Department (First District), No. 155 Mercer street (Hook and Ladder 20 in same building), at No. 157 Mercer street.

Headquarters, Deputy Chief of Department (Second District), No. 165 West Twenty-ninth street (Engine 1).

Headquarters, Deputy Chief of Department (Third District), No. 235 West Fifty-eight street (Engine 23).

Repair Shops, Nos. 130 and 132 West Third street.

Hospital and Training Stables, Nos. 133 and 135 West Ninety-ninth street.

Bell-tower and lookout, Mount Morris Square.

Lookout, southwest corner of Tenth street and Sixth avenue (Jefferson Market Court-house).

Engine 1, No. 165 West Twenty-ninth street.

2, No. 530 West Forty-third street. (Fuel Depot 13.)

3, No. 417 West Seventeenth street. (Fuel Depot 10.)

4, Old Slip and Front street (temporary quarters with Hook and Ladder 15).

5, No. 340 East Fourteenth street.

The locations marked thus (*) are leased by the Department; all others are city property.

Engine	6, No. 100 Cedar street.
"	7, No. 22 Chambers street.†
"	8, No. 165 East Fifty-first street.
"	9, No. 55 East Broadway.
"	10, No. 8 Stone street.
"	11, No. 437 East Houston street.
"	12, No. 261 William street.
"	13, No. 99 Wooster street.
"	14, No. 14 East Eighteenth street.
"	15, No. 269 Henry street.
"	16, No. 223 East Twenty-fifth street.
"	17, No. 91 Ludlow street.
"	18, No. 132 West Tenth street. (Fuel Depot 8.)
"	19, No. 355 West Twenty-fifth street. (Fuel Depot 11.)
"	20, No. 47 Marion street.
"	21, No. 216 East Fortieth street.
"	22, No. 159 East Eighty-fifth street. (Fuel Depot 16.)
"	23, No. 235 West Fifty-eighth street. (Fuel Depot 15.)
"	24, No. 78 Morton street. (Fuel Depot 7.)
"	25, No. 342 Fifth street.
"	26, No. 220 West Thirty-seventh street.
"	27, No. 173 Franklin street.
"	28, No. 604 East Eleventh street.
"	29, No. 160 Chambers street.
"	30, No. 253 Spring street.* (Fuel Depot 6.)
"	31, Northeast corner White and Elm streets.
"	32, No. 108 John street.*
"	33, No. 15 Great Jones street.
"	34, No. 440 West Thirty-third street.
"	35, No. 223 East One Hundred and Nineteenth street.
"	36, No. 1849 Park avenue.
"	37, No. 83 Lawrence street.
"	38, No. 1907 Amsterdam avenue.
"	39, No. 157 East Sixty-seventh street. (Department Headquarters and Hook and Ladder 16 in same building.)
"	40, No. 153 West Sixty-eighth street.
"	41, No. 2801 North Third avenue.‡
"	42, No. 1192 Fulton avenue.
"	43 (Fire-boat "William F. Havemeyer"), foot of Grand street, East river.
"	44, No. 221 East Seventy-fifth street.
"	45, No. 1187 Tremont avenue.
"	46, Nos. 715 and 717 East One Hundred and Seventy-sixth street.
"	47, West One Hundred and Thirteenth street, 75 feet west of Amsterdam avenue.
"	48, No. 2504 Webster avenue. (Temporary quarters, Kingsbridge road.)*
"	49, Blackwell's Island.
"	50, No. 749 East One Hundred and Sixty-sixth street. (Fuel Depot 22.)
"	51 (Fire-boat "Zophar Mills"), between Little Twelfth and Bloomfield streets, North river.
"	52, Riverdale avenue, near junction of Westchester avenue.
"	53, No. 175 East One Hundred and Fourth street. (Fuel Depot 18.)
"	54, No. 304 West Forty-seventh street.
"	55, No. 173 Elm street.
"	56, No. 120 West Eighty-third street.
"	57 (Fire-boat "The New Yorker"), Castle Garden.
"	58, No. 81 West One Hundred and Fifteenth street.
"	59, No. 180 West One Hundred and Thirty-seventh street.
"	60, No. 606 East One Hundred and Thirty-seventh street.
"	61, Westchester.
"	62, Williamsbridge.
"	63, Wakefield.*
"	64, Unionport.
Hook and Ladder	1, No. 26 Chambers street.†
"	2, No. 126 East Fiftyth street. (Fuel Depot 14.)
"	3, No. 108 East Thirteenth street.
"	4, No. 788 Eighth avenue.
"	5, No. 96 Charles street.
"	6, No. 77 Canal street.
"	7, No. 217 East Twenty-eighth street.
"	8, No. 7 North Moore street.
"	9, No. 209 Elizabeth street.
"	10, No. 191 Fulton street.
"	11, No. 742 Fifth street.
"	12, No. 243 West Twentieth street.
"	13, No. 159 East Eighty-seventh street.
"	14, No. 120 East One Hundred and Twenty-fifth street.
"	15, Old Slip, between Water and Front streets.
"	16, No. 159 East Sixty-seventh street. (Department Headquarters and Engine 39 in same building.)
"	17, No. 589 East One Hundred and Forty-third street. (Fuel Depot 21.)
"	18, No. 84 Attorney street.
"	19, No. 1183 Ogden avenue.*
"	20, No. 157 Mercer street. (Fuel Depot 23.)
"	21, No. 432 West Thirty-sixth street.
"	22, No. 766 Amsterdam avenue. (Fuel Depot 17.)
Fuel Depot	1, No. 28 Beaver street.†
"	2, No. 5 Duane street.
"	3, No. 304 Washington street.
"	4, No. 180 Clinton street.
"	5, No. 199 Chrystie street.
"	6 (see Engine 30).
"	7 (see Engine 24).
"	8 (see Engine 18).
"	9, No. 106 East Thirteenth street.
"	10 (see Engine 3).
"	11 (see Engine 19).
"	12, No. 160 East Thirty-third street.
"	13 (see Engine 2).
"	14 (see Hook and Ladder 2).
"	15 (see Engine 23).
"	16 (see Engine 22).
"	17 (see Hook and Ladder 22).
"	18 (see Engine 53).
"	19, No. 209 East One Hundred and Twenty-second street.
"	20, No. 58 Lawrence street.
"	21 (see Hook and Ladder 17).
"	22 (see Engine 50).
"	23, No. 155 Mercer street. (See Hook and Ladder 20.)
Storehouse,	No. 20 Eldridge street.
"	No. 180 Clinton street. (Fuel Depot 4.)
"	No. 199 Chrystie street. (Fuel Depot 5.)
"	No. 1922 Lilian street (formerly Division street), near Boston road.
"	No. 160 East Thirty-third street. (Fuel Depot 12.)
Unoccupied,	East Two Hundred and Thirty-third street, near Katonah avenue (Woodlawn Heights).†
"	north side One Hundred and Forty-ninth street, near New Trinity avenue.
"	south side One Hundred and Fortieth street, 125 feet west of Amsterdam avenue.†
"	south side One Hundred and Seventieth street, 95 feet east of Audubon avenue.†
"	east side Ogden avenue, 195 feet north of Devoe street.†
"	east side Forest avenue, 454 feet west of Denham place (formerly New street).†
"	south side One Hundred and Fiftieth street, 100 feet west of Courtlandt avenue.
"	northwest corner of Prospect avenue and Kelly street, two lots.
"	south side of One Hundred and Thirty-eighth street, 302 feet 2½ inches west of Cypress avenue, two lots.
"	northeast corner of One Hundred and Fifty-ninth street and Railroad avenue, East, two lots.
"	north side of Forty-third street, 482 feet 6 inches east of Sixth avenue, one lot.†
"	south side of Twelfth street, 100 feet west of University place, one lot.

The locations marked thus (*) are leased by the Department; all others are city property. The locations marked thus (†) are only in part occupied by the Department. At the locations marked thus (‡) lots in rear or adjacent are leased by the Department. On unoccupied sites marked (‡) apparatus houses are now in process of construction.

RECEIPTS AND DISBURSEMENTS OF THE RELIEF FUND, 1871 TO 1897 (INCLUSIVE).

Receipts.

FROM	1871 TO 1896.	1897.	TOTAL.
Metropolitan Fire Department Relief Fund.....	\$7,340 07	.....	\$7,340 07
Fines.....	37,577 04	\$1,866 94	39,443 98
Donations.....	14,070 00	1,859 69	15,929 69
Penalties.....	14,543 10	872 50	15,415 60
Oil licenses.....	916,092 00	43,500 00	959,592 00
Fireworks permits.....	20,990 25	2,675 00	23,665 25
Interest.....	497,289 09	25,232 00	522,521 09
Foreign insurance tax.....	112,635 73	54,777 06	167,412 79
Powder licenses.....	5,810 50	255 00	6,065 50
Special permits.....	21,670 00	3,222 00	24,892 00
Thimney fires.....	10,881 50	955 00	11,836 50
Fire in street permits.....	882 25	13 50	895 75
Sales seized combustibles.....	225 45	47 33	272 78
Sales sample oils.....	88 41	.....	88 41
Sales condemned horses, etc.....	23,989 92	2,931 58	26,921 50
Excise licenses.....	915,872 50	457,680 10	1,373,552 60
Absences without leave.....	1,853 16	.....	1,853 16
Special leaves.....	40,203 14	3,064 66	43,267 80
New York State Dairy Commission.....	8,978 75	.....	8,978 75
Permits for sale, use, etc., of explosives.....	10,834 00	2,193 00	13,027 00
Premium on bonds.....	8,277 50	.....	8,277 50
Refund of pensions.....	158 64	.....	158 64
Refund of expenses.....	155 85	.....	155 85
	\$2,669,424 85	\$601,145 36	\$3,270,570 21

Disbursements.

	1871 TO 1896.	1897.	TOTAL.
Premiums on City bonds.....	\$11,150 00	\$17,972 86	\$29,122 86
Interest.....	498 63	.....	498 63
Salaries.....	18,227 31	.....	18,227 31
Expense account.....	17,679 89	85 25	17,765 14
Pay of relieved men.....	596,838 96	69,206 83	666,045 79
Pensions of retired men.....	786,627 25	104,127 70	890,754 95
Pensions of widows and orphans.....	599,641 78	59,411 27	659,053 05
Fines remitted.....	23 00	.....	23 00
Totals.....	\$2,030,686 82	\$250,803 91	\$2,281,490 73

RECAPITULATION.

Receipts, January 1, 1871, to December 31, 1897.....	\$3,270,570 21
Disbursements, January 1, 1871, to December 31, 1897.....	2,281,490 73
Balance.....	\$989,079 48

CONTRIBUTIONS TO THE RELIEF FUND.

January 2. Siegel-Cooper Company.....	\$1 00 00
January 2. John H. Little & Co.....	50 00
June 16. Anonymous.....	100 00
June 16. Manhattan Fire Alarm Company.....	92 00
July 16. Charles A. Schieren & Co.....	100 00
August 11. Proceeds Bicycle Tournament.....	417 69
December 2. Mrs. A. B.....	500 00
December 2. Miss I.....	500 00
	\$1,859 69

RECEIPTS AND DISBURSEMENTS OF THE NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND—1871 TO 1897.

Receipts.

1871 to 1896, inclusive.....	\$378,960 87
1897.....	25,632 00
Total receipts.....	\$404,592 87

Disbursements.

1871 to 1896, inclusive.....	\$370,000 00
1897.....	20,000 00
	390,000 00
December 31, 1897, balance on hand.....	\$14,592 87

NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND.

December 31, 1896, balance on hand.....	\$8,960 87
December 31, 1897, receipts for assessments.....	25,632 00
	\$34,592 87

December 31, 1897, disbursements:

Administrator of Peter Prunty.....	\$1,000 00
Widow of John Ankner.....	1,000 00
Widow of Charles Adams.....	1,000 00
Administrator of Thomas Connolly.....	1,000 00
Widow of John H. Watson.....	1,000 00
Widow of Frank Shay.....	1,000 00
Widow of George C. Volkhart.....	1,000 00
Widow of John H. White.....	1,000 00
Widow of Philip S. Sheridan.....	1,000 00
Widow of John G. Reinhardt.....	1,000 00
Widow of John Quigg.....	1,000 00
Administrator of Thomas E. Schiel.....	1,000 00
Widow of William H. Landers.....	1,000 00
Widow of John P. Shaughnessy.....	1,000 00
Widow of Frederick J. Rothenhauser.....	1,000 00
Widow of Asa J. Henderson.....	1,000 00
Administrator of Julius Chenu.....	1,000 00
Widow of John J. McNamara.....	1,000 00
Widow of James McNamee.....	1,000 00
Administrator of Thomas Larkin, No. 1.....	1,000 00
	20,000 00

December 31, 1897, balance..... \$14,592 87

BOARD OF PUBLIC IMPROVEMENTS.

The Board of Public Improvements of The City of New York met at the office of the Board, No. 346 Broadway, on Wednesday, August 24, 1898, at 2 o'clock P. M., pursuant to notice.

The roll was called and the following members were present and answered to their names:

The Commissioner of Water Supply, the Commissioner of Highways, the Commissioner of Street Cleaning, the Commissioner of Public Buildings, Lighting and Supplies, the Commissioner of Bridges, the President of the Borough of Manhattan, the President of the Borough of The Bronx, the President of the Borough of Brooklyn and the President of the Board.

The minutes of the meeting of August 17, 1898, were read and approved.

The following communication from the Commissioner of Highways was read:

DEPARTMENT OF HIGHWAYS—COMMISSIONER'S OFFICE,
No. 150 NASSAU STREET,
NEW YORK, August 23, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements:

DEAR SIR—In response to a strong appeal from representatives of the large department stores on the section of Sixth avenue between Thirteenth and Twenty-third streets, known as the "shopping district," I, on the 18th instant, addressed a communication to the Board of Estimate and Apportionment requesting a special appropriation of \$51,000 for paving that part of Sixth avenue, outside the car tracks, with asphalt. Yesterday the Board of Estimate and Apportionment, recognizing the necessity for this improvement, added this amount to the appropriation made to this Department for "Repaving Streets and Avenues" for 1898.

Pursuant to the provisions of section 524, subdivision 6, of the City Charter, I therefore recommend that the carriageway of Sixth avenue, from Thirteenth to Twenty-third street, be repaved with asphalt pavement, and that the contractor be required to give a guarantee of maintenance for fifteen (15) years.

In compliance with the first subdivision of section 230 of the Charter, I attach hereto my certificate to the Municipal Assembly that the safety, health or convenience of the public requires that the improvement be made.

In conformity with section 417 of the Charter, I respectfully ask the Board of Public Improvements to approve and adopt the accompanying resolution, and to transmit it with my certificate to the Municipal Assembly for action by that body.

Very respectfully,

JAMES P. KEATING, Commissioner of Highways.

And the following resolution was adopted:

Resolved, That, in pursuance of section 413, chapter 378, Laws of 1897, and with the concurrence of the Municipal Assembly, that authority be and is hereby given to the Commissioner of Highways to enter into a contract by public letting for repaving with asphalt the carriageway of Sixth avenue, from Thirteenth to Twenty-third street, Borough of Manhattan, from the railroad tracks to the curb, and that the contractor be required to give a guarantee of maintenance for a period of fifteen years.

Affirmative—Commissioners of Water Supply, Highways, Street Cleaning, Public Buildings, Lighting and Supplies, Bridges, and President of the Board.

Negative—None.

The following communication from the Comptroller was read:

NEW YORK, August 24, 1898.

To the Honorable the Board of Public Improvements of The City of New York:

GENTLEMEN—I am in receipt, under date of August 17, and at the hands of the Secretary of your Honorable Board, of a copy of preamble and resolutions passed at the meeting of July 27 last, and reading as follows:

Whereas, Six certain resolutions, directing the advertising for proposals for grading and paving Regent place, Pacific street, Park place, Himrod street, Eighty-fourth street and Avenue B, in the Borough of Brooklyn, were, on July 20 last, referred to the Comptroller for advice as to whether or not he has funds available to satisfy such contracts if made; and

Whereas, This Board has been referred to opinions of the Corporation Counsel of April 25 to the Comptroller, and of May 27 and July 15 to the Commissioner of Highways, as bearing upon the subject;

Resolved, That copies of such opinions be transmitted to the Comptroller, with request that he advise us, obtaining thereon, if necessary, the opinion of the Corporation Counsel—

1. Whether or not the said six contracts, being for improvements, the proceedings for which were begun prior to January 1, 1898, may be entered into and certified, under the laws in force in Brooklyn when said improvement proceedings were begun, or under existing laws, where one-third of the amount of the assessment is paid in; and

2. Whether or not he has any moneys, and if so, how much, constituting a street improvement fund, applicable to street improvements generally; or applicable to certain boroughs of the city, and if the latter, how much to each; and

3. Whether or not funds paid in on account of improvements are applicable (a) only to the particular improvement upon which they are so paid, or (b) to improvements generally in the borough, or (c) to improvements generally in the city at large, and (d), further, whether the application directed in answer to the foregoing relates to new improvements or only to those begun before January 1, 1898.

Aside from such details as relate simply to the condition of funds of the consolidated territories specifically referred to, the answers to the foregoing questions are entirely to be obtained through an interpretation of the law bearing on the same. To such an extent as the points indicated have already been passed upon by the Corporation Counsel, I am prepared to act in accordance therewith, so far as the financial condition of the proper funds will permit.

The above resolutions refer directly to six resolutions, introduced at a previous meeting of the Board, concerning original street improvements for grading and paving in the Borough of Brooklyn, as follows:

Regent place, from Flatbush to Ocean avenue.
Pacific street, from Schenectady to Utica avenue.
Park place, from Troy to Schenectady avenue.
Himrod street, from Irving to Wyckoff avenue.
Eighty-fourth street, from Fourth to Seventh avenue.
Avenue B, from Flatbush avenue to Ocean Parkway.

The resolutions ask whether or not the said six contracts, being for improvements, the proceedings for which were begun prior to January 1, 1898, may be entered into and certified under the laws in force when said improvement proceedings were begun, or under existing laws, where one-third of the amount of the assessment is paid in.

Accompanying the resolutions transmitted to me by your Honorable Body I find copies of two opinions by the Corporation Counsel to Hon. James P. Keating, Commissioner of Highways; one, under date of May 27, referring to the Winthrop street improvement, and the second, under date of July 15, which latter reads as follows:

JULY 15, 1898.

Honorable JAMES B. KEATING, Commissioner of Highways:

SIR—I have received your communication, which reads as follows:

"Last year a petition was presented by the owners of property on the line of Ocean avenue, Borough of Brooklyn, to have that avenue curbed and macadamized with concrete sidewalks eight feet in width, the entire cost of the work to be assessed on the property benefited.

"There being two Avenues E in the Twenty-ninth Ward, through which Ocean avenue runs, a misunderstanding arose as to the extent of the improvement, hence the proceedings were delayed and had to be commenced again from the initial stage. In due course the assessment for this improvement was confirmed and became a lien upon the property, and about \$15,000 of the assessment was paid in by the property-owners. This is but about \$9,000 less than one-third the estimated cost of the improvement (\$72,000), and the property-owners affected signify their willingness to pay an additional \$45,000 within ten days, which would make the aggregate amount paid by them \$60,000, or five-sixths of the entire estimated cost. This promise is made, however, on the condition that assurance shall be given the property-owners that immediate steps will be taken to make a contract for the work and to have the same carried out this season. As matters are at present, the property-owners who have already paid are uncertain as to whether or not they will find it necessary to sue the City to recover the amounts paid by them, and those who have not paid cannot be induced to do so until positive assurance is received that the work will be undertaken in the near future. Moreover, the unpaid assessments are being steadily increased by interest at the rate of nine per cent. per annum, which is a source of great dissatisfaction among the property-owners. If this additional sum were to be paid as promised, the deficiency to be advanced by the City would be only about \$12,000, to be raised by the issue of bonds, in accordance with the provisions of section 181 of the City Charter.

"The Twenty-ninth Ward Taxpayers' Association have made an urgent request to have this improvement authorized and proceeded with as early as possible.

"Under the provisions of the charter of the late City of Brooklyn, it was the duty of the Collector of Taxes and Assessments, as soon as one-third of the estimated cost of a public improvement had been paid into his hands, to certify that fact to the Commissioner of City Works, who thereupon prepared and had introduced to the Common Council a resolution to authorize the making of a contract for said work.

"I desire to know if this provision of law is continued in force by the Charter of The City of New York. If this is still the legal method of authorizing assessment works, the Collector of Taxes and Assessments ought to certify to the Commissioner of Highways or to the Board of Public Improvements that he has received one-third of the estimated cost of curbing and macadamizing Ocean avenue as soon as about \$9,000 more shall be paid to him by the property-owners on the line of that improvement.

"If this provision of law has been superseded by the new Charter I should like to be advised as to whether or not, if the property-owners should pay in the additional \$45,000 promised, the Comptroller could legally pay the deficiency of about \$9,000 from moneys already paid into the 'Street Improvement Fund,' or if no such moneys are available, by the issue of bonds for the requisite amount, as provided in section 181 of the City Charter."

In reply thereto I would say, that in an opinion given by me to the Comptroller on the day of

last, I held that the "Street Improvement Fund" of the City of New York could be drawn upon as provided in section 181 of the Greater New York Charter for the carrying out and completion of contracts for local improvements in the Borough of Brooklyn. The proceeding for improving Ocean avenue was begun under the City of Brooklyn and has been carried to that point where the estimated cost of the work has been in a large part collected and paid into the city treasury, which in this instance means paid into the Street Improvement Fund. I am of opinion that this improvement should be completed in accordance with the laws in force at the time it was begun, in so far as that it will be necessary to collect one-third of the estimated total cost of the improvement before a contract for the work can be entered into. There would seem to be no difficulty in collecting the required amount. Of course, no city officer or department could give any assurance to the property-owners that immediate steps will be taken to make a contract for the work and to have the same carried out this season, but I have no doubt that such property-owners will receive prompt consideration from the officers having control of the matter.

In answer to your question as to whether the Collector of Taxes and Assessments ought to certify to the Commissioner of Highways, or to the Board of Public Improvements, that he has received one-third of the estimated cost of curbing and macadamizing Ocean avenue as soon as he has received such amount, I would say that, inasmuch as no contract has yet been authorized for this work, for the reason that the Charter of the City of Brooklyn expressly forbade such action until one-third of the assessment should be collected, the Collector of Taxes and Assessments should certify the fact of the collection to the Board of Public Improvements, and thereupon the Board of Public Improvements should authorize the Commissioner of Highways to enter into such contract and to carry out the improvement.

This opinion makes clear the duty of the Board of Public Improvements, namely, that it should authorize the Commissioner of Highways to enter into a contract for the improvement of Ocean avenue whenever one-third of the assessment has been paid in, and, by implication, permits the Comptroller to certify such a contract from the Street Improvement Fund of The City of New York.

Upon an investigation of the facts concerning the six contracts, alluded to in the resolutions submitted to me, I find the facts to be the same in every particular as those connected with the assessment proceedings for the improvement of Ocean avenue, more than one-third of the different assessments having been paid in every case.

On January 1, 1898, there were twenty-five original grading and paving street improvements in Brooklyn for which assessments had been laid, a large amount of said assessments collected, and practically no work done by the previous administration. I have already indicated to this Honorable Board in a communication to Hon. Edward M. Grout, President of the Borough of Brooklyn, the condition of these improvements under date of July 1, and an amended statement brought up to date of August 17 is submitted herewith.

These Brooklyn improvements, according to the steps reached in their progress to completion on January 1, 1898, may be divided into five classes:

First—Those improvements upon which more than one-third of the assessments had been paid in, a contract let therefor, and the contract partially certified by the former Comptroller of Brooklyn.

Second—Improvements upon which more than one-third of the assessments had been paid in, contracts let therefor, but the contracts not certified by the former Comptroller.

Third—An improvement upon which more than one-third of the assessments had been paid in and bids asked for, but no contract let.

Fourth—Improvement upon which more than one-third of the assessments had been paid in, but no bids asked or contracts let.

Fifth—Improvements upon which assessments had been collected, but not to the amount of one-third of the total assessment.

On Ocean avenue, on August 17 last, more than one-third of the total assessment had been paid. It will be apparent, therefore, that the six improvements to which the resolutions refer, as well as the Ocean avenue improvement, are in the fourth class, under this division, and that, provided there are moneys in the Street Improvement Fund available for the completion of these contracts, there is nothing to prevent the Board of Public Improvements from authorizing the completion of the same by the Commissioner of Highways.

The second part of the resolution submitted asks whether or not he (the Comptroller) has any moneys, and if so, how much, constituting a street improvement fund, applicable to street improvements generally; or applicable to certain boroughs of the city, and if the latter, how much to each.

In this connection I call your attention to an opinion of the Corporation Counsel addressed to me May 16, which reads, in that portion relating to what constitutes the Street Improvement Fund of the greater City of New York, as follows:

STREET IMPROVEMENTS.

By section 181 of the Charter the fund created by the corporation known as The Mayor, Aldermen and Commonalty of The City of New York, known as "Street Improvement Fund," is continued, and it is directed that into such fund shall be paid the proceeds of the sale of assessment bonds authorized by that section, and of such bonds as may by other provisions of law be authorized to be issued for similar purposes within the territory of The City of New York as constituted by the Charter, and for the payment of the expense of which the said city may in the first instance become liable, as well as the cash balances of assessments already collected or to be hereafter collected on account of similar contracts duly entered into by the proper authorities of the several municipal or public corporations, or parts thereof, which by the Charter are consolidated. It is also made lawful for the Comptroller when authorized by the Board of Estimate and Apportionment, to issue bonds to provide the means necessary to pay all expenses incurred on account of regulating and paving streets, building sewers and all other work ordered to be done by contract, by virtue of ordinances which may be hereafter passed by the Municipal Assembly of The City of New York, the expense whereof is to be collected by assessment from the property benefited by said work or works, or on account of any local improvement or other public work heretofore made or performed, or that shall hereafter be made or performed under and by virtue of the authority of any law in all cases in which the said expense is to be paid, in whole or in part, by assessment upon the property benefited.

The reasoning applied to the matter of street openings will apply here with even more force by reason of the fact that there is no question of doubtful construction involved. Contracts made prior to the going into effect of the Charter are plainly included in those which are entitled to the benefits of this section (section 181), and the same procedure must apply to such contracts as applies to those entered into after the date of consolidation.

Section 187 does not conflict with this view. By this section it is provided that cash balances of special funds in the treasuries or to the credit of the several municipal or public corporations or parts thereof, including the counties of Kings and Richmond, hereby consolidated with the Mayor, Aldermen and Commonalty of The City of New York, shall be transferred by the Comptroller to like special funds of The City of New York where such exist; and such special funds shall thereupon be liable for payments which would otherwise be made out of the payments so transferred. Where no similar funds exist in the treasury or to the credit of The City of New York, such special fund shall be, so far as practicable, administered in the same manner as they would have been administered if consolidation had not been effected. This refers to those cases where bonds have been issued and the proceeds directed to be applied to a specific purpose, such as, for example, the Shore Drive Road in the County of Kings, or the Eastern Parkway Extension in the City of Brooklyn, or where, as in the case of the Gravesend Common Land Fund, such funds have been impressed by statute with a particular trust.

The fund from which contracts similar to those referred to in the resolutions above were paid, in Brooklyn, was known as the Assessment Fund, and it was originally established by the then Board of Estimate, setting aside a certain sum which was to be loaned to assessment improvements in advance of collections of assessments, and the fund in turn was to be reimbursed by those collections when made, and by added appropriations from time to time by the Board of Estimate. The collections of assessments were kept as separate accounts on the books of the former Tax Collector, but were merged into one fund on the books of the Comptroller, and were so regarded for the purpose of letting new contracts.

This fund in Brooklyn was not only practically exhausted on January 1, 1898, but was, besides, in debt to improvements for which assessments had been collected and the money diverted to other uses to the extent of about \$120,000.

Since that date payments on account of this Brooklyn fund have come in rapidly, until on August 17 the amount of cash collected since the 1st of January exceeded \$168,000, and there are book balances and credits which make available over \$213,000, or within \$37,693.88 of the sum required to complete all original improvements in that borough for which assessments have been levied and on which more than one-third of the assessments have been paid in.

As an offset against the present deficit of \$37,693.88, below immediate claims which the Brooklyn Assessment Fund brings to the New York Street Improvement Fund, the Brooklyn fund

has \$244,237.27 due and collectible assessments yet outstanding, which is \$206,543.39 in excess of liabilities chargeable against it.

I submit a statement of the condition of the Brooklyn Assessment Fund, which, under the Corporation Counsel's ruling, though a part of the Street Improvement Fund of The City of New York, is presented here as a separate account to indicate the relation of its resources to the obligations which it brings into the said Street Improvement Fund of the greater City. The statement is as follows:

STATEMENT OF CONDITION OF BROOKLYN ASSESSMENT FUND, AUGUST 17, 1898.

Showing Collections from January 1, 1898, Book Balance and Collectible Resources, Certifications and all Obligations Chargeable Against the Same.

Total estimated cost of completing all original street improvements in Brooklyn Borough	\$279,600 00
Total payments of assessments on same to August 17, 1898	143,761 65
Leaving total amount still due from said assessment improvements	\$135,838 35
Total amount due and collectible August 17, 1898, on Tax Department books of Brooklyn payable to Assessment Fund, in addition to the assessments on above improvements.	93,726 68
Total amount due and collectible as above on books of Department of Arrears, August 17, 1898.	43,172 24
Making total uncollected assessments due and collectible August 17, 1898, available to meet cost of original street improvements.	\$272,737 27
Less estimated cost of those improvements which have not as yet paid the necessary one-third.	28,500 00
Making net uncollected resources to meet work which now can legally be completed in Brooklyn.	\$244,237 27
Total estimated cost of original street improvements which could legally be under way August 17, 1898.	\$251,100 00
Partial certification of contracts out of Assessment Fund previous to January 1, 1898, and charged to the said Fund previous to that date.	\$37,049 00
Book balance of Assessment Fund in excess of above partial certifications, January 1, 1898.	11,606 23
Total Tax Department collections, Assessment Fund, January 1, 1898, to August 17, 1898.	157,152 42
Total Department of Arrears collections, Assessment Fund, January 1, 1898, to August 17, 1898.	11,133 64
Making total book balance and cash credits in Assessment Fund available for original street improvements in Brooklyn, August 17, 1898.	\$216,941 29
Less payments on improvements which cannot now legally be begun as, one-third has not been paid in.	3,535 17
Making net book balance and cash credits available for original street improvements in Brooklyn.	213,406 12
Deficit of present credits and collections as against amount necessary to complete work now to be done.	37,693 88
Making excess of cash and resources over liabilities of the fund.	\$206,543 39

The New York Street Improvement Fund, exclusive of the resources and obligations brought to it by the Brooklyn Assessment Fund, though already heavily burdened by present demands will, I am satisfied, permit the advance from it of money necessary to complete the Brooklyn improvements. If the cash resources of that fund are not sufficient, under the ruling of the Corporation Counsel, an issue of assessment bonds may be made to complete unfinished assessment improvements which were turned over to the greater City by the municipalities consolidated.

Facts as to the assessment funds in Queens and Richmond Boroughs which may be payable into the New York Street Improvement Fund, and obligations from these boroughs which may be chargeable against said Street Improvement Fund, are under investigation and will be reported upon to your Honorable Board in due time.

As to whether the moneys for the Street Improvement Fund are applicable to street improvements generally, or to certain boroughs particularly, it appears to me that the opinion of the Corporation Counsel clearly makes this a general fund, available for assessment street improvements anywhere in the city at large, impressing the obligation upon the City to complete first such improvements for which assessments have been heretofore levied and the necessary amounts paid in by the owners of the property benefited.

I believe also that an element of equity demands the completion of work on such improvements where the assessments have been levied and become liens upon the property affected in advance of the improvements; and I think this Honorable Board will concur with me that these improvements should be provided for, in whatever boroughs occurring, before any other class of work is certified from the Street Improvement Fund.

The third series of inquiries under consideration asks whether or not funds paid in on account of improvements are applicable (a) only to the particular improvement upon which they are so paid, or (b) to the improvements generally in the borough, or (c) to improvements generally in the city at large, and (d), further, whether the application directed in answer to the foregoing relates to new improvements or only to those begun before January 1, 1898.

The original intention of the law under which the Brooklyn Assessment Fund was created was that collections for a certain improvement were not to be used for any other, and especially charged upon the Board of Estimate and Apportionment the duty of appropriating to that fund moneys for the completion of contracts upon improvements which had paid in their one-third. When the former officials of the City of Brooklyn violated that practice, the injustice developed for those taxpayers whose money was taken to complete some other improvement to the neglect of their own.

In general, I should regard the questions propounded by the last part of the resolution as practically answered by the Corporation Counsel's opinion quoted above, determining what constitutes the Street Improvement Fund of the greater city and as to how it should be disbursed.

I will state that I am now prepared to certify that one-third of the assessments have been paid in, and that funds are available for the completion of contracts, for improvements in Brooklyn included in Class A, Class C and Class D of the appended statement, and that I have requested a further opinion from the Corporation Counsel as to whether new contracts are necessary for Class B improvements, or whether I may legalize the existing contracts of the former City of Brooklyn by certifying the same.

In either case I shall stand ready to make the necessary certifications for completion of work on Class B improvements as soon as the Law Department determines the proper course.

Respectfully,

BIRD S. COLER, Comptroller.

STATEMENT RELATIVE TO ORIGINAL STREET IMPROVEMENTS IN BROOKLYN, SHOWING ESTIMATED COST, AMOUNT COLLECTED TO AUGUST 17, 1898; BALANCE UNCOLLECTED, PERCENTAGE OF COLLECTIONS, AND CONDITION AS TO CONTRACT.

Class A—Contracts Let and Partially Certified Previous to January 1, 1898.

	AMOUNT OF WARRANT.	AMOUNT COLLECTED TO AUGUST 17, 1898.	BALANCE UNCOLLECTED AUGUST 17, 1898.	PERCENT. OF COLLECTIONS AUGUST 17, 1898.	CONTRACTS CERTIFIED FOR.
Sixtieth street, between Third and Fourth avenues.	\$10,600 00	\$9,749 22	\$850 78	.919	\$5,000 00
Avenue C, Flatbush to Coney Island avenue.	18,000 00	13,782 39	4,217 61	.765	12,849 00
Utica avenue, Twenty-fourth and Twenty-ninth and Twenty-ninth and Thirty-second Wards.	19,500 00	13,350 73	6,149 27	.683	12,000 00
Nostrand avenue, Butler to President street.	4,000 00	2,608 91	1,391 09	.652	1,800 00
Orient avenue, Metropolitan avenue to Oliver street.	5,800 00	3,782 00	2,018 00	.651	3,700 00
Richardson street, Kingland avenue to Humboldt street.	4,500 00	2,120 58	2,379 42	.471	1,700 00

Class B—Contracts Let Previous to January 1, 1898, but not Certified.

	AMOUNT OF WARRANT.	AMOUNT COLLECTED TO AUGUST 17, 1898.	BALANCE UNCOLLECTED AUGUST 17, 1898.	PERCENT. OF COLLECTIONS AUGUST 17, 1898.	CONTRACTS CERTIFIED FOR.
Butler street, Troy to Schenectady avenue.	\$2,000 00	\$1,690 51	\$309 48	.840	.....
St. Nicholas avenue, Hart street to Flushing avenue.	13,000 00	8,889 19	4,110 81	.683	.....
Knickerbocker avenue, Palmetto street to Putnam avenue.	6,500 00	4,239 30	2,260 70	.652	.....
Park place, Brooklyn to Albany avenue.	16,000 00	9,294 32	6,705 68	.584	.....
Butler street, Albany to Troy avenue.	5,500 00	2,800 32	2,699 68	.509	.....
Prospect place, Brooklyn to Kingston avenue.	6,000 00	2,985 64	3,014 36	.499	.....
West Seventeenth street, Canal to Surf avenue.	8,500 00	4,223 26	4,276 74	.496	.....

Class C—Bids Received Previous to January 1, 1898, but no Contract Let.

	AMOUNT OF WARRANT.	AMOUNT COLLECTED TO AUGUST 17, 1898.	BALANCE UNCOLLECTED AUGUST 17, 1898.	PERCENT. OF COLLECTIONS AUGUST 17, 1898.	CONTRACTS CERTIFIED FOR.
Winthrop street, Flatbush to Rogers avenue.	\$10,000 00	\$6,367 31	\$3,632 69	.636	.....

Class D—More than One-third Total Assessment Paid in, but no Contract Let.

	AMOUNT OF WARRANT.	AMOUNT COLLECTED TO AUGUST 17, 1898.	BALANCE UNCOLLECTED AUGUST 17, 1898.	PERCENT. OF COLLECTIONS AUGUST 17, 1898.	CONTRACTS CERTIFIED FOR.
Regent place, Flatbush to Ocean avenue.	\$2,000 00	\$1,799 22	\$200 78	.899	.....
Himrod street, Irving to Wyckoff avenue.	3,000 00	2,108 79	891 21	.701	.....
Park place, Troy to Schenectady avenue.	1,100 00	717 57	382 43	.652	.....
Avenue B, Flatbush avenue to Ocean Parkway.	22,500 00	9,991 53	12,508 47	.444	.....
Eighty-fourth street, Fourth to Seventh avenue.	15,000 00	6,777 88	8,222 12	.451	.....
Pacific street, Schenectady to Utica avenue.	5,600 00	2,483 21	3,116 79	.444	.....
Ocean avenue, Fort Hamilton to Avenue F.	72,000 00	30,462 60	41,537 40	.423	.....

Class E—Improvements Upon Which One-third Total Assessments Has Not Yet Been Paid.

	AMOUNT OF WARRANT.	AMOUNT COLLECTED TO AUGUST 17, 1898.	BALANCE UNCOLLECTED AUGUST 17, 1898.	PER CENT. OF COLLECTIONS AUGUST 17, 1898.	CONTRACTS CERTIFIED FOR.
Bay Eleventh street, Eighty-sixth street to Crosey avenue.	\$15,500 00	\$3,191 84	\$12,308 16	.205	.....
Regent place, Flatbush avenue to Ocean Parkway.	3,000 00	326 74	2,673 26	.108	.....
Butler street, New York avenue to Brooklyn avenue.	7,000 00	16 59	6,983 41	.002	.....
Somers street, Stone avenue to Broadway.	3,000 00	.....	3,000 00	.0	.....
Totals.	\$279,600 00	\$143,761 65	\$135,838 34	....	.....

The following resolution was thereupon unanimously adopted:

Resolved, That the proposed improvements to the following streets:

Regent place, from Flatbush to Ocean avenue.
Pacific street, from Schenectady to Utica avenue.
Park place, from Troy to Schenectady avenue.
Himrod street, from Irving to Wyckoff avenue.
Eighty-fourth street, from Fourth avenue to Seventh avenue.
Avenue B, from Flatbush avenue to Ocean Parkway.

—be referred to the Commissioner of Highways for the purpose of reporting to this Board the cost of each separate improvement.

On motion of the President of the Borough of Brooklyn, the following resolution was unanimously adopted:

Resolved, That the proposed improvement of Ocean avenue, from Fort Hamilton avenue to Avenue F, be referred to the Commissioner of Highways for the purpose of reporting to this Board the cost of the proposed improvement.

The following communication was read and referred to the Commissioner of Water Supply:

MASPETH, BOROUGH OF QUEENS,
NEW YORK, August 22, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements:

DEAR SIR—We petition your Honorable Board to grant to us a permit to open Hull avenue, for the purpose of laying water-pipe. Beginning at Main or Fisk avenue, running 375 feet west on Hull avenue to property as per diagram, pipe 4 inches. Work will be done under the supervision of the Newtown Water Company. We will gladly comply with all rules and regulations your Honorable Board exact.

Your most obedient servants,
(Signed) CHARLES SCHWAIBOLD & CO.
C. SCHWAIBOLD.
MARTIN REHBEIN.

The following communication from the Commissioner of Highways was read and placed on file:

DEPARTMENT OF HIGHWAYS—COMMISSIONER'S OFFICE,
No. 150 NASSAU STREET,
NEW YORK, August 24, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements:

DEAR SIR—I beg to acknowledge receipt of the letter, dated June 3, from the Secretary of the Board of Public Improvements, with a copy of a communication from the President of the Borough of The Bronx, recommending that steps be taken to grade and make passable the Grand Boulevard and Concourse.

By a resolution adopted by the Board of Public Improvements on the 1st of June, I was directed to make a second application to the Board of Estimate and Apportionment for an appropriation to begin this work.

On the 22d instant, I accordingly addressed a letter to the Mayor, as Chairman of the Board of Estimate and Apportionment, requesting that \$620,000 be appropriated to carry out this improvement, or, if in the judgment of the Board of Estimate and Apportionment that was too large a sum to appropriate at the present time, that \$375,000 be allowed, which would be sufficient to pay for the section of the improvement from One Hundred and Sixty-first street to Burnside avenue. I inclose herewith a copy of my letter to the Board of Estimate and Apportionment, and would state that the Board did not allow the appropriation asked for, but referred the matter to the Comptroller for report.

Very respectfully,
JAMES P. KEATING, Commissioner of Highways.

The following communication from the Department of Sewers was read and referred back for the purpose of having the Commissioner of Sewers submit an estimate of the cost of proposed work :

DEPARTMENT OF SEWERS—BOROUGH OF MANHATTAN,
COMMISSIONER'S OFFICE, NOS. 265 AND 267 BROADWAY,
NEW YORK, August 22, 1898.

Honorable Board of Public Improvements :

GENTLEMEN—In answer to your communication of August 18, in relation to the construction of a sewer in One Hundred and Twenty-fifth street, between Third and Lexington avenues, the Commissioner directs me to transmit to you copy of report of Mr. Horace Loomis, Chief Engineer of Sewers, Borough of Manhattan, to whom the matter was referred. I am,
Yours respectfully,
M. J. JENNINGS, Secretary, Department of Sewers.

DEPARTMENT OF SEWERS—BOROUGH OF MANHATTAN,
COMMISSIONER'S OFFICE, NOS. 265 AND 267 BROADWAY,
NEW YORK, August 19, 1898.

Hon. MATTHEW F. DONOHUE, Deputy and Acting Commissioner of Sewers:

DEAR SIR—The letter of Mr. J. H. Mooney, Secretary of the Board of Public Improvements, forwarding resolution received by that body from the President of the Borough of Manhattan, recommending the construction of a sewer in One Hundred and Twenty-fifth street, between Third and Lexington avenues, has been received.

In regard to this matter I beg to say that, on the complaint of some property-owner who lived upon the line of this sewer, examination was made some weeks since, and we found that the same is a pipe sewer, constructed many years ago, and to a considerable extent out of repair, and without doubt the property would be much benefited by its reconstruction.

I therefore recommend that you request the Board of Public Improvements to take favorable action upon the resolution of the Local Board.

Yours respectfully,
(Signed) HORACE LOOMIS, Chief Engineer of Sewers.

The following communication from the Commissioner of Water Supply was read :

DEPARTMENT OF WATER SUPPLY—COMMISSIONER'S OFFICE,
NO. 150 NASSAU STREET,
NEW YORK, August 18, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements :

DEAR SIR—In the matter of the communication addressed to your Board by Hon. Louis F. Haffen, President Borough of The Bronx, embodying a resolution of the Local Board of the Twenty-first District, recommending the laying of water-mains in Jackson avenue, between One Hundred and Sixty-first and One Hundred and Sixty-sixth streets, Borough of The Bronx, which was referred to me for investigation and report by letter of 4th instant, from the Secretary of the Board, I have the honor to report that from report made to me by the Chief Engineer I find that the water-mains are necessary.

The length of mains to be laid is 1,200 lineal feet, and the estimated cost \$1,200, and there are 36 houses to be supplied with water therefrom.

I therefore respectfully recommend the adoption by your Board of the annexed resolution, embodying also a resolution for submission to the Municipal Assembly, authorizing the work to be done.

Very respectfully,
WM. DALTON, Commissioner of Water Supply.

And the following resolution was adopted :

Resolved, That, in pursuance of sections 413 and 416 of the City Charter, chapter 378 of the Laws of 1897, the Board of Public Improvements hereby authorizes the making of a contract by the Commissioner of Water Supply for the laying of water-mains in Jackson avenue, between One Hundred and Sixty-first and One Hundred and Sixty-sixth streets, Borough of The Bronx, at an estimated cost of one thousand two hundred dollars, to be paid from the appropriation for "Laying Croton Pipes, Boroughs of Manhattan and The Bronx," for 1898.

And the Board hereby presents to the Municipal Assembly and recommends the adoption of the following ordinance :

Be it Ordained by the Municipal Assembly of The City of New York, as follows :

That water-mains be laid in Jackson avenue, between One Hundred and Sixty-first and One Hundred and Sixty-sixth streets, Borough of The Bronx, the work to be done under the direction of the Commissioner of Water Supply, and in pursuance of section 413, chapter 378, Laws of 1897, the expense to be paid from the appropriation for "Laying Croton Pipes, Boroughs of Manhattan and The Bronx," for 1898.

Affirmative—Commissioners of Water Supply, Highways, Street Cleaning, Public Buildings, Lighting and Supplies, and Bridges, President Borough of The Bronx, and President of the Board.
Negative—None.

The matter of the charge for hydrants, reported on by the Commissioner of Water Supply at the last meeting, was taken up, and the following resolutions were adopted :

Whereas, According to the report of the Commissioner of Water Supply, there are certain contracts now existing, made with private water companies by the authorities of the former municipal bodies now consolidated with and incorporated in The City of New York, for the supplying of water and the erection of fire hydrants in connection therewith ; and

Whereas, The prices charged by the companies for the maintenance and supply of hydrants are, according to said report, large and excessive ; and

Whereas, In accordance with the new Charter of The City of New York, this Board is given the supervision of the rates, rules, etc., in connection with said water supply by said private water companies ; and

Whereas, There is not at present any fixed and established rate of charge in connection with the maintenance and supply of fire hydrants, nor rules governing the supply of water furnished by said water companies ; now be it

Resolved, That, for all hydrants which may hereafter be erected by private water companies, the said companies shall receive the fixed price or sum of twenty (20) dollars per annum for each and every hydrant ; and be it also

Resolved, That for such price or sum they shall agree to furnish all the water that is necessary for fire purposes and for flushing sewers, and in addition thereto, five hundred gallons of water per day for each hydrant for two hundred days in the year, where needed for sprinkling purposes by the City Departments ; and be it also

Resolved, That pure and wholesome water shall be furnished at a pressure of at least twenty-five pounds per square inch at each hydrant, and the hydrants shall be kept in perfect repair ; and be it further

Resolved, That before consent can be given by this Board for the issuing of any permits to extend water-mains or to erect hydrants by private water companies, an agreement must be executed by said private water companies accepting the rates and rules as set forth in this resolution.

Affirmative—Commissioner of Water Supply, Commissioner of Highways, Commissioner of Street Cleaning, Commissioner of Public Buildings, Lighting and Supplies, Commissioner of Bridges, President Borough of Manhattan, President Borough of The Bronx, President Borough of Brooklyn, and President of the Board.
Negative—None.

The Secretary was directed to forward a copy of the foregoing to the Corporation Counsel, with the request that he draw up a form of agreement to be entered into by the water companies.

The following communication was received from the President of the Borough of The Bronx, and referred to the Chief Topographical Engineer :

PRESIDENT OF THE BOROUGH OF THE BRONX,
MUNICIPAL BUILDING, CROTONA PARK,
August 19, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements :

DEAR SIR—Inclosed please find copy of letter dated August 17, 1898, from Mr. Martin Geiszler, transmitting petition (copy inclosed) in reference to change of width of Cauldwell avenue, between Cedar place and East One Hundred and Sixty-first street, Borough of The Bronx. Please accommodate the petitioners by advertising this matter for a hearing at an early date.

Respectfully,
LOUIS F. HAFFEN, President.

Hon. LOUIS F. HAFFEN, President, Borough of The Bronx :

DEAR SIR—The undersigned, owners of a majority of the property on the westerly side of Avenue "B," as shown on the map of Grove Hill, filed July 25, 1853, which part of Avenue "B" was discontinued on the Final Maps of the Twenty-third and Twenty-fourth Wards, respectfully petition the Local Board of Public Improvements of the Twenty-first District to take such action as may be necessary to alter and amend section 6 of the Final Maps by including in the width of Cauldwell avenue, between Cedar place and East One Hundred and Sixty-first street, that portion of Avenue "B" between the westerly line of said Avenue B and the westerly line of Cauldwell avenue, thus including said Avenue B in the new street system.

The owners of the land fronting on Avenue B are desirous of building and otherwise improving their property and respectfully request that the Local Board take prompt action so that the matter can be laid before the Board of Public Improvements at an early day.

Respectfully,
(Signed) ESTATE OF PHILIP EBLING, SR.,
Per W. EBLING, Executor, and others.

The following communications were received from the President of the Borough of Manhattan and referred to the Commissioner of Highways :

NEW YORK CITY, August 23, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements :

DEAR SIR—At a meeting of the Board of Local Improvements of the Nineteenth District of the Borough of Manhattan, held August 23, 1898, in accordance with the provisions of the Charter of The City of New York, the following resolution was adopted :

Resolved, That the Board of Local Improvements of the Nineteenth District of the Borough of Manhattan recommend to the Board of Public Improvements that the proper department be instructed to place the sidewalk in front of vacant lots adjoining No. 120 West One Hundred and Thirty-fourth street in proper condition.

Adopted.

Respectfully,
AUGUSTUS W. PETERS, President, Borough of Manhattan.

NEW YORK CITY, August 22, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements :

DEAR SIR—At a meeting of the Board of Local Improvements of the Fourteenth District of the Borough of Manhattan, held August 22, 1898, in accordance with the provisions of the Charter of The City of New York, the following resolution was adopted :

Resolved, That the Board of Local Improvements of the Fourteenth District of the Borough of Manhattan recommend to the Board of Public Improvements that Mitchell place be paved.

Adopted.

Respectfully,
AUGUSTUS W. PETERS, President, Borough of Manhattan.

NEW YORK CITY, August 23, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements :

DEAR SIR—At a meeting of the Board of Local Improvements of the Nineteenth District of the Borough of Manhattan, held August 23, 1898, in accordance with the provision of the Charter of The City of New York, the following resolution was adopted :

Resolved, That the Board of Local Improvements of the Nineteenth District of the Borough of Manhattan recommend to the Board of Public Improvements that the crossings or intersections of One Hundred and Fiftieth and One Hundred and Fifty-first streets with St. Nicholas avenue be asphalted.

Adopted.

Respectfully,
AUGUSTUS W. PETERS, President, Borough of Manhattan.

NEW YORK CITY, August 23, 1898.

Hon. MAURICE F. HOLAHAN, President, Board of Public Improvements :

DEAR SIR—At a meeting of the Board of Local Improvements of the Nineteenth District of the Borough of Manhattan, held August 23, 1898, in accordance with the provisions of the Charter of The City of New York, the following resolution was adopted :

Resolved, That the Board of Local Improvements of the Nineteenth District of the Borough of Manhattan recommend to the Board of Public Improvements that the proper department be instructed to place the sidewalk in front of Nos. 20 and 22 East One Hundred and Sixteenth street in proper condition.

Adopted.

Respectfully,
AUGUSTUS W. PETERS, President, Borough of Manhattan.

The following communications were received from the Board of Aldermen and referred to the Commissioner of Highways :

CITY OF NEW YORK, BOARD OF ALDERMEN, CITY HALL.
(No. 1166.)

AN ORDINANCE to provide for repaving the carriageway at southeast corner of Jefferson street and East Broadway, in the borough of Manhattan, with asphalt.

Be it Ordained by the Municipal Assembly of the City of New York, as follows :

Section 1. That the carriageway of the south side of East Broadway, running east from the southeast corner of Jefferson street and East Broadway for a distance of one hundred and fifty feet be repaved with asphalt upon the present pavement ; and that the carriageway of Jefferson street, running southeasterly from the southeast corner of Jefferson street and East Broadway, in the Borough of Manhattan, for a distance of one hundred and fifty feet (being the highway in front and on the side of the building of the Educational Alliance), be repaved with asphalt upon the present pavement, under the direction of the commissioner of highways.

Sec. 2. All ordinances or parts of ordinances inconsistent or conflicting with the provisions of this ordinance are hereby repealed.

Sec. 3. This ordinance shall take effect immediately.

Which was referred to the Board of Public Improvements.

CITY OF NEW YORK, BOARD OF ALDERMEN, CITY HALL.
(No. 1173.)

AN ORDINANCE to provide for repaving St. Edward's street, from Flushing to Myrtle avenue, borough of Brooklyn, with asphalt.

Be it Ordained by the Municipal Assembly of The City of New York, as follows :

Section 1. That the carriageway of St. Edward's street, from Flushing to Myrtle avenue, in the Borough of Brooklyn, be repaved with asphalt pavement upon the present pavement, under the direction of the commissioner of highways.

Sec. 2. All ordinances or parts of ordinances inconsistent or conflicting with the provisions of this ordinance are hereby repealed.

Sec. 3. This ordinance shall take effect immediately.

Which was referred to the Board of Public Improvements.

CITY OF NEW YORK—BOARD OF ALDERMEN, CITY HALL.
(No. 1145.)

AN ORDINANCE to provide for repaving carriageway at intersection of Park avenue and Ninety-seventh street, etc., in the borough of Manhattan, with granite or syenite block pavement.

Be it Ordained by the Municipal Assembly of The City of New York, as follows :

Section 1. That the carriageway at the intersection of Park avenue and Ninety-seventh street, from the easterly line of Park avenue to the bridge over the tracks of the New York Central and Hudson River Railroad Company, in the borough of Manhattan, be repaved with granite or syenite block pavement, upon concrete foundation, under the direction of the commissioner of highways.

Sec. 2. All ordinances or parts of ordinances inconsistent or conflicting with the provisions of this ordinance are hereby repealed.

Sec. 3. This ordinance shall take effect immediately.

Which was referred to the Board of Public Improvements.

CITY OF NEW YORK—BOARD OF ALDERMEN, CITY HALL.
(No. 1126a.)

PETITION FOR REPAVING STARR STREET WITH GRANITE-BLOCK PAVEMENT, FROM HAMBURG AVENUE TO KNICKERBOCKER AVENUE.

To the Honorable Board of Aldermen of The City of New York :

GENTLEMEN—We, the undersigned taxpayers and property-owners living on Starr street, between Hamburg and Knickerbocker avenues, do hereby petition your Honorable Body to look into the deplorable condition of our street and take some steps toward having it repaved with granite-block pavement, so that we need not be afraid of the wagons breaking down, which is a common occurrence in this block at the present time.

Signed,

William Bayer, 79 Starr street.
H. Wiperman, 93 Starr street.
Henry Loefler, 87 Starr street.
William Loesch, 109 Starr street.
Josef Keller, 107 Starr street.
Adolf Rippel, 83 Starr street.
Herman Finck, 78 and 80 Starr street.
Mary Munch, 90 Starr street.
Guvvez Dinkeim, 92 Starr street.

Peter Kerner, 76 Starr street.
Ollilin Vyezek, 94 Starr street.
Stephen Cronton, 100 Starr street.
Catherine Brown, 96 Starr street.
J. G. Jenkins, 77 Starr street.
Utam Lang, 95 Starr street.
Herman Schmidt, 74 Starr street.
Michael Keller, 81, 82 and 84 Starr street.
John Grimsuld, 75 Starr street.

In connection therewith Alderman Lang presented the following ordinance :

(No. 1126b.)

AN ORDINANCE to provide for repaving the carriageway of Starr street, from Hamburg avenue to Knickerbocker avenue, in the borough of Brooklyn, with granite-block pavement, upon concrete foundation :

Be it Ordained by the Municipal Assembly of The City of New York, as follows :

That the carriageway of Starr street, from Hamburg avenue to Knickerbocker avenue, in the borough of Brooklyn, be repaved with granite-block pavement, upon concrete foundation, under the direction of the commissioner of highways.

Which were severally referred to the Board of Public Improvements.

CITY OF NEW YORK—BOARD OF ALDERMEN, CITY HALL.

(No. 1160.)

AN ORDINANCE to provide for repaving Willoughby avenue, from Central avenue to Knickerbocker avenue, in the borough of Brooklyn, with granite-block pavement upon concrete foundation.

Be it Ordained by the Municipal Assembly of The City of New York, as follows :

That the carriageway of Willoughby avenue, from Central avenue to Knickerbocker avenue, in the borough of Brooklyn, be repaved with granite-block pavement upon concrete foundation, under the direction of the commissioner of highways.

Which was referred to the Board of Public Improvements.

The following communications were received from the Board of Aldermen and referred to the Commissioner of Water Supply :

CITY OF NEW YORK—BOARD OF ALDERMEN, CITY HALL.

(No. 1136.)

Resolved, That water-mains be laid in Audubon avenue, between One Hundred and Sixty-sixth street and One Hundred and Sixty-eighth street, in the Borough of Manhattan, under the direction of the Commissioner of Water Supply.

Which was referred to the Board of Public Improvements.

CITY OF NEW YORK—BOARD OF ALDERMEN, CITY HALL.

(No. 1163.)

Resolved, That water-mains be laid in Twenty-first avenue, from Eighty-fourth to Eighty-sixth street, in the Borough of Brooklyn, under the direction of the Commissioner of Water Supply.

Which was referred to the Board of Public Improvements.

CITY OF NEW YORK—BOARD OF ALDERMEN, CITY HALL.

(No. 1137.)

Resolved, That water-mains be laid in Edgecombe avenue, between One Hundred and Fifty-fifth street and Amsterdam avenue, in the Borough of Manhattan, under the direction of the Commissioner of Water Supply.

Which was referred to the Board of Public Improvements.

The following report from the Chief Topographical Engineer was read, the matter was laid over and a copy of the report ordered to be forwarded to the President of the Borough of Queens :

CITY OF NEW YORK,
PRESIDENT OF BOARD OF PUBLIC IMPROVEMENTS,
TOPOGRAPHICAL BUREAU, BOROUGH OF THE BRONX,
ONE HUNDRED AND SEVENTY-SEVENTH STREET AND THIRD AVENUE,
August 18, 1898.

Mr. JOHN H. MOONEY, Secretary, Board of Public Improvements :

SIR—In reply to the action taken by the Local Board of Long Island City, Borough of Queens, recommending the legal opening of Van Alst avenue, from Hoyt avenue to Winthrop avenue, and of Winthrop avenue, from Van Alst avenue to Steinway avenue, I have to report that it is the intention of the Board of Public Improvements to revise the street system in Long Island City as soon as the requested appropriation for such work is made by the Board of Estimate and Apportionment, and I wish to recommend, therefore, that no action be taken in this matter at the present time.

The section of Long Island City where Van Alst avenue and Winthrop avenue are located is very little built up as yet, and gives a chance to rearrange the streets and avenues to suit the topographical features of this section better than the present system does.

The papers and map in this matter are herein returned.

Respectfully,

LOUIS A. RISSE,
Chief Topographical Engineer and Engineer of Concourse.

The following report from the Chief Topographical Engineer was read, and the matter was laid over until the determination of the suit in question :

CITY OF NEW YORK,
PRESIDENT OF BOARD OF PUBLIC IMPROVEMENTS,
TOPOGRAPHICAL BUREAU, BOROUGH OF THE BRONX,
ONE HUNDRED AND SEVENTY-SEVENTH STREET AND THIRD AVENUE,
August 18, 1898.

Mr. JOHN H. MOONEY, Secretary, Board of Public Improvements :

SIR—I return herewith letter from the General-Solicitor of the Long Island Railroad Company, inclosing several papers in the suit of David S. Jones vs. Long Island Railroad Company, in relation to the high-board fence in the centre of First street, between West avenue and Vernon avenue, Long Island City, Borough of Queens, in which he states that his company takes the position that First street has never been opened west of Vernon avenue and is not a public highway ; that if it ever were opened it has lost its character as a public highway by non-user, as the conditions prevailing on the north side of the street have prevailed for forty (40) years, that side of the street having never been used by the public ; and that First street, west of West avenue, was stricken from the city map by act of the Legislature, and have to state that I have not been able to find any record that First street, between West and Vernon avenues, was ever legally opened, as I stated to you in my communication of July 5, 1898.

The Solicitor-General states in his letter that the suit of Jones vs. Long Island Railroad Company will come up for trial at the Special Term on the third day of September next, and I recommend, therefore, that this matter be held in abeyance until said suit has been decided.

The papers in this matter are herein returned.

Respectfully,

LOUIS A. RISSE,
Chief Topographical Engineer and Engineer of Concourse.

The following communication from the Engineer of Street Openings was read and placed on file, and the Secretary was directed to send a copy of same to the President of the Borough of Manhattan :

BOARD OF PUBLIC IMPROVEMENTS—BOROUGH OF MANHATTAN,
No. 346 BROADWAY,
NEW YORK, August 22, 1898.

Mr. JOHN H. MOONEY, Secretary, Board of Public Improvements :

SIR—In the matter of delaying the payment of the assessment for regulating, grading, etc., of One Hundred and Eighty-eighth street, from Amsterdam avenue to Audubon avenue, referred to me for report thereon,

“Resolved, That the Board of Local Improvement of the Nineteenth District of the Borough of Manhattan recommend to the Board of Public Improvements that Audubon avenue be graded before the assessment for grading One Hundred and Eighty-eighth street east of Audubon avenue is levied.”

The contract work of regulating, grading, etc., of West One Hundred and Eighty-eighth street, from Audubon avenue to Amsterdam avenue, is nearly completed, and as soon as accepted by the Commissioner of Highways the assessment list for the work done must be forwarded to the Board of Assessors for adjustment, and then to the Comptroller for collection. I know of no law whereby the collection of assessments can be delayed until the completion of the work upon any other street or avenue.

I would further state that no contract for the regulating, grading, etc., on Audubon avenue, from One Hundred and Seventy-fifth street to Fort George avenue, has been let ; that the plans for the work at this date have not been completed, and that there are doubts as to the legality of the ordinance authorizing the work.

Respectfully,

JOS. O. B. WEBSTER, Engineer of Street Openings.

The following transfer was approved by the Board :

William McElroy, Laborer, from the Department of Bridges to the Department of Water Supply.

Adjourned,

Attest :

JOHN H. MOONEY, Secretary.

DEPARTMENT OF PUBLIC CHARITIES.

Report for Quarter ending June 30, 1898.

DEPARTMENT OF PUBLIC CHARITIES—OUT-DOOR POOR DEPARTMENT,
No. 66 THIRD AVENUE,
NEW YORK, July 22, 1898.

Hon. ROBERT A. VAN WYCK, Mayor :

DEAR SIR—I herewith respectfully submit the quarterly reports of work done by the Out-door Poor Department and the Examiners of Dependent Children during the months of April, May and June, 1898.

Respectfully,
GEO. BLAIR, Superintendent.

Quarterly Report for the three Months ending June 30, 1898.

ADMISSIONS TO THE DIFFERENT INSTITUTIONS FROM CENTRAL OFFICE.

Adults.	
To Examining Physician	9,397
To City Hospital	147
To Almshouse	1,218
To Colored Home	139
	<u>10,811</u>

Children.	
To Nursery Hospital	180
To Infants' Hospital	168
	<u>348</u>
Discharged to parents and guardians	236
Requisitions granted on complaint of abandonment	319
	<u>555</u>

Transportation has been afforded to 67 sick and destitute persons to reach their homes, thereby preventing their becoming a charge upon this county.

There have also been 288 insane sick and destitute persons committed to the State Almshouse at Flatbush, Kings County, to be cared for by the State Board of Charities, thus relieving this Department of their care and maintenance.

There have also been 5 alien paupers sent to their homes in Europe through the State Board of Charities, thus relieving this county of their care and maintenance.

Passes granted to applicants	8,805
Meals given to the poor	1,227
Discharges from the Almshouse	26
Calls for sick wagon (commencing April 15, 1898)	212
Admissions to the Lodging-house	242

Abandonment and bastardy payments

Very respectfully,
GEO. BLAIR, Superintendent.

QUARTERLY REPORT, BUREAU OF EXAMINERS OF DEPENDENT CHILDREN.

Total number of investigations	4,523
Total number of visits required	5,055
Number approved	2,779
Number approved owing to ability to pay part	252
Number disapproved	1,355
Discharges approved	125
Discharges disapproved	12

Month of April, 1898.	
Number approved	748
Number approved owing to ability to pay part	75
Number disapproved	288
	<u>1,111</u>

Reasons for disapproving—	
Non-residents	52
Immigrants	10
Unknown at residence given	127
Able to pay	33
Able to be supported at home	66

Discharges approved	32
Discharges disapproved	4
	<u>36</u>
	<u>1,147</u>

Month of May, 1898.	
Number approved	954
Number approved owing to ability to pay part	72
Number disapproved	562
	<u>1,588</u>

Reasons for disapproving—	
Non-residents	82
Immigrants	30
Unknown at residence given	245
Able to pay	96
Able to be supported at home	109

Discharges approved	48
Discharges disapproved	7
	<u>55</u>
	<u>1,643</u>

Month of June, 1898.	
Number approved	1,077
Number approved owing to ability to pay part	105
Number disapproved	505
	<u>1,687</u>

Reasons for disapproving—	
Non-residents	105
Immigrants	27
Unknown at residence given	162
Able to pay	76
Able to be supported at home	135

Discharges approved	45
Discharges disapproved	1
	<u>46</u>
	<u>1,733</u>

SUMMARY.

	APRIL.	MAY.	JUNE.
Children applying to enter institutions—			
Number approved	445	375	407
Number approved owing to ability to pay part	67	65	82
Number disapproved	150	223	223

	APRIL.	MAY.	JUNE.
Reasons for disapproving—			
Non-residents.....	23	39	41
Immigrants.....	5	11	9
Unknown at residence given.....	58	57	36
Able to pay.....	5	18	15
Able to be supported at home.....	59	98	122
Maternity cases—			
Number approved.....	127	113	128
Number approved owing to ability to pay part.....	4	2	4
Number disapproved.....	55	55	59
Reasons for disapproving—			
Non-residents.....	14	9	16
Immigrants.....	3	....	2
Unknown at residence given.....	25	30	25
Able to pay for treatment.....	6	6	7
Able to stay at home.....	7	10	9
Mothers with babies—			
Number approved.....	3	8	3
Number disapproved.....	1	3	7
Reasons for disapproving—			
Non-residents.....	....	....	....
Immigrants.....	....	1	....
Unknown at residence given.....	1	1	3
Able to stay at home.....	....	1	4
Hospital cases—			
Number approved.....	143	431	522
Number approved owing to ability to pay part.....	4	5	19
Number disapproved.....	78	269	207
Reasons for disapproving—			
Non-residents.....	15	32	47
Immigrants.....	2	18	16
Unknown at residence given.....	39	147	90
Able to pay for treatment.....	22	72	54
Fallen women—			
Number approved.....	30	27	17
Number disapproved.....	4	12	9
Reasons for disapproving—			
Non-residents.....	....	2	1
Unknown at residence given.....	4	10	8

DEPARTMENT OF DOCKS AND FERRIES.

THE CITY OF NEW YORK—DEPARTMENT OF DOCKS AND FERRIES, }
PIER "A," N. R., BATTERY PLACE, }
NEW YORK, August 30, 1898. }

Supervisor of the City Record:

SIR—I beg to advise that at a meeting of the Board of Docks, held August 26, 1898, the following actions were taken in regard to employees:

James H. King, of No. 15 Tompkins street, No. 12,776 on Civil Service eligible list, was reinstated as Boatman, with compensation at the rate of \$15 per week while employed.

Thomas F. Crawford was reinstated as Laborer, with compensation at the rate of 23 cents per hour while employed.

Joseph Fitzgerald was reinstated as Sounder, with compensation at the rate of \$15 per week while employed.

Michael Sheehan, of No. 91 Cherry street, was promoted from Laborer to Dock Builder.

Patrick J. Conway, of No. 633 Ninth avenue, No. 10030 on Civil Service eligible list, was appointed Dock Builder, with compensation at the rate of 30 cents per hour while employed.

William A. Helmes was appointed Laborer, with compensation at the rate of 23 cents per hour while employed.

The following-named persons were appointed as Recreation Pier Cleaners, with compensation at the rate of \$45 per month while employed.

No. 11056. Annie Gerlach, No. 307 Avenue C.
No. 10443. Mary Ann Williams, 639 Second avenue.
No. 12782. Charlotte Sullivan, No. 441 West Thirty-fourth street.
No. 12657. Julia E. Dowling, No. 209 East Forty-eighth street.
No. 12536. Annie Healey, No. 203 East One Hundred and Fourth street.

I also transmit herewith list of persons discharged at said meeting, their services being no longer required.

Caulker.

Henry W. Gilbert, No. 313 West Forty-fourth street.

Dock Builders.

John J. Brady, No. 409 Hudson street.

Peter Corcoran, No. 305 West Forty-third street.

James Degnan, No. 187 West Houston street.

Joseph Doyle, No. 44 Commerce street.

Frederick Fifer, No. 36 Downing street.

William P. French, No. 1 Varick place.

James P. Keegan, No. 413 West Forty-eighth street.

Thomas J. Kelly, No. 38 King street.

Thomas Kilcarr, No. 109 Charlton street.

James F. Meade, No. 16 Clarke street.

Daniel O'Brien, No. 108 King street.

Patrick Regney, No. 97 Morton street.

Henry Track, No. 163 St. Nicholas avenue.

Michael Tracy, No. 312 Spring street.

Laborers.

James A. Alart, No. 98 King street.

William Atkinson, No. 312 West Forty-seventh street.

Louis Bauer, No. 173 Fourth street.

Edward Breen, No. 415 First avenue.

Berman Cummings, No. 284 Houston street.

Robert Dolan, No. 55 Leroy street.

George Farley, No. 200 East One Hundred and Fourteenth street.

Charles Glavin, No. 19 Vandam street.

James Griffin, No. 411 Hudson street.

John Haggerty, No. 18 King street.

George Horstman, No. 17 Downing street.

Joseph Keating, No. 628 Greenwich street.

John H. Kuntz, No. 151 Suffolk street.

John McBride, No. 219 King street.

James F. McKenzie, No. 16 Renwick street.

James Murtagh, No. 367 West Fifty-second street.
James Oliver, No. 653 Eleventh avenue.
Elisha Tracy, No. 29 Dominick street.
Louis Walters, No. 886 Amsterdam avenue.

Yours respectfully,
WM. H. BURKE, Secretary.

DEPARTMENT OF PARKS.

THE CITY OF NEW YORK,
DEPARTMENT OF PARKS,
OFFICE OF COMMISSIONER FOR THE
BOROUGH OF THE BRONX,
ZBROWSKI MANSION, CLAREMONT PARK,
August 29, 1898.

Supervisor of the City Record:

DEAR SIR—Pursuant to section 1546, chapter 378, Laws of 1897, I hereby notify you, for publication in the CITY RECORD, that by order of the Commissioner for the Borough of The Bronx, the following changes have been made in the working force of this Department.

Appointed.

Walter D. Clarke, No. 706 East One Hundred and Thirty-seventh street, Assistant Foreman, at \$60 per month.

Promoted.

William H. Quinn, from Assistant Foreman to Foreman, at \$100 per month, to take effect on the 1st instant.

Transferred.

Michael Lennon, Foreman, from Borough of Manhattan to this Borough, to take effect on the 1st instant.

Discharged.

Hugh Donnelly, Carpenter, and S. A. Bowden, Laborer.

Respectfully yours,

MAX K. KAHN,
Private Secretary.

BOARD OF PUBLIC IMPROVEMENTS.

BOARD OF PUBLIC IMPROVEMENTS,
CITY OF NEW YORK, No. 346 BROADWAY,
BOROUGH OF MANHATTAN,
NEW YORK, August 29, 1898.

Supervisor of the City Record:

SIR—The following appointment has been made in the Topographical Bureau of this office, viz.:

Edward Riordan, "Transitman and Computer," at a salary of \$1,200 per annum.

Respectfully,

JOHN H. MOONEY,
Secretary.

DEPARTMENT OF BRIDGES.

DEPARTMENT OF BRIDGES,
CITY OF NEW YORK,
COMMISSIONER'S OFFICE,
STEWART BUILDING,
MANHATTAN, NEW YORK CITY, N. Y.,
August 29, 1898.

Supervisor of the City Record:

DEAR SIR—Pursuant to section 1546, chapter 378 of the Laws of 1897, I respectfully notify you of the following promotion in the Department of Bridges, Borough of The Bronx:

Anthony Zwickert, Sounder, from \$2.50 to \$3 per day, to take effect August 29th.

Respectfully,

JOHN L. SHEA,
Commissioner of Bridges.

BOARD OF ASSESSORS.

OFFICE BOARD OF ASSESSORS,
No. 27 CHAMBERS ST., N. Y.,
NEW YORK, August 30, 1898.

Supervisor of the City Record:

DEAR SIR—Notice is hereby given that the resignation of Willis R. Tenney, Assistant Civil Engineer in the office of the Board of Assessors, has been accepted, to take effect August 31, 1898.

Very respectfully,

WM. H. JASPER,
Secretary.

OFFICIAL DIRECTORY.

STATEMENT OF THE HOURS DURING which the Public Offices in the City are open for business, and at which the Courts regularly open and adjourn, as well as of the places where such offices are kept and such Courts are held; together with the heads of Departments and Courts:

EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 6 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

ROBERT A. VAN WYCK, Mayor.

ALFRED M. DOWNES, Private Secretary.

Bureau of Licenses.

No. 1 City Hall, 9 A. M. to 4 P. M.

DAVID J. ROCHE, Chief.

GEORGE W. BROWN, Jr., Deputy.

AQUEDUCT COMMISSIONERS.

Room 209, Stewart Building, 5th floor, 9 A. M. to 4 P. M.

JOHN J. RYAN, MAURICE J. POWER, WILLIAM H. TEN EYCK, JOHN P. WINDOLPH and THE MAYOR, and COMPTROLLER, Commissioners; HARRY W. WALKER, Secretary, A. FTELEY, Chief Engineer.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115, Stewart Building, 9 A. M. to 4 P. M.

JOHN C. HERTLE and EDWARD OWEN.

MUNICIPAL ASSEMBLY.

THE COUNCIL.

RANDOLPH GUGGENHEIMER, President of the Council
P. J. SCULLY, City Clerk.
Clerk's office open from 10 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M.

BOARD OF ALDERMEN.

THOMAS F. WOODS, President.

MICHAEL F. BLAKE, Clerk.

BOARD OF PUBLIC IMPROVEMENTS.

No. 346 Broadway, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

MAURICE F. HOLAHAN, President.

JOHN H. MOONEY, Secretary.

Department of Highways.

No. 150 Nassau street, 9 A. M. to 4 P. M.
JAMES P. KEATING, Commissioner of Highways.
WILLIAM N. SHANNON, Deputy for Manhattan.
THOMAS R. FARRELL, Deputy for Brooklyn.
JAMES H. MALONEY, Deputy for Bronx.
JOHN P. MADDEN, Deputy for Queens.
HENRY P. MORRISON, Deputy and Chief Engineer for Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Sewers.

Nos. 265 and 267 Broadway, 9 A. M. to 4 P. M.
JAMES KANE, Commissioner of Sewers.
MATTHEW F. DONOHUE, Deputy for Manhattan.
THOMAS J. BYRNES, Deputy for Bronx.
WILLIAM BRENNAN, Deputy for Brooklyn.
MATTHEW J. GOLDNER, Deputy Commissioner of Sewers, Borough of Queens.
HENRY P. MORRISON, Deputy Commissioner and Chief Engineer of Sewers, Borough of Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Bridges.

Room 177, Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.
JOHN L. SHEA, Commissioner.
THOMAS H. YORK, Deputy.
SAMUEL R. PROBRASCO, Chief Engineer.
MATTHEW H. MOORE, Deputy for Bronx.
HARRY BEAM, Deputy for Brooklyn.
JOHN E. BACKUS, Deputy for Queens.

Department of Water Supply.

No. 150 Nassau street, 9 A. M. to 4 P. M.
WILLIAM DALTON, Commissioner of Water Supply.
JAMES H. HASLIN, Deputy Commissioner.
GEORGE W. BIRDALL, Chief Engineer.
W. G. BYRNE, Water Register.
JAMES MOFFETT, Deputy Commissioner, Borough of Brooklyn, Municipal Building.
JOSEPH FITCH, Deputy Commissioner, Borough of Queens, Old City Hall, Long Island City.
THOMAS J. MULLIGAN, Deputy Commissioner, Borough of The Bronx, Crotona Park Building.
HENRY P. MORRISON, Deputy Commissioner, Borough of Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Street Cleaning.

9 A. M. to 4 P. M.
JAMES MCCARTNEY, Commissioner, No. 346 Broadway, Manhattan.
F. M. GIBSON, Deputy Commissioner for Borough of Manhattan, No. 346 Broadway.
PATRICK H. QUINN, Deputy Commissioner for Borough of Brooklyn, Room 37 Municipal Building.
JOSEPH LIEBERTZ, Deputy Commissioner for Borough of The Bronx, No. 615 East One Hundred and Fifty-second street.
JOHN P. MADDEN, Deputy Commissioner for Borough of Queens, Municipal Building, Long Island City.

Department of Buildings, Lighting and Supplies.

No. 346 Broadway, Room 1142, 9 A. M. to 4 P. M.
HENRY S. KEARNY, Commissioner of Public Buildings, Lighting and Supplies.
PETER J. DOOLING, Deputy Commissioner for Manhattan.
WILLIAM WALTON, Deputy Commissioner for Brooklyn.
HENRY SUTPHIN, Deputy Commissioner for Queens.
EDWARD I. MILLER, Deputy Commissioner for Richmond.

PUBLIC ADMINISTRATOR.

No. 110 Nassau street, 9 A. M. to 4 P. M.
WILLIAM M. HORS, Public Administrator.

DEPARTMENT OF FINANCE.

Comptroller's Office.

Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.

BIRD S. COLER, Comptroller.

MICHAEL T. DALY, Deputy Comptroller.

EDGAR J. LEVEY, Assistant Deputy Comptroller.

EDWARD GILSON, Collector of Assessments and Arrears.

DAVID O'BRIEN, Collector of City Revenue and Superintendent of Markets, Borough of Manhattan.

DAVID E. AUSTEN, Receiver of Taxes.

John J. McDONOUGH, Deputy Receiver of Taxes, Borough of Manhattan.

JAMES B. BOUCK, Deputy Receiver of Taxes, Borough of Brooklyn.

JOHN F. GOULDSBURY, First Auditor of Accounts, Borough of Manhattan.

WILLIAM MCKINNY, First Auditor of Accounts, Borough of Brooklyn.

MICHAEL O'KEEFE, Deputy Collector of Assessments and Arrears, Borough of Brooklyn.

WALTER H. HOLT, Auditor, Borough of Richmond.

JOHN J. FETHERSTON, Deputy Receiver of Taxes, Borough of Richmond.

GEORGE BRAND, Deputy Collector of Assessments and Arrears, Borough of Richmond.

EDWARD J. CONNELL, Auditor, Borough of The Bronx.

FREDERICK W. BLECKWENN, Deputy Receiver of Taxes, Borough of Queens.

FRANCIS R. CLAIR, Auditor, Borough of Queens.

Bureau of the City Chamberlain.

Nos. 25 and 27 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.

PATRICK KEENAN, City Chamberlain.

Office of the City Paymaster.

No. 33 Reade street, Stewart Building, 9 A. M. to 4 P. M.

JOHN H. TIMMERMAN, City Paymaster.

LAW DEPARTMENT.

Office of Corporation Counsel.

Staats-Zeitung Building, 3d and 4th floors, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.

JOHN WHALEN, Corporation Counsel.

THEODORE CONNOLLY, W. W. LADD, Jr., CHARLES BLANDY, Assistants.

ALBERT F. JENKS, Assistant Corporation Counsel for Brooklyn.

Bureau for Collection of Arrears of Personal Taxes.

Stewart Building, Broadway and Chambers street, 9 A. M. to 4 P. M.

Bureau for the Recovery of Penalties.

Nos. 119 and 121 Nassau street.

ADRIAN T. KIERNAN, Assistant Corporation Counsel

Bureau of Street Openings.

Nos. 90 and 92 West Broadway.

JOHN P. DUNN, Assistant to Corporation Counsel.

POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.

BERNARD J. YORK, President of the Board; JOHN B. SEXTON, JACOB HESS, HENRY E. ABELL, Commissioners.

DEPARTMENT OF PUBLIC CHARITIES.

Central Office.

Foot of East Twenty-sixth street, 9 A. M. to 4 P. M.

JOHN W. KELLER, President of the Board; Commissioner for Manhattan and Bronx.

THOMAS S. BRENNAN, Deputy Commissioner.

ADOLPH SIMIS, Jr., Commissioner for Brooklyn and Queens.

ARTHUR A. QUINN, Deputy Commissioner.

JAMES FEENEY, Commissioner for Richmond.

Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 A. M. to 4 P. M.

Saturdays, 12 M.

Out-door Poor Department. Office hours, 8.30 A. M. to 4.30 P. M.

DEPARTMENT OF STREET
CLEANING.

PERSONS HAVING BULKHEADS TO FILL, IN the vicinity of New York Bay, can procure material for that purpose—ashes, street sweepings, etc., such as is collected by the Department of Street Cleaning—free of charge, by applying to the Commissioner of Street Cleaning, 346 Broadway, Borough of Manhattan.

JAMES McCARTNEY,
Commissioner of Street Cleaning.

SUPREME COURT.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening WHITLOCK AVENUE (although not yet named by proper authority), from Hunt's Point road to Westchester avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT THE BILL of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court, First Department, at a Special Term thereof, Part I, to be held in and for the County of New York, at the County Court-house, in the City of New York, on the 12th day of September, 1898, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon, and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by law.

Dated Borough of Manhattan, August 8, 1898,
STANLEY W. DEXTER,
PIERRE VAN BUREN HOES,
JNO. P. KELLY,
Commissioners.

JOHN P. DUNN, Clerk.

DEPARTMENT OF PUBLIC
CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES,
BOROUGH OF MANHATTAN AND THE BRONX,
FOOT OF EAST TWENTY-SIXTH STREET,
NEW YORK, August 24, 1898.

PROPOSALS FOR THE MATERIALS AND WORK REQUIRED FOR REMOVAL OF OLD CHIMNEY AND THREE OLD BOILERS, ERECTION OF SELF-SUPPORTING STEEL STACK, FOUR NEW DOWN-DRAFT BOILERS, ERECTION OF DERRICK AND COAL YARD, AND CERTAIN REPAIRS, ADDITIONS AND ALTERATIONS TO STEAM-HEATING APPARATUS AT ALMSHOUSE, BLACKWELL'S ISLAND.

SEALED BIDS OR ESTIMATES FOR THE Materials and Work required for Removal of Old Chimney and Three Old Boilers, Erection of Self-supporting Steel Stack, Four new Down-draft Boilers, Erection of Derrick and Coal Yard and Certain Repairs, Additions and Alterations to Steam-heating Apparatus at Almshouse, Blackwell's Island, in conformity with plans and specifications, will be received at the Office of the Department of Public Charities, foot of East Twenty-sixth street, in The City of New York, until 12 o'clock, M.

TUESDAY, SEPTEMBER 6, 1898.

The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for the Materials and Work required for Removal of Old Chimney and Three Old Boilers, Erection of Self-supporting Steel Stack, Four new Down-draft Boilers, Erection of Derrick and Coal Yard, and Certain Repairs, Additions and Alterations to Steam-heating Apparatus at Almshouse, Blackwell's Island," with his or their name or names, and the date of its presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department, or his duly authorized agent, and read.

THE BOARD OF PUBLIC CHARITIES RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED BY LAW. No bid or estimate will be accepted from or contract awarded to any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The award of the contract will be made as soon as practicable after the opening of the bids. Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect, and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract, by his or their bond, with two sufficient sureties, each in the penal amount of Eight Thousand Dollars (\$8,000).

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; also that it is made without any connection with any other person making an estimate for the same purpose and is in all respects fair and without collusion or fraud, and that no member of the Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the VERIFICATION be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his or their sureties for its faithful performance, and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in The City of New York, and is worth the amount of the security required for the completion of this contract over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of The City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of The City of New York.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the

National or State banks of The City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be enclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and be retained by The City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

Bidders are cautioned to examine the plans and specifications for particulars of the work, etc., required before making their estimates, and are cautioned against referring to any specifications other than those furnished by the Department. Such references are cause for rejecting bids when they are written, and will in no case govern the action of the Department officers in passing upon tenders.

Bidders will write out the amount of their estimates in addition to inserting the same in figures. Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract.

The form of the contract, including specifications, and showing the manner of payment, can be obtained and plans seen at the office of the Supervising Engineer, foot of East Twenty-sixth street, and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities will insist upon its absolute enforcement in every particular.

JOHN W. KELLER, President,
ADOLPH SIMIS, Jr., Commissioner,
JAMES FEENEY, Commissioner,
Department of Public Charities.

DEPARTMENT OF DOCKS AND
FERRIES.

DEPARTMENT OF DOCKS AND FERRIES,
PIER "A," NORTH RIVER.

TO CONTRACTORS.

(No. 631.)

PROPOSALS FOR ESTIMATES FOR PREPARING FOR AND FOR COMPLETING THE RECREATION BUILDING AT THE FOOT OF NORTH SECOND STREET, EAST RIVER, IN THE BOROUGH OF BROOKLYN.

ESTIMATES FOR PREPARING FOR AND for completing the Recreation Building at the foot of North Second street, East river, in the Borough of Brooklyn, will be received by the Board of Docks, at the head of the Department of Docks and Ferries, at the office of said Department, on Pier "A," foot of Battery place, North river, in The City of New York, until 11 o'clock A. M. on

TUESDAY, SEPTEMBER 6, 1898,

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract, in the manner prescribed and required by ordinance, in the sum of Five Thousand Dollars.

The Engineer's estimate of the nature, quantities and extent of the work is as follows:

1. Yellow Pine Lumber, 6" x 6", about 144 feet, B. M., measured in the work.
2. Spruce Furring, Jack Rafters and Nailing Strips, about 18,400 feet, B. M., measured in the work.
3. Tongued and grooved edge-grained Yellow Pine Flooring—

- a. New flooring to be laid over areas occupied by toilet rooms, about 528 square feet, laid.
- b. Present flooring to be removed and replaced, about 9,244 "

NOTE.—It is impossible to estimate at the present time the amount of this flooring, which after being removed, may be in sufficiently good condition to warrant its being replaced in the work. The contractor, therefore, will be required to estimate this item accordingly. New flooring will be required over the toilet-room area.

- c. Furred flooring or platforms at main entrances, about 154 square feet.

4. Tongued and grooved Spruce Sheathing for roof, 7/8" x 6", about 12,800 square feet, laid.

NOTE.—These sheathing boards are believed to be at the present time on the deck of the pier ready for use; but any deficiency in the amount required will be made good by the contractor without extra charge.

5. White Pine half-round Moulding, about 412 linear feet.
6. Screw Bolts, 5/8", 3/4" and 1 1/2", with nuts, and 3/4" Lag Screws, about 2,050 pounds.
7. Carriage Bolts, 1/2" and 3/4", about 1,850.
8. Structural Steel—

- a. Structural steel, including rolled plates and shapes, girders, beams, connections, bolts, rivets, angle clips and fastenings for joints and connections in structural steel work to be furnished and erected by the contractor, about 188,000 pounds.
- b. Erection of three roof trusses.
- c. Erection of two main stairs.

NOTE.—The material for the roof trusses and the stairs is believed to be at present on the site of the work. The contractor will assemble it and erect it, and provide all necessary fastenings for properly placing it in the structure.

9. Cast-iron Washers for 3/4" and 1 1/2" screw-bolts, about 405 pounds.

10. Galvanized Wrought Iron—

- a. Galvanized-iron Wire Screens, about 345 square feet.
- b. Hasps, 3
- c. Staples, 3
- d. Hinges, 10 feet.
- e. Chains for scuttle hatch, about 2
- f. Cleats for flag-poles, 164 feet.
- g. Two-inch wrought-iron pipe hand-rail for stairs, with brackets and fastenings, about 164 feet.

11. Corrugated Iron No. 26, about 3,100 square feet.
12. Galvanized Sheet Iron No. 26—

- a. Eaves cornice with gable-end cornice and pediment, about 660 linear feet.
- b. 4" corrugated sheet-iron leaders, with elbows, bends, goose-necks, fastenings, galvanized-iron wire strain-ers, etc., about 185 feet.

13. Wrought-iron Pipe Leaders, 4" diameter, about 64 feet.
14. Tin Roofing with flashings, about 14,000 square feet.

NOTE.—It is believed that the tin for this work is at present on the pier at the site of the work, but the contractor's attention is called to the note at the end of this list of quantities in regard to deficiency of material.

15. Railing—

- a. Railing posts of 5/8" cast-iron, 64
- b. Railing Panels, including 1" x 3/4" wrought-iron open web, riveted to 2" channel-iron frames, with 2" wrought-iron pipe hand-rail, surmounted with a cast-iron picket rail, 88 panels.

16. Miscellaneous—

- a. Bostwick Gates for main entrances, 2

NOTE.—The material for these gates is believed to be on the site of the work. See note at end of this list of quantities.

- b. Doors for toilet-rooms, 3' x 7' x 1 1/2", 2
- c. Brass Padlocks, 5
- d. Cast-iron Wheel Guards, 6
- e. Trucks for flag-poles, 2
- f. Halyards for flag-poles, 4
- g. Nova Scotia Spruce flag poles, 30' long, including gilded ball, straps, brackets, hold-fasts, stay-ropes, rings and all fastenings, 2

17. Painting, 2 coats.

- a. Tin Roofing, about 12,800 square feet.
- b. Exterior and interior metal-work of every description, exclusive of cornices, structural iron and steel, and exclusive of railing, about 6,150 square feet.

- c. Structural Iron and Steel, about 225 tons.
- d. Railing, about 426 linear feet.
- e. Galvanized-iron Cornices, about 644 "
- f. Exposed Woodwork, about 30,200 square feet.
- g. Flag-poles, 2

18. Labor of every description, including the erection of three roof trusses at present on the site of the work, and the erection of two main stairs, the strings, treads, risers, platforms, etc., for which are at present on the site of the work. Also labor of every description for completing the structure in accordance with the plans and specifications.

19. Removal of material rejected or not to be replaced in the structure.

NOTE.—All material of this character, excepting the 15-inch steel purlins, will become the property of the contractor, and the value of such material must be considered in the estimated cost for its removal.

20. Out-of-town shop and mill inspection of structural iron and steel to be estimated at \$1 per ton, about 94 tons.

NOTE.—In the above statement of quantities no allowance is made for scarfs, laps, wastes or for dressing in the case of timber.

Where a deficiency of material for the completion of this structure occurs in the case of material believed at present to be available on the site of the work, the contractor must supply this deficiency without extra charge, and he must take due cognizance of this point and investigate for himself the probability of this event, and his bid for the work must be made with a due knowledge that this requirement will be enforced.

N.B.—As the above-mentioned quantities, though stated with as much accuracy as is possible in advance, are approximate only, bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

(1) Bidders must satisfy themselves by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an estimate, dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

(2) Bidders will be required to complete the entire work to the satisfaction of the Department of Docks and Ferries, and in substantial accordance with the specifications of the contract and the plans therein referred to. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed at the price therefor, to be specified by the lowest bidder, shall be due or payable for the entire work.

The work to be done under the contract is to be commenced within five days after the date of the receipt of a notification from the Engineer-in-Chief of the Department of Docks and Ferries that the work or any part of it is ready to be begun, and all the work to be done under this contract is to be fully completed on or before the expiration of 45 days after the date of service of said notification, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

All material to be removed from the present structure, excepting the 15-inch I beam purlins, will become the property of the contractor, and he will remove it from the site of the work. The value of all such material must be taken into consideration in bidding on the work to be done under the contract.

Where the City of New York owns the wharf, pier or bulkhead at which the materials under this contract are to be delivered, and the same is not leased, no charge will be made to the contractor for wharfage upon vessels conveying said materials.

Bidders will state in their estimates a price for the whole of the work to be done, in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder. The award of the contract, if awarded, will be made to the bidder who is the lowest for doing the whole of the work, and whose estimate is regular in all respects.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing this work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of

a notice to that effect; and in case of failure or neglect so to do, he or they will be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence, the names of all persons interested with them therein, and if no other person be so interested, the estimate shall distinctly state the fact; also that the estimate is made without any consultation, connection or agreement with, and the amount thereof has not been disclosed to, any other person or persons making an estimate for the same purpose, and is not higher than the lowest regular market price for the same kind of labor or material, and is in all respects fair and without collusion or fraud; that no combination or pool exists of which the bidder is a member, or in which the bidder is directly or indirectly interested, or of which the bidder has knowledge, either personal or otherwise, to bid a certain price or not less than a certain price for said labor or material, or to keep others from bidding thereon, and also that no member of the Municipal Assembly, head of a department, chief of a bureau, deputy thereof, or clerk therein, or any other officer or employee of the Corporation of The City of New York, or any of its departments, is directly or indirectly interested in this estimate, or in the supplies or work to which it relates, or in any portion of the profits thereof, and has not been given, offered or promised, either directly or indirectly, any pecuniary or other consideration by the bidder or anyone in his behalf with a view to influencing the action or judgment of such officer or employee in this or any other transaction heretofore had with this Department, which estimate must be verified by the oath, in writing, of the party making the estimate that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed to by all the parties interested.

In case a bid shall be submitted by or in behalf of any corporation, it must be signed in the name of such corporation by some duly authorized officer or agent thereof, who shall also subscribe his own name and office. If practicable, the seal of the corporation should also be affixed.

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of The City of New York any difference between the sum to which said person or persons would be entitled upon its completion and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work to be done by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in The City of New York, and is worth the amount of the security required for the completion of the contract over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of The City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of The City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Bidders are informed that no deviation from the specifications will be allowed unless under the written instructions of the Engineer-in-Chief.

No estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

In case there are two or more bids at the same price, which price is the lowest price bid, the contract, if awarded, will be awarded by lot to one of the lowest bidders.

THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Department, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

Dated New York, July 27, 1898.
J. SERGEANT CRAM,
CHARLES F. MURPHY,
PETER F. MEYER,
Commissioners of Docks.

DEPARTMENT OF DOCKS AND FERRIES,
PIER "A," NORTH RIVER.

TO CONTRACTORS.

(No. 639.)

PROPOSALS FOR ESTIMATES FOR PREPARING FOR AND BUILDING A NEW PIER AT THE FOOT OF WATTS STREET, NORTH RIVER, IN THE BOROUGH OF MANHATTAN.

ESTIMATES FOR PREPARING FOR AND building a New Pier, at the foot of Watts street, North river, will be received by the Board of Commissioners, at the head of the Department of Docks and Ferries, at the office of said Department, on Pier "A," foot of Battery place, North river, in The City of New York, until 11 o'clock A. M. on

FRIDAY, SEPTEMBER 3, 1898,

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract, in the manner prescribed and required by ordinance, in the sum of Twenty-three Thousand Dollars.

The Engineer's estimate of the nature, quantities and extent of the work is as follows:
