

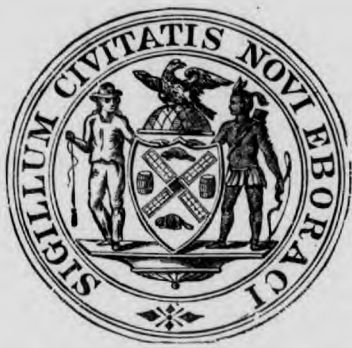
THE CITY RECORD.

OFFICIAL JOURNAL.

VOL. XXII.

NEW YORK, SATURDAY, JULY 7, 1894.

NUMBER 6,436.



FIRE DEPARTMENT.

Report for the Quarter and Year ending December 31, 1893.

HEADQUARTERS FIRE DEPARTMENT,
NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, April 12, 1894.

Hon. THOMAS F. GILROY, Mayor:

SIR—I have the honor to forward herewith report of operations, etc., of this Department for the quarter and year ending December 31, 1893.

Very respectfully,

JOHN J. SCANNELL, President.

HEADQUARTERS FIRE DEPARTMENT—CITY OF NEW YORK,
NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET,
OFFICE BOARD OF COMMISSIONERS,
NEW YORK, April 10, 1894.

To the Hon. THOMAS F. GILROY, Mayor of New York:

SIR—We have the honor to submit herewith the report of the actions and condition of this Department during the year 1893, including the quarter ending December 31 of that year.

The conditions and circumstances described in this report continue partly up to the time of its date. No great conflagration has visited the American metropolis in the past year; a few notable fires have taken place and the number of fires generally has increased. Giving due credit to the zeal, discipline and good management of our uniformed force in extinguishing fires before they have taken dangerous dimensions, we have to be thankful that no fires have broken out in dangerous places at times of violent storms, such as produce widespread calamities in spite of the skill and watchfulness of men. The possibilities of danger still exist in this city. An abundant supply of water for the extinguishing of fires is not everywhere provided. The number of hydrants is not sufficient in many places. The exigencies of commerce and industries have made use of many houses but slightly protected against dangerous casualties, and the immense height of those of our new buildings which are not exclusively used for offices but are filled with inflammable material, is a threat to their surroundings. No engines of the most improved construction can throw water to the height of these towers in the air.

The fact that the number of fires in the large cities of the United States is much greater than in European cities of similar magnitude, and that, therefore, the latter, with the exception of London, are able to get along with much smaller fire departments than the former, is largely owing to the difference in the construction of buildings. But in at least one of the capitals of Europe, namely, in Berlin, not quite as large as New York, the number of fires has been greater than here, and the increase has been larger. In the year 1891 there were 4,700 fires in Berlin, 484 more than in the previous year. We had only 3,938 fires in that time, an increase of 459 on the year before. This increase is not considered extraordinary by the authorities of the German capital and is explained by the growth of commerce and industries and the conditions thereby created. Some of the reasons for the increasing numbers of fires in this city are well understood and will be noticed by studying the map showing their numbers in the various districts. One source of danger is the construction of buildings as dwellings for families with the so-called light and air shafts, which might properly be called fire-shafts; another source of danger is the rapid development of modern technical industry, which is not always conducted with proper understanding and care.

The work of the Fire Marshal has been quite heavy for the past year owing to the necessity for a searching investigation in a large number of fires, for the purpose of determining their cause, etc. As regards incendiarism there has been a decided decrease within the year, due to two principal causes—one being the greater care exercised by the insurance companies in the selection and placing of risks, a care that might well be increased and directed to the holding to a greater responsibility of brokers through whom the great mass of the smaller risks is secured; the other being the activity displayed by the District Attorney's office in the prosecution to a successful issue of the cases of arson presented by this Bureau, of which 14 were disposed of during the year 1892, resulting in sentences aggregating about 120 years. In 1892 there were 40 incendiary fires, while in 1893 there were but 18 that could be properly classed as such. Attention is called to the great number of fires originating from kerosene-oil lamps and stoves, of which a large number occur in tenement houses in the absence of the occupants of the apartments, and while the latter are closed and locked. It would appear to be a prudent and necessary precaution against fires of this kind, involving great risk to life and property, and often a cloak for incendiarism which it is difficult to penetrate, to have that section of the Penal Code, providing for the punishment for a misdemeanor of persons who are "negligent in respect to fires," so amended as to include persons who leave any kerosene or other oil lamp or oil-stove burning in an apartment in a tenement house, during the absence of the occupant of the apartment, and while the latter is closed and locked up. It is suggested that such an amendment be advocated at the next session of the Legislature.

The fires in this city during 1893 numbered 4,151, an increase of 140 over the number of fires in 1892, and the increase in loss, as estimated, was \$931,610. Of the total estimated loss of the year 55.68 per cent. resulted from 19 fires, having losses ranging from \$50,000 upward. The average loss per fire in the year was \$1,443.64. Deducting the 19 fires referred to, the average loss per fire from the remaining 4,132 was only \$642.68. In 1888, and for a few years prior thereto, the proportion of fires occurring in that part of the City of New York lying north of Fifty-ninth street was about 20 per cent. of the whole number occurring in the city, while in 1893 the proportion has grown to 28 per cent. due to the change in character, and to the rapid increase in the business and tenement population within that area.

The rapid extension of the city and the spreading of its population call annually for an increase of the number of men, houses, machinery and material of this Department. An increase of expenditures in proportion to this extension is unavoidable, but care should be taken against any undue increase in the cost of its maintenance.

Since our last annual report was prepared, changes have been made in the laws governing this Department.

Heretofore members of the uniformed force could be retired from service and placed on the pension list only when, upon examination by the Medical Officers of the Department, they were found to be disqualified physically or mentally for the performance of their duties. But by a recent act of the Legislature, chapter 73, Laws of 1894, it has been provided that any officer or member of the uniformed force, who has or shall have performed duty therein for a period of twenty years or more, shall, upon his own application, be retired from service and awarded a pension from the relief fund of not less than one-half of the full salary paid him before such retirement. This act has not yet been in operation long enough to demonstrate the extent to which the members of the force will avail themselves of its privileges, but the records of the Department show that there are not less than 250 officers and men now eligible to retirement under its provisions. Should these generally elect to retire from service, the drafts made to meet their pensions would soon exhaust the relief fund. It is not supposed that under ordinary circum-

stances this law will have such result, but it might tend to injure the discipline of a body of men often forced to face personal danger. Any one of the 250 may confront us at any trial for breach of discipline with a demand to be retired on a comfortable pension. It may also interfere with the promotions of men nearing or beyond that time of service.

Another act passed by the Legislature at its present session affecting the Department, is chapter 76 of the Laws of 1894. This act provides for the issuing of bonds by the City to an amount not exceeding \$150,000 annually, the proceeds to be used for the purchase of sites as, and the erection of, new buildings for the use of this Department, and for placing the wires of its telegraph and alarm system underground. These expenses have been heretofore provided for in the annual appropriation for the support of the Department, but as the objects contemplated are in the nature of permanent improvements rather than operating expenses, it was thought that they should not be wholly charged upon and provided for out of current annual taxation.

A third matter of legislation during the present session of the Legislature is the act which provides for condemnation proceedings for the acquiring of land for building sites for the use of this Department. Difficulty has sometimes been experienced in obtaining sites for buildings in desired locations, and it is hoped that this act will facilitate the work of the Department in future.

Personnel.

Headquarters—		
Commissioners.....		3
Secretary and Assistant Secretary.....		2
Medical Officers.....		3
Bookkeeper, Stenographer and Clerks.....		9
Superintendent of Supplies.....		1
Assistant Superintendent, Repairs to Buildings.....		1
Janitor, Elevator Attendant, Watchman, Stokers and Drivers.....		8
Scrub Women.....		2
		29
Bureau Chief of Department—		
Active—Uniformed:		
Chief of Department and Deputies.....		3
Chiefs of Battalion.....		12
Foremen.....		81
Assistant Foremen.....		103
Engineers of Steamer.....		132
Firemen { First Grade.....	607	
Second Grade.....	69	
Third Grade.....	51	
		727
		1,058
Active—Ununiformed:		
Pilots, Engineers, Stokers, { On fire-boats, {.....		4
		3
		10
		17
Total active service.....		1,075
Bureau Chief of Department—		
Relieved from active service—Uniformed:		
Deputy Chief of Department.....		1
Chiefs of Battalion.....		4
Foremen.....		13
Assistant Foremen.....		6
Engineers of Steamer.....		14
Firemen.....		68
Private.....		1
		107
These officers and men, although nominally still members of the Department, render no service of any kind and receive no salary, but a pension.		
Aggregate active and relieved.....		1,182
Bureau of Inspector of Combustibles—		
Inspector of Combustibles.....		1
Clerk.....		1
Surveyors.....		4
Oil Collectors.....		5
		11
Bureau of Fire Marshal—		
Fire Marshal.....		1
Assistants to Fire Marshal.....		2
Clerks.....		2
Stenographer and Typewriter.....		1
		6
Attorney to the Department.....		1
Fire Alarm Telegraph—		
Superintendent of Telegraph.....		1
Chief Operator.....		1
Operators.....		5
Assistant Operators.....		4
Clerk.....		1
Inspectors of Alarm Boxes.....		2
Batteryman and Assistant Batteryman.....		2
Foreman.....		1
Machinist.....		1
Machinist's Helper.....		1
		19
Repair Shops—		
Superintendent of Repairs to Buildings.....		1
Foreman.....		1
Shop Engineer.....		1
Machinists.....		24
Machinists' Helper.....		1
Blacksmiths.....		7
Blacksmiths' Helpers.....		3
Wheelwrights.....		6
Wheelwrights' Helper.....		1
Harness Makers.....		2
Harness Makers' Helper.....		1
Hose Repairers.....		2
Hose Repairers' Helpers.....		2
Painters.....		8
Watchman.....		1
Drivers.....		5
Janitor.....		1
Laborers.....		3
Carpenter.....		1
		71
Hospital Stables—		
Foreman.....		1
Drivers.....		2
Stablemen.....		6
		9
Aggregate.....		1,328

Appropriations (including Transfers) and Expenditures.

TITLE OF APPROPRIATION.	AMOUNT OF APPROPRIATIONS AND TRANSFERS.	EXPENDITURES AND TRANSFERS.	BALANCE.
For salaries—			
Headquarters	\$55,188 95	\$55,188 95	.....
Bureau Chief of Department	1,495,460 95	1,495,153 59	\$306 96
“ Inspector of Combustibles	17,441 78	17,441 78	.....
“ Fire Marshal	9,658 32	9,658 32	.....
Attorney	4,000 00	4,000 00	.....
Fire-alarm Telegraph	26,945 00	26,925 16	18 84
Repair Shops	67,000 00	66,973 71	26 29
Hospital Stables	7,438 50	7,246 56	91 94
Total salaries	\$1,683,133 50	\$1,682,689 47	\$444 03
For Apparatus, Supplies, etc.	\$388,860 00	\$388,860 00	.....
For Placing Fire-alarm Conductors Underground	50,000 00	50,000 00	.....
For New Houses for Engine and Hook and Ladder Companies	70,000 00	70,000 00	.....
For New Sites for Apparatus Houses	35,000 00	4,093 00	\$30,907 00
Total Apparatus, etc.	\$43,860 00	\$512,953 00	\$30,907 00
Grand Total	\$2,226,993 50	\$2,195,642 47	\$31,351 03

Of the expenditures, the following amounts were under contracts, awarded upon proposals advertised for as provided by law :

Apparatus, supplies, etc.—

For forage	\$39,074 50
For fuel	37,108 00
For new fire engines	21,100 00
For repairs to fire engines	3,700 00
For new hose	17,850 00
For new hose wagons	1,544 00
For new trucks	6,128 00
For repairing trucks	1,250 00
For repairs and alterations to buildings	31,610 00
For repairs to fire-boats	5,824 60
For altering street boxes	2,688 00
Total	\$167,876 50
For placing fire-alarm telegraph electrical conductors under ground	\$45,789 02
For new houses for engine and hook and ladder companies	40,730 00
Total	\$86,519 02
Grand total	\$254,395 52

Amount of Bills and Pay-rolls Audited.

Bills for 1891	\$6,881 75
Bills for 1892	79,886 41
Bills for 1893	375,393 24
Total bills	\$462,161 40
Pay-rolls for 1893	1,682,689 47
Total bills and pay-rolls	\$2,144,850 87

BUREAU CHIEF OF DEPARTMENT.

The fire extinguishing force comprises 58 engine companies and 22 hook and ladder companies, 9 of the former and 1 of the latter being what are known as double companies, consisting of a total of 20, officers and men, equipped with two sets of apparatus and formed into two sections, one of which remains in quarters when the other responds to an alarm, for the purpose of covering the unprotected territory.

The number of officers and men in single companies is 12; in companies having charge of water towers the number is 16.

To each company is assigned a district within whose limits commanding officers are responsible for violations of law, and for the condition of the alarm boxes, keys, cards in boxes, cards of instructions, etc.

The companies are organized into 13 battalions, consisting of five to nine companies each, under the command of a Chief of Battalion. The First, Second, Third Fourth, Fifth and Sixth Battalions form the First District, and are commanded by a Deputy Chief of Department; the remaining battalions compose the Second District, and are likewise commanded by a Deputy Chief. The entire force is commanded by the Chief of Department.

The notable fires described herein are those which have necessitated the calling into service of an extraordinary number of companies by reason of the area covered by the fire; those which have occurred in the upper parts of buildings of unusual height, thereby rendering more than ordinarily difficult the work of extinguishing them, and those which have been attended by large pecuniary loss, or marked by some exceptional circumstance.

On June 1 Engine Company No. 58 was organized, and located in a building erected for the purpose at No. 81 West One Hundred and Fifteenth street, its equipment comprising a steam engine and a hose wagon. This company performs duty in the part of the city between One Hundred and Fifth and One Hundred and Twenty-fifth streets, on the first alarm, a section which has developed rapidly within the past two or three years.

A building is in process of erection in One Hundred and Thirty-seventh street, near Seventh avenue, for which a company will be organized early in 1894, to cover the upper central portion of the city, which is also developing rapidly. This company will be located on a direct line with the Madison Avenue Bridge, and will include within its territorial limits many stations in the lower section of the Annexed District and on the south and west sides of the Harlem river as well.

A revised Assignment Book, for the instruction and guidance of the force, has been prepared. The renewal of this book is rendered necessary at intervals of two or three years by reason of the changed character of the buildings in various localities, notably the substitution of large business buildings for former dwelling-houses.

This book contains the code of alarm stations, together with a list of the companies and chief officers assigned to duty thereat, and the assignments to cover territory and of the companies and chief officers on reserve. It also contains lists of the fuel depots and of the companies designated to procure fuel at fires, of the numbers and locations of alarm boxes and the buildings connected with the Central Office by special signals, of the location of buildings equipped with the sprinkler-pipe system and arranged for connection with the Department apparatus, of the special calls and other signals, of the boundaries of the various company and battalion districts, of the locations of the various Department buildings, and, finally, of the rules prescribed for the government of the force in connection with responding to and returning from alarms, etc.

Kind and Number of Apparatus, Number of Alarms each Company Responded to and Performed Duty at.

COMPANY.		APPARATUS.						No. of Alarms Responded to.	No. of Fires Performed Duty at.	REMARKS.	
		ENGINES.		Four-Wheel Hose Wagons (2 horses each.)	TENDERS.		HOOK AND LADDER TRUCKS.				
		2 Horses.	3 Horses.		2 Wheel (1 Horse).	4 Wheel (2 Horses).	2 Horses.				3 Horses.
Engine	1.....	..	I	I	..	..	..	..	21	85	* Water tower. { One boat tender (hose wagon). <

COMPANY.	APPARATUS.						No. of Alarms Responded to.	No. of Fires Performed Duty at.	REMARKS.	
	ENGINES.		Four-Wheel Hose Wagons (2 horses each).	TENDERS.		HOOK AND LADDER TRUCKS.				
	2 Horses.	3 Horses.		2 Wheel (1 Horse).	4 Wheel (2 Horses).	2 Horses.				3 Horses.
Hook and Ladder 14.....	I	260	223	One boat tender (hose wagon).
" 15.....	I	..	..	..	I	90	53	
" 16.....	I	214	119	
" 17.....	I	..	88	72	
" 18.....	I	500	259	
" 19.....	I	..	..	I	..	36	18	
" 20.....	I	329	140	
" 21.....	*I	I	361	175	
" 22.....	I	99	63	
Total.....	36	28	31	9	27	10	21	* Water tower.

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

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.
<i>Chief of Department.</i>					
Bonner, Hugh.....	27	Foreman	Sept. 18, 1865	Chief of Battalion.. 2d Assistant Chief of Department.. Assistant Chief of Department.. Chief of Department	May 21, 1873 Jan. 4, 1883 May 1, 1884 May 22, 1889
<i>Deputy Chiefs of Department.</i>					
Reilly, Francis J.....	22	Fireman	Sept. 27, 1865	Assistant Foreman.. a Foreman.. Assistant Foreman.. Foreman.. Chief of Battalion.. b 2d Assistant Chief of Department.. Deputy Chief of Department	Oct. 15, 1870 July 1, 1871 May 1, 1872 June 6, 1872 Feb. 1, 1880 Aug. 4, 1886 May 22, 1889
Purroy, Charles D.....	24	Private	Jan. 22, 1880	Fireman.. Assistant Foreman.. Foreman.. Chief of Battalion.. Deputy Chief of Department	Apr. 1, 1880 Apr. 5, 1881 Dec. 31, 1882 May 1, 1884 Jan. 2, 1893
<i>Chiefs of Battalion.</i>					
1. Gicquel, Benj. A.....	24	Fireman	Oct. 16, 1865	Assistant Foreman.. Foreman.. District Engineer.. Chief of Battalion..	Jun. 22, 1866 June 1, 1866 July 1, 1871 May 21, 1873
2. Rowe, William.....	24	Foreman	Oct. 20, 1865	Chief of Battalion..	May 21, 1873
3. Fisher, John S.....	34	Fireman	Jan. 9, 1868	Assistant Foreman.. Foreman.. Chief of Battalion..	June 1, 1868 July 15, 1869 May 21, 1873
4. Bresnan, John J.....	22	Fireman	Oct. 20, 1865	Assistant Engineer of Steamer.. Assistant Foreman.. Foreman.. Chief of Battalion..	Mar. 16, 1871 July 1, 1871 Mar. 1, 1873 Feb. 1, 1880
5. Lally, Thomas.....	22	Fireman	Aug. 15, 1870	Assistant Foreman.. Foreman.. Chief of Battalion..	Apr. 21, 1873 Nov. 1, 1881 May 1, 1884
6. McGill, Joseph F.....	23	Fireman	Mar. 21, 1866	Assistant Foreman.. Foreman.. Chief of Battalion..	Apr. 1, 1870 Oct. 1, 1872 Aug. 12, 1884
7. Cashman, John J.....	22	Fireman	Oct. 17, 1866	Assistant Foreman.. Foreman.. Chief of Battalion..	Feb. 15, 1872 Apr. 27, 1879 Aug. 4, 1880
8. Short, Peter H.....	26	Fireman	May 1, 1875	Assistant Foreman.. Foreman.. Chief of Battalion.. c Foreman.. Chief of Battalion..	June 1, 1880 Apr. 18, 1883 Aug. 4, 1886 July 1, 1887 May 22, 1883
9. Duane, William.....	28	Fireman	Aug. 8, 1868	Assistant Foreman.. Foreman.. Chief of Battalion..	July 20, 1871 Nov. 1, 1881 Jan. 1, 1892
10. Shea, Joseph.....	29	Foreman	May 20, 1884	Chief of Battalion..	Jan. 2, 1893
11. Ahearn, Thomas J.....	23	Fireman	May 9, 1873	Assistant Foreman.. Foreman.. Chief of Battalion..	Apr. 1, 1881 Feb. 25, 1886 Jan. 2, 1893
12. Croker, Edward F.....	21	Private	June 22, 1884	Assistant Foreman.. Foreman.. Chief of Battalion..	Aug. 16, 1884 Feb. 25, 1886 Jan. 2, 1893
<i>Foremen.</i>					
1. Poynton, Joseph.....	26	Foreman	Sept. 8, 1865		
2. Spence, Arnot.....	31	Foreman	Oct. 20, 1865		
3. Donohue, Patrick.....	26	Fireman	Sept. 27, 1865	Assistant Foreman.. Foreman	June 1, 1868 Feb. 1, 1869
4. Best, Samuel.....	32	Fireman	June 14, 1866	Assistant Foreman.. Foreman	Apr. 17, 1867 Mar. 1, 1869
5. Shaw, William.....	27	Assistant Foreman	Oct. 2, 1865	Foreman	May 1, 1869
6. McCormick, Jas. A.....	27	Fireman	Oct. 6, 1865	Assistant Foreman.. Foreman	June 23, 1868 June 15, 1869
7. Castles, John.....	27	Fireman	July 27, 1866	Assistant Foreman.. Foreman	Apr. 1, 1869 July 15, 1869
8. McLaughlin, Wm.....	29	Fireman	May 22, 1868	Assistant Foreman.. Foreman	June 1, 1869 Mar. 1, 1870
9. Erb, George W.....	23	Fireman	Oct. 11, 1865	Assistant Foreman.. Foreman	Feb. 1, 1869 July 25, 1870
10. Hayes, William F.....	27	d Fireman.. Fireman	July 31, 1865 Apr. 1, 1866	Assistant Foreman.. Foreman	Oct. 1, 1869 Oct. 15, 1870
11. Landers, Wm. H.....	41	Fireman	Sept. 29, 1865	Assistant Foreman.. Foreman	Nov. 17, 1865 Dec. 24, 1870
12. Wolff, Charles A.....	33	Fireman	Mar. 21, 1866	Assistant Foreman.. Foreman	Aug. 1, 1870 July 1, 1871
13. Meagher, Daniel J.....	23	Fireman	Oct. 6, 1865	Assistant Foreman.. Foreman	Dec. 24, 1870 Nov. 1, 1871

NAME.	Age.	ORIGINAL APPOINTMENT.		PROMOTION.	
		Grade.	Date.	Grades	Dates.
14. Vetter, Peter, Jr.....	26	Fireman	Oct. 27, 1865	Assistant Foreman.. Foreman	June 1, 1868 May 1, 1872
15. Cowie, John A.....	30	Assistant Foreman	Sept. 14, 1865	Foreman	Mar. 1, 1873
16. Jones, Henry M.....	27	Assistant Foreman	Sept. 27, 1865	Foreman	Mar. 1, 1873
17. Ward, John.....	26	Fireman	Sept. 25, 1865	Assistant Foreman.. Foreman	Jun. 1, 1870 Mar. 1, 1873
18. Connor, David.....	25	Fireman	July 31, 1865	Assistant Foreman.. Foreman	Nov. 1, 1871 June 16, 1873
19. Welsh, John.....	23	Fireman	Oct. 11, 1865	Engineer of Steamer.. Assistant Foreman.. Foreman	Aug. 1, 1866 Feb. 15, 1872 June 10, 1873
20. Perley, Hamilton F.....	21	Ass't Engineer of Steamer..	Mar. 15, 1873	Assistant Foreman.. Foreman	Jan. 15, 1874 Aug. 1, 1874
21. Van Horn, Thomas J.....	26	Fireman	May 6, 1871	Assistant Foreman.. Foreman	Jan. 15, 1874 Mar. 1, 1875
22. Kittson, Hugh.....	28	Fireman	Sept. 25, 1865	Assistant Foreman.. Foreman	July 1, 1873 Mar. 1, 1875
23. Eagan, John J.....	25	Fireman	Sept. 11, 1865	Assistant Foreman.. Foreman	Oct. 15, 1870 Aug. 20, 1875
24. Fisher, Isaac.....	22	e Engineer of Steamer.. Ass't Engineer of Steamer..	Oct. 1, 1869 Nov. 1, 1872	Engineer of Steamer.. Assistant Foreman.. Foreman	July 1, 1873 Apr. 15, 1874 Dec. 2, 1875
25. Wray, Robert.....	23	Fireman	Oct. 16, 1865	Assistant Engineer of Steamer.. Assistant Foreman.. Foreman	June 1, 1871 Sept. 1, 1874 Mar. 12, 1877
26. Bradley, Daniel.....	30	Fireman	Mar. 1, 1866	Assistant Foreman.. Foreman	Mar. 1, 1873 Apr. 3, 1878
27. Bermingham, William.....	34	Fireman	Dec. 15, 1873	Assistant Foreman.. Foreman	Oct. 1, 1875 Dec. 8, 1879
28. Farrell, Robert R.....	26	f Ass't Engin'r of Steamer.. Ass't Engineer of Steamer..	Nov. 1, 1871 Mar. 15, 1873	Assistant Foreman.. Foreman	Jan. 15, 1874 Feb. 1, 1880
29. Shay, Charles H.....	21	Private	Nov. 21, 1877	Fireman.. Assistant Engineer of Steamer.. Engineer of Steamer.. Assistant Foreman.. Foreman	Apr. 1, 1878 Apr. 1, 1878 Apr. 4, 1879 Dec. 10, 1879 June 1, 1880
30. Perley, Charles H.....	22	Private	Jan. 17, 1879	Assistant Foreman.. Foreman	Feb. 1, 1879 Aug. 25, 1880
31. O'Brien, Edward.....	23	Fireman	July 1, 1869	Assistant Foreman.. Foreman	Mar. 1, 1873 Sept. 17, 1880
32. Brown, William W.....	23	Fireman	June 14, 1866	Assistant Foreman.. Foreman	Dec. 1, 1873 Apr. 1, 1881
33. Byrne, Joseph P.....	28	Fireman	Oct. 1, 1871	Assistant Foreman.. Foreman	May 1, 1875 July 1, 1881
34. Colby, William J.....	30	Fireman	July 7, 1875	Assistant Foreman.. Foreman	June 1, 1876 Nov. 1, 1881
35. Shaw, Joseph.....	28	g Engineer of Steamer.. Ass't Engineer of Steamer..	Oct. 13, 1865 Feb. 1, 1874	Engineer of Steamer.. Assistant Foreman.. Foreman	Mar. 15, 1874 Aug. 8, 1878 Dec. 31, 1882
36. McAdams, Henry W.....	23	Fireman	Sept. 18, 1874	Assistant Foreman.. Foreman	Nov. 1, 1881 May 23, 1883
37. Murray, Henry.....	24	h Fireman.. Fireman	Oct. 13, 1865 Dec. 17, 1874	Assistant Foreman.. Foreman	Oct. 1, 1877 Jan. 15, 1884
38. Gooderson, Frederick W., Jr.....	23	Private	Oct. 13, 1879	Assistant Engineer of Steamer.. Assistant Foreman.. Foreman	Apr. 1, 1880 May 23, 1883 May 3, 1884
39. McCutchen, James.....	31	Fireman	Sept. 18, 1865	Assistant Foreman.. Foreman	Mar. 1, 1869 May 20, 1884
40. Connolly, Patrick J.....	28	Fireman	Jan. 15, 1873	Assistant Foreman.. Foreman	Nov. 16, 1881 May 20, 1884
41. Cosgrove, James.....	21	Private	Jan. 1, 1875	Assistant Engineer of Steamer.. Assistant Foreman.. Foreman	Mar. 21, 1880 July 1, 1881 June 6, 1884
42. Falvey, John.....	21	i Fireman.. Fireman	Mar. 11, 1871 July 18, 1874	Assistant Foreman.. Assistant Foreman.. Foreman	Feb. 15, 1872 Nov. 1, 1881 Aug. 1, 1884
43. McDonald, Alexander.....	28	j Fireman.. Fireman	July 31, 1865 June 12, 1873	Assistant Foreman.. Foreman	Jan. 7, 1876 Aug. 7, 1884
44. Binns, John.....	25	Private	Mar. 22, 1882	Assistant Foreman.. Foreman	May 20, 1884 Aug. 16, 1884
45. Golden, John J.....	30	Fireman	Dec. 18, 1874	Assistant Foreman.. Foreman	Feb. 1, 1883 Aug. 22, 1884
46. Barry, James.....	23	k Hoseman.. Fireman	Jan. 20, 1874 Feb. 12, 1876	Assistant Foreman.. Foreman	May 20, 1884 Aug. 22, 1884
47. Sullivan, Thomas.....	26	l Dist. Engineer.. Foreman	Sept. 6, 1865 Aug. 23, 1884		
48. Kenny, Thomas A.....	29	Fireman	Aug. 4, 1876	Assistant Foreman.. Foreman	July 10, 1879 Feb. 1, 1885
49. Lawler, Daniel.....	24	Fireman	May 1, 1875	Assistant Foreman.. Foreman	Aug. 16, 1884 Feb. 1, 1885
50. Callaghan, Daniel H.....	26	Fireman	Mar. 1, 1873	Assistant Foreman.. Foreman	July 10, 1879 June 25, 1885
51. Cook, Martin.....	23	Hoseman	Jan. 1, 1870	Assistant Engineer of Steamer.. Engineer of Steamer.. Assistant Foreman.. m Foreman	July 24, 1871 Jan. 13, 1874 Ja. 15, 1874 Mar. 1, 1875 Nov. 15, 1885
52. Cooney, John J.....	29	Private	Sept. 1, 1882	Assistant Engineer of Steamer.. Assistant Foreman.. Foreman	June 6, 1884 July 1, 1885 Nov. 15, 1885
53. White, John H.....	30	Fireman	Jan. 2, 1875	Assistant Foreman.. Foreman	Feb. 1, 1883 Feb. 25, 1886
54. Fraser, William D.....	21	Fireman	July 3, 1872	Assistant Foreman.. Foreman	May 20, 1884 Dec. 1, 1886
55. McNamara, Michael J.....	25	Fireman	Apr. 21, 1873	Assistant Foreman.. Foreman	Aug. 27, 1884 Dec. 1, 1885
56. Nugent, James M.....	24	Private	Jan. 4, 1884	Assistant Foreman.. Foreman	July 1, 1885 Jan. 15, 1887
57. O'Hearn, Thomas.....	29	Fireman	June 12, 1875	Assistant Foreman.. Foreman	July 1, 1883 Feb. 1, 1887

e Resigned, May 21, 1872.
f Resigned, May 21, 1872.
g Resigned, October 16, 1871.
h Resigned, March 31, 1869.

i Dismissed, June 19, 1874.
j Resigned, June 8, 1872.
k Resigned, July 1, 1875.
l Dropped, May 21, 1873.
m Reduced to Assistant Foreman, December 2, 1875.

a Reduced to Fireman, April 1, 1872.
b Re-assigned as Chief of Battalion, July 1, 1887.
c Re-assigned as Foreman, July 1, 1887.
d Resigned January 15, 1866.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.		NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.		Age.	Grade.	Date.	Grades.	Dates.
58. Seigmann, Louis L.....	24	Fireman.....	Feb. 8, 1871	{ Assistant Foreman. Foreman	Jan. 15, 1874 Mar. 1, 188	32. Kennedy, Matthew T.....	28	Private.....	Dec. 21, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman.	Nov. 21, 1878 May 23, 1883
59. McAvoy, Michael.....	25	Fireman.....	Dec. 1, 1865	{ Assistant Foreman. Foreman	Dec. 31, 1882 May 6, 1887	33. Margison, Charles.....	27	Private.....	Jan. 22, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman.	May 1, 1879 May 23, 1883
60. Quirk, William.....	27	Private.....	May 19, 1881	{ Assistant Foreman. Foreman	May 20, 1884 Sept. 1, 1888	34. Jones, William H.....	29	Ladderman.....	Sept. 25, 1875	{ Private..... Assistant Foreman.	Apr. 1, 1878 May 23, 1883
61. Farley, Thomas	25	{ Fireman..... Fireman.....	May 13, 1868 Sept. 1, 1869	{ Assistant Foreman. Foreman	Apr. 10, 1882 June 1, 1889	35. Needham, John T.....	27	Private.....	Jan. 1, 1881	Assistant Foreman.	May 23, 1883
62. Gormley, Patrick.....	28	Private	May 15, 1884	{ Assistant Foreman. Foreman	July 1, 1885 June 6, 1889	36. Hopper, Charles.....	25	{ Fireman..... Fireman.....	Mar. 1870 Feb. 1876	Assistant Foreman.	Aug. 1, 1883
63. Moss, Joseph.....	28	Fireman.....	Dec. 1, 1871	{ Assistant Foreman. Foreman	Nov. 1, 1881 June 6, 1889	37. Meehan, Edward.....	24	Fireman.....	July 23, 1870	Assistant Foreman.	Aug. 13, 1883
64. Honan, John S	25	Private.....	May 8, 1883	{ Assistant Foreman. Foreman	Nov. 15, 1885 Nov. 19, 1889	38. Beekler, Jacob.....	24	Fireman.....	Mar. 15, 1871	Assistant Foreman.	Nov. 1, 1883
65. Riordan, John.....	21	Fireman.....	Sept. 20, 1866	{ Assistant Foreman. Foreman	Nov. 1, 1871 Nov. 19, 1889	39. Autenreith, Charles J.....	25	Private.....	Feb. 12, 1881	{ Assistant Engineer of Steamer..... Assistant Foreman.	Dec. 17, 1881 May 20, 1884
66. Ryan, Patrick F.....	28	{ o Engineer of Steamer..... Ass't Engineer of Steamer.. }	Nov. 1, 1871 Sept. 6, 1874	{ Engineer of Steamer Assistant Foreman. Foreman	July 21, 1875 Nov. 15, 1885 Aug. 22, 1890	40. Head, Thomas	26	Fireman.....	Feb. 15, 1869	Assistant Foreman.	May 20, 1884
67. Burke, Coleman J.....	22	Private.....	Jan. 1, 1878	{ Assistant Engineer Engineer..... Assistant Foreman. Foreman	Jan. 17, 1880 Jan. 1, 1886 Feb. 1, 1887 Aug. 22, 1890	41. Touhey, Martin J.....	23	Fireman.....	Mar. 15, 1872	Assistant Foreman.	May 20, 1884
68. Nash, William H.....	21	Fireman.....	Sept. 9, 1876	{ Assist nt Engineer of Steamer..... Engineer of Steamer Assistant Foreman. Foreman	Oct. 1, 1876 Jan. 1, 1886 Feb. 1, 1887 June 11, 1891	42. Donohue, Malachi.....	24	{ Fireman..... Fireman.....	June 10, 1870 Dec. 1, 1873	{ Assistant Foreman. Assistant Foreman.	Oct. 17, 1872 May 20, 1884
69. Farrell, George F	25	Private.....	Nov. 1, 1880	{ Assistant Foreman. Foreman	Feb. 1, 1887 June 11, 1891	43. Reed, Samuel.....	25	Fireman.....	Sept. 1, 1875	Assistant Foreman.	May 20, 1884
70. Conaghan, Patrick.....	23	Fireman.....	Oct. 20, 1865	{ Assistant Foreman. Foreman	Apr. 21, 1873 Nov. 15, 1891	44. Hennessey, William.....	30	{ w Fireman..... Private.....	Dec. 21, 1874 Jan. 18, 1882	Assistant Foreman.	May 20, 1884
71. Gaffney, Andrew.....	27	Fireman.....	Dec. 1, 1873	{ Assistant Foreman. Foreman	May 20, 1884 Nov. 15, 1891	45. Leonard, John H.....	32	Private.....	Feb. 1, 1877	{ Fireman..... Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman.	Apr. 13, 1877 Apr. 20, 1877 Oct. 4, 1887 Aug. 16, 1884
72. Norris, Richard J.....	25	Private.....	July 15, 1879	{ Assistant Foreman. Foreman	Feb. 1, 1887 Nov. 15, 1891	46. O'Grady, Joseph.....	27	Private	Nov. 24, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman.	Oct. 20, 1880 Aug. 16, 1884
73. Reilly, Michael A	22	Private.....	Apr. 4, 1881	{ Assistant Foreman. Foreman	Aug. 21, 1884 Nov. 15, 1891	47. Reilly, Bernard J.....	27	Fireman.....	May 1, 1875	Assistant Foreman.	Aug. 21, 1884
74. Grady, John J.....	26	Private.....	Feb. 20, 1882	{ Assistant Foreman. Foreman	Nov. 19, 1889 Nov. 15, 1891	48. McNamara, John J.....	26	Fireman.....	Dec. 7, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman.	Apr. 11, 1880 July 1, 1885
75. Barber, John.....	26	Fireman.....	Nov. 3, 1870	{ Assistant Foreman. Foreman	Feb. 1, 1883 Jan. 5, 1893	49. Petersen, Adolph J.....	25	Fireman.....	Oct. 25, 1873	Assistant Foreman.	July 1, 1885
76. Whelan, John T.....	29	Fireman.....	May 20, 1884	{ Assistant Foreman. Foreman	Dec. 1, 1886 Jan. 5, 1893	50. Tobin, Edward H.....	22	Fireman.....	May 4, 1875	Assistant Foreman.	July 1, 1885
77. Hanlon, Peter.....	31	Fireman.....	Feb. 13, 1874	{ Assistant Foreman. Foreman	June 1, 1889 Jan. 5, 1893	51. Beshinger, Joseph.....	23	Private.....	May 10, 1880	Assistant Foreman.	July 1, 1885
78. Barrett, Thomas F.....	24	Private.....	Feb. 1, 1883	{ Assistant Foreman. Foreman	Nov. 19, 1889 Jan. 5, 1893	52. Banta, Samuel.....	28	Private.....	Jan. 22, 1853	Assistant Foreman.	July 1, 1885
79. Martin, Joseph B.....	23	Private.....	Jan. 18, 1884	{ Assistant Foreman. Foreman	Nov. 19, 1889 Jan. 5, 1893	53. Delaney, James.....	23	Fireman.....	Aug. 1, 1869	{ Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman.	Mar. 16, 1871 Nov. 16, 1883 Nov. 15, 1885
80. Stark, Edward.....	26	Fireman.....	June 10, 1870	{ Assistant Foreman. Foreman	Aug. 22, 1890 Jan. 5, 1893	54. Burns, John J.....	21	Private.....	Aug. 17, 1883	Assistant Foreman.	Feb. 1, 1886
81. Kane, Thomas F.....	22	Fireman.....	May 15, 1882	{ Assistant Foreman. Foreman	Aug. 22, 1890 Jan. 5, 1893	55. Martin, Michael.....	26	Fireman.....	July 1, 1873	Assistant Foreman.	Dec. 1, 1886
Assistant Foremen.						56. Miller, William.....	28	Private.....	Apr. 2, 1881	Assistant Foreman.	Dec. 1, 1886
1. Schuck, Henry.....	33	Fireman.....	Sept. 18, 1865	Assistant Foreman.	Nov. 22, 1865	57. Flaherty, James.....	29	Private.....	Feb. 15, 1882	Assistant Foreman.	Dec. 1, 1886
2. Smith, Edward S.....	23	Fireman.....	Sept. 11, 1865	Assistant Foreman.	Dec. 15, 1868	58. Taylor, Joseph W.....	25	Fireman.....	Jan. 1, 1873	Assistant Foreman.	Mar. 1, 1887
3. Hicks, Matthew.....	21	Fireman.....	Aug. 10, 1868	Assistant Foreman.	Oct. 15, 1870	59. Reilly, Michael F.....	29	Private.....	Jan. 13, 1880	Assistant Foreman.	Feb. 1, 1887
4. Lynar, Andrew.....	28	Fireman.....	Jan. 21, 1868	Assistant Foreman.	Feb. 15, 1872	60. Reilly, Henry P.....	21	Private.....	Oct. 21, 1881	Assistant Foreman.	Dec. 27, 1887
5. Brennan, Terrence P.....	25	Fireman.....	Oct. 6, 1865	Assistant Foreman.	July 1, 1872	61. McCartney, James J.....	28	Fireman.....	Aug. 1, 1884	Assistant Foreman.	Dec. 27, 1887
6. McNamee, Charles.....	28	Fireman.....	July 1, 1869	Assistant Foreman.	Mar. 1, 1873	62. Naughton, John J.....	23	Private.....	Dec. 1, 1881	{ Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman.	Feb. 2, 1883 Feb. 1, 1885 June 1, 1888
7. Jones, Walter H.....	25	Fireman.....	Oct. 21, 1870	Assistant Foreman.	Mar. 1, 1873	63. Coyle, Thomas.....	31	Fireman.....	Feb. 16, 1870	{ Assistant Foreman. Foreman..... Fireman..... Assistant Foreman.	Mar. 1, 1873 May 1, 1876 Jan. 19, 1880 June 1, 1889
8. Braisted, William C.....	25	Fireman.....	July 3, 1872	Assistant Foreman.	June 16, 1873	64. Mackey, Henry F.....	26	Fireman.....	Oct. 15, 1872	Assistant Foreman.	June 1, 1889
9. Campbell, James A.....	27	Fireman.....	Sept. 29, 1865	Assistant Foreman.	Aug. 15, 1873	65. O'Brien, Patrick, No. 1.....	26	Fireman.....	Nov. 1, 1872	Assistant Foreman.	June 1, 1889
10. Moore, Edward S.....	31	Fireman.....	Oct. 16, 1865	{ Assistant Foreman Assistant Foreman.	Dec. 1, 1865 Nov. 3, 1873	66. Sloan, Peter.....	27	Fireman.....	Oct. 26, 1881	Assistant Foreman.	June 1, 1889
11. Louis, Albert F.....	24	Fireman.....	Sept. 14, 1865	{ Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman.	Apr. 1, 1871 Sept. 11, 1872 Jan. 15, 1874	67. McNicol, John A.....	28	Fireman.....	Dec. 20, 1886	Assistant Foreman.	June 1, 1889
12. Burnett, Henry.....	33	Fireman.....	Sept. 22, 1865	Assistant Foreman.	Jan. 15, 1874	68. Slevin, Michael H.....	29	Fireman.....	Dec. 20, 1886	Assistant Foreman.	June 1, 1889
13. Cartright, Stephen.....	27	Fireman.....	Aug. 1, 1871	Assistant Foreman.	May 15, 1874	69. Hern, John.....	23	Fireman.....	Sept. 11, 1885	Assistant Foreman.	Nov. 19, 1889
14. Flock, William F.....	27	Ass't Foreman..	Sept. 8, 1865	g Foreman.....	Oct. 15, 1870	70. Reily, Lawrence, J.....	25	Fireman.....	May 10, 1871	Assistant Foreman.	Nov. 19, 1889
15. Carey, Francis.....	25	Fireman.....	June 2, 1868	Assistant Foreman.	Dec. 21, 1874	71. Freel, Thomas F.....	23	Private.....	July 18, 1881	Assistant Foreman.	Nov. 19, 1889
16. Wright, August H.....	29	Fireman.....	May 4, 1875	Assistant Foreman.	May 1, 1876	72. Farley, John	28	Private.....	Jan. 19, 1882	Assistant Foreman.	Nov. 19, 1889
17. Kruger, Charles W.....	22	Ass't Engineer of Steamer.....	July 3, 1872	Assistant Foreman.	Sept. 27, 1877	73. Cook, William J.....	29	Hoseman.....	July 3, 1872	{ Fireman..... Assistant Foreman.	Mar. 1, 1873 Aug. 22, 1890
18. Kenahan, Richard F.....	30	Fireman.....	July 1, 1875	Assistant Foreman.	Apr. 3, 1878	74. Horan, Patrick T.....	28	Private.....	Oct. 27, 1880	Assistant Foreman.	Aug. 22, 1890
19. Finn, John.....	29	Fireman.....	Sept. 20, 1866	Assistant Foreman.	Aug. 21, 1878	75. Smith, James J, No. 1.....	26	Private.....	Apr. 4, 1881	Assistant Foreman.	Aug. 22, 1890
20. McCarthy, Patrick.....	25	Fireman.....	June 15, 1872	Assistant Foreman.	Apr. 27, 1879	76. Fitzmaurice, Daniel P.....	22	Private.....	Feb. 15, 1882	Assistant Foreman.	Aug. 22, 1890
21. O'Rourke, Owen.....	25	{ Fireman..... Fireman.....	Sept. 22, 1865 Feb. 12, 1875	Assistant Foreman.	July 10, 1879	77. Burnes, Michael A.....	22	Fireman.....	Mar. 1, 1883	Assi-tant Foreman.	Aug. 22, 1890
22. Browning, William.....	21	{ Fireman..... Ass't Engineer of Steamer.. }	Apr. 23, 1869 May 9, 1873	{ s Assistant Engi- neer of Steamer.. Engineer of Steamer Assistant Foreman.	June 1, 1871 Aug. 1, 1874 Feb. 1, 1880	78. Lunny, Hugh J.....	24	Private.....	Aug. 1, 1883	Assistant Foreman.	Aug. 22, 1890
23. O'Reilly, Patrick H.....	23	Fireman.....	Aug. 21, 1875	Assistant Foreman.	July 20, 1880	79. Larkin, Thomas, No. 2.....	26	Private.....	Apr. 7, 1884	Assistant Foreman.	Aug. 22, 1890
24. Kerrigan, Francis.....	29	Fireman.....	May 1, 1875	Assistant Foreman.	Sept. 16, 1880	80. Livingston, John J.....	27	Private.....	Aug. 18, 1884	Assistant Foreman.	Aug. 22, 1890
25. McCarthy, John.....	29	Fireman.....	Sept. 15, 1871	Assistant Foreman.	June 9, 1881	81. Rooney, John L.....	24	Fireman.....	Nov. 15, 1872	Assistant Foreman.	June 11, 1891
26. Kelly, Thomas.....	28	{ Fireman..... Fireman.....	Sept. 18, 1865 June 15, 1867	Assistant Foreman.	Nov. 25, 1881	82. Jerolamon, Norman L.....	24	Fireman.....	Apr. 3, 1884	Assistant Foreman.	June 11, 1891
27. Hyde, David.....	27	Fireman.....	July 17, 1873	Assistant Foreman.	Mar. 22, 1882	83. Nagel, Gustave G.....	25	Fireman.....	Sept. 4, 1885	Assistant Foreman.	June 11, 1891
28. Murphy, John.....	24	Fireman.....	Oct. 17, 1870	Assistant Foreman.	Aug. 7, 1882	84. Cunningham, William.....	28	Fireman.....	Sept. 4, 1885	Assistant Foreman.	June 11, 1891
29. Aiken, Alexander D.....	24	Fireman.....	July 19, 1871	Assistant Foreman.	Dec. 1, 1882	85. Connolly, Thomas F.....	25	Fireman.....	Aug. 3, 1876	Assistant Foreman.	Nov. 15, 1891
30. Daniels, Clement L.....	25	Fireman.....	Oct. 11, 1873	Assistant Foreman.	Mar. 4, 1883	86. Brogan, James C.....	26	Fireman.....	May 1, 1880	Assistant Foreman.	Nov. 15, 1891
31. Ryan, Edward F.....	22	Fireman.....	July 3, 1872	Assistant Foreman.	Mar. 6, 1883	87. Brennan, Patrick J., No. 2.....	27	Fireman.....	Sept. 4, 1885	Assistant Foreman.	Nov. 15, 1891
82. Callaghan, Richard W.....	28	Fireman.....	Sept. 4, 1885	Assistant Foreman.	Nov. 15, 1891	88. Maher, Patrick, No. 1.....	27	Fireman.....	June 7, 1886	{ Engineer of Steamer Assistant Foreman.	Nov. 22, 1889 Nov. 15, 1891
89. Sherrick, Joseph.....	27	Fireman.....	Jan. 30, 1873	Assistant Foreman.	Nov. 1, 1892	90. Reilly, William.....	26	Private.....	Nov. 18, 1880	Assistant Foreman.	Nov. 1, 1892
91. Devaney, John F.....	28	Private.....	Aug. 18, 1884	Assistant Foreman.	Nov. 1, 1892	92. Skelly, Thomas F.....	22	Private.....	Aug. 26, 1884	Assistant Foreman.	Nov. 1, 1892
93. Sheehan, Daniel J.....	27	Fireman.....	Jan. 7, 1886	Assistant Foreman.	Nov. 1, 1892	94. Cox, William H.....	30	Fireman.....	June 2, 1869	Assistant Foreman.	Apr. 1, 1893
95. Cox, William H.....	30	Fireman.....	June 2, 1869	Assistant Foreman.	Apr. 1, 1893						

n Dismissed, August 10, 1869.
o Resigned, November 3, 1873.
p Reduced to ranks, May 9, 1866.
q Reduced to Assistant Foreman, June 24, 1874.

r Discharged while detailed as Carpenter, January 1, 1875.
s Resigned, September 16, 1872.
t Resigned, September 29, 1865.

u Resigned, August 1, 1871.
v Dismissed, November 23, 1873.

w Dismissed, October 19, 1876.
x Resigned as Foreman and assigned as Fireman.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.
96. Finn, James.....		{ Hoseman.....	Oct. 15, 1872	Assistant Foreman.	Jan. 5, 1893
		{ Fireman.....	Mch. 1, 1873		
97. Foley, Patrick.....	22	Fireman.....	Dec. 19, 1874	Assistant Foreman.	Jan. 5, 1893
98. Bresnan, Timothy J..	20	Fireman.....	Oct. 26, 1881	Assistant Foreman.	Jan. 5, 1893
99. Ahearn, Timothy.....	22	Fireman.....	Dec. 5, 1881	Assistant Foreman.	Jan. 5, 1893
100. McBride, Peter.....	29	Fireman.....	Apr. 1, 1883	Assistant Foreman.	Jan. 5, 1893
101. Kelly, Bernard.....	23	Fireman.....	July 1, 1883	Assistant Foreman.	Jan. 5, 1893
102. Clark, William C.....	23	Fireman.....	Aug. 18, 1884	Assistant Foreman.	Jan. 5, 1893
103. Stone, Charles H.....	22	Fireman.....	Sept. 4, 1885	{ Engineer.....	July 2, 1886
				{ Assistant Foreman.	Jan. 5, 1893

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

APPOINTED IN—	Officers.	Engineers.	Firemen.	Total.	APPOINTED IN—	Officers.	Engineers.	Firemen.	Total.
1865.....	41	9	25	75	1880.....	7	12	13	32
1866.....	9	4	12	25	1881.....	10	2	26	38
1867.....	..	1	1	2	1882.....	8	3	40	51
1868.....	7	6	4	17	1883.....	7	7	48	62
1869.....	6	6	12	24	1884.....	12	12	51	75
1870.....	10	2	6	18	1885.....	4	3	20	27
1871.....	12	1	7	20	1886.....	4	5	84	43
1872.....	9	3	15	27	1887.....	..	7	23	30
1873.....	12	5	27	44	1888.....	..	5	75	80
1874.....	5	7	30	42	1889.....	..	1	10	11
1875.....	13	6	18	37	1890.....	..	4	67	71
1876.....	3	..	3	6	1891.....	..	4	46	50
1877.....	6	8	2	16	1892.....	..	..	64	64
1878.....	2	..	1	3	1893.....	9	4	42	55
1879.....	3	5	5	13	Total.....	199	132	727	1,058

Number and Character of Alarms, Manner of Receipt.

ALARMS.	MANNER OF RECEIPT.				Total.
	From Department Street Alarm Boxes.	Special Department Telegraph Signals.	Verbally.	Automatic Telegraph.	
Unnecessary.....	125	15	3	27	170
Indication of fire.....	156	..	29	..	185
Fires.....	2,670	15	1,451	15	4,151
Total.....	2,951	30	1,483	22	4,506

305 Alarms were communicated by attachés of this Department.

1,010 " " " Police " "
238 " " " District key-holders. "
1,423 " " " Citizen " "
1,530 " " " all other means.

4,506—Total alarms, of which 4,151 were for fires, 86 were malicious alarms and 269 were for causes of various kinds, such as smoke and steam issuing from premises, reflections from stoves, etc.

Statistics of Fires.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
In buildings—													
Confined to point of starting.....	466	272	270	247	275	272	408	293	260	279	321	334	3,697
Confined to building.....	27	27	24	14	19	16	13	19	11	16	17	31	234
Extended to other buildings.....	5	2	4	4	4	4	6	2	5	1	5	8	50
In vessels.....	5	1	1	..	2	1	..	2	1	1	3	2	19
In other places (woods, etc.).....	12	5	8	20	24	13	14	17	3	10	16	9	151
Total.....	515	307	307	285	324	306	441	333	290	307	362	384	4,151
Extinguished—													
Without engine stream.....	335	219	197	178	216	211	337	242	195	195	224	229	2,778
With one engine stream.....	112	48	70	70	72	64	64	60	59	78	90	113	900
With two or three engine streams....	55	27	30	29	26	22	32	18	17	30	35	28	349
With more than three engine streams.	13	13	10	8	10	9	8	13	9	4	13	14	124
Total.....	515	317	307	285	324	306	441	333	280	307	362	384	4,151
Extent of damage to buildings and vessels—													
Built main'y of brick, stone or iron :													
Slight.....	100	31	54	36	38	41	50	63	30	47	53	92	635
Considerable.....	19	13	10	7	9	8	13	10	9	12	14	18	142
Destroyed.....	2	1	..	..	1	..	..	..	..	14	..	4	32
Built mainly of wood :													
Slight.....	5	5	2	6	6	5	8	9	7	5	7	6	71
Considerable.....	4	3	..	3	1	3	2	3	4	4	3	7	38
Destroyed.....	..	2	..	..	1	..	2	..	..	1	1	5	12
Total buildings and vessels damaged.....	130	55	66	52	56	57	75	85	50	83	78	132	930

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Fires.....	..	..	..	..	..	..	1	..	1	..	1	..	..
Between 6 a. m. and 6 p. m.....	257	151	136	120	161	130	224	162	130	156	182	200	2,009
" 6 p. m. and 6 a. m.....	258	156	171	165	163	176	217	171	150	151	180	184	2,142
Total each month.....	515	307	307	285	324	306	441	333	280	307	362	384	4,151

Notable Fires.

January 9—Nos. 43 to 47 Elizabeth street, a six-story brick, iron front building, 75 x 100 feet, occupied as a furniture manufactory. The fire originated on the third floor, and, extending throughout the building, destroyed it. It also extended to the following-described buildings, slightly damaging all of them save the two last, to which the damage was considerable, to wit :

Nos. 49 and 51 Elizabeth street, furniture manufactory, six-story brick, iron front, 50 x 100 feet ; Nos. 46 and 48 Elizabeth street, vinegar manufactory, six-story brick, 50 x 100 feet ; Nos. 40 and 42 Elizabeth street, novelties manufactory, five-story brick, 50 x 75 feet ; No. 44 Elizabeth street, dwelling, five and one-half story brick, 25 x 75 feet ; No. 173 Canal street, window-shade manufactory, five-story brick, 25 x 75 feet ; Nos. 94 to 98 Mott street, shirt manufactory, six-story brick, iron front, 75 x 100 feet ; No. 169 Canal street, desk manufactory, five-story brick, 25 x 75 feet. The fire required the services of 25 engines, 6 hook and ladder trucks and 1 water tower, and was brought under control in four hours. The first alarm was received at 8.07 A. M. ; at 8.11 A. M. the third alarm was sent out (the second being omitted), and was followed by the fourth at 8.26 A. M. The fire was caused by a lighted taper and the loss was estimated at \$283,450.

February 20. Nos. 522 to 526 West Thirty-fourth street, a six-story brick building, 75 x 100 feet, occupied as a paper manufactory. The fire originated in the basement and extending throughout the building, destroyed it. It also extended to the following described structures, with the results stated, to wit :

Nos. 523 and 525 West Thirty-fourth street, factory, six-story brick, 50 x 100 feet, damaged slightly ; No. 529 West Thirty-third street, store-house, one and one-half story frame, 20 x 30 feet, destroyed ; and No. 528 West Thirty-fourth street, dwelling, five-story brick, 20 x 30 feet, damaged slightly by falling wall. The fire required the services of 23 engines and 6 hook and ladder trucks and was brought under control in about two hours and forty-two minutes. The first alarm was received at 4.27 A. M. ; the second was sent out at 4.37 A. M. ; the third at 4.45 A. M., and the fourth at 5.09 A. M. The fire was caused by the back-draught of a furnace and the loss was estimated at \$120,200.

February 28—Nos. 24 and 26 Vandewater street, an eight-story brick building, 50 x 75 feet, occupied as a printing and publishing house. The fire originated on the seventh floor and extended to the eighth, slightly damaging the structure. The services of 15 engines and 5 hook and ladder trucks were called into requisition, and, owing to the unusual height of the building and the consequent difficulty in reaching the seat of the fire, about two hours and thirty minutes elapsed before it was brought under control. The first alarm was received at 6.20 A. M., and within the space of thirty-five minutes thereafter second, third and fourth alarms were sent out. The cause of the fire was not ascertained and the estimated loss was \$32,500.

May 24—Nos. 133 to 137 Mulberry street, a six-story brick building, 75 x 100 feet, occupied as a tobacco manufactory. The fire originated on the third floor and extended through the entire building by way of the stairway and elevator shaft. It also extended to the following-described buildings, which it damaged slightly, to wit :

No. 139 Mulberry street, dwelling, five-story brick, 25 x 60 feet ; and Nos. 132 to 136 Mulberry street, straw-board manufactory, six-story brick, 60 x 90 feet. The fire required the services of 24 engines, 6 hook and ladder trucks and 1 hose tower, and was brought under control in three hours and fifty minutes. The first alarm was received at 6.06 P. M., the second was sent out at 6.11 P. M., the third at 6.18 P. M., the fourth at 6.29 P. M., and the fifth at 6.38 P. M. The cause of the fire was not ascertained and the estimated loss was \$142,285.

October 18—Nos. 567 to 573 Tenth avenue, a four-story brick building, occupied as a wall paper manufactory. The fire originated on the first floor and extended throughout the building, destroying it. It also extended to the following-described buildings with the results stated, to wit :

Nos. 503 to 517 West Forty-first street, wall paper manufactory, six-story brick, 200 x 100 feet, destroyed ; Nos. 514 to 520 West Forty-second street, wall paper manufactory, eight-story brick, 80 x 100 feet, destroyed ; No. 519 West Forty-first street, dwelling, four-story brick, destroyed ; Nos. 504 to 512 and 522 to 532 West Forty-second street, dwellings, three-story brick, 20 x 50 feet, 8 destroyed, 3 considerably damaged ; No. 575 Tenth avenue, dwelling, four-story brick, 25 x 60 feet, damaged slightly ; No. 506 West Forty-first street, piano manufactory, six-story brick, 25 x 75 feet, destroyed ; Nos. 510 to 516 Tenth avenue, machine shop, four-story brick, 50 x 100 feet, destroyed ; and Nos. 561, 563 and 565 Tenth avenue, 501 West Forty-first street, and 515 to 521 West Forty-second street, dwellings, four and six stories, 25 x 60 feet, damaged slightly. The services of 31 engines and 9 hook and ladder trucks were required at the fire, and about five hours were exhausted in getting it under control. The first alarm was received at 8.19¼ P. M. By reason of the flimsy character of the buildings and the large quantity of combustible matter contained therein, the fire spread rapidly and was beyond control when the first contingent of the Department's force arrived at the scene. Within thirty-seven minutes of the receipt of the first alarm, second, third, fourth and fifth alarms were sent out, as well as a simultaneous call for the companies due at station 145 on the first, second and third alarms. And despite the fact that there were large water-mains in the immediate vicinity the available fire-hydrants were all connected with six-inch mains. The cause of the fire was not ascertained and the estimated loss was \$972,476.

December 15—Nos. 795 to 799 Third avenue, a seven-story brick building, 60 x 115 feet, occupied by furniture dealers. The fire originated in the basement, and owing to the inflammable nature of the contents of the structure, extended rapidly to all its parts, resulting in its destruction and the burning to death of an employee. It also extended to the buildings below described, and with the results stated, to wit :

No. 793 Third avenue, liquor store and dwelling, four-story brick, 22 x 50 feet, damaged slightly ; No. 206 East Forty-ninth street, tinsmith shop, one-story frame, 25 x 25 feet, destroyed ; Nos. 208, 210 and 212 East Forty-ninth street, tenements, four-story brick, 22 x 75 feet, damaged slightly ; Nos. 209 and 211 East Forty-ninth street, dwellings (unoccupied), three-story brick, 25 x 50 feet, as well as one-story frame stable, 25 x 50 feet, in rear of same, destroyed ; No. 213 East Forty-ninth street, dwelling, three-story brick, 25 x 50 feet, damaged considerably ; Nos. 801 and 803 Third avenue, cigar store, brass foundry and dwelling, two-story frame and brick, 25 x 50 feet, as well as tenement, three-story brick, 25 x 50 feet, in rear of same, destroyed ; No. 805 Third avenue, grocery and dwelling, five-story brick, 21 x 90 feet, destroyed ; Nos. 798 to 806 Third avenue, clothing store and dwelling, five-story brick, 90 x 100 feet, front damaged slightly. The woodwork of the elevated railroad structure also became ignited from the intense heat which prevailed. The fire required the services of 12 engines, 6 hook and ladder trucks and 1 water tower, and was brought under control in about four hours. The first alarm was received at 12.20½ P. M., and when the first company (located but two blocks away), arrived, the fire was in complete control of the building and spreading so rapidly in all directions that the occupants had barely time to escape. As before stated, one of the employees, unable to escape, was burned to death. At 12.23½ P. M., three minutes after the receipt of the first alarm, a third alarm was sent out (the second being omitted), and at 12.33½ P. M. a fifth (the fourth being omitted), thus summoning within thirteen minutes of the receipt of the first alarm, all the companies due on the five alarms and concentrating them at the fire. The cause of the fire was not ascertained and the estimated loss was \$169,780.

Water Consumption.

As nearly as can be estimated, 67,488,500 gallons of water were used in extinguishing fires.

Strength of Uniformed Force, Number of Fires, with Losses, Population, Number of Buildings, etc., from 1866 to 1893.

YEAR.	STRENGTH OF UNIFORMED FORCE.		Number of Fires.	Loss by Fire.	Average Loss per Fire.	Population, Census Year.	Number of Inhabitants to each Fire.	Number of Buildings.	Number of Buildings to each Fire.
	No. of Companies.	No. of Officers and Men.							
1866.....	54	*964	796	\$6,428,000 00	\$8,075 38	1769,553	967	164,000	80
1867.....	54	*919	873	5,711,000 00	6,541 81	.....	.....	.....	.....
1868.....	52	592	740	4,342,000 00	5,867 57	.....	.....	.....	.....
1869.....	52	599	850	2,696,393 00	3,172 23	.....	.....	.....	.....
1870.....	52	596	964	2,120,212 00	2,199 39	942,292	977	.....	.....
1871.....	52	596	1,258	2,127,356 00	1,691 06	.....	.....	.....	.....
1872.....	52	596	1,649	2,891,818 00	1,753 67	.....	.....	.....	.....
1873.....	54	651	1,470	4,022,640 00	2,736 48	.....	.....	.....	.....
1874.....	64	8712	1,355	1,430,306 00	1,055 58	.....	.....	.....	.....
1875.....	67	748	1,418	2,472,536 00	1,742 67	1,041,286	734	184,200	59
1876.....	68	747	1,382	3,851,213 00	2,786 70	.....	.....	.....	.....
1877.....	65	752	1,450	3,210,695 00	2,214 27	.....	.....	.....	.....
1878.....	65	727	1,654	1,884,505 00	1,139 36	.....	.....	.....	.....
1879.....	64	729	1,551	5,671,580 00	3,656 72	.....	.....	.....	.....
1880.....	65	748	1,783	3,183,440 00	1,785 44	1,206,299	676	.....	.....

YEAR.	STRENGTH OF UNIFORMED FORCE.		Number of Fires.	Loss by Fire.	Average Loss per Fire.	Population, Census Year.	Number of Inhabitants to each Fire.	Number of Buildings.	Number of Buildings to each Fire.
	No. of Companies.	No. of Officers and Men.							
1881.....	66	769	1,785	\$5,820,259 00	\$3,260 55	.....	.....	.....	.....
1882.....	67	826	2,001	4,195,960 00	2,096 43	.....	.....	1102,624	51
1883.....	63	895	2,169	3,512,848 00	1,619 37	.....	.....	1101,735	47
1884.....	70	919	2,406	3,474,547 00	1,444 12	.....	.....	.....	.....
1885.....	71	927	2,479	3,789,283 00	1,528 55	.....	.....	1104,250	42
1886.....	71	951	2,415	3,340,810 00	1,383 35	.....	.....	.....	.....
1887.....	74	960	2,929	5,585,425 00	1,917 28	.....	.....	.....	.....
1888.....	74	1,040	3,217	5,485,922 00	1,705 29	.....	.....	**112,000	35
1889.....	76	1,039	2,836	4,142,777 00	1,460 78	.....	.....	**114,500	40
1890.....	77	1,041	3,479	4,168,165 00	1,198 09	†† 1,515,301	436	§§ 115,379	33
1891.....	79	1,072	3,938	6,959,650 00	1,767 31	.....	.....	§§ 115,379	29
1892.....	79	1,032	4,011	5,060,973 00	1,261 80	.....	.....	§§ 115,379	29
1893.....	80	1,058	4,151	5,992,583 00	1,202 74	.....	.....	§§ 115,379	27
Total 28 years.....	.....	.....	57,039	\$113,572,896 00	\$1,991 13	.....	.....	.....	.....

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

BUREAU OF FIRE MARSHAL.

Losses and Insurance.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	YEAR.
Estimated loss (insured and uninsured)—													
On buildings and vessels.....	\$261,661 00	\$138,484 00	\$87,473 00	\$181,197 00	\$134,246 00	\$123,950 00	\$67,330 00	\$57,103 00	\$85,013 00	\$353,906 00	\$68,987 00	\$217,498 00	\$1,776,848 00
On contents.....	654,376 00	229,323 00	144,410 00	246,091 00	284,886 00	618,809 00	380,676 00	158,859 00	164,278 00	830,363 00	165,635 00	338,029 00	4,215,735 00
Total.....	\$916,037 00	\$367,807 00	\$231,883 00	\$427,288 00	\$419,132 00	\$742,759 00	\$448,006 00	\$215,962 00	\$249,291 00	\$1,184,269 00	\$234,622 00	\$555,527 00	\$5,992,583 00
Estimated insurance—													
On buildings and vessels.....	\$9,131,748 00	\$3,491,908 00	\$4,125,580 00	\$3,660,900 00	\$4,475,360 00	\$3,638,046 00	\$5,095,400 00	\$4,513,200 00	\$4,089,675 00	\$4,377,360 00	\$4,844,685 00	\$6,021,431 00	\$57,465,293 00
On contents.....	4,566,555 00	2,571,496 00	1,542,380 00	1,517,231 00	2,049,550 00	2,988,225 00	2,662,209 00	1,508,906 00	1,866,850 00	2,118,485 00	1,053,177 00	2,448,825 00	26,896,889 00
Total.....	\$13,698,303 00	\$6,063,404 00	\$5,667,960 00	\$5,178,131 00	\$6,524,910 00	\$6,626,271 00	\$7,757,609 00	\$6,022,106 00	\$5,956,525 00	\$6,495,845 00	\$5,897,862 00	\$8,470,256 00	\$84,362,182 00
Estimated uninsured loss—													
On buildings and vessels.....	\$3,590 00	\$8,021 00	\$803 00	\$672 00	\$2,577 00	\$981 00	\$3,118 00	\$875 00	\$8,235 00	\$71,258 00	\$4,237 00	\$13,702 00	\$118,069 00
On contents.....	34,503 00	16,441 00	21,563 00	16,053 00	15,504 00	17,585 00	11,542 00	13,147 00	30,491 00	145,965 00	13,581 00	34,853 00	371,228 00
Total.....	\$38,093 00	\$24,462 00	\$22,366 00	\$16,725 00	\$18,081 00	\$18,566 00	\$14,660 00	\$14,022 00	\$38,726 00	\$217,223 00	\$17,818 00	\$48,555 00	\$489,297 00
Average loss per fire.....	\$1,778 71	\$1,198 06	\$755 31	\$1,499 22	\$1,289 63	\$2,427 31	\$1,015 89	\$648 53	\$890 32	\$3,857 55	\$646 45	\$1,466 68	\$1,443 64

Extent of Loss at Fires.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCTOBER.	NOV.	DECEMBER.	YEAR.	PERCENTAGE TO WHOLE NUMBER OF FIRES.	LOSS LESS THAN—
Nominal or less than \$10.....	176	115	91	94	122	135	160	147	118	94	133	111	1,496	.36	
Between \$10 and \$50.....	126	72	63	71	90	61	142	83	62	62	82	86	1,000	.24	\$50 at 2,496 fires.
“ 50 “ 100.....	52	29	41	29	28	21	44	23	19	36	24	44	392	.09	100 at 2,888 “
“ 100 “ 1,000.....	99	53	78	56	58	65	61	55	53	81	89	87	835	.20	1,000 at 3,723 “
“ 1,000 “ 5,000.....	43	26	24	28	12	12	22	13	17	25	23	40	285	.07	5,000 at 4,008 “
“ 5,000 “ 10,000.....	6	5	5	2	6	8	5	7	5	5	6	6	66	..	10,000 at 4,074 “
“ 10,000 “ 20,000.....	6	4	4	1	3	1	3	4	3	2	1	5	37	..	20,000 at 4,111 “
“ 20,000 “ 30,000.....	3	..	..	1	1	..	2	..	2	..	1	1	11	..	30,000 at 4,122 “
“ 30,000 “ 40,000.....	..	1	..	..	1	..	..	..	..	..	..	2	4	..	40,000 at 4,126 “
“ 40,000 “ 50,000.....	1	..	1	1	1	..	1	..	..	..	1	..	6	..	50,000 at 4,132 “
“ 50,000 “ 60,000.....	1	1	..	..	..	..	1	1	..	1	..	1	5	..	60,000 at 4,137 “
“ 60,000 “ 70,000.....	..	..	..	..	1	..	..	..	..	1	..	..	2	..	70,000 at 4,139 “
“ 70,000 “ 80,000.....	..	..	..	1	..	..	..	..	..	..	..	..	1	..	80,000 at 4,140 “
“ 80,000 “ 100,000.....	..	1	..	..	..	1	..	..	..	..	..	..	2	..	100,000 at 4,142 “
“ 100,000 “ 125,000.....	..	..	..	..	1	..	..	..	..	..	..	..	1	..	125,000 at 4,143 “
“ 125,000 “ 150,000.....	1	..	..	1	..	..	1	..	..	..	..	1	4	..	150,000 at 4,147 “
“ 150,000 “ 200,000.....	..	..	..	..	..	1	..	..	..	..	..	..	1	..	200,000 at 4,148 “
“ 200,000 “ 250,000.....	1	..	..	..	..	1	..	..	..	..	..	..	2	..	250,000 at 4,150 “
“ 250,000 “ 300,000.....	..	..	..	..	..	..	..	..	..	1	..	..	1	..	300,000 at 4,151 “
“ 300,000 “ 1,000,000.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1,000,000 at 4,151 “
Total.....	515	307	307	285	324	306	441	333	280	307	362	384	4,151	..	

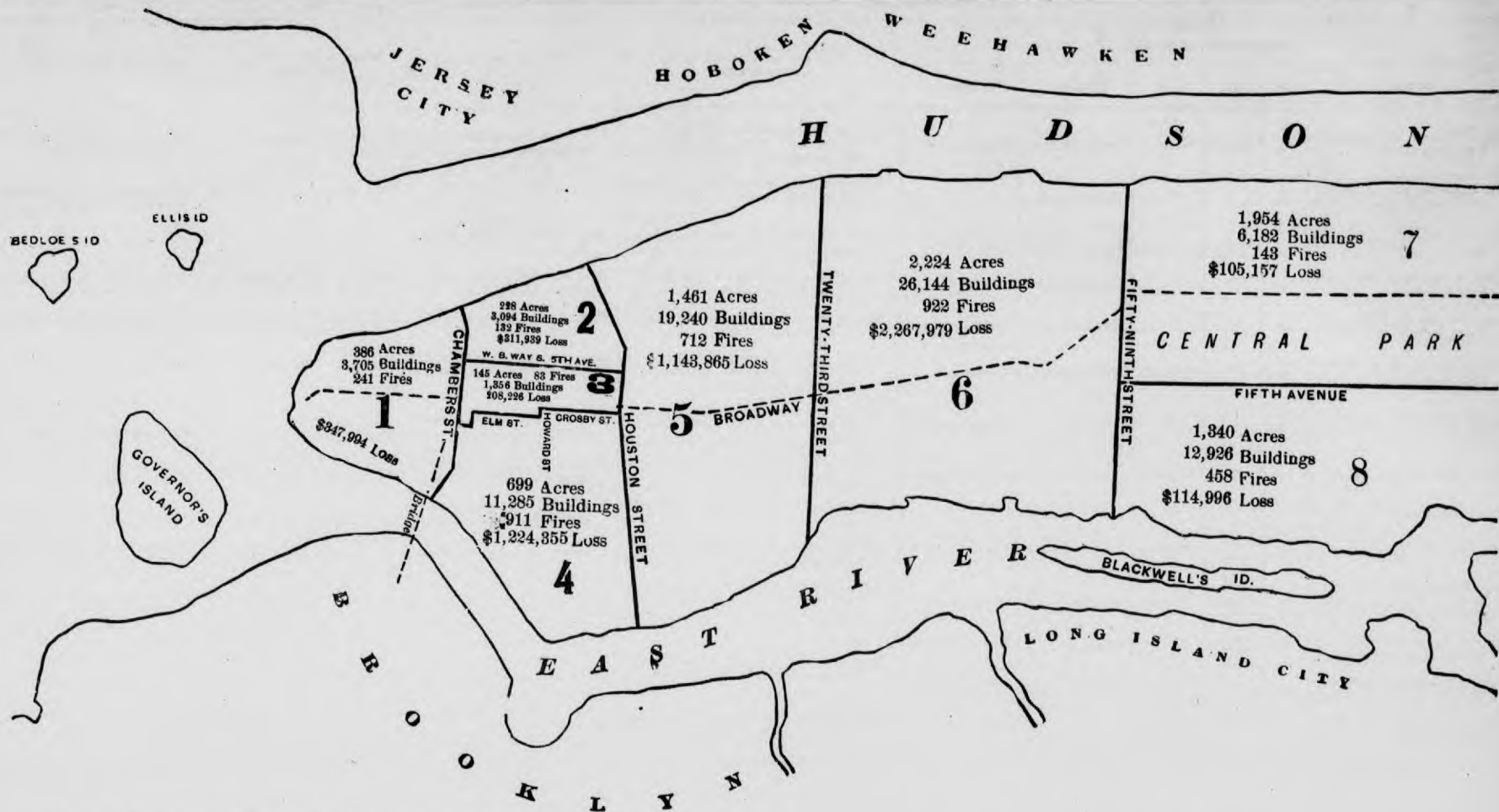
Origin and Cause of Fires.

ORIGIN.	CAUSE.								PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate loss to Structures and contents.		
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Miscellaneous.	Incendiarism.	By Order Commissioners Charities and Correction.	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, fireplaces, fire grates, etc.	..	..	94	..	..	..	..	..	94	76	4	8	2	3	..	1	..	..	..	..	..	..	..	94	\$20,860
Foul chimneys, soot in flues, etc.	1	278	..	..	..	..	..	..	279	256	13	5	1	4	..	..	..	..	..	..	..	..	..	279	15,428
Gas stoves.	3	3	..	..	..	..	..	..	6	4	2	..	..	..	..	..	..	..	..	..	..	..	..	6	10,235
Kerosene oil and benzine used in lighting fires.	..	7	..	..	..	..	..	..	7	6	..	1	..	..	..	..	..	..	..	..	..	..	..	7	160
Matches, tapers, etc.	..	4	..	..	..	..	..	..	4	4	..	..	..	..	..	..	..	..	..	..	..	..	..	4	200
Steam-pipes.	3	2	..	..	..	..	..	..	5	1	1	..	1	..	..	..	1	..	..	..	..	..	..	5	3,115
Stoves, boilers, furnaces, stove and heater pipes.	110	106	..	..	..	..	..	..	216	167	14	16	8	3	..	1	1	1	..	..	2	3	216	130,212	
Sparks, hot coals from stoves, furnaces, grates, chimneys, etc.	67	28	..	..	..	..	..	..	95	69	11	12	..	..	..	1	..	..	..	..	..	2	95	37,870	
Total number of fires	184	428	94	..	..	..	..	..	706	583	45	43	11	11	..	3	1	2	..	..	2	5	706		
Total loss.	\$79,677	\$117,543	\$20,860	..	..	..	..	..	\$218,080	\$108,129	\$73,340	\$19,008	\$6,423	\$10,680	..	\$25	..	\$80	..	..	\$50	\$345	..	\$218,080	
In Illuminating.																									
Electric lights, sparks from.	85	1	..	..	..	..	..	..	86	20	25	3	7	8	..	..	6	2	..	..	..	15	86	\$225,769	
Gas, explosion of and escaping.	40	55	..	..	..	..	..	2	97	72	8	5	2	2	..	1	1	..	..	..	..	6	97	22,321	
Gas-lights, candles, lamps, etc., igniting merchandise in stores, show-windows, etc.	52	375	..	..	..	..	..	..	427	369	17	16	3	4	..	5	6	4	..	..	..	3	427	157,540	
Lamps, kerosene oil and gasoline.	326	20	..	2	3	..	..	..	351	334	2	5	1	..	..	1	1	1	..	..	2	4	351	97,363	
Matches, lighted tapers, etc.	20	245	..	..	..	..	..	..	265	220	13	14	2	3	..	7	1	1	..	..	..	4	265	425,303	
Total number of fires	523	696	..	2	3	..	..	2	1,226	1,015	65	43	15	17	..	14	15	8	..	..	2	32	1,226		
Total loss.	\$707,286	\$220,625	..	\$10	\$200	..	..	\$175	\$928,296	\$250,067	\$229,088	\$407,713	\$1,248	\$6,518	..	\$7,946	\$22,695	\$613	..	..	\$420	\$1,968	..	\$928,296	
In Manufacturing and other Business.																									
Alcohol, tar, pitch, paints, etc., igniting on stoves, etc.	41	3	..	..	..	..	..	..	44	10	4	14	..	7	..	..	..	..	..	..	..	9	44	\$19,301	
Burning oil igniting wood-work.	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..
Charcoal fire igniting woodwork.	..	2	..	..	..	..	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	2	5	..
Chemicals taking fire on stoves, etc.	1	1	..	..	..	..	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	2	540	..
Chimneys, flues, etc., heat from.	2	1	4	..	..	..	..	..	7	..	..	5	..	1	..	..	..	..	1	..	..	..	7	1,330	..
Colored fire in theatre.	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..
Electricity applied to machinery.	9	..	..	..	..	..	..	..	9	..	2	7	..	..	..	..	..	..	..	..	..	..	9	33,835	..
Foul chimneys, soot in fire-places and stove-pipes.	1	13	..	..	..	..	..	..	14	..	1	10	..	3	..	..	..	..	..	..	..	..	14	..	..
Friction of machinery.	4	..	..	..	..	..	..	..	4	..	..	3	..	..	..	..	..	..	..	..	1	..	4	20,800	..
Gas stoves and gas-lights.	6	2	..	..	..	..	..	..	8	2	22	2	..	2	..	..	..	..	..	..	..	..	8	15,696	..
Hams, meats, etc., in ovens and smoke-houses.	1	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1,610	..
Hot metals.	2	2	..	..	..	..	..	..	4	..	1	3	..	..	..	..	..	..	..	..	..	..	4	10,512	..
Inflammable material, ignition of.	1	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1,400	..
Kerosene oil stoves and gasoline furnaces.	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	55	..
Lamp, alcohol.	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	20	..
Lime, slaking of.	3	..	..	..	..	..	..	..	3	..	1	1	..	..	..	..	..	..	..	..	..	1	3	4,407	..
Naphtha spirits, gasoline and benzine vapor igniting.	12	3	..	..	..	..	..	..	15	3	5	7	..	..	..	..	..	..	..	..	..	..	15	7,037	..
Sulphur and phosphorus taking fire.	2	..	..	..	..	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	2	80	..
Sparks from chimneys, forges, furnaces, engines, steamships, locomotives, etc.	108	21	..	..	..	..	..	..	129	38	15	47	1	6	..	2	..	..	1	2	17	129	41,905	..	
Steam pipes.	3	..	..	..	..	..	..	..	3	..	..	3	..	..	..	..	..	..	..	..	..	..	3	510	..
Spontaneous combustion of oily rags, etc.	8	45	..	..	..	..	..	..	53	8	5	32	..	..	1	..	2	1	1	3	..	53	140,684	..	
Stoves, boilers, furnaces, ovens, etc.	64	38	..	..	..	..	..	..	102	16	8	54	1	15	1	..	..	..	..	1	2	4	102	281,373	..
Vitriol, acids, spirits, etc., carbonyls of, breaking or vapor igniting.	1	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	95	..
Workmen burning rubbish.	..	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	150	..
Total number of fires	273	133	4	..	..	..	..	..	410	79	45	197	3	34	2	2	1	2	2	3	8	32	410		
Total loss.	\$372,280	\$207,770	\$1,295	..	..	..	..	..	\$581,345	\$14,084	\$54,899	\$381,205	\$20	\$9,551	\$4,875	\$3,545	..	\$10,800	\$4,100	\$860	\$97,161	\$245	..	\$581,345	

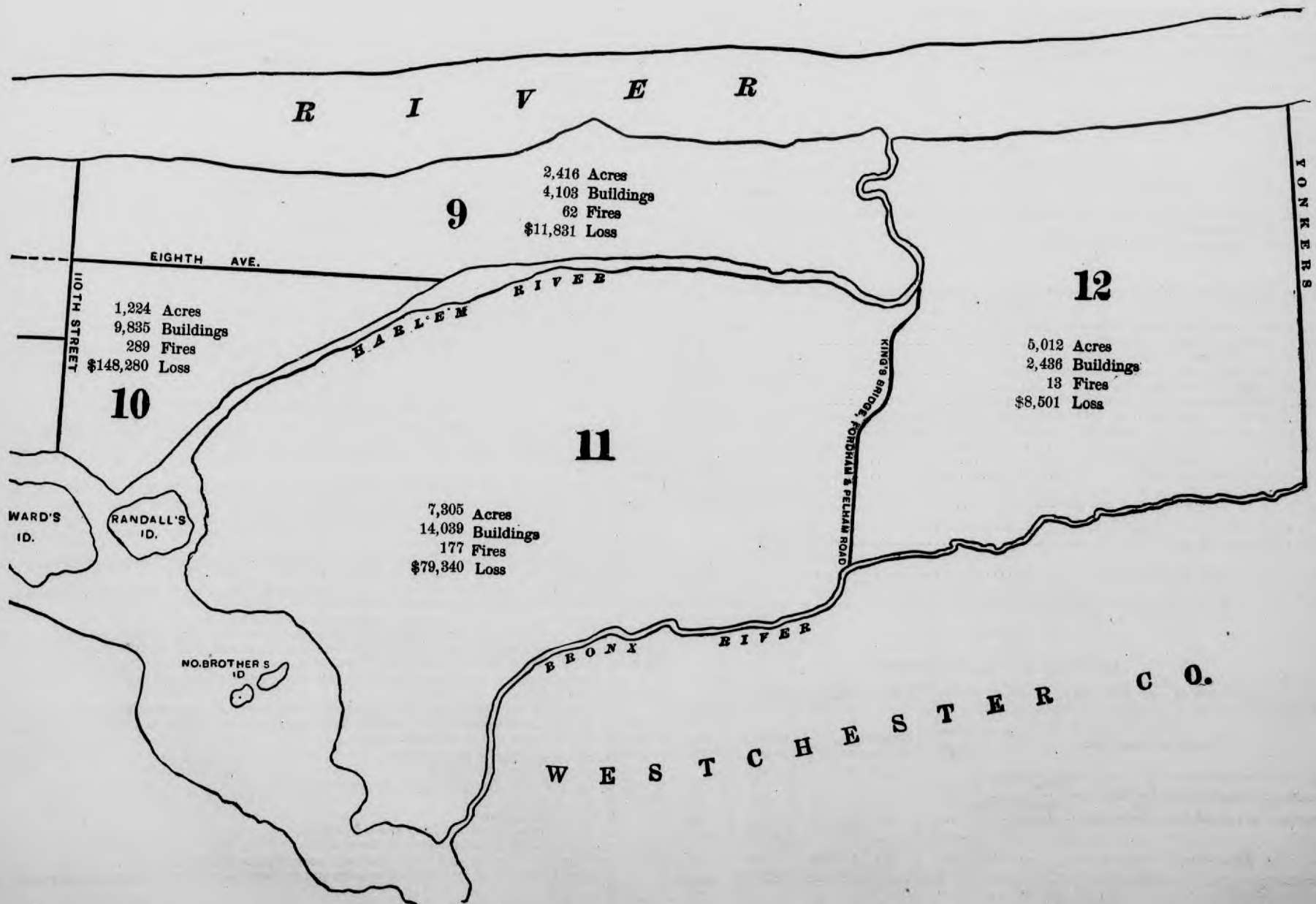
ORIGIN.	CAUSE—								PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents.	
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	By order Commissioners Charities and Correction.	Not ascertained.	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, etc.	Vessels.	Miscellaneous.		Total.
Miscellaneous.																								
Benzene, naphtha, turpentine, and other inflammable vapor igniting..	6 \$1,505	24 \$1,520	..	..	..	..	..	..	30 \$3,025	28 \$2,445	..	..	..	2 \$530	..	..	..	..	..	..	..	..	30 \$3,025
Bonfires and sparks from other fires.....	6 \$155	..	..	47 \$2,562	..	..	..	..	53 \$2,717	7 \$150	3 \$790	..	..	1 \$5	..	2 \$1,410	..	..	..	..	..	39 \$62	53 \$2,717
Cigars, pipes, etc., smoking of.....	..	272 \$183,265	..	1 \$1,600	..	..	..	..	273 \$184,865	158 \$15,284	25 \$59,399	37 \$78,847	7 \$40	5 \$1,563	..	20 \$20,450	1 \$	..	1 \$	4 \$300	2 \$70	13 \$2,912	273 \$184,865
Fat, glue, varnish, etc., taking fire on stoves, etc.	36 \$459	..	..	..	..	..	..	..	36 \$459	34 \$439	..	2 \$	..	..	..	..	..	..	..	..	..	..	36 \$459
Firecrackers, fireworks, etc.....	12 \$210	80 \$6,840	..	15 \$340	1 \$1	..	..	..	108 \$7,391	84 \$7,155	7 \$55	3 \$1	1 \$10	..	..	5 \$50	..	..	..	1 \$	..	7 \$120	108 \$7,391
Hot ashes and iron.....	..	31 \$25,615	..	..	..	..	..	..	31 \$25,615	15 \$16,822	10 \$7,495	..	..	..	..	..	..	..	..	..	1 \$1,200	4 \$92	31 \$25,615
Lamps, alcohol, explosion of.....	5 \$173	..	..	..	..	..	..	..	5 \$173	4 \$153	..	1 \$20	..	..	..	..	..	..	..	..	..	..	5 \$173
Kerosene oil and gasoline lamps, stoves, etc.....	171 \$50,063	18 \$3,000	..	1 \$5	6 \$5	..	..	..	196 \$53,073	188 \$50,868	3 \$2,200	1 \$	1 \$	1 \$	..	..	..	..	..	..	..	2 \$5	196 \$53,073
Matches.....	51 \$22,834	277 \$215,590	..	182 \$14,924	47 \$640	18 \$9,002	1 \$	..	576 \$263,090	438 \$147,521	33 \$69,165	44 \$41,083	4 \$402	5 \$2,400	..	13 \$1,802	2 \$5	1 \$	2 \$	1 \$	1 \$	32 \$712	576 \$263,090
Not ascertained.....	..	..	..	..	..	..	363 \$3,576,898	363 \$3,576,898	190 \$205,975	66 \$720,968	68 \$1,887,053	4 \$44,000	7 \$6,120	4 \$543,440	18 \$93,142	1 \$100	1 \$1,500	1 \$74,600	..	..	1 \$	2 \$	363 \$3,576,898
Powder, explosion of.....	1 \$	..	..	..	..	..	..	..	1 \$	1 \$	..	..	..	..	..	..	..	..	..	..	..	..	1 \$
Rekindling of previous fire.....	..	16 \$119,739	..	..	..	..	..	..	16 \$119,739	3 \$150	2 \$119,589	6 \$119,589	..	1 \$	..	..	..	..	..	1 \$	..	3 \$	16 \$119,739
Spontaneous combustion.....	6 \$750	11 \$7,551	..	..	..	..	..	..	17 \$8,301	6 \$7,925	5 \$46	..	1 \$	1 \$	..	2 \$350	..	..	..	..	2 \$	..	17 \$8,301
Sulphur in fumigating, etc.....	1 \$400	5 \$650	..	..	..	..	..	..	6 \$1,060	6 \$1,060	..	..	..	..	..	..	..	..	..	..	..	..	6 \$1,060
Sun's rays focused through glass.....	1 \$2	..	..	..	..	..	..	..	1 \$2	..	1 \$2	..	..	..	..	..	..	..	..	..	..	..	1 \$2
Thawing out water-pipes, gas engine, etc., with candles, lamps, lighted papers, etc.....	..	82 \$17,769	..	..	..	..	..	..	82 \$17,769	65 \$3,587	8 \$13,957	6 \$205	..	2 \$10	..	..	..	..	..	..	..	1 \$10	82 \$17,769
Tramps and mischievous boys building fires in woods, unoccupied houses, etc.....	1 \$	12 \$65	..	2 \$20	..	..	..	..	15 \$685	10 \$680	..	1 \$	..	..	..	..	..	..	..	..	..	4 \$5	15 \$685
Total number of fires	297	828	..	248	54	18	1	363	1,809	1,237	152	182	18	25	4	60	4	2	4	7	7	107	1,809	
Total loss.....	\$76,551	\$582,314	..	\$19,451	\$646	\$9,002	..	\$3,576,898	\$4,264,862	\$460,514	\$863,597	\$2,137,284	\$44,452	\$10,678	\$543,440	\$123,204	\$105	\$1,500	\$74,600	\$300	\$1,270	\$3,918	..	\$4,264,862
RECAPITULATION.																								
In Heating.....	No. of fires 184 Loss..... \$79,677	428 \$117,543	94 \$20,850	..	..	..	..	..	706 \$218,080	583 \$108,129	45 \$73,340	43 \$19,008	11 \$6,423	11 \$10,680	..	3 \$25	1 \$80	2 \$	..	..	2 \$50	5 \$345	706 \$218,080
In Illuminating.....	No. of fires 523 Loss..... \$707,286	696 \$220,625	..	2 \$10	3 \$200	..	..	2 \$175	1,226 \$928,296	1,015 \$250,057	65 \$229,088	43 \$407,713	15 \$1,248	17 \$6,518	..	14 \$7,946	5 \$22,695	8 \$533	..	..	2 \$420	32 \$1,968	1,226 \$928,296
In Manufacturing, etc.....	No. of fires 273 Loss..... \$372,280	133 \$207,770	4 \$1,295	..	..	..	..	..	410 \$581,345	79 \$14,084	45 \$54,899	197 \$381,205	3 \$20	34 \$9,551	2 \$4,875	2 \$3,545	1 \$10,800	2 \$4,100	2 \$860	3 \$97,161	8 \$245	32 \$410	410 \$581,315
In Miscellaneous.....	No. of fires 297 Loss..... \$76,551	828 \$582,314	..	248 \$19,451	54 \$646	18 \$9,002	1 \$	363 \$3,576,898	1,809 \$4,264,862	1,237 \$460,514	152 \$863,597	182 \$2,137,284	18 \$44,452	25 \$10,678	4 \$543,440	60 \$123,204	4 \$105	2 \$1,500	4 \$74,600	7 \$300	7 \$1,270	107 \$3,918	..	4,264,862
Aggregate.....	No. of fires 1,277 Loss..... \$1,235,794	2,085 \$1,128,252	98 \$2,155	250 \$19,461	57 \$846	18 \$9,002	1 \$	365 \$3,577,073	4,151 \$5,992,583	2,914 \$832,794	507 \$1,220,934	465 \$2,945,210	47 \$52,143	87 \$37,427	6 \$548,315	79 \$134,720	21 \$22,800	14 \$13,013	6 \$78,700	10 \$1,160	19 \$98,901	175 \$6,476	4,151 \$5,992,583	

Record of Fires by Districts.

DISTRICTS.	NUMBER OF FIRES.				ORIGIN.				NUMBER OF BUILDINGS IN DISTRICT.			Loss.		
	Dwelling.	Business.	Other Places.	Total.	In Heating.	In Illuminating.	In Manufacturing and Other Business.	Miscellaneous.	Dwelling.	Business.	Total.	Buildings.	Contents.	Total.
First.....	41	178	22	241	32	50	53	106	924	2,781	3,705	\$90,821 00	\$257,173 00	\$347,994 00
Second.....	71	50	11	132	36	18	17	61	2,264	830	3,094	47,108 00	264,831 00	311,939 00
Third.....	7	75	1	83	14	15	11	43	254	1,102	1,356	30,248 00	177,978 00	208,226 00
Fourth.....	717	173	21	911	123	274	80	434	9,194	2,891	11,285	301,475 00	922,880 00	1,224,355 00
Fifth.....	494	184	34	712	122	217	56	316	15,365	3,875	19,240	241,160 00	899,705 00	1,140,865 00
Sixth.....	675	214	33	922	192	294	86	350	21,653	4,491	26,144	849,189 00	1,418,790 00	2,267,979 00
Seventh.....	118	9	16	143	24	41	8	70	5,696	486	6,182	51,591 00	53,566 00	105,157 00
Eighth.....	397	48	13	458	67	158	32	201	11,229	1,697	12,926	44,786 00	70,210 00	114,996 00
Ninth.....	52	8	2	62	13	16	3	30	3,029	1,074	4,103	6,580 00	5,251 00	11,831 00
Tenth.....	220	55	14	289	40	95	30	124	8,718	1,117	9,835	65,696 00	82,584 00	148,280 00
Eleventh.....	110	43	24	177	40	43	31	63	9,910	4,429	14,339	35,037 00	44,253 00	79,290 00
Twelfth.....	8	3	2	13	2	4	2	5	1,308	1,128	2,436	4,987 00	3,514 00	8,501 00
Thirteenth.....	4	2	2	8	1	..	1	6	171	195	366	5,120 00	15,000 00	20,120 00
Total.....	2,914	1,042	195	4,151	706	1,226	410	1,809	89,715	25,296	115,011	\$1,776,848 00	\$4,215,735 00	\$5,992,583 00



NOTE.—The true positions of Bedloes's and Ellis Islands are considerably south and west of the locations given them for convenience on this map. The number of buildings on all of the islands is 366, and the number of fires was 8.



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.	Sex.	Color.	Nativity.	Occupation.				
Helena Dietrich, No. 356 East Sixty-second street.....	23	Female	White...	Germany.....	Housekeeper..	Setting fire to building No. 356 East Sixty-second street, December 12, 1892, and attempt, January 14, 1893	Arson, first degree, attempt, first degree.....	May 22, 1893, attempt, third degree.....	One year and eight months in Auburn State Prison.
Kate C. Burris, No. 244 West Thirty-ninth street.....	38	"	"	United States..	"	Setting fire to building No. 344 West Thirty-ninth street, on March 17, 1893.....	.....	.....	Discharged by Police Justice. Evidence insufficient.
Morris Isaacs, No. 424 Grand street.....	25	Male..	"	Russian Poland.	Shoe dealer....	Setting fire to building No. 424 Grand street, on April 16, 1893.....	May 16, 1893, arson, second degree .....	.....	.....
Jacob J. Kaiser, No. 429 Grand street.....	30	"	"	United States..	Manufacturer..	Setting fire to building No. 438 Broadway, on April 22, 1893.....	June 8, 1893, arson, third degree.....	October 4, 1893, arson, third degree	Seven years in State Prison at hard labor.
James G. Neary, No. 563 Third avenue.....	45	"	"	Ireland.....	None.....	Setting fire to premises No. 563 Third avenue, on May 8, 1893.....	May 17, 1893, arson, second degree	Pleaded guilty of arson, third degree, May 24, 1893....	Four years and eight months in State Prison.
William Jones, No. 231 West Sixty-first street.....	25	"	Colored.	United States..	Coachman.....	Setting fire to building No. 60 East Sixty-first street and violation of section 654, Penal Code.....	June 22, 1893, arson first degree, violation of section 654.....	.....	.....
Charles Evans, No. 36½ Baxter street.....	36	"	"	"	Longshoreman..	Violation of section 654, Penal Code, on June 25, at No. 36½ Baxter street.....	Violation of section 654, Penal Code.....	July 21, 1893.....	Six months in Penitentiary.
Robert Hübner.....	"	"	White...	.....	Manufacturer..	Violation of section No. 579 of Penal Code.....	October 5, 1893, violation of section 579, Penal Code...	.....	Bailed in \$500.
Johann Mrugowski.....	"	"	"	.....	"	Violation of section No. 579 of Penal Code.....	October 5, 1893, violation of section 579, Penal Code...	.....	Disappeared October 5, 1893.
Tone Lois.....	38	"	Brown...	China.....	Laundryman...	Setting fire to No. 170 Spring street, October 15, 1893.....	.....	.....	Discharged in Police Court, October 30, 1893.
Ellen O'Donnell, No. 306 West Forty-seventh street.....	72	Female	White...	Ireland.....	Housekeeper...	Setting fire to building No. 306 West Forty-seventh street, November 21, 1893.....	.....	.....	Committed to Insane Asylum, Ward's Island.
Abraham Levy, No. 306 Arlington avenue, Brooklyn.	32	Male..	"	Russia.....	Hat Manufactur- er.....	Setting fire to building No. 67 West Houston street, December 8, 1893...	.....	.....	.....
Edward Rosenstein, No. 29 Norfolk street.....	33	"	"	Germany.....	Hat manufactur- er.....	.....	.....	.....	.....
Julius Raschdorf, No. 1222 Third avenue.....	35	"	"	"	Merchant.....	Setting fire to building No. 1222 Third avenue, December 20, 1893.....	.....	.....	.....

BUREAU OF COMBUSTIBLES.

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

COMPLAINTS OF VIOLATIONS, ETC.	Pending last Report.	Received Since.	Total to be Disposed of.	DISPOSITION.						Now Pending.
				Complied on Notice.	Unfounded.	Penalties Collected.	Penalties Remitted.	Prosecution Recommended.	Total.	
Selling kerosene oil without license.....	20	1,176	1,196	1,076	32	..	..	14	1,122	74
Chimney fires.....	26	233	259	..	..	148	83	9	240	19
Hoists ways found open after conclusion of business.	11	8	19	..	..	1	8	10	19	..
Fire-hydrants obstructed.....	..	14	14	13	..	..	..	..	13	1
Lights unprotected.....	..	6	6	5	..	..	..	..	5	1
Combustible material in excessive quantity.....	9	48	57	19	27	..	..	1	47	10
Kerosene or naphtha, etc., in excessive quantity..	2	6	8	5	2	..	..	..	7	1
Fireworks, chemicals, matches, etc., kept without permit.....	1	17	18	4	11	..	..	3	18	..
Powder, etc., improperly stored, transported, etc.	..	1	1	1	..	..	..	..	1	..
Chimneys, flues, heating apparatus, etc., unsafe...	5	69	74	31	27	..	..	..	58	16
Hay, straw, cotton, rags and other vegetable fibre stored in excessive quantity.....	2	7	9	3	3	..	..	..	6	3
Total.....	76	1,585	1,661	1,157	102	149	91	37	1,536	125

Special surveys made to determine the fitness of premises for the storage of combustibles or explosive material..... 1,277
Samples of kerosene oil collected and tested..... 7,877

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

For 4,260 kerosene oil licenses issued, at \$10.....	\$42,600 00
For 43 powder licenses issued, at \$5.....	215 00
For 812 special permits issued, at \$2.....	1,624 00
For 13 wholesale fireworks permits issued, at \$20.....	260 00
For 261 retail fireworks permits issued, at \$5.....	1,305 00
For 24 kindling fire in street permits issued, at 50 cents.....	12 00
For 125 permits to use and keep explosives in hand magazines, at \$10.....	1,250 00
For 1 permit to use and keep explosives in main magazines, at \$25.....	25 00
For 2 permits to sell explosives, at \$25.....	50 00
For 7 permits to transport explosives, at \$1.....	7 00
For sale of explosives seized.....	1,580 00

Total for licenses and permits..... \$47,363 80

For 148 penalties for chimney fires, at \$5.....	\$740 00
For 1 hoistway left open.....	50 00

Total for penalties..... 790 00

Total received and turned over to the Relief Fund..... \$48,153 80

ATTORNEY TO THE DEPARTMENT.

Violations of Law Relating to Safety of Hotels, Theatres, Lodging-houses, etc.

NATURE OF VIOLATIONS.	PENDING LAST REPORT.	RECEIVED SINCE.	TOTAL.	DISPOSED OF.	NOW PENDING.
Insufficient means of escape, fire escapes.....	85	90	176	111	65
Failure to provide watchmen, alarms, etc.....	..	483	483	195	288
Total.....	86	573	659	306	353

Violations of Law Relating to Combustibles, etc.

NATURE OF VIOLATIONS.	PENDING LAST REPORT.	RECEIVED SINCE.	TOTAL.	DISPOSED OF.	NOW PENDING.
Selling kerosene oil without license.....	27	16	43	43	..
Chimney fires.....	..	9	9	2	7
Hoistways open after conclusion of business.....	..	17	17	5	12
Combustible materials in excessive quantities.....	1	3	4	..	4
Storing powder, etc., without permits.....	1	3	4	1	3
Selling percussion caps, fireworks, etc., without license....	..	2	2	1	1
Failure to provide telegraphic communication.....	..	4	4	2	2
Total.....	29	54	83	54	29

Miscellaneous Business.

NATURE.	PENDING LAST REPORT.	RECEIVED.	TOTAL.	DISPOSED OF.	NOW PENDING.
Opinions required.....	1	24	25	25	..
Suits and proceedings to review action of Board of Fire Commissioners.....	13	3	16	8	8
Suits by or against officers of the Department.....	5	9	14	9	5
Total.....	19	36	55	42	13

Money Received.

Violation of Combustible Laws—	
January 1, 1893, on hand	\$5 00
Received :	
Chimney fire	5 00
Costs	10 00
Open hoistway—judgment.....	67 50

Paid to the Treasurer of the Relief Fund of the Fire Department as required by law. \$87 50

FIRE ALARM TELEGRAPH.

During the past year the overhead circuits have all been strengthened, a large quantity of the wire having been taken down, which, when available, was rejoined and used again; new poles have been set where necessary, and those found unsafe were either reset or replaced with sound ones.

The submarine cables connecting with Blackwell's and Randall's Islands were withdrawn for repairs and replaced, and, barring accidents, are now in condition for several years' service.

All the alarm boxes north of One Hundred and Thirtieth street have been refitted with new circuit springs and wheels made to conform to the new station numbers adopted for that section of the city.

The underground system has been extended during the year by the addition of 14 miles of cable containing 116½ miles of single conductor.

Three miles of subsidiary duct were constructed by the Department, connecting 4 company houses, 6 school buildings and 62 street-alarm boxes.

The system at the end of the year consisted in the following :

86 miles of cables containing 799¾ miles of single conductor ; 29¾ miles of subsidiary duct constructed by the Department ; and of 59½ miles of duct furnished by the Subway Companies, making a total of 89¼ miles of single duct connecting the Central Office with the following :

382 street fire-alarm boxes, 53 apparatus companies, 5 other department buildings, 4 hospitals and 30 public schools.

The underground system has furnished most satisfactory service, and the results thus far achieved by its use demonstrate the wisdom and necessity of extending its limits until it shall include the remainder of the overhead system.

The following other work was done :

132 miles of wire taken down.

6 miles of wire strung in repairs and extensions.

75 new poles set.

259 poles taken down.

422 combination signal and lamp-posts repainted.

14 additional street alarm-boxes put in service.

50 fire-alarm signal locked boxes changed to the keyless pattern.

31 lamp-posts altered to combination boxes and lamp-posts and alarm boxes attached thereto.

The following fire-alarm telegraph signal boxes were in use at the end of the year :

Street fire-alarm boxes.....	832
In public schools.....	131
In other public institutions.....	27
Special boxes in places of amusement, hotels, etc.....	283
Total.....	1,273

Of the street alarm boxes, 514 are of the keyless-door pattern.

During the coming year it is contemplated to place keyless doors upon all the remaining fire-alarm boxes in the city south of One Hundred and Thirtieth street not heretofore provided for, which is a very necessary and desirable improvement. For this purpose the sum of \$4,000 has been set apart.

It is also contemplated to place durable and conspicuous signs upon the lamp-posts at each street intersection south of One Hundred and Thirtieth street, at which no fire-alarm box is located, showing upon them the location of the nearest fire-alarm box. Samples of these signs have, with the consent of the Department of Public Works, been placed in various locations along the line of Broadway. It is believed that they furnish the simplest, most inexpensive and best directions as to the location of the fire-alarm boxes. It is proposed to have the signs made of enameled white metal with black or blue letters upon them. The sum of \$2,500 has been appropriated for doing this work.

The following table shows the number of alarms and calls received at, and transmitted from, the Central Office :

First alarms from—	
Street boxes.....	2,962
Special building boxes.....	14
Automatic Signal Telegraph Company.....	44
Thermostatic Signal Company.....	14
Second alarms.....	163
Third alarms.....	73
Fourth alarms.....	14
Fifth alarms.....	5
Simultaneous alarm.....	1
Special calls for—	
Companies.....	123
Insurance patrols.....	99
Ambulances.....	163
Relief signals.....	183
Total alarms and calls.....	3,858
Messages transmitted.....	11,645
Messages received.....	10,834
Total.....	22,479

Notices of companies leaving quarters on verbal alarms..... 1,198

The Legislature of 1892 passed an act, entitled chapter 275, creating a department of buildings, amending the Consolidation Act, and adding a new section thereto creating a bureau to be known as the Bureau of Fire-alarm Telegraph and Electrical Appliances in the Fire Department.

Section 44 of said act enacted a new section, numbered 517½ of the Consolidation Act, which provided for the organization of the bureau above referred to, and specified its duties as follows :

"Said bureau shall have charge of the construction, care and management of the fire-alarm telegraph system of said department. Said bureau is also charged with the duty of enforcing all the provisions of this title, and all the rules, regulations, orders and requirements made thereunder in regard to electrical wires, and the currents for furnishing light, heat or power for any building in said city, and in regard to the arrangement and use of such light, heat or power."

The section further authorized and required the Board of Fire Commissioners to make rules and regulations in regard thereto, and provided for the enforcement of the provisions of the law and regulations made thereunder ; it also provided the following :

"The Board of Apportionment is hereby required to provide the funds necessary to carry out the requirements of this section for the balance of the current year, either by transfer from unexpended or existing appropriations, or by issue of bonds to be paid out of the taxes of the next year. Thereafter the expense herein imposed shall be provided for in the annual appropriation for said department."

Immediately on the receipt of a certified copy of the act, the Board of Fire Commissioners applied to the Board of Estimate and Apportionment for the funds necessary to carry out the requirements of this section for the remainder of that year. The application was accompanied by the following statement :

"It is estimated that over 8,000 buildings in this city are now connected with electric current for the purpose of furnishing light and power.

"The plan of organization of the new bureau adopted contemplates the division of the city into two sections, each to be under a General Inspector, and the further subdivision of the city into eight districts, to each of which an Inspector is to be assigned, who is to be under the immediate supervision of one of the General Inspectors.

"The duties and responsibilities of the present Superintendent of Telegraph, who has already been designated as the chief of the new bureau, will be greatly increased, and for him, as well as for his principal assistant, the Chief Operator, an increase of salary is asked.

"The estimate has been made as economically as possible, consistent with an efficient administration of the new duties imposed on the Department.

"There are no estimated, unexpended or excessive appropriations in this Department from which a transfer could be made."

No action was taken by the Board of Estimate and Apportionment upon this application. When the Departmental Estimate for the expenses of this Department for the current year was made by the Commissioners, in conformity with the last clause of the section referred to (above quoted), a demand was made for a sufficient sum to cover the expenses of this Bureau for this year.

The following explanatory statement was made at that time :

"To properly direct and supervise the wiring and placing of electrical appliances in buildings, as required by the act referred to, the following will be required as specified in the estimate :

2 General Inspectors, at \$1,800.....	\$3,600 00
8 Inspectors, at \$1,200.....	9,600 00
Draughtsman and Mapmaker.....	1,200 00
Stenographer and Clerk.....	1,200 00
Clerk.....	1,000 00
Messenger.....	750 00
Total.....	\$17,350 00

"It is proposed to divide the city into eight districts, each one under an Inspector, and to have two General Inspectors to supervise their work. The Draughtsman is for the examination and making of plans of electrical work. All must have practical and technical knowledge and experience.

"The Stenographer and Clerk and Clerk and Messenger are necessary for the proper conduct of the business of this Bureau.

"It is estimated that there are more than 8,000 buildings in the city wired to furnish electricity for light or power, or both, and, as is well known, the number of such plants is constantly and rapidly increasing. During the past two and a half years 91 fires caused by defective electric wiring in buildings occurred, causing a loss of \$228,210.

"For the original purposes of this Bureau, the care and maintenance of the Fire-alarm Telegraph, \$26,945 was allowed for the current year, and for the same purposes \$37,900 is called for in the estimate. The increase for fire-alarm telegraph purposes is made up as follows :

2 Additional Operators, at \$1,400.....	\$2,800 00
Instrument Maker.....	1,200 00
Foreman of Construction.....	1,000 00
3 Linemen, at \$900 each.....	2,700 00
2 Joiners and Plumbers, at \$1,000.....	2,000 00
Machinist.....	1,100 00

The Board of Estimate and Apportionment, however, ignored these demands, and nothing was allowed for the purpose of carrying the new provisions into effect. For this reason the Department has been unable to enforce the law referred to.

SANITARY STATISTICS OF THE UNIFORMED FORCE.

Cases of Disability.

	NUMBER.	DAYS LOST.
Injuries.....	536	8,747
Disease.....	177	4,120
Total.....	713	12,867

Examination of candidates for appointment to the uniformed force :

Number found qualified.....	154
Number found disqualified.....	152
Total examined.....	306

Deaths in the Uniformed Force.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF DEATH.	CAUSE.
Patrick Mead.....	Fireman, 1st grade...	Engine 8.	Jan. 1, 1873	Feb. 7	Pneumonia.
Edward J. Broderick..	" 1st grade...	H. & L. 7.	" 27, 1881	" 10	Bright's disease.
George S. Searles.....	Foreman.....	Engine 36.	Nov. 15, 1874	" 21	Phthisis.
Michael Herity.....	Fireman, 1st grade...	" 37.	" 4, 1868	Mar. 28	Pneumonia.
Hugh T. Grinnon.....	" 1st grade. .	" 48.	Aug. 27, 1884	" 31	Pneumonia.
William Purdy.....	Engineer.....	" 43.	Dec. 17, 1885	Apr. 24	Ulcer of stomach.
James H. Monroe....	Foreman.....	H. & L. 5.	Oct. 16, 1865	May 27	Pneumonia.
Daniel B. Guinan.....	Fireman, 1st grade...	" 3.	Dec. 9, 1880	July 5	Phthisis.
Maurice Flynn.....	" 1st grade...	" 11.	Feb. 17, "	" 31	Drowned while in bathing.
John W. Manning....	" 1st grade...	" 9.	Dec. 23, 1888	Sept. 7	Pneumonia.
Patrick Connor.....	" 1st grade...	Engine 45.	Mar. 22, 1882	" 23	
Lawrence Murphy...	Foreman.....	" 47.	July 12, 1871	Dec. 31	Heart disease.
John A. Robertson...	Fireman, 1st grade...	H. & L. 8.	Oct. 24, 1892	" 4	Phthisis.
Edward Lane.....	" 1st grade...	Engine 26.	Nov. 15, 1883	" 8	Pneumonia.

Deaths among those Relieved from Service at Fires.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	WHEN RELIEVED.	CAUSE.	DATE OF DEATH.	CAUSE.
John Burke.....	{ Fireman, 1st } grade	Engine 53	1873. Mar. 1	1892. Dec. 10	{ Asthma and } deafness....	Mar. 31	Bright's disease.
Luke Gleason.....	Foreman.....	H. & L. 13	1875. Aug. 1	1890. July 10	{ Chronic bron- } chitis	Nov. 26	Pneumonia.

Relieved from Service at Fires.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE WHEN RELIEVED.	CAUSE.
John McCabe.....	{ Deputy Chief of } Department..	.....	June 30, 1887	Jan. 2	{ Defective vision, chronic } throat disease.
John H. Kehoe.....	Chief of Battalion.	.....	Oct. 20, 1865	" 2	{ Chronic bronchitis, defective } vision and hearing.
John Larkin.....	Fireman, 1st grade.	Engine 33..	Nov. 1, "	" 15	{ Chronic rheumatism, defec- } tive vision.
George W. Jonas.....	" 1st grade.	H. & L. 14.	Aug. 1, 1872	" 15	Chronic rheumatism.
William Peto.....	Engineer.....	Engine 15..	Oct. 13, 1865	" 15	{ Chronic rheumatism and } rupture.....
James Carolan.....	Fireman, 1st grade.	" 2..	Mar. 16, 1871	Feb. 1	{ Chronic rheumatism, stiff } ankle joint, due to injury.
Peter E. Sheede.....	Engineer.....	" 13..	Nov. 14, 1883	June 1	Stiff ankle joint, due to injury.
John H. Watson.....	Fireman, 1st grade.	" 37..	May 2, 1866	" 1	Chronic rheumatism.
Robert K. Grace.....	" 1st grade.	" 53..	Oct. 15, 1873	" 1	Heart disease.
Timothy McDonald...	" 1st grade.	H. & L. 9..	" 25, 1865	" 1	Defective vision.
Adam Feit.....	" 1st grade.	Engine 22..	" 6, "	" 14	Heart disease.
William H. Reynolds.	" 1st grade.	" 16..	Feb. 11, 1876	Oct. 1	"
Lawrence P. Farley...	" 1st grade.	" 20..	Apr. 21, 1873	" 1	{ Defective hearing and vision } due to injuries to head.
Stephen A. Kent.....	" 1st grade.	" 50..	" 1, 1878	" 1	Phthisis.
John F. Murphy.....	" 1st grade.	H. & L. 19.	Sept. 1, 1885	" 1	Heart disease.
William Donnelly.....	" 1st grade.	" 15.	Oct. 1, 1869	" 1	"
James F. Holmes.....	" 1st grade.	Engine 42..	Feb. 1, 1873	" 1	"
Samuel Campbell.....	Chief of Battalion..	.....	Oct. 16, 1865	Dec. 1	{ Stiff joint due to injuries, } chronic bronchitis and } rheumatism.

Retired from all Service.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE WHEN RETIRED.	CAUSE.
Michael Brady.....	Fireman, 1st grade.	Engine 51.	Oct. 16, 1873	June 10	Spinal troubles, due to injuries.

APPARATUS.

Purchased.

The following new apparatus was purchased during the year :
Five engines, four four-wheeled hose wagons and two hook and ladder trucks (see " Description of Steam Fire-engines, Hose Wagons, Hook and Ladder Trucks, etc.," in another part of this report).

Rebuilt.

2 steam fire-engines.
1 hook and ladder truck.

REPAIR SHOP WORK.

Extensive Repairs.

28 to steam fire-engines.
2 to hook and ladder trucks.
18 to hose wagons.
4 to hose tenders.

Ordinary Repairs.

258 to steam fire-engines.
64 to hose tenders.
15 to hose wagons.
91 to hook and ladder trucks.
12 to water-towers.
15 to floating engines.
88 to battalion wagons.
48 to various wagons.

Repairs by the Wrecking Force.

65 to steam fire-engines.
64 to hook and ladder trucks.
11 to floating engines.
13 to hose tenders.
18 to hose wagons.
3 to battalion wagons.

In addition to the above, a large amount of work, consisting of parts of apparatus, harness, etc., manufactured, and repairs, painting, etc., was done by the mechanical force.

Inventory of Apparatus.

	TOTAL.
Marine steam fire-engines (Engine Companies Nos. 43, 51 and 57).....	3
First size.....	19
Second size.....	41
Steam fire-engines.....	17
Third size.....	15
Fourth size.....	15
Fifth size.....	2

	TOTAL.
Hose tenders, four-wheeled.....	43
Hose tenders, four-wheeled—double reel (for boat).....	1
Hose tenders, two-wheeled.....	33
Hose wagons, four-wheeled.....	31
Water-towers.....	4
Turn-table, with extension ladder.....	5
Roller-frame, with extension ladder.....	1
Goose-neck, without extension ladder.....	5
Hook and ladder trucks.....	20
First size.....	8
Second size.....	8
Chemical fire-engines.....	5
Fuel wagons.....	23
Wrecking truck.....	1
Hand-engines.....	2
Hose carriage.....	1
Hose jumpers.....	8
Chief of Battalion wagon.....	22
Portable water tank.....	1

Classified Description of Steam Fire Engines.

Size.	STYLE OF—			SIZE IN INCHES OF—			WEIGHT WITH WATER.	WHEN BUILT OR PLACED IN SERVICE.	MANUFACTURER'S—		WHERE IN SERVICE.
	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.			Name.	Number.	
1	Barrel tank.....	Drop tube.....	Double.....	8	12	4 1/4	8,800	1865	Amoskeag Manufacturing Company.....	143	Spare.
1	".....	".....	".....	8	12	4 1/4	8,800	1866	".....	191	"
1	".....	".....	".....	8	12	4 1/4	8,800	1866	".....	192	"
1	".....	".....	".....	8	12	4 1/4	8,800	1866	".....	193	"
1	* Straight frame.....	".....	".....	8 1/2	8	4 1/4	9,600	1872	".....	284	"
1	* Crane neck.....	".....	".....	7 1/2	8	4 1/2	7,320	1879	".....	527	"
1	".....	Coil.....	".....	7 1/4	8	4 1/4	7,575	1880	Ahrens Manufacturing Company.....	252	Engine 34.
1	".....	Drop tube.....	".....	8	7	4 7/8	7,450	1880	Clapp & Jones Manufacturing Company.....	351	" 33.
1	".....	".....	".....	8	7	5	7,450	1880	".....	352	" 7.
1	".....	".....	".....	8 1/2	7	5	7,890	1882	".....	380	" 14.
1	".....	".....	".....	8 1/2	7	5	8,110	1882	".....	381	" 1.
1	".....	".....	".....	8 1/2	7	5	7,890	1882	".....	383	" 19.
1	".....	".....	".....	8 1/2	7	5	7,890	1882	".....	385	" 55.
1	".....	".....	".....	9	8	5 1/2	8,430	1890	".....	544	" 30.
1	".....	Sectional coil.....	".....	9	8	5 1/2	8,490	1891	".....	558	" 16.
1	".....	".....	".....	9	8	5 1/2	8,460	1891	".....	559	" 25.
1	".....	".....	".....	9	8	5 1/2	8,155	1892	American Fire Engine Company.....	2,152	" 21.
1	".....	".....	".....	9	8	5 1/2	8,360	1893	".....	2,220	" 20.
1	".....	".....	".....	9	8	5 1/2	8,385	1893	".....	2,221	" 27.
2	".....	Nest tube.....	".....	8	12	4 3/4	6,520	1865	Amoskeag Manufacturing Company.....	158	"
2	".....	Tubular.....	".....	8	12	4 3/4	6,750	1866	".....	159	Engine 5.
2	".....	Nest tube.....	".....	8	12	4 3/4	6,750	1866	".....	160	Spare.
2	".....	Drop tube.....	".....	8	12	4 3/4	6,750	1866	".....	162	"
2	".....	".....	".....	8	12	4 3/4	6,750	1866	".....	163	Ward's Island.
2	".....	Tubular.....	".....	8	12	4 3/4	6,750	1866	".....	164	Engine 13.
2	".....	Sectional coil tube.....	".....	8	12	4 3/4	6,750	1866	".....	165	" 16.
2	Straight frame.....	".....	".....	6 7/8	8	4 1/2	6,700	1867	".....	226	Spare.
2	".....	Drop tube.....	".....	6 7/8	8	4 1/2	6,700	1867	".....	227	"
2	".....	".....	".....	6 7/8	8	4 1/2	6,700	1867	".....	228	"
2	".....	".....	".....	6 7/8	8	4 1/2	6,700	1867	".....	229	"
2	".....	".....	".....	6 7/8	8	4 1/2	6,700	1867	".....	230	"
2	".....	".....	".....	6 7/8	8	4 1/2	6,700	1868	".....	295	"
2	".....	Nest tube.....	".....	6 7/8	8	4 1/2	6,700	1868	".....	296	Engine 39.
2	".....	".....	".....	6 7/8	8	4 1/2	6,700	1868	".....	302	" 41.
2	Crane neck.....	".....	".....	7 1/4	8	4 3/8	8,250	1886	La France Fire Engine Company.....	108	" 9.
2	".....	Sectional coil tube.....	".....	7 1/2	7	4 7/8	7,240	1887	Clapp & Jones Manufacturing Company.....	491	" 24.
2	".....	Drop tube.....	".....	6 7/8	8	4 1/2	6,800	1871	Amoskeag Manufacturing Company.....	359	" 23.
2	".....	".....	".....	6 7/8	8	4 1/2	6,800	1871	".....	360	" 15.
2	".....	".....	".....	6 7/8	8	4 1/2	6,800	1871	".....	361	Spare.
2	".....	".....	".....	6 7/8	8	4 1/2	6,800	1871	".....	362	"
2	".....	".....	".....	6 7/8	8	4 1/2	7,385	1871	".....	363	"
2	".....	Tubular.....	".....	6 7/8	8	4 1/2	7,250	1873	".....	437	Engine 8.
2	".....	Drop tube.....	".....	6 7/8	8	4 1/2	6,950	1873	".....	438	Spare.
2	".....	".....	".....	6 7/8	8	4 1/2	6,950	1873	".....	439	"
2	".....	".....	".....	6 7/8	8	4 1/2	6,950	1873	".....	440	"
2	".....	".....	".....	6 7/8	8	4 1/2	6,950	1873	".....	441	"
2	".....	".....	".....	6 7/8	8	4 1/2	6,950	1873	".....	455	"
2	".....	Coil.....	".....	6 3/4	8	4 1/4	6,210	1883	Ahrens Manufacturing Company.....	358	Engine 28.
2	".....	".....	".....	6 3/4	8	4 1/4	6,210	1883	".....	360	" 11.
2	".....	Drop tube.....	".....	7 1/2	7	4 3/8	6,550	1883	Clapp & Jones Manufacturing Company.....	413	" 32.
2	".....	".....	".....	7 1/2	7	4 3/8	6,485	1883	".....	415	" 29.
2	".....	".....	Rotary.....	9	..	..	6,400	1884	Silsby Manufacturing Company.....	780	Ward's Island. Spare
2	".....	".....	Double.....	7 1/2	7	4 3/8	6,885	1885	Clapp & Jones Manufacturing Company.....	463	Engine 54.
2	".....	Sectional coil tube.....	".....	7 1/2	7	4 3/8	6,740	1886	".....	473	" 4.

* Formerly self-propellers.

Size.	STYLE OF—			SIZE IN INCHES OF—			WEIGHT WITH WATER.	WHEN BUILT OR PLACED IN SERVICE.	MANUFACTURER'S—		WHERE IN SERVICE.
	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.			Name.	Number.	
2	Crane neck.....	Nest tube.....	Double.....	7½	8	4½	8,230	1888	La France Fire Engine Company.....	146	Engine 18.
2	"	"	"	7½	8	4½	8,675	1888	"	147	" 5.
2	"	"	"	8¼	8	4½	8,050	1892	"	224	" 12.
2	"	"	"	8¼	8	4½	8,060	1892	"	232	" 3.
3	Harp tank.....	Drop tube.....	Single.....	7½	9½	4½	5,550	1861	Amoskeag Manufacturing Company.....	36	Spare.
3	"	"	"	7½	9	4½	5,700	1876	"	516	"
3	"	Nest tube.....	"	7½	9	4½	5,700	1877	"	517	Engine 50.
3	"	"	"	7½	9	4½	5,700	1877	"	519	" 38.
3	"	"	"	7½	9	4½	5,700	1877	"	520	" 37.
3	Straight frame.....	Coil.....	"	8	7	5	4,665	1883	Ahrens Manufacturing Company.....	354	" 45.
3	"	"	"	8	7	5	4,665	1883	"	356	" 42.
3	Horizontal.....	Tubular.....	"	6	10	4½	....	1865	Clapp.....	...	Randall's Island.Spare
3	Crane neck.....	Nest tube.....	Double.....	8¼	6	4½	7,490	1889	La France Fire Engine Company.....	165	Engine 56.
3	"	"	"	8¼	6	4½	7,420	1889	"	164	" 6.
3	"	"	"	8¼	6	4½	7,450	1889	"	163	" 26.
3	"	"	"	8½	6	4½	7,710	1890	"	187	" 17.
3	"	"	"	8½	6	4½	7,720	1890	"	186	" 35.
3	"	"	"	8½	6	4½	7,510	1891	"	202	" 10.
3	"	"	"	8½	6	4½	7,500	1891	"	203	" 2.
3	"	"	"	7½	8	4½	6,882	1892	"	233	" 40.
3	"	"	"	7½	8	4½	6,935	1893	"	256	" 58.
2	"	"	"	8¼	8	4½	8,170	1893	"	257	" 13.
2	"	"	"	8¼	8	4½	7,920	1893	"	258	" 31.
4	"	Drop tube.....	"	9½	6	5½	5,750	1881	Clapp & Jones Manufacturing Company.....	359	" 31.
4	"	"	"	9½	6	5½	5,750	1881	"	362	" 44.
4	"	"	"	9½	6	5½	5,750	1881	"	365	" 53.
4	"	"	"	9½	6	5½	5,300	1881	"	368	" 33.
4	"	"	"	9½	6	5½	5,300	1881	"	370	" 12.
4	"	"	"	9½	6	5½	5,300	1881	"	371	" 49.
4	"	"	"	9½	6	5½	5,300	1881	"	375	Spare.
4	"	"	"	9½	6	5½	5,950	1884	"	430	Engine 18.
4	"	"	"	9½	6	5½	5,950	1884	"	432	" 22.
4	"	"	"	9½	6	5½	5,950	1884	"	433	" 47.
4	"	"	"	6¼	6	5½	5,950	1884	"	434	" 27.
4	"	"	"	9½	6	5½	5,950	1884	"	436	" 26.
4	"	"	"	9½	6	5½	5,950	1884	"	438	" 36.
4	Straight frame.....	"	"	9½	6	5½	4,750	1883	"	409	" 48.
4	"	"	"	9½	6	5½	4,745	1883	"	417	" 46.
5	Crane neck.....	"	"	7½	6	4½	4,680	1882	"	397	Spare.
5	"	"	"	7½	6	4½	5,030	1884	"	452	Engine 52.
1	Marine engine.....	Tubular.....	"	{ 11 11 16 16 16½ 17	{ 12 12 9 9 11 11	{ 5 5 7½ 7½ 10 10	{	{ 1875 1883 1891	{ Amoskeag Manufacturing Company, pumps..... Clapp & Jones Manufacturing Company, pumps.... { La France Fire Engine Company..... { Clapp & Jones Manufacturing Company.....	{ { 513 { 514 { 495 { 406	{ " 43. " 51. " 57.

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

STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.
Four-wheel hose tenders.....	Dept. Repair Shops.....	1865	1a	Spare.
"	"	1877	37	"
"	"	1877	38	"
"	"	1881	42	"
"	Fire Extinguisher Mfg. Co.....	1882	43	"
"	"	1882	45	"
"	"	1882	46	"
"	"	1882	48	Eng. Co. 44.
"	"	1882	34	Spare.
"	P. J. Nevins.....	1882	49	Eng. Co. 48.
"	J. U. Bauchelle.....	1883	51	Spare.
"	"	1883	54	"
"	"	1883	55	Eng. Co. 37.
"	"	1883	56	" 42.
"	"	1883	57	" 45.
"	"	1883	58	" 47.
"	"	1883	59	" 50.
"	Fire Extinguisher Mfg. Co.....	1884	60	Spare.
"	"	1884	61	Eng. Co. 10.
"	"	1884	62	Spare.
"	"	1884	63	"
"	"	1884	64	"
"	"	1884	65	"
"	"	1885	66	Eng. Co. 52.
"	Gleason & Bailey Mfg. Co.....	1886	68	" 53.
"	"	1886	69	" 23.
"	"	1886	70	" 22.
"	"	1886	72	Spare.
Four-wheel double reel boat tender..	Dept. Repair Shops.....	1889	1	H. & L. Co. 15.
Two-wheel hose tenders.....	" .....	....	19	Spare.
" .....	" .....	....	20	"
" .....	" .....	....	21	"
" .....	" .....	....	22	"
" .....	" .....	....	24	Eng. Co. 16.
" .....	" .....	....	25	" 27.
" .....	" .....	....	27	Spare.
" .....	" .....	....	28	"
" .....	" .....	....	13	"
" .....	" .....	....	22	"
" .....	" .....	....	17	"
" .....	" .....	....	11	"
"	Amoskeag Mfg. Co.....	....	7	Eng. Co. 18.

STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED No.	WHERE USED.
Two-wheel hose tenders.	Amoskeag Mfg. Co.	1866	8	Eng. Co. 49.
"	"	1866	9	Spare.
"	Dept. Repair Shops	1866	1	"
"	Amoskeag Mfg. Co.	1866	15	"
"	Dept. Repair Shops	1867	2	Eng. Co. 5.
"	"	1868	3	Spare.
"	Amoskeag Mfg. Co.	1868	4	Eng. Co. 31.
"	Allerton Mfg. Co.	1869	5	Spare.
"	Dept. Repair Shops	1871	29	Eng. Co. 12.
"	"	1871	30	Spare.
"	"	1872	31	Eng. Co. 7.
"	"	1872	32	Spare.
"	"	1876	36	Eng. Co. 16.
"	"	1879	39	Spare.
"	"	1880	41	"
"	"	1882	44	"
"	"	1883	50	Eng. Co. 13.
"	"	1883	53	" 33.
"	"	1885	67	Spare.
"	"	1886	71	"
Four-wheel hose wagons.	E. B. Preston & Co.	1889	1	Eng. Co. 38.
"	"	1889	2	H. & L. Co. 19.
"	Gleason & Bailey Mfg. Co.	1890	3	Eng. Co. 24.
"	"	1890	4	" 4.
"	"	1890	5	" 14.
"	"	1890	6	" 30.
"	"	1890	7	" 13.
"	"	1890	8	" 20.
"	"	1890	9	" 33.
"	"	1890	10	(Boat tender) Eng. Co. 19.
"	Repair Shops	1891	11*	Eng. Co. 41.
"	Gleason & Bailey Mfg. Co.	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	" 30.
"	"	1893	31	" 31.
Four-wheel water-tower.	A. Greenleaf	1883	2	Spare.
"	Fire Extinguisher Mfg. Co.	1885	3	H. & L. Co. 21.
"	Kansas City Supply Co.	1890	4	" 3.
"	"	1892	5	Eng. Co. 7.
Four-wheel water-tank.	Dept. Repair Shops	1883	1	Spare.

STYLE.	LONGEST LADDER.	MANUFACTURER.	When Built or Placed in Service.	Department Registered No.	WHERE USED.
Roller frame	70 feet extension.	Dept. Repair Shops	1872	11	Hook and Ladder Co. 22
"	70 "	Fire Extinguisher Mfg. Co.	1883	25	Spare.
"	70 "	Dept. Repair Shops	1872	9	"
"	70 "	"	1872	36	Hook and Ladder Co. 13
"	70 "	Gleason & Bailey Mfg. Co.	1890	37	" 21
"	60 "	"	1893	43	" 7
"	70 "	"	1893	44	" 20
"	70 "	Rumsey & Co.	1892	40	" 8
"	70 "	"	1892	41	" 9
"	65 "	Dept. Repair Shops	1869	7	" 5
"	65 "	"	1881	19	" 11
"	65 "	"	1878	17	" 20
"	65 "	"	1872	12	" 18
"	50 "	"	1877	16	" 17
"	50 "	Fire Extinguisher Mfg. Co.	1883	27	Engine Company 38.
"	50 "	Dept. Repair Shops	1882	20	Hook and Ladder Co. 5.
"	50 "	"	1882	22	Engine Company 50.
"	50 "	Fire Extinguisher Mfg. Co.	1885	29	" 52.
"	50 "	"	1882	23	Hook and Ladder Co. 19
"	50 feet	Dept. Repair Shops	1882	21	Engine Company 48.
Goose neck	40 "	"	1865	4	" 49.
"	40 "	"	1865	3	Spare.
"	40 "	"	1865	2	" Ward's Island.
"	30 "	"	1865	5	Spare.
"	30 "	"	1865	1	" Randall's Island.
Four-wheel wreck- ing truck	"	Dept. Repair Shops	1879	1	Spare.

HORSES.

Number of horses on hand at last report.385

Purchased since.51

436

Died.13

Sold.18

31

Number on hand.405

On Probation.

At last report.21

Received.80

101

Accepted.51

Rejected.45

96

Remaining on probation.5

DEPARTMENT BUILDINGS AND SITES.

New Buildings.

The new houses for Engine Company No. 58, at No. 81 West One Hundred and Fifteenth street, and Engine Company No. 40, at No. 153 West Sixty-eighth street, reported last year as in course of construction, were completed.

New Sites.

New sites were obtained by purchase, as follows:

On the south side of One Hundred and Fortieth street, 125 feet west of Amsterdam avenue.

On the south side of One Hundred and Seventieth street, 95 feet east of Audubon avenue.

On the east side of Forrest avenue, 453 feet north of New street.

On the east side of Ogden avenue, 195 feet north of Devoe street.

Two lots on the north side of One Hundred and Seventy-sixth street, 150 feet west of Washington avenue.

On the south side of One Hundred and Fiftieth street, 200 feet west of Courtlandt avenue.

Buildings and Sites Occupied by or under Control of the Department.

Headquarters—Office of Commissioners, Bureau—Chief of Department, Inspector of Combustibles and Fire Marshal, and Offices of Attorney, Fire Alarm Telegraph and Medical Officers,

* Formerly a supply wagon, altered at Repair Shops.

Classified Description of Hook and Ladder Trucks.

Size.	STYLE.	LONGEST LADDER.	MANUFACTURER.	When Built or Placed in Service.	Department Registered No.	WHERE USED.
1st .	Turn table.....	85 feet extension.	La France Fire Engine Co.	1886	30	Hook and Ladder Co. 3
1st .	"	85 "	" "	1886	31	" 12
1st .	"	85 "	" "	1887	32	" 16
1st .	"	85 "	" "	1891	38	" 7
2d..	"	75 "	" "	1888	34	" 14
1st .	"	85 "	" "	1893	42	" 4
1st .	Roller frame	75 "	Rumsey & Co.....	1892	39	" 1
1st .	"	73 "	Fire Extinguisher Mfg. Co.	1883	24	" 6
1st .	"	73 "	Dept. Repair Shops	1872	28	Spare.
1st .	"	73 "	"	1879	18	Hook and Ladder Co. 10
1st .	"	73 "	Fire Extinguisher Mfg. Co.	1883	26	" 15
1st .	"	72 "	Dept. Repair Shops.....	1873	15	Spare, 11th Battalion.
1st .	"	70 "	"	1869	6	Hook and Ladder Co. 2
1st .	"	70 "	"	1871	10	Spare.

HORSES.
Number of horses on hand at last report. 385
Purchased since. 51
436

Died. 13
Sold. 18
31

Number on hand. 405

On Probation.

At last report. 21
Received. 80
101
Accepted. 51
Rejected. 45
96

Remaining on probation. 5

DEPARTMENT BUILDINGS AND SITES.

New Buildings.

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On the south side of One Hundred and Fiftieth street, 200 feet west of Courtlandt avenue.

Buildings and Sites Occupied by or under Control of the Department.

Headquarters—Office of Commissioners, Bureaus—Chief of Department, Inspector of Combustibles and Fire Marshal, and Offices of Attorney, Fire Alarm Telegraph and Medical Officers, and School of Instruction, Nos. 157 and 159 East Sixty-seventh street, with drill yard in rear, extending to Sixty-eighth street.

Night quarters, Chief of Department, No. 15 Great Jones street.
Headquarters, Deputy Chief of Department (First District), No. 155 Mercer street. (Hook and Ladder Company No. 20 in same building, at No. 157 Mercer street.)

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

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

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

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

" 4, No. 39 Liberty street.

" 5, No. 340 East Fourteenth street.

" 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 No. 8.)

" 19, No. 355 West Twenty-fifth street. (Fuel Depot No. 11.)

" 20, No. 47 Marion street.

" 21, No. 216 East Fortieth street.

" 22, No. 159 East Eighty-fifth street. (Fuel Depot No. 16.)

" 23, No. 235 West Fifty-eighth street. (Fuel Depot No. 15.)

" 24, No. 78 Morton street. (Fuel Depot No. 7.)

" 25, No. 342 Fifth street.

" 26, No. 220 West Thirty-seventh street.

" 27, No. 173 Franklin street.

Engine Company No. 28, No. 604 East Eleventh street.	
" 29, No. 193 Fulton street. (Hook and Ladder Company No. 10 in same building.)	
" 30, No. 253 Spring street.* (Fuel Depot No. 6.)	
" 31, No. 116 Leonard street.	
" 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 Company No. 16 in same building.)	
" 40, No. 153 (temporary quarters, No. 232) 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, No. 753 Tremont avenue.*	
" 47, West One Hundred and Thirteenth street, 75 feet west of Amsterdam avenue.	
" 48, No. 2504 Webster avenue.	
" 49, Blackwell's Island.	
" 50, No. 749 East One Hundred and Sixty-sixth street. (Fuel Depot No. 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 No. 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.	
Hook and Ladder Company No. 1, No. 26 Chambers street.†	
" 2, No. 126 East Fiftieth street. (Fuel Depot No. 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. (Engine Company No. 29 in same building.)	
" 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 Company No. 39 in same building.)	
" 17, No. 589 East One Hundred and Forty-third street. (Fuel Depot No. 21.)	
" 18, No. 84 Attorney street.	
" 19, No. 1183 Ogden avenue.*	
" 20, No. 157 Mercer street. (Fuel Depot No. 23.)	
" 21, No. 432 West Thirty-sixth street.	
" 22, No. 766 Amsterdam avenue. (Fuel Depot No. 17.)	
Fuel Depot No. 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 Company No. 30.)	
" 7, (see Engine Company No. 24.)	
" 8, (see Engine Company No. 18.)	
" 9, No. 106 East Thirteenth street.	
" 10, (see Engine Company No. 3.)	
" 11, (see Engine Company No. 19.)	
" 12, No. 160 East Thirty-third street.	
" 13, (see Engine Company No. 2.)	
" 14, (see Hook and Ladder Company No. 2.)	
" 15, (see Engine Company No. 23.)	
" 16, (see Engine Company No. 22.)	
" 17, (see Hook and Ladder Company No. 22.)	
" 18, (see Engine Company No. 53.)	
" 19, No. 209 East One Hundred and Twenty-second street.	
" 20, No. 58 Lawrence street.	
" 21, (see Hook and Ladder Company No. 17.)	
" 22, (see Engine Company No. 50.)	
" 23, No. 155 Mercer street. (See Hook and Ladder Company No. 20.)	
Storehouse, No. 20 Eldridge street.	
" No. 180 Clinton street. (Fuel Depot No. 4.)	
" No. 199 Chrystie street. (Fuel Depot No. 5.)	
" No. 1922 Lillian street (formerly Division street), near Boston road.	
" No. 160 East Thirty-third street. (Fuel Depot No. 12.)	

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.

RECEIPTS AND DISBURSEMENTS OF THE RELIEF FUND, 1871-1893.

Receipts.

FROM—	1871 TO 1892, INCLUSIVE.	1893.	TOTAL.
Metropolitan Fire Department Relief Fund.....	\$7,340 07	.....	\$7,340 07
Fines	30,073 75	\$2,142 84	32,216 59
Donations.....	11,223 00	750 00	11,973 00
Penalties.....	13,702 60	127 50	13,830 10
Oil licenses.....	743,438 00	42,600 00	786,038 00
Fireworks permits.....	14,295 25	1,570 00	15,865 25
Interest.....	392,334 01	27,111 55	419,445 56
Foreign insurance tax.....	112,635 73	.....	112,635 73
Powder licenses.....	4,895 50	215 00	5,110 50
Special permits.....	13,532 00	1,624 00	15,156 00
Chimney fires.....	7,791 50	750 00	8,541 50
Fire in street permits.....	825 75	12 00	837 75
Sales—Seized combustibles.....	193 20	10 80	204 00
Sales—Sample oils.....	88 41	.....	88 41
Excise licenses.....	562,807 50	65,565 00	628,372 50
Absences without leave.....	1,853 16	.....	1,853 16
Special leaves.....	28,057 43	3,031 19	31,088 62

FROM—	1871 TO 1892, INCLUSIVE.	1893.	TOTAL.
Sales—Condemned horses, etc.....	\$15,040 88	\$1,570 21	\$16,611 09
New York State Dairy Commission.....	7,000 00	.....	7,000 00
Permits for sale, use, etc., of explosives.....	4,044 00	1,332 00	5,376 00
Totals.....	\$1,971,181 74	\$148,412 09	\$2,119,593 83

Disbursements.

	1871 TO 1892, INCLUSIVE.	1893.	TOTAL.
Premium on City Bonds.....	\$3,150 00	.....	\$3,150 00
Salaries	18,227 31	.....	18,227 31
Expense account.....	13,991 66	\$6 96	13,998 62
Pay of Relieved Men.....	299,264 03	69,637 76	368,901 79
Pensions of Retired Men.....	549,412 20	42,427 67	591,839 87
Pensions of Widows and Orphans.....	396,293 52	45,721 20	442,014 72
Totals.....	\$1,280,338 72	\$157,793 59	\$1,438,132 31

Recapitulation.

Receipts, June 1, 1871, to December 31, 1893.....	\$2,119,593 83
Disbursements, June 1, 1871, to December 31, 1893.....	1,438,132 31
December 31, 1893, Balance on hand.....	\$681,461 52

RECEIPTS AND DISBURSEMENTS OF THE NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND, 1871 TO 1893.

Receipts.

1871 to 1892, inclusive.....	\$282,752 87
1893.....	19,102 00
Total receipts.....	\$301,854 87

Disbursements.

1871 to 1892, inclusive.....	\$279,000 00
1893.....	19,000 00
Total disbursements.....	298,000 00
December 31, 1894, Balance on hand.....	\$3,854 87

New York Fire Department Life Insurance Fund.

Dec. 31, 1892	Balance on hand.....	\$3,752 87	
Dec. 31, 1893	Receipts—		
	For assessments	19,102 00	\$22,854 87
Dec. 31, 1893	Disbursements—		
	To widow of Michael Kirwin.....	\$1,000 00	
	“ James McCann.....	1,000 00	
	“ Charles Willett.....	1,000 00	
	To executrix of Jacob Reiter.....	1,000 00	
	To widow of Patrick Mead	1,000 00	
	“ George S. Searle.....	1,000 00	
	To administrator of Edward J. Broderick.....	1,000 00	
	To widow of Michael Herity.....	1,000 00	
	“ Hugh T. Grinnon.....	1,000 00	
	To administrator of John Burke.....	1,000 00	
	To widow of William Purdy	1,000 00	
	“ James H. Monroe.....	1,000 00	
	“ Daniel B. Guinan.....	1,000 00	
	“ Maurice Flynn.....	1,000 00	
	“ John Coyle.....	1,000 00	
	“ Paul Schuck.....	1,000 00	
	To administratrix of John W. Manning.....	1,000 00	
	To administrator of Patrick Connor.....	1,000 00	
	To widow of Lawrence Murphy.....	1,000 00	
Dec. 31, 1893	Balance.....		19,000 00
			\$3,854 87

Very respectfully,

JOHN J. SCANNELL,
ANTHONY EICKHOFF,
S. HOWLAND ROBBINS,
Commissioners.

JOHN R. SHIELDS, Assistant Secretary.

BOARD OF ELECTRICAL CONTROL.

Minutes of a meeting of the Board of Electrical Control, held at the office of the Mayor, in the City of New York, on Friday, June 22, 1894, at 11 o'clock A. M.
Present—Mayor Thomas F. Gilroy, President; Commissioners Jacob Hess, Theodore Moss, Walton Storm.

The minutes of the last meeting were read and approved.

The application of the Commercial Cable Company, dated June 19, 1894, asking for the construction of a subway in Battery place, from the present terminus of subway at northeast corner Battery place and Greenwich street to Pier A, North river, was read.

After hearing a representative of the Commercial Cable Company, giving reasons why they should be allowed to disturb the new paving for the construction of a subway, etc., along Battery place to Pier A, North river, the President of the Empire City Subway Company, the Commissioner of Public Works, the President of the Dock Department, and the President of Department of Public Parks, on motion of his Honor the Mayor, it was

Resolved, That the application of the Commercial Cable Company for the construction of a subway for the accommodation of its electrical conductors, dated June 19, 1894, be and is hereby granted.

Resolved, That the Empire City Subway Company (Limited) be and it is hereby authorized and directed to construct a subway for the accommodation of low-tension electrical conductors in

Battery place, from the northeast corner of Battery place and Greenwich street to the southeast corner of Battery place and West street, as indicated by the dotted red lines on the diagram of the application of the Commercial Cable Company.

Provided that said Empire City Subway Company will enter into a stipulation with the Commissioner of Public Works to repave any portion, or the whole of that street, in order to restore the new pavement to its proper condition.

Provided, also, that this resolution shall not take effect until the corporations and individuals making application for the construction of said subway shall have first furnished to said Empire City Subway Company security for the occupation of said subway and the payment of rentals therefor in advance, as provided by chapter 263 of the Laws of 1892.

Resolved, That the Empire City Subway Company (Limited) be and it is hereby authorized and directed to construct a subsidiary, for the accommodation of the Commercial Cable Company, from the southeast corner of Battery place and West street westerly across West street to Pier "A," as indicated by the dotted red lines on the diagram of the application of said last-mentioned company.

Provided that the consent of the Dock Department shall be first obtained; and provided, also, that said Empire City Subway Company will stipulate with the Commissioner of Public Works to repave so much of said street over and along the route of said subsidiary as may be necessary to restore the new pavement to its proper condition.

The following communications from the Provident Loan Society and the Holmes Electric Protective Company were read; and the request of the society that the Holmes Company be permitted to connect the society's office at Fourth avenue and Twenty-second street with overhead wires run from Holmes subway terminal at Twentieth street and Fourth avenue was denied, on the ground that there is a subway in Fourth avenue:

THE PROVIDENT LOAN SOCIETY OF NEW YORK,
UNITED CHARITIES BUILDING,
NEW YORK, June 20, 1894.

Hon. THOMAS F. GILROY, Mayor, etc., City Hall, City:

DEAR SIR—The inclosed letter to me, dated the 18th inst., from the Holmes Electric Protective Company, shows that that company cannot protect the office of the Provident Loan Society, at the corner of Twenty-second street and Fourth avenue, unless it can run wires for that purpose from its underground terminal at Twentieth street and Fourth avenue, about two blocks. The Holmes Company informs me that the Board of Electrical Control in refusing it a permit to do this suggested that it might apply to you for an expression of your views on the subject.

As the Provident Loan Society is a quasi-public corporation, it would be glad to have you consider whether its philanthropic work would not justify the stringing of a wire for these two blocks, at least on some temporary permit.

If you will kindly advise me as to your views on the matter you will greatly oblige.

Yours, respectfully,

ALFRED BISHOP MASON, Chairman Organization Committee.

EXECUTIVE OFFICES HOLMES ELECTRIC PROTECTIVE COMPANY,
NEW YORK, June 18, 1894.

Mr. A. B. MASON, No. 10 Wall Street:

DEAR SIR—The Board of Electrical Control have refused to grant us a permit to run an overhead wire from our underground terminal on Twentieth street near Fourth avenue to the office of the Provident Loan Society. As we cannot put up a wire without the authority of the Board, we regret to say that we will not be able to furnish the society our system of protection and service. There are underground conduits on Fourth avenue that we could rent, but the business that we might secure east of Fourth avenue would not warrant us in assuming the rental of a duct.

Yours, truly,

JAMES TOMNEY, Treasurer.

Three applications of the Metropolitan Telephone and Telegraph Company were laid over.

The Engineer reported on an application of the North River Electric-light and Power Company, as follows:

NEW YORK, June 21, 1894.

To the Board of Electrical Control:

GENTLEMEN—Reporting on the annexed application of the North River Electric-light and Power Company to erect poles and string wires, referred to me at the last meeting. I beg to state that the construction for which permission is requested is for city lighting, and I therefore recommend that the application be granted.

Very respectfully,

HENRY S. KEARNY, Engineer.

On motion, the foregoing report of the Engineer was adopted, and the Secretary was directed to issue a permit to the company on its application.

The Engineer also reported as follows:

NEW YORK, June 22, 1894.

To the Honorable the Commissioners of the Board of Electrical Control:

GENTLEMEN—Since the last meeting of the Board I have received the following applications for subway construction, which are herewith submitted:

From the New York Heat, Light and Power Company (dated June 7).

From the United Electric-light and Power Company (dated June 19).

From the Mount Morris Electric-light Company (dated June 21).

Following the former rule of the Board, I recommend that the application of the New York Heat, Light and Power Company for the construction of a subway in Gold street, from John street to Maiden Lane, be granted, the same being through a street where old paving exists.

The application of the United Electric-light and Power Company, asking that their request for subway on Second avenue, from Houston to Fourteenth street, formerly granted for one side, be considered for both sides, I recommend.

The application of the Mount Morris Electric-light Company for construction of a subway in Duane street, where the street has been paved with granite blocks since 1890, I cannot recommend, and so report for such action as the Board may see fit.

Very respectfully,

HENRY S. KEARNY, Engineer.

The Board, after consideration of the foregoing report and accompanying applications, on motion of his Honor, the Mayor, adopted the following resolutions:

Resolved, That the application of the New York Heat, Light and Power Company for the construction of a subway for the accommodation of its electrical conductors, dated June 7, 1894, be and is hereby granted.

Resolved, That the Consolidated Telegraph and Electrical Subway Company be and it is hereby authorized and directed to construct a subway for the accommodation of high-tension electrical conductors in Gold street, from John street to Maiden Lane.

Provided, however, that this resolution shall not take effect until the corporations and individuals making application for the construction of said subway shall have first furnished to said Consolidated Telegraph and Electrical Subway Company security for the occupation of said subway and the payment of rentals therefor in advance, as provided by chapter 263 of the Laws of 1892.

Resolved, That the application of the United Electric-light and Power Company for the construction of a subway for the accommodation of its electrical conductors, dated June 19, 1894, be and is hereby granted.

Resolved, That the Consolidated Telegraph and Electrical Subway Company be and it is hereby authorized and directed to construct a subway for the accommodation of high-tension electrical conductors in Second avenue, both sides, from Houston to Fourteenth street.

On condition that said company relay the asphalt pavement of said street, under the direction of the Department of Public Works, and as much of the street from curb to curb as said Department may deem necessary.

Provided, however, that this resolution shall not take effect until the corporations and individuals making application for the construction of said subway shall have first furnished to said Consolidated Telegraph and Electrical Subway Company security for the occupation of said subway and the payment of rentals therefor in advance, as provided by chapter 263 of the Laws of 1892.

Resolved, That the recommendation of the Engineer with regard to the application of the Mount Morris Electric-light Company for the construction of a subway in Duane street be adopted, and that said application be denied.

On motion, it was

Resolved, That the application of the North River Electric-light and Power Company, dated June 16, 1894, to string one circuit on existing poles, on One Hundred and Thirty-fifth street, from Willis avenue to Brook avenue, be granted, and that the Secretary be directed to issue a permit therefor.

The following communication from the Fire Department was read and ordered to be filed and spread at length on the minutes:

FIRE DEPARTMENT,
BUREAU OF FIRE ALARM TELEGRAPH AND ELECTRICAL APPLIANCES,
Nos. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, June 7, 1894.

To the Hon. Board of Electrical Control, New York City:

GENTLEMEN—About three years ago, the line of telegraph poles on First avenue, north of Houston street, belonging to this department, were taken down and the wires transferred to the poles of the Metropolitan Telephone Company, in compliance with the request of the Board of Electrical Control, that but one line of poles for the same class of service should be maintained upon that avenue.

The change was made after a full discussion and with the understanding that the poles should remain until other provision had been provided for the fire alarm service.

The Metropolitan Company having removed their wires, have also removed a large number of the poles, leaving barely sufficient for the temporary support of the fire wires.

It has now become necessary for the maintenance of the fire alarm system that other facilities be provided, especially between Houston street and Forty-second street, and as no subway facilities are available there appears two courses open for us, to wit:

The reconstruction of the present line, under the sanction of your Honorable Board, or the construction of a new and independent line by this department, and I am instructed to request your Honorable Board to take such action in the matter as may be deemed necessary, to the end that our service may be put in such condition as its importance demands.

Very respectfully,

J. ELLIOT SMITH, Superintendent.

The matter of the foregoing communication was referred to the Engineer for examination and report.

The following communication from the Fire Department was read and ordered to be filed and spread on the minutes:

FIRE DEPARTMENT,
BUREAU OF FIRE ALARM TELEGRAPH AND ELECTRICAL APPLIANCES,
Nos. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, June 21, 1894.

Hon. THEODORE MOSS, Commissioner and Secretary, Board of Electrical Control, No. 1266 Broadway, N. Y. City:

DEAR SIR—Referring to a recent conversation with your Mr. Brown in relation to the removal of poles from the lower east side of the city, I beg to inform you that the work of connecting fire alarm stations in that section by means of short loops from nearest subways, where possible, is now progressing, so that I think that four-fifths of the poles now occupied by this department south of Houston street may be removed within the next sixty days.

For your information I would state that the Fire Commissioners have at present an application before the Board of Apportionment for funds for subway purposes, under provisions of an act of the last Legislature, which, if provided, will aid materially in the future work of getting the fire alarm system underground.

Very respectfully,

J. ELLIOT SMITH, Superintendent.

The Board considered the following communication of the Fire Department in support of an application of the Mount Morris Electric-light Company in behalf of that department, and denied the application, on the ground that it is for an overhead wire:

FIRE DEPARTMENT,
BUREAU OF FIRE ALARM TELEGRAPH AND ELECTRICAL APPLIANCES,
Nos. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, June 21, 1894.

Hon. THEODORE MOSS, Commissioner and Secretary, Board of Electrical Control, No. 1266 Broadway, New York City:

DEAR SIR—This department is very anxious to have its Repair Shops in West Third street, near Sixth avenue, supplied with electric-light service, and to that end has made application to the Mount Morris Company to furnish it.

It is stated by the Mount Morris Company that the approval of their application by your Honorable Board is withheld, and subject to your future action.

The wants of this department are respectfully submitted to you for whatever bearing it may have in the action of your Board in this case.

I have the honor to be

Very respectfully,

J. ELLIOT SMITH, Superintendent.

The Board directed the following communication from the Fire Department to be placed on file and spread on the minutes:

FIRE DEPARTMENT,
BUREAU OF FIRE ALARM TELEGRAPH AND ELECTRICAL APPLIANCES,
Nos. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, June 21, 1894.

Hon. THEODORE MOSS, Commissioner and Secretary, Board of Electrical Control, No. 1266 Broadway, New York City:

DEAR SIR—I have the honor to inform you that this department has taken down, during the month of May, 1894, three and one-half (3½) miles of wire and thirty-two (32) poles.

Very respectfully,

J. ELLIOT SMITH, Superintendent.

The following communication from the Automatic Fire Alarm and Extinguisher Company was read:

THE AUTOMATIC FIRE ALARM AND EXTINGUISHER COMPANY (LIMITED),
No. 413 BROADWAY, NEW YORK, June 18, 1894.

THEODORE MOSS, Esq., Secretary, Board of Electrical Control:

DEAR SIR—Your notice of June 11, wherein you call our attention to the action of your Board on the 7th instant in reference to "unauthorized subway accommodations," was duly received, and in reply I would say, that this company makes use of no such unauthorized conduits or subways; and, so far as our wires have been placed underground, they are all in the ducts provided by the Empire City Subway Company.

I wish further to say that you have kindly extended our time for getting our wires underground, and, as I previously reported to you, we have taken a duct along Broadway, from Chambers to Cortlandt street, through Maiden Lane to Nassau street, down Nassau to Wall street. Our cable has been ordered from the Standard Underground Cable Company, and they have it made and already laid in the subway, and it is now ready to be connected at the manholes.

That involves our obtaining permits along the line to enter the basements in the different blocks which we are now at work upon. One or more men in the employ of this company are giving their entire time to arranging the circuits and obtaining permits for connections by subsidiaries from the subways to the basements of the buildings. It seems to me that this is slow work, and we are not yet ready to have the lines connected up through the subway, but hope to be before long. Meantime, I ask your patient treatment and such extension of our time as may be absolutely necessary.

We are also working on the line between Bleecker street and Twelfth street, where our cable is also in the subway, and arrangements are being made to connect through the basements to our circuits. Furthermore, I have lately applied to the Empire City Subway Company for a duct along Broadway, from Twelfth street to Twenty-third street. Mr. Jamison informs me that between Fifteenth street and Twentieth street the ducts are at present all taken, but he will see, and if possible have one of them cleared for us. I notice in your favor of the 11th that you say, "suitable subway facilities will be furnished," and I may be obliged to apply to you for relief if the Empire City Subway Company do not assign us this duct along Broadway between Twelfth street and Twenty-third street.

Yours, respectfully,

ELIJAH S. COWLES, President.

The foregoing communication was directed to be filed and spread on the minutes, and the matter of extending the time to go in the subways was referred to the Secretary, with power. The Board hereupon adjourned.

METEOROLOGICAL OBSERVATORY

OF THE

DEPARTMENT OF PUBLIC PARKS,
CENTRAL PARK, NEW YORK.

Latitude 40° 45' 58" N. Longitude 73° 57' 58" W. Height of Instruments above the Ground, 53 feet; above the Sea, 97 feet.

ABSTRACT OF REGISTERS FROM SELF-RECORDING INSTRUMENTS

For the Week Ending June 30, 1894.

Barometer.

DATE. JUNE.		7 A.M.	2 P.M.	9 P.M.	MEAN FOR THE DAY.	MAXIMUM.		MINIMUM.	
		Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Time.	Reduced to Freezing.	Time.
Sunday,	24	30.030	30.076	30.112	30.073	30.150	7 P.M.	29.980	0 A.M.
Monday,	25	30.100	30.054	30.016	30.057	30.120	0 A.M.	29.998	12 P.M.
Tuesday,	26	29.994	29.912	29.866	29.924	29.998	0 A.M.	29.854	12 P.M.
Wednesday,	27	29.844	29.812	29.870	29.842	29.874	12 P.M.	29.812	2 P.M.
Thursday,	28	29.900	29.918	29.958	29.925	29.982	12 P.M.	29.852	3 A.M.
Friday,	29	29.996	29.974	29.992	29.987	30.000	9 A.M.	29.966	5 P.M.
Saturday,	30	30.000	29.986	30.000	29.995	30.000	9 P.M.	29.960	5 P.M.

Mean for the week 29.972 inches.
Maximum " at 7 P.M., June 24th 30.160 "
Minimum " at 2 P.M., June 27th 29.812 "
Range "348 "

Thermometers.

DATE. JUNE.		7 A.M.		2 P.M.		9 P.M.		MEAN.		MAXIMUM.			MINIMUM.			MAXIMUM.		
		Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Time.	Wet Bulb.	Time.	Dry Bulb.	Time.	Wet Bulb.	Time.	In Sun.
Sunday,	24	84	76	79	72	66	63	76.3	70.3	84	7 A.M.	76	7 A.M.	64	12 P.M.	61	12 P.M.	127. 11 A.M.
Monday,	25	64	61	71	68	71	68	68.6	65.6	74	6 P.M.	70	6 P.M.	61	4 A.M.	60	4 A.M.	94. 11 A.M.
Tuesday,	26	70	68	85	78	78	73	77.6	73.0	85	2 P.M.	78	2 P.M.	69	5 A.M.	68	5 A.M.	130. 1 P.M.
Wednesday,	27	75	72	85	73	77	72	79.0	72.3	85	2 P.M.	74	12 M.	74	12 P.M.	71	12 P.M.	129. 1 P.M.
Thursday,	28	73	69	83	73	78	74	78.0	72.0	86	5 P.M.	77	6 P.M.	71	6 A.M.	68	6 A.M.	132. 2 P.M.
Friday,	29	71	63	80	74	74	71	75.0	71.3	85	4 P.M.	76	4 P.M.	71	5 A.M.	69	5 A.M.	127. 12 M.
Saturday,	30	72	71	82	76	76	72	76.6	73.0	82	2 P.M.	76	2 P.M.	72	7 A.M.	69	12 P.M.	130. 11 A.M.

Mean for the week 75.9 degrees.
Maximum for the week, at 5 P.M., 28th 86. " at 2 P.M., 26th 78. "
Minimum " at 4 A.M., 25th 61. " at 4 A.M., 25th 60. "
Range " 25. " 18. "

Wind.

DATE.	JUNE.	DIRECTION.			VELOCITY IN MILES.				FORCE IN POUNDS PER SQUARE FOOT.				
		7 A.M.	2 P.M.	9 P.M.	3 P.M. to 7 A.M.	7 A.M. to 2 P.M.	2 P.M. to 9 P.M.	Distance for the Day.	7 A.M.	2 P.M.	9 P.M.	Max.	Time.
Sunday,	24	NNE	ENE	ESE	18	54	44	116	0	1/2	3/4	2 1/4	10.30 A.M.
Monday,	25	ESE	SE	SE	52	15	9	76	0	0	0	1/4	1.40 A.M.
Tuesday,	26	ENE	S	SSW	2	32	56	90	0	1/2	1 1/4	1 1/2	3.30 P.M.
Wednesday,	27	SSW	W	SSW	74	80	64	218	1/4	3	0	5	0.50 P.M.
Thursday,	28	NW	WNW	ESE	34	33	20	87	0	0	0	1/4	0.40 P.M.
Friday,	29	ESE	SE	S	13	20	32	65	0	1/4	0	1/4	2 P.M.
Saturday,	30	SSE	SE	S	18	28	25	71	0	1/4	0	2 1/2	3.40 P.M.

Distance traveled during the week 723 miles.
Maximum force " 5 pounds.

DATE. JUNE.	Hygrometer.								Clouds.			Rain and Snow. Ozone.					
	FORCE OF VAPOR.				RELATIVE HUMIDITY.				CLEAR, °. OVERCAST, 10.			DEPTH OF RAIN AND SNOW IN INCHES.					
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	Time of Beginning.	Time of Ending.	Duration. H. M.	Amount of Water.	Depth of Snow. IN.	° TO
Sunday, 24	.789	.690	.536	.671	67	69	84	73	3 Cir.	6 Cir.Cu	10						3
Monday, 25	.497	.644	.644	.595	83	85	85	84	10	10	10						0
Tuesday, 26	.658	.863	.744	.755	90	72	77	79	10	5 Cu.	2 Cu.						0
Wedn'day, 27	.744	.650	.718	.704	86	54	77	72	7 Cu.	6 Cir.Cu	3 Cu.						2
Thursday, 28	.655	.677	.785	.705	80	60	82	74	0	4 Cir.Cu	0						0
Friday, 29	.682	.758	.718	.719	90	74	85	83	10	6 Cu.	10						0
Saturday, 30	.745	.816	.731	.764	95	74	81	83	10	7 Cu.	0	4.30 A.M.	7 A.M.	2.30	.15		

Total amount of water for the week 15 inch.
Duration for the week 2 hours, 30 minutes.

DATE.	7 A.M.	2 P.M.
Sunday, June 24	Hot, close	Warm, hazy
Monday, " 25	Close, overcast	Mild, overcast
Tuesday, " 26	Close, hazy, dew	Warm, pleasant
Wednesday, " 27	Close, hazy	Warm, pleasant
Thursday, " 28	Warm, pleasant	Warm, close
Friday, " 29	Close, overcast, hazy	Warm, hazy
Saturday, " 30	Close, overcast	Close, overcast

DANIEL DRAPER, PH. D., Director.

LAW DEPARTMENT.

The following schedules form a report of the transactions of the office of the Counsel to the Corporation for the week ending June 23, 1894:

The Mayor, Aldermen and Commonalty of the City of New York are defendants, unless otherwise mentioned.

SCHEDULE "A."

SUITS AND SPECIAL PROCEEDINGS INSTITUTED.

COURT.	REGIS-TER FOLIO.	WHEN COM-MENCED.	TITLE OF ACTION.	NATURE OF ACTION.
Com. Pleas.	46 182	1894. June 18	Bankwitz, Max	Summons only served.
Supreme ...	46 183	" 18	Foley, Ann A., vs. Charles Phelps	Damages for dissecting body of plaintiff's husband, Thomas F. Foley, May 16, 1894, without plaintiff's consent, at Bellevue Hospital, \$10,000.
City	46 184	" 18	Klein, Paulina, vs. Allan Hay Aycrugg, Benjamin Arthur, John B. Aycrugg, individually and as executor of Benjamin B. Aycrugg, deceased, Annie A. Fuller, Jennie G. Aycrugg and Kate Aycrugg	Summons only served.
Supreme ...	46 185	" 18		For payment of an award made to Benjamin B. Aycrugg, in the matter of opening Corlears Hook Park, \$13,000.
Superior ...	46 186	" 19	Kaufmann, Leopold, and Gottlieb Kaufmann	Damages to merchandise in premises at south-easterly corner of 1st avenue and 33d street December 15, 1893, by reason of defective sewer, \$280.10.
Com. Pleas.	46 187	" 19	Welling, Richard W. G., as assignee for the benefit of the creditors of Francis H. Weeks	That assessment for regulating, etc., 10th avenue, between 155th and 164th streets, on premises Ward No. 31, Farm No. 53, be declared void and that plaintiff recover amount paid therefor, \$1,519.55.
Supreme ...	46 188	" 20	Hempe, Maggie J., John H. Martens, William H. Martens, Edward Martens and Charles Clarence Gerd Martens (Matter of)	For an award made on Damage Map Nos. 78, 79, 80, 81, 82 and 83, in the matter of opening Corlears Hook Park, \$48,000.
"	46 189	" 20	Byers, Moses G. (ex rel., vs. Michael T. Daly, Commissioner of Public Works)	Mandamus to compel the granting of a license to sprinkle the streets and avenues in Route No. 7.
"	46 190	" 20	Barilati, Marcello H., vs. The Mayor, etc., William S. Andrews, as Commissioner of Street Cleaning and Pasquale Caponigri	To restrain the defendants from carrying out contract between the Commissioner of Street Cleaning and Caponigri for trimming scows.
"	46 191	" 21	Dana, Charles L.	Services as Medical Expert, between December 18, 1893, and January 1, 1894, in examining the mental condition of Alexander P. Low, a juror in the case of The People vs. Henry C. Meyer, \$350.
Superior ...	46 192	" 22	Monarque, Joseph, vs. The Mayor, etc., Board of Education and the New York Building and Contracting Company	To foreclose mechanics' lien for services performed in erection of temporary school-house at 82d street and Western Boulevard in the City of New York, \$47.67.
City	46 193	" 23	Greenthal, Samuel, vs. John Cooper, name of "John" being fictitious, true christian name being unknown	Summons only served.

SCHEDULE "B."

JUDGMENTS, ORDERS AND DECREES ENTERED.

In the matter of George Elliott, as substituted trustee (One Hundred and Sixty-sixth street opening award)—Order entered confirming the Referee's report and directing payment of the award to the petitioner.

Michael Regan—Judgment entered in favor of the plaintiff for \$23,413.22, upon payment of which the plaintiff to execute a deed to the City, etc.

Marie Helena Adelman, executrix (No. 1); Maria Helena Adelman, executrix (No. 2); Louis G. Adelman, as administrator—Orders entered dismissing the complaints without costs.

Jacob Ashauer; Bernard Rourke; John C. Peterson; Charles Hoffman—Judgments entered in favor of the plaintiffs for \$200.

Sarah Levy—Amended decree entered nunc pro tunc as of June 1, 1894, in favor of the plaintiff for \$7,871.20, upon the payment of which the Mayor, etc., to be forever discharged from further liability to the plaintiff or her heirs.

In the matter of the petition of Newman Cowen (Cathedral Parkway opening award)—Order of reference entered to William T. Gray, esq.

People ex rel. Solomon Sayles vs. Frank T. Fitzgerald, Register, etc.—Judgment of affirmance entered on remittitur entered in favor of the City and for \$126.02 costs and disbursements.

In the matter of Thomas Corner (Corlears Hook Park opening award)—Order entered directing payment of the award into court, etc.

Levi P. Morton—Judgment entered in favor of the plaintiff for \$21,538.37, upon payment of which the City to have the right to forever operate a pumping station without further liability.

The Mayor, etc., vs. The Manhattan Railway Company—Order entered vacating the injunction of February 13, 1894.

Virgilio del Genovese—Judgment entered in favor of the plaintiff for \$1,589.03.

Hewlett Scudder, trustee, etc.—General Term order of affirmance entered in favor of the City; General Term judgment of affirmance entered in favor of the City and for \$66.57 costs and disbursements.

Hugh Colwell—Order entered discontinuing the action without costs.

SCHEDULE "C."

SUITS AND SPECIAL PROCEEDINGS TRIED AND ARGUED.

In the matter of Thomas Corner (Corlears Hook Park opening award)—Motion for payment of the award into court and for a reference made before Ingraham, J.; motion granted; C. A. O'Neil for the City.

In the matter of Newman Cowen (Cathedral parkway opening award)—Motion for payment of the award into court and for a reference made before Ingraham, J.; motion granted; C. A. O'Neil for the City.

Bouker Contracting Company—Demurrer argued before O'Brien, J.; decision reserved; E. H. Hawke, Jr., for the City.

John W. Brown vs. John F. Harriot—Motion for interpleader made before Steiner, J.; motion granted; T. Farley for the City.

In the matter of the Fort Washington Ridge road—Hearing before the commissioners appointed by the Mayor proceeded and adjourned subject to the call of the Chairman; G. L. Sterling and J. T. Malone for the City.

In the matter of the Fort Washington Ridge road—Hearing before the commissioners appointed by the court proceeded and adjourned June 25, 1894; J. T. Malone for the City.

In the matter of the Speedway—Hearing proceeded on June 18 and 20 and adjourned to the 25th; E. H. Hawke, Jr., for the City.

In the matter of the estate of Annie O'Brien or Larkin, deceased—Reference proceeded and adjourned to June 22, 1894; C. A. O'Neil for the City.

Before the commissioners appointed pursuant to chapter 537 of the Laws of 1894—Hearing proceeded on June 18, 19 and 22, and adjourned to June 25, 1894; J. M. Ward for the City.

People ex rel. William G. Lyons vs. The Board of Police Commissioners—Argued at Court of Appeals; decision reserved; D. J. Dean for the City.

People ex rel. John A. Roosevelt vs. The Commissioners of Taxes and Assessments—Argued at Court of Appeals; decision reserved; D. J. Dean for the City.

In the matter of the Ridge street police site—Hearing before the commissioners proceeded on June 19 and 21 and adjourned to June 29, 1894; C. D. Olendorf and G. Landon for the City.

In the matter of Benjamin A. Aycrugg et al., executors (Corlears Hook Park opening award)—Motion for an order of reference made before Ingraham, J.; motion granted; C. A. O'Neil for the City.

The Mayor, etc., vs. The Manhattan Railway Company—Motion to vacate the injunction argued before Ingraham, J.; motion granted; T. Connolly for the City.

Virgilio Del Genovese—Tried before Lawrence, J., and a jury; verdict directed for the plaintiff for \$1,432.21; E. H. Hawke, Jr., for the City.

People ex rel. Charles V. Hough vs. The Board of Estimate and Apportionment—Motion for a writ of mandamus argued before Ingraham, J.; motion granted; D. J. Dean for the City.

Teresa Boas—Submitted to O'Brien, J., at Special Term; decision reserved; G. L. Sterling for the City.

In the matter of the charges against Police Captain James K. Price—Trial concluded; decision reserved; C. Blandy for the City.

WM. H. CLARK, Counsel to the Corporation.

EXECUTIVE DEPARTMENT.

CITY OF NEW YORK,
OFFICE OF THE MAYOR,
July 6, 1894.

To the Supervisor of the City Record, New York:

DEAR SIR—I have the honor, by direction of the Mayor, to notify you of the appointment made by him in pursuance of chapter 410 of the Laws of 1882, and required for publication in the CITY RECORD, in compliance with section 51 of the New York City Consolidation Act of 1882, viz.:

Henry McLaughlin, as a Marshal for the City and County of New York, to succeed John Salmon, resigned.

Respectfully,
WILLIS HOLLY, 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, 10 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M.
THOMAS F. GILROY, Mayor. WILLIS HOLLY, Secretary and Chief Clerk.

Mayor's Marshal's Office.

No. 1 City Hall, 9 A. M. to 4 P. M.
DANIEL ENGELHARD, First Marshal.
DANIEL M. DONEGAN, Second Marshal.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115, Stewart Building, 9 A. M. to 4 P. M.
CHARLES G. F. WAHLE and EDWARD OWEN.

AQUEDUCT COMMISSIONERS.

Room 209, Stewart Building, 5th floor, 9 A. M. to 4 P. M.
JAMES C. DUANE, President; JOHN J. TUCKER, FRANCIS M. SCOTT, H. W. CANNON, and THE MAYOR, COMPTROLLER and COMMISSIONER OF PUBLIC WORKS, *ex officio*, Commissioners; EDWARD L. ALLEN, Secretary; A. FIELEY, Chief Engineer.

BOARD OF ARMY COMMISSIONERS.

THE MAYOR, Chairman; PRESIDENT OF DEPARTMENT OF TAXES AND ASSESSMENTS, Secretary.
Address EDWARD P. BARKER, Stewart Building.
Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

COMMON COUNCIL.

Office of Clerk of Common Council.
No. 8 City Hall, 9 A. M. to 4 P. M.
GEORGE B. MCCLELLAN, President; Board of Aldermen.
MICHAEL F. BLAKE, Clerk Common Council.

DEPARTMENT OF BUILDINGS.

No. 220 Fourth avenue, corner of Eighteenth street
A. M. to 4 P. M.
THOMAS J. BLADY, Superintendent.

DEPARTMENT OF PUBLIC WORKS.

No. 31 Chambers street, 9 A. M. to 4 P. M.
MICHAEL T. DALY, Commissioner; MAURICE F. HOLAHAN, Deputy Commissioner (Room A).
ROBERT H. CLIFFORD, Chief Clerk (Room 6).
GEORGE W. BIRDSALL, Chief Engineer (Room 9); JOSEPH RILEY, Water Register (Rooms 2, 3 and 4); WM. M. DEAN, Superintendent of Street Improvements (Room 5); HORACE LOOMIS, Engineer in Charge of Sewers (Room 9); WILLIAM G. BERGEN, Superintendent of Repairs and Supplies (Room 15); MAURICE FEATHERSON, Water Purveyor (Room 1); STEPHEN MCCORMICK, Superintendent of Lamps and Gas (Room 11); JOHN L. FLORENCE, Superintendent of Streets and Roads (Room 12); MICHAEL F. CUMMINGS, Superintendent of Incumbances (Room 16); NICHOLAS R. O'CONNOR, Superintendent of Street Openings (Room 14).

DEPARTMENT OF STREET IMPROVEMENTS.

TWENTY-THIRD AND TWENTY-FOURTH WARDS.
No. 2622 Third avenue, northeast corner of One Hundred and Forty-first street. Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.
LOUIS F. HAFEN, Commissioner; JACOB SEABOLD, Deputy Commissioner; JOSEPH P. HENNESSY, Secretary.

FINANCE DEPARTMENT.

Comptroller's Office.

No. 15 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
ASHBEL P. FITCH, Comptroller; RICHARD A. STORRS, Deputy Comptroller; EDGAR J. LEVEY, Assistant Deputy Comptroller.

Auditing Bureau.

Nos. 19, 21 and 23 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
WILLIAM J. LYON, First Auditor.
JOHN F. GOULDSBURY, Second Auditor.

Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents.

Nos. 31, 33, 35, 37 and 39 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
EDWARD GILON, Collector of Assessments and Clerk of Arrears.
No money received after 2 P. M.

Bureau for the Collection of City Revenue and of Markets.

Nos. 1 and 3 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
DAVID O'BRIEN, Collector of the City Revenue and Superintendent of Markets.
No money received after 2 P. M.

Bureau for the Collection of Taxes.

No. 57 Chambers street and No. 35 Reade street, Stewart Building, 9 A. M. to 4 P. M.
DAVID E. AUSTEN, Receiver of Taxes; JOHN J. McDONOUGH, Deputy Receiver of Taxes.
No money received after 2 P. M.

Bureau of the City Chamberlain.

Nos. 25 and 27 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
JOSEPH J. O'DONOHUE, 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 the Counsel to the Corporation.

Staats Zeitung Building, third and fourth floors, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.
WILLIAM H. CLARK, Counsel to the Corporation.
ANDREW T. CAMPBELL, Chief Clerk.

Office of the Public Administrator.

No. 49 Beekman street, 9 A. M. to 4 P. M.
WILLIAM M. HOES, Public Administrator.

Office of the Corporation Attorney.

No. 49 Beekman street, 9 A. M. to 4 P. M.
LOUIS HANNEMAN, Corporation Attorney.

Office of Attorney for Collection of Arrears of Personal Taxes.

Stewart Building, Broadway and Chambers street, 9 A. M. to 4 P. M.
JOHN G. H. MEYERS, Attorney.
MICHAEL J. DOUGHERTY, Clerk.

POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.
JAMES J. MARTIN, President; CHARLES H. MURRAY, JOHN McCLEAVE and JOHN C. SHEEHAN, Commissioners; WILLIAM H. KIPP, Chief Clerk; T. F. RODENBOUGH, Chief of Bureau of Elections.

DEPARTMENT OF CHARITIES AND CORRECTION.

Central Office.

No. 66 Third avenue, corner Eleventh street, 9 A. M. to 4 P. M.
HENRY H. PORTER, President; CHAS. E. SIMMONS, M. D., and EDWARD C. SHEEHY, Commissioners; GEORGE F. BRITTON, Secretary.
Purchasing Agent, FREDERICK A. CUSHMAN. Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.
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. CHARLES BENN, General Bookkeeper.
Out-Door Poor Department. Office hours, 8:30 A. M. to 4:30 P. M. WILLIAM BLAKE, Superintendent. Entrance on Eleventh street.

FIRE DEPARTMENT.

Office hours for all, except where otherwise noted, from 9 A. M. to 4 P. M.; Saturdays, 12 M.

Headquarters.

Nos. 157 and 159 East Sixty-seventh street.
JOHN J. SCANNELL, President; ANTHONY EICKHOFF and S. HOWLAND ROBBINS, Commissioners; CARL JUSSEN, Secretary.
HUGH BONNER, Chief of Department; PETER SEERY, Inspector of Combustibles; JAMES MITCHELL, Fire Marshal; WM. L. FINDLEY, Attorney to Department; J. ELLIOT SMITH, Superintendent of Fire Alarm Telegraph. Central Office open at all hours.

HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.
CHARLES G. WILSON, President, and CYRUS EDSON, M. D., the President of the Police Board, *ex officio*, and the HEALTH OFFICER OF THE PORT, *ex officio*, Commissioners; EDMONDS CLARK, Secretary.

DEPARTMENT OF PUBLIC PARKS.

Emigrant Industrial Savings Bank Building, Nos. 49 and 51 Chambers street, 9 A. M. to 4 P. M.; Saturdays, 12 M.
GEORGE C. CLAUSEN, President; ABRAHAM B. TAPPEN, NATHAN STRAUS and EDWARD BELL, Commissioners; CHARLES DE F. BURNS, Secretary.

DEPARTMENT OF DOCKS.

Battery, Pier A, North river.
J. SERGEANT CRAM, President; JAMES J. PHELAN and ANDREW J. WHITE, Commissioners; AUGUSTUS T. DOCHARTY, Secretary.
Office hours, 9 A. M. to 4 P. M.

BOARD OF EDUCATION.

No. 146 Grand street, corner of Elm street.
CHARLES H. KNOX, President; ARTHUR McMULLIN, Clerk.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Stewart Building, 9 A. M. to 4 P. M.; Saturdays, 12 M.
EDWARD P. BARKER, President; JOHN WHALEN and JOSEPH BLUMENTHAL, Commissioners; FLOYD T. SMITH, Secretary.

DEPARTMENT OF STREET CLEANING.

Criminal Court Building, Centre street, from Franklin to White street. Office hours, 9 A. M. to 4 P. M.
WILLIAM S. ANDREWS, Commissioner; JOHN J. RYAN, Deputy Commissioner; J. JOSEPH SCULLY, Chief Clerk.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

Criminal Court Building, Centre street, between Franklin and White streets, 9 A. M. to 4 P. M.
DANIEL P. HAYS, Chairman; LEMUEL SKIDMORE and LEE PHILLIPS, *ex officio*, Members of the Supervisory Board; LEE PHILLIPS, Secretary and Executive Officer; JOHN FOORD, Examiner.

BOARD OF ESTIMATE AND APPORTIONMENT.

THE MAYOR, Chairman; E. P. BARKER (President, Department of Taxes and Assessments), Secretary; the COMPTROLLER, PRESIDENT OF THE BOARD OF ALDERMEN, and the COUNSEL TO THE CORPORATION, Members; CHARLES V. ADEE, Clerk.
Office of Clerk, Department of Taxes and Assessments, Stewart Building.

BOARD OF ASSESSORS.

Office, 27 Chambers street, 9 A. M. to 4 P. M.
CHARLES E. WENDT, Chairman; EDWARD CAHILL, PATRICK M. HAVERTY and HENRY A. GUMBLETON, Assessors; WM. H. JASPER, Secretary.

BOARD OF EXCISE.

Criminal Court Building, Centre street, between Franklin and White streets, 9 A. M. to 4 P. M.
WILLIAM DALTON, President; LEICESTER HOLME and MICHAEL C. MURPHY, Commissioners; JAMES F. BISHOP, Secretary.

SHERIFF'S OFFICE.

Nos. 6 and 7 New County Court-house, 9 A. M. to 4 P. M.
JOHN B. SEXTON, Sheriff; WM. H. McDONOUGH, Under Sheriff.

REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.
FERDINAND LEVY, Register; JOHN VON GLAHN, Deputy Register.

COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
ROBERT B. NOONEY, Commissioner; JAMES E. CONNER, Deputy Commissioner.

COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.
HENRY D. PURROY, County Clerk; P. J. SCULLY, Deputy County Clerk.

DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.
JOHN R. FELLOWS, District Attorney; EDWARD T. FLYNN, Chief Clerk.

THE CITY RECORD OFFICE.

And Bureau of Printing, Stationery and Blank Books
No. 2 City Hall, 9 A. M. to 5 P. M., except Saturdays on which days 9 A. M. to 12 M.
W. J. K. KENNY, Supervisor; EDWARD H. HAYES, Assistant Supervisor; JOHN J. McGRATH, Examiner.

SUPREME COURT.

Second floor, New County Court-house, opens 10:30 A. M.; adjourns 4 P. M.
CHARLES H. VAN BRUNT, Presiding Justice; GEORGE L. INGRAHAM, ABRAHAM R. LAWRENCE, GEORGE C. BARRETT, GEORGE P. ANDREWS, EDWARD PATTERSON and MORGAN J. O'BRIEN, Justices; HENRY D. PURROY, Clerk.
General Term, Room No. 9, WILLIAM LAMB, Jr., Clerk.
Special Term, Part I., Room No. 10, Clerk.
Special Term, Part II., Room No. 18, WILLIAM J. HILL, Clerk.
Chambers, Room No. 11, AMBROSE A. MCCALL, Clerk.
Circuit, Part I., Room No. 12, WALTER A. BRADY, Clerk.
Circuit, Part II., Room No. 14, JOHN LERSCHER, Clerk.
Circuit, Part III., Room No. 13, GEORGE F. LYON, Clerk.
Circuit, Part IV., Room No. 15, J. LEWIS LYON, Clerk.

SUPERIOR COURT.

Third floor, New County Court-house, opens 11 A. M.; adjourns 4 P. M.
General Term, Room No. 35.
Special Term, Room No. 33.
Equity Term, Room No. 36.
Chambers, Room No. 33.
Part I., Room No. 34.
Part II., Room No. 35.
Part III., Room No. 36.
Naturalization Bureau, Room No. 31.
Clerk's Office, Room No. 31, 9 A. M. to 4 P. M.
JOHN SEDGWICK, Chief Judge; JOHN J. FREEDMAN, CHARLES H. TRUAX, P. HENRY DUGRO, DAVID McADAM and HENRY A. GILDERSLEEVE, Judges; THOMAS BOESE, Chief Clerk.

CORONERS' OFFICE.

New Criminal Court Building, Centre street, 8 A. M. to 5 P. M. Sundays and holidays, 8 A. M. to 12:30 P. M.
LOUIS W. SCHULTZ, JOHN B. SHEA, EDWARD T. FITZPATRICK and WILLIAM H. DOBBS, Coroners.
EDWARD F. REYNOLDS, Clerk of the Board of Coroners.

CITY COURT.

City Hall.
General Term, Room No. 20.
Trial Term, Part I., Room No. 20.
Part II., Room No. 21.
Part III., Room No. 15.
Part IV., Room No. 11.
Special Term Chambers will be held in Room No. 19, 10 A. M. to 4 P. M.
Clerk's Office, Room No. 10, City Hall, 9 A. M. to 4 P. M.
SIMON M. EHRLICH, Chief Justice; ROBERT A. VAN WYCK, JAMES M. FITZSIMONS, JOSEPH E. NEWBURGER, JOHN H. MCCARTHY and LEWIS J. CONLAN, Justices; JOHN B. MCGOLDRICK, Clerk.

COURT OF COMMON PLEAS.

Third floor, New County Court-house, 9 A. M. to 4 P. M.
Assignment Bureau, Room No. 23, 9 A. M. to 4 P. M.
Clerk's Office, Room No. 21, 9 A. M. to 4 P. M.
General Term, Room No. 24, 11 o'clock A. M. to adjournment.
Special Term, Room No. 22, 11 o'clock A. M. to adjournment.
Chambers, Room No. 22, 10:30 o'clock A. M. to adjournment.
Part I., Room No. 26, 11 o'clock A. M. to adjournment.
Part II., Room No. 24, 11 o'clock A. M. to adjournment.
Equity Term, Room No. 25, 11 o'clock A. M. to adjournment.
Naturalization Bureau, Room No. 23, 9 A. M. to 4 P. M.
JOSEPH F. DALY, Chief Judge; MILES BEACH, HENRY BOOKSTAYER, HENRY BISCHOFF, JR., ROGER A. PRYOR and LEONARD A. GIEGERICH, Judges; ALFRED WAGSTAFF, Chief Clerk.

SURROGATE'S COURT.

New County Court-house. Court opens at 10:30 A. M. adjourns 4 P. M.
FRANK T. FITZGERALD and JOHN H. V. ARNOLD, Surrogates; WILLIAM V. LEARY, Chief Clerk.

POLICE COURTS.

Judges—SOLON B. SMITH, CHARLES WELDE, DANIEL F. McMAHON, EDWARD HOGAN, CHARLES N. TAINOR, CLARENCE W. MEADE, PATRICK DIVVER, THOMAS F. GRADY, JOHN R. VOORHIS, WILLIAM H. BURKE, CHARLES E. SIMMS, JR., JOSEPH KOCH, BERNARD F. MARTIN, JOHN J. RYAN and THOMAS L. FEITNER.
JAMES McCABE, Secretary.
Office of Secretary, Fifth District Police Court, One Hundred and Twenty-fifth street, near Fourth avenue.
First District—Tomb, Centre street.
Second District—Jefferson Market.
Third District—No. 69 Essex street.
Fourth District—Fifty-seventh street, near Lexington avenue.
Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place.
Sixth District—One Hundred and Fifty-eighth street and Third avenue.

CORPORATION NOTICE.

PUBLIC NOTICE IS HEREBY GIVEN TO THE owner or owners, occupant or occupants, of all houses and lots, improved or unimproved lands affected thereby, that the following assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

List 4223, No. 1. Regulating and grading, setting curbs-stones, flagging the sidewalks and laying crosswalks in One Hundred and Sixty-third street, between Brook and Third avenues.
List 4436, No. 2. Regulating, grading, setting curbs-stones and flagging Chisholm street, from Jennings street to Stebbins avenue.
List 4497, No. 3. Regulating, grading, setting curbs-stones, flagging the sidewalks and laying crosswalks in One Hundred and Forty-sixth street, from Third avenue to Railroad avenue, East.
List 4499, No. 4. Regulating, grading, setting curbs-stones, flagging the sidewalks and laying crosswalks in John street, from St. Ann's avenue to Brook avenue.
The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—
No. 1. Both sides of One Hundred and Sixty-third street, from Brook to Third avenue, and to the extent of half the block at the intersecting avenues.

No. 2. Both sides of Chisholm street, from Jennings street to Stebbins avenue, and to the extent of half the block at the intersecting avenues.

No. 3. Both sides of One Hundred and Forty-sixth street, from Third avenue to Railroad avenue, East, and to the extent of half the block at the intersecting avenues.

No. 4. Both sides of John street, from St. Ann's avenue to Brook avenue, and to the extent of half the block at the intersecting avenues.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Chairman of the Board of Assessors, at their office, No. 27 Chambers street, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation on the 7th day of August, 1894.

CHARLES E. WENDT, Chairman,
PATRICK M. HAVERTY,
EDWARD CAHILL,
HENRY A. GUMBLETON,
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,
No. 27 CHAMBERS STREET,
NEW YORK, July 6, 1894.

PUBLIC NOTICE IS HEREBY GIVEN TO THE owner or owners, occupant or occupants of all houses and lots, improved or unimproved lands affected thereby, that the following assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

List 4429, No. 1. Regulating, grading, setting curbs-stones, flagging and laying crosswalks in One Hundred and Seventy-second street, from Third avenue to Vanderbilt avenue, East.
List 4578, No. 2. Alteration and improvement to receiving-basin on the northwest corner of Seventy-ninth street and Avenue B.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of One Hundred and Seventy-second street, from Third avenue to Vanderbilt avenue, East, and to the extent of half the block at the intersecting avenues.

No. 2. Block bounded by Seventy-ninth and Eightieth streets, Avenue A and Avenue B.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Chairman of the Board of Assessors, at their office, No. 27 Chambers street, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation on the 28th day of July, 1894.

CHARLES E. WENDT, Chairman,
PATRICK M. HAVERTY,
EDWARD CAHILL,
HENRY A. GUMBLETON,
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,
No. 27 CHAMBERS STREET,
NEW YORK, June 27, 1894.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARDS,
NEW CRIMINAL COURT BUILDING,
FRANKLIN AND CENTRE STREETS,
NEW YORK, July 3, 1894.

PUBLIC NOTICE IS HEREBY GIVEN THAT open competitive examinations, for the positions below mentioned, will be held at this office on the dates specified.

July 10. INSPECTOR in the office of the Mayor's Marshal.
July 11. ASSISTANT CHEMIST AND MILK INSPECTOR, Board of Health.
LEE PHILLIPS,
Secretary and Executive Officer.

DEPARTMENT OF TAXES AND ASSESSMENTS.

DEPARTMENT OF TAXES AND ASSESSMENTS,
COMMISSIONERS' OFFICE,
NEW YORK, July 2, 1894.

PUBLIC NOTICE IS HEREBY GIVEN BY THE Commissioners of Taxes and Assessments that the assessment rolls of real and personal estate in said city, for the year 1894, have been finally completed, and have been delivered to the Board of Aldermen of said city, and that such assessment rolls will remain open to public inspection, in the office of the Clerk of said Board of Aldermen, for a period of fifteen days from the date of this notice.

EDWARD P. BARKER,
JOHN WHALEN,
JOSEPH BLUMENTHAL,
Commissioners of Taxes and Assessments.

THE COLLEGE OF THE CITY OF NEW YORK.

AT THE REQUEST OF THE EXECUTIVE Committee, a Special Meeting of the Board of Trustees of the College of the City of New York is hereby called at the Hall of the Board of Education, No. 146 Grand street, on Wednesday, July 11, 1894, at 3:30 o'clock P. M., for the purpose of considering the filling of a vacancy in the Department of English Language and Literature.

By order,
CHARLES H. KNOX,
Chairman, Board of Trustees.
ARTHUR McMULLIN, Secretary.
Dated New York, July 3, 1894.

POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,
PROPERTY CLERK'S OFFICE, Room 9,
No. 300 MULBERRY STREET,
NEW YORK, June 26, 1894.

TWENTY-EIGHTH AUCTION SALE OF POLICE and unclaimed property, at Police Headquarters, on Wednesday, July 11, 1894, at 11 o'clock A. M., Van Tassel & Kearney, Auctioneers, of the following property:

Lead, Iron, Brass, Buttons, Platform Scale, Bedstead, Water Coolers, Hanging Lamps, Wooden Chairs, Lounges, Desks, Bath-tubs, Book-case, Doors, Sash, Wardrobes, lot Iron Bedsteads and a lot of miscellaneous property.

For particulars see catalogues on day of sale.
JNO. F. HARRIOT,
Property Clerk.

POLICE DEPARTMENT—CITY OF NEW YORK,
OFFICE OF THE PROPERTY CLERK (Room No. 9),
No. 300 MULBERRY STREET,
NEW YORK, 1893.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of the City of New York, No. 300 Mulberry street, Room No. 9, for the following property, now in his custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc., also small amount money taken from prisoners and found by patrolmen of this Department.
JOHN F. HARRIOT,
Property Clerk.

DEPARTMENT OF DOCKS.

(Work of Construction under New Plan.)

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

TO CONTRACTORS.

(No. 476.)

PROPOSALS FOR ESTIMATES FOR PREPARING FOR AND PAVING THE NEWLY-MADE LAND IN THE VICINITY OF PIERS, NEW 27, 28 AND 29, NORTH RIVER, WITH GRANITE OR STATEN ISLAND SYENITE BLOCKS, LAYING CROSSWALKS AND BUILDING THE NECESSARY DRAINS OR SEWERS AND APPURTENANCES.

ESTIMATES FOR PREPARING FOR AND PAVING THE ABOVE-DESCRIBED AREA WITH GRANITE OR STATEN ISLAND SYENITE BLOCKS, LAYING CROSSWALKS AND BUILDING THE NECESSARY DRAINS OR SEWERS AND APPURTENANCES, will be received by the Board of Commissioners at the head of the Department of Docks, 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. of

TUESDAY, JULY 17, 1894,

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 quantities and extent of the work is as follows:

- 100 cubic yards of earth, etc., to be removed.
 - 362 cubic yards of clean sand to be laid.
 - 290 cubic yards of gravel for joints.
 - 4,230 square yards of paving to be laid, with cement joints.
 - 742 square feet of crosswalks to be laid, with cement joints.
 - 16,920 gallons of paving cement.
 - 250 cubic feet of brickwork.
 - 35 square feet of blue stone, 3 inches thick.
 - 9 cubic feet of concrete to be laid.
 - 134 linear feet of 6-inch cast-iron pipe to be laid.
 - 3,050 pounds of cast-iron for heads and covers of manholes (5).
 - 3,218 feet, B. M., yellow pine timber.
 - 1,450 pounds of 7-inch and 10-inch dock-spikes.
 - 8,400 pounds of cast-iron for silt-basins (7).
- The Portland cement for the above-mentioned concrete will be furnished and delivered to the contractor free of charge.

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:

1st. 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.

2d. Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, 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 prices 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 contract, and all the work to be done under the contract is to be fully completed within sixty days from the date of the execution of the contract, and the damages to be paid by the contractor for each day that the contract, or any part thereof, 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 the old material to be removed under this contract by the contractor will be relinquished to the contractor, and bidders must estimate the value of such material when considering the price for which they will do the work under the contract.

All surplus material excavated will be removed by the contractor.

Where the City of New York owns the wharf, pier or bulkhead, and the same is not leased, at which materials under this contract are to be delivered, 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 connection with any other person making an estimate for the same work, and that it is in all respects fair and without collusion or fraud; and also that no member of the Common Council, 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; 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.*

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 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.

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.

J. SERGEANT CRAM,
JAMES J. PHELAN,
ANDREW J. WHITE,
Commissioners of the Department of Docks,
Dated NEW YORK, June 7, 1894.

(Work of Construction under New Plan.)

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

TO CONTRACTORS.

(No. 475.)

PROPOSALS FOR ESTIMATES FOR FURNISHING AND PUTTING IN PLACE SMALL COBBLE AND RIP-RAP STONES, AND FOR FURNISHING AND DELIVERING SAND AND BROKEN STONE.

ESTIMATES FOR FURNISHING AND PUTTING IN PLACE SMALL COBBLE AND RIP-RAP STONES, and for furnishing and delivering Sand and Broken Stone, will be received by the Board of Commissioners at the head of the Department of Docks, 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. of

TUESDAY, JULY 17, 1894,

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

- Two Thousand Eight Hundred Dollars for Class I.
- Four Thousand Six Hundred Dollars for Class II.
- Four Hundred and Fifty Dollars for Class III.
- Two Thousand Seven Hundred Dollars for Class IV.

In case an estimate is made for more than one class, each bondsman must justify in an amount equal to the aggregate amount required for the several classes for which estimates are made.

The Engineer's estimate of the quantities is as follows:

Small Cobble and Rip-rap Stone for Bulkhead or River Wall and Rip-rap Stone for Piers, to be deposited in place by Contractor.

- Class I—About 7,000 cubic yards of Small Cobble-stone.
- Class II—About 23,000 cubic yards of Rip-rap Stone.

Sand and Broken Stone.

- Class III—About 1,500 cubic yards of Sand.
 - Class IV—About 4,500 cubic yards of Broken Stone.
- Estimates may be made for one or more of the above four classes.

Where the City of New York owns the wharf, pier or bulkhead at which the materials under this contract are to be delivered, no charge will be made to the contractor for wharfage upon vessels conveying said materials.

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received: 1st. Bidders must satisfy themselves, by personal examination of the locations of the proposed deliveries of the material, 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.

2d. Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, and in substantial accordance with the specifications of the contract. 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 materials are to be delivered south of Sixtieth street, North river, or south of One Hundred and Twenty-fifth street, Harlem river, from time to time, and in such quantities and at such times as may be directed by the Engineer, and all the work under this contract is to be fully completed on or before the 1st day of January, 1895, at which time this contract will cease and terminate.

The right is reserved by the Department of Docks to increase or diminish the estimated quantities of material called for by this contract by an amount not exceeding twenty per cent. of the estimated quantities; and the bidder will agree that he will not ask or demand,

sue for nor recover any extra compensation for damage or loss of anticipated profits, beyond the amount payable for the several classes of work in this contract enumerated, which shall be actually supplied at the prices therefor agreed upon.

The damages to be paid by the contractor for each day that the contract, or any part thereof, or of any delivery that may be ordered or directed by the Engineer, may be unfulfilled after the respective times fixed for the fulfillment thereof have expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their proposals a price, per cubic yard, for each of the above classes of material, in conformity with the approved form of agreement and the specifications therein set forth, by which 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 receiving of the material by the Department of Docks.

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

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 connection with any other person making an estimate for the same work, and that it is in all respects fair, and without collusion or fraud; and also that no member of the Common Council, 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; 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.*

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 material to be delivered, 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.

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.

J. SERGEANT CRAM,
JAMES J. PHELAN,
ANDREW J. WHITE,
Commissioners of the Department of Docks,
Dated NEW YORK, June 29, 1894.

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

TO CONTRACTORS.

(No. 477.)

PROPOSALS FOR ESTIMATES FOR DREDGING ON THE EAST AND HARLEM RIVERS.

ESTIMATES FOR DREDGING ON THE EAST and Harlem rivers will be received by the Board of Commissioners at the head of the Department of Docks, 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. of

TUESDAY, JULY 17, 1894,

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 Eight Thousand Dollars.

The Engineer's estimate of the quantities of material necessary to be dredged is as follows:

- Mud dredging, not to exceed,100,000 cubic yards.
- N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

1st. Bidders must satisfy themselves by personal examination of the location of the proposed dredging, 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.

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

The work to be done under this contract is to be commenced within five days after receiving a notification from the Engineer-in-Chief of the Department of Docks that any part or portion of the dredging herein mentioned is required. The dredging to be done under this contract will be in slips or portions of slips between the Battery and East One Hundred and Twenty-fifth street, on the East and Harlem rivers, and is to be done from time to time, and in such quantities and at such times as may be directed by the Engineer, and all the work under this contract is to be fully completed on or before the 31st day of December, 1894, at which time this contract will cease and terminate.

The damages to be paid by the contractor for each day that the contract, or any part thereof, that may be ordered or directed by the Engineer, 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.

Bidders will state in their estimates a price per cubic yard, for doing such dredging, 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.

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 connection with any other person making an estimate for the same work, and that it is in all respects fair, and without collusion or fraud; and also that no member of the Common Council, 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; 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.*

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders of 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 the 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.

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.

J. SERGEANT CRAM,
JAMES J. PHELAN,
ANDREW J. WHITE,
Commissioners of the Department of Docks,
Dated NEW YORK, June 14, 1894.

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

TO CONTRACTORS.

(No. 471.)

PROPOSALS FOR ESTIMATES FOR FURNISHING AND DELIVERING ABOUT 1,200 TONS OF ANTHRACITE COAL.

ESTIMATES FOR FURNISHING AND DELIVERING ABOUT 1,200 TONS OF Anthracite Coal will be received by the Board of Commissioners at the head of the Department of Docks, 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. of

TUESDAY, JULY 17, 1894.

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 Two Thousand Dollars.

The Engineer's estimate of the quantity of coal to be furnished and delivered is about 1,200 tons.

It is expected that about 800 tons will be required to be delivered at the West Fifty-seventh Street Yard of the Department of Docks, and that about 400 tons will be required to be delivered at the East Twenty-fourth Street Yard.

Where the City of New York owns the wharf, pier or bulkhead at which materials under this contract are to be delivered, no charge will be made to the contractor for wharfage upon vessels conveying said materials.

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received: 1st. Bidders must satisfy themselves, by personal examination of the location of the proposed delivery of materials, 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.

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

A ton of coal under these specifications shall be 2,400 pounds avoirdupois.

The work to be done under this contract is to be commenced within ten days from the date of the receipt of an order from the Engineer to begin the delivery of coal, and the delivery will be continued in lots of about 200 tons at such times and places and in such manner as may be directed by the Engineer, and the delivery of said coal will be fully completed on or before the 1st day of January, 1895, 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, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates a price, per ton, for furnishing and delivering coal, 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.

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 re-advertised 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 connection with any other person making an estimate for the same work, and that it is in all respects fair and without collusion or fraud; and also, that no member of the Common Council, 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; 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.

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 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 the security required for the faithful performance of the contract. Such check or money must not be inclosed 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.

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.

J. SERGEANT CRAM,
JAMES J. PHELAN,
ANDREW J. WHITE,

Commissioners of the Department of Docks.

Dated New York, May 3, 1894.

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, NO. 31 CHAMBERS STREET,
NEW YORK, June 28, 1894.

NOTICE OF SALE AT PUBLIC AUCTION.

ON FRIDAY, JULY 13, 1894, at 11.30 A. M., AT the junction of Broome and Mercer streets, the Department of Public Works will sell at Public Auction by Mr. Peter F. Meyer, Auctioneer, all the old paving-blocks now in the pavement on Broome street, between Broadway and Hudson street (about 284,000 blocks).

The conditions of the sale are that the paving-blocks shall be delivered to the purchaser by the contractor at such places on or near the line of Broome street as the Water Purveyor shall designate, and that the purchaser shall remove the blocks as fast as delivered—that payment shall be made in full in bankable funds at the time and place of sale.

If purchaser shall fail to comply with the above conditions, he shall forfeit all moneys paid by him, and the Department will proceed to re-advertise and resell the paving-blocks not removed.

MICHAEL T. DALY,

Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM 6, NO. 31 CHAMBERS STREET,
NEW YORK, June 12, 1894.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A sealed envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until 12 o'clock M., on Tuesday, July 10, 1894, at which place and hour they will be publicly opened by the head of the Department:

No. 1. FOR ALTERATIONS TO THE ARCH CONVEYING THE CROTON AQUEDUCT ACROSS NEPPERHAN AVENUE, IN THE CITY OF YONKERS.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must 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, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be 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 the security required for the faithful performance of the contract. Such check or money must not be inclosed 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 the deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Room 10, No. 31 Chambers street.

MICHAEL T. DALY,

Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM 6, NO. 31 CHAMBERS STREET,
NEW YORK, June 26, 1894.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A sealed envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until 12 o'clock M., on Tuesday, July 10, 1894, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR SEWER IN ONE HUNDRED AND SEVENTEENTH STREET, between Amsterdam avenue and Morningside avenue, West.

No. 2. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE CARRIAGEWAY OF ONE HUNDRED AND SEVENTH STREET, from Amsterdam avenue to the Boulevard.

No. 3. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT ON THE PRESENT STONE-BLOCK PAVEMENT, THE CARRIAGEWAY OF FORTIETH STREET, from Sixth to Eighth avenue, and Sixty-third street, from Third to Lexington avenue.

No. 4. FOR FURNISHING, DELIVERING AND ERECTING TANK AND STAND-PIPE IN HIGH SERVICE WORKS AT NEW AQUEDUCT, between Tenth avenue and Harlem river.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must 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, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be 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 the security required for the faithful performance of the contract. Such check or money must not be inclosed 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 the deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Rooms 1, 9 and 10, No. 31 Chambers street.

MICHAEL T. DALY,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
NO. 31 CHAMBERS STREET,
NEW YORK, April 26, 1894.

CROTON WATER RATES.

NOTICE IS HEREBY GIVEN TO HOUSE owners and consumers of water from the City's water supply, that the books for the annual water rates for the year beginning May 1, 1894, are now open, and that said rates are payable in advance, beginning on the 1st of May, and that a penalty of five per cent. will be added to all rates remaining unpaid on the 1st of August, 1894, and a further penalty of ten per cent. on all rates remaining unpaid on the 1st of November, 1894.

MICHAEL T. DALY,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
NO. 31 CHAMBERS STREET,
NEW YORK.

TO OWNERS OF LANDS ORIGINALLY ACQUIRED BY WATER GRANTS

ATTENTION IS CALLED TO THE RECENT act of the Legislature (chapter 449, Laws of 1889), which provides that whenever any streets or avenues in the city, described in any grant of land under water, from the Mayor, Aldermen and Commonalty containing covenants requiring the grantees and their successors to pave, repave, keep in repair or maintain such streets shall be in need of repairs, pavement or repavement, the Common Council may, by ordinance, require the same to be paved, repaved or repaired, and the expense thereof to be assessed on the property benefited; and whenever the owner of a lot so assessed shall have paid the assessment levied for such paving, repaving or repairing, such payment shall release and discharge such owner from any and every covenant and obligation as to paving, repaving and repairing, contained in the water grant under which the premises are held, and no further assessment shall be imposed on such lot for paving, repaving or repairing such street or avenue, unless it shall be petitioned for by a majority of the owners of the property (who shall also be the owners of a majority of the property in frontage) on the line of the proposed improvement.

The act further provides that the owner of any such lot may notify the Commissioner of Public Works, in writing, specifying the ward number and street number of the lot that he desires, for himself, his heirs and assigns, to be released from the obligation of such covenants, and elects and agrees that said lot shall be thereupon liable to be assessed as above provided, and thereupon the owner of such lot, his heirs and assigns shall thereupon be relieved from any obligation to pave, repair, uphold or maintain said street, and the lot in respect of which such notice was given shall be liable to assessment accordingly.

The Commissioner of Public Works desires to give the following explanation of the operation of this act: When notice, as above described, is given to the Commissioner of Public Works, the owner of the lot or lots therein described, and his heirs and assigns, are forever released from all obligation under the grant in respect to paving, repaving or repairing the street in front of or adjacent to said lot or lots, except one assessment for such paving, repaving or repairs, as the Common Council may, by ordinance, direct to be made thereafter.

No street or avenue within the limits of such grants can be paved, repaved or repaired until said work is authorized by ordinance of the Common Council, and when the owners of such lots desire their streets to be paved, repaved or repaired, they should state their desire and make their application to the Board of Aldermen and not to the Commissioner of Public Works, who has no authority in the matter until directed by ordinance of the Common Council to proceed with the pavement, repavement or repairs.

MICHAEL T. DALY,
Commissioner of Public Works

COMMISSIONER OF STREET IMPROVEMENTS OF THE TWENTY-THIRD AND TWENTY-FOURTH WARDS.

OFFICE OF
COMMISSIONER OF STREET IMPROVEMENTS
OF THE TWENTY-THIRD AND TWENTY-FOURTH WARDS,
NEW YORK, June 30, 1894.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES FOR EACH OF the following-mentioned works, with the title of the work and the name of the bidder indorsed thereon, also the number of the work, as in the advertisement, will be received by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards, at his office, No. 2622 Third avenue, corner of One Hundred and Forty-first street, until 3 o'clock P. M., on Tuesday, July 17, 1894, at which place and hour they will be publicly opened:

No. 1. FOR REGULATING AND PAVING, WITH GRANITE-BLOCK PAVEMENT, THE CARRIAGEWAY OF AND LAYING CROSSWALKS IN EAST ONE HUNDRED AND SIXTY-FIRST STREET, from the easterly crosswalk of Railroad avenue, West, to the westerly crosswalk of Morris avenue.

No. 2. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN WELCH STREET, from the existing sewer under the New York and Harlem Railroad to Third avenue, WITH BRANCHES IN THIRD AVENUE, between One Hundred and Eighty-seventh street and Pelham avenue.

No. 3. FOR CONSTRUCTING SEWER AND APPURTENANCES IN UNION AVENUE, from the end of the existing sewer 240.55 feet north of Kelly street to the north side of One Hundred and Fifty-sixth street.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must 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, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be 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 the security required for the faithful performance of the contract. Such check or money must not be inclosed 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 the deposit will be returned to him.

The Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards reserves the right to reject all bids received for any particular work if he deems it for the best interests of the city.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at this office.

LOUIS F. HAFKEN,
Commissioner of Street Improvements,
Twenty-third and Twenty-fourth Wards.

DEPARTMENT OF PUBLIC PARKS.

DEPARTMENT OF PUBLIC PARKS,
NOS. 49 AND 51 CHAMBERS STREET,
NEW YORK, June 28, 1894.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES FOR EACH OF the following-mentioned works, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received by the Department of Public Parks at its offices, Nos. 49 and 51 Chambers street, until eleven o'clock A. M., on Wednesday, July 11, 1894:

No. 1. FOR FURNISHING MATERIALS AND PERFORMING THE WORK OF CONSTRUCTING THE RAILING, LAMP-POSTS AND LAMPS ON THE JEROME AND OGDEN AVENUE APPROACHES TO THE NEW CENTRAL OR MACOMBS DAM BRIDGE, OVER THE HARLEM RIVER, NOW BEING BUILT.

No. 2. FOR BUILDING TUNNEL AND DRAIN UNDER PUBLIC DRIVEWAY AND ELEVATOR TOWER AND APPURTENANCES WEST OF PUBLIC DRIVEWAY AT HIGH BRIDGE.

No. 3. FOR STEEL AND BRONZE FILTERS FOR THE AQUARIUM IN THE CASTLE GARDEN BUILDING, IN BATTERY PARK.

No. 4. FOR TILING THE FLOOR OF THE AQUARIUM IN THE CASTLE GARDEN BUILDING, IN BATTERY PARK.

No. 5. FOR THE CONSTRUCTION OF ROADWAY, WALKS, BRIDGE, INCLOSING WALL, ETC., FOR ENTRANCE AT NINETEENTH STREET AND CENTRAL PARK, WEST (EIGHTH AVENUE), CENTRAL PARK.

No. 6. FOR THE ERECTION OF TOOL-HOUSE AND SHEDS IN CENTRAL PARK, NEAR TRANSVERSE ROAD No. 2 AND EIGHTH AVENUE.

No. 7. FOR FURNISHING AND DELIVERING MATERIALS FOR SURFACE WALKS, WITH ROCK ASPHALT PAVEMENT WHERE REQUIRED IN CENTRAL PARK.

No. 8. FOR REGULATING, GRADING AND IMPROVING THE EASTERLY PORTION OF THE GROUNDS IN VAN CORTLANDT PARK, NAMED AND DESIGNATED BY SECTION 6, CHAPTER 522 OF THE LAWS OF 1884, AS A MILITARY PARADE, CAMP AND DRILL GROUND.

No. 9. FOR BUILDING A WOMAN'S COTTAGE ON RIVERSIDE PARK AT SEVENTY-NINTH STREET.

No. 10. FOR HARD RUBBER PIPING, FIXTURES, VALVES, ETC., FOR THE AQUARIUM IN CASTLE GARDEN BUILDING IN BATTERY PARK.

Special notice is given that the works must be bid for separately.

The estimates of the work to be done, and by which the bids will be tested, are as follows:

NO. 1, ABOVE MENTIONED.

- 2,763 lineal feet ornamental railing, Jerome avenue approach.
- 601 lineal feet ornamental railing, Ogden avenue approach.
- 335 lineal feet gas-pipe railing, Jerome avenue approach.
- 27 ornamental lamp-posts and lamps, Jerome avenue approach.
- 8 ornamental lamp-posts and lamps, Ogden avenue approach.
- 8 standard city street-lamps and posts, Jerome avenue approach.
- 4 twin lamps and brackets on span over New York Central and Hudson River Railroad.
- 4 special design lamps on One Hundred and Sixty-first street abutment.

The entire work is to be completed within one hundred consecutive working days.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired, are fixed at TEN DOLLARS per day.

The amount of security required is TEN THOUSAND DOLLARS.

NO. 2, ABOVE MENTIONED.

- 800 cubic yards of rock excavated and removed.
- 100 cubic yards of earth excavation.
- 200 lineal feet of twelve-inch cast-iron drain-pipe.
- 150 cubic yards of concrete in foundations.
- 200 cubic yards of cut stone masonry.
- 100 cubic yards of rubble masonry.
- 130 cubic yards of brick masonry.
- All steel work and elevator and appurtenances in place, complete.

The time allowed for the completion of the whole work will be NINETY CONSECUTIVE WORKING DAYS.

The damages to be paid by the Contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are fixed at FIFTY DOLLARS per day.

The amount of security required is SEVEN THOUSAND DOLLARS.

NO. 3, ABOVE MENTIONED.

Bidders are required to state, in writing, and also in figures, in their proposals, ONE PRICE OR SUM for which they will execute the ENTIRE WORK.

The time allowed for the completion of the whole work will be ONE HUNDRED AND THIRTY CONSECUTIVE WORKING DAYS.

The damages to be paid by the Contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are fixed at TEN DOLLARS per day.

The amount of security required is THREE THOUSAND AND FIVE HUNDRED DOLLARS.

NO. 4, ABOVE MENTIONED.

Bidders are required to state in writing, and also in figures, in their proposals ONE PRICE OR SUM for which they will execute the ENTIRE WORK.

The time allowed for the completion of the whole work will be THIRTY-FIVE CONSECUTIVE WORKING DAYS.

The damages to be paid by the contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are fixed at FIFTY DOLLARS per day.

The amount of security required is SIX THOUSAND DOLLARS.

NO. 5, ABOVE MENTIONED.

- 575 cubic yards of excavation of all kinds.
- 350 cubic yards of filling and top soil in place.
- 655 square yards of gravel and trap block pavement, with Telford and macadamized foundation.
- 152 square feet new bridge stone for crosswalks, with Telford and macadamized foundation.
- 110 lineal feet new blue-stone curb, curved on face six inches thick.

- 1 road basin, three feet interior diameter, with cast-iron curb and grating.
- 4 walk basins, two feet six inches interior diameter, with cast-iron curb and grating.
- 1 receiving-basin to be rebuilt.
- 44 lineal feet twelve-inch vitrified stoneware pipe in culverts, to furnish and lay.

- 850 lineal feet eight-inch vitrified stoneware drain-pipe, to furnish and lay.
- 2,400 square feet walk pavement of rock asphalt with concrete base, including rubble-stone foundation.

- 50 cubic yards rubble-stone masonry laid in cement mortar in foundation walls, exclusive of bridge.
- 30 cubic yards of one-faced wall.
- 66 lineal feet of parapet wall, curved, rock-faced, including blue-stone base course and coping.

- 5 blue-stone posts to be furnished and set.
- 2 piers of gneiss built complete.
- Blue-stone platform, steps and coping at entrance.
- 150 lineal feet blue-stone steps for walks.
- 54 lineal feet rustic rock coping.

- 20 cubic yards concrete in place, exclusive of bridge.
- Furnishing material and labor, etc., and constructing fully complete the bridge for carriage-way over walk, including excavation and drainage.

The time allowed for the completion of the whole work will be NINETY CONSECUTIVE WORKING DAYS.

The damages to be paid by the Contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are fixed at FOUR DOLLARS per day.

The amount of security required is SEVEN THOUSAND DOLLARS.

NO. 6, ABOVE MENTIONED.

Bidders are required to state, in writing, and also in figures, in their proposals, ONE PRICE OR SUM for which they will execute the ENTIRE WORK.

The time allowed for the completion of the whole work will be NINETY CONSECUTIVE WORKING DAYS.

The damages to be paid by the Contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are fixed at TEN DOLLARS per day.

The amount of security required is THREE THOUSAND DOLLARS.

NO. 7, ABOVE MENTIONED.

- 1,000 gross tons Asphalt Mastic.
- 100 gross tons Refined Bitumen or Paving Cement.
- 800 gross tons Long Island Gravel or Grit.
- 300 cords Hickory or Oak Wood.

To be delivered in such quantities and at such times and places in Central Park as may be required, all within 60 days.

The amount of security required is TEN THOUSAND DOLLARS.

NO. 8, ABOVE MENTIONED.

- 1,200 cubic yards of earth excavation.
- 67,000 cubic yards of filling and top-soil, to be furnished in place.

4 1/2 acres of ground to be finished and seeded.

The time allowed for the completion of the whole work will be SIXTY CONSECUTIVE WORKING DAYS.

The damages to be paid by the Contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired are fixed at TWENTY DOLLARS per day.

The amount of security required is EIGHTEEN THOUSAND DOLLARS.

NO. 9, ABOVE MENTIONED.

Bidders are required to state, in writing, and also in figures, in their proposals, ONE PRICE OR SUM for which they will execute the ENTIRE WORK.

The time allowed for the completion of the whole work will be ONE HUNDRED CONSECUTIVE WORKING DAYS.

The damages to be paid by the Contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are fixed at TEN DOLLARS per day.

The amount of security required is THIRTY-FIVE HUNDRED DOLLARS.

NO. 10, ABOVE MENTIONED.

Bidders will state one price or sum for which they will execute the entire work.

The time allowed for the completion of the whole work will be FORTY CONSECUTIVE WORKING DAYS, and the penalty for non-completion within the specified time will be fixed at FIFTY DOLLARS per day.

The amount of security required is TWO THOUSAND TWO HUNDRED DOLLARS.

The estimates received will be publicly opened by the head of the said Department at the place and hour last above mentioned and read.

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; 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 Common Council, 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 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 27 of chapter 8 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 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 the security required for the faithful performance of the contract. Such check or money must not be inclosed 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 ten 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.

N.B.—The price must be written in the estimate and also stated in figures, and all estimates will be considered as informal which do not contain bids for all items for which bids are herein called, or which contain bids for items for which bids are not herewith called for. Permission will not be given for the withdrawal of any bid or estimate. No bid 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 Department of Public Parks reserves the right to reject any or all the bids received in response to this advertisement if it should deem it for the interest of the City so to do, and to readvertise until satisfactory bids or proposals shall be received. But the contract when awarded, in each case, will be awarded to the lowest bidder.

Blank forms for proposal and forms of the several contracts which the successful bidders will be required to execute, can be had, and the plans can be seen and information relative to them can be had at the office of the Department, Nos. 49 and 51 Chambers street.

GEORGE C. CLAUSEN,
A. B. TAPPEN,
NATHAN STRAUS,
EDWARD BELL,
Commissioners of Public Parks.

FINANCE DEPARTMENT.

NOTICE OF ASSESSMENT FOR OPENING STREETS AND AVENUES.

IN PURSUANCE OF SECTION 916 OF THE "New York City Consolidation Act of 1882," as amended, the Comptroller of the City of New York hereby gives public notice of the confirmation by the Supreme Court of the assessments for opening and acquiring title to the following streets, to wit:

HOME STREET—OPENING, between Boston road and Intervale avenue, in the Twenty-third Ward; confirmed June 6, 1894. Area of assessment: Both sides of Home street, from Boston road to a point about 125 feet east of Intervale avenue, and to the extent of half the block on the intersecting and terminating streets and ave-

nues; also west side of Boston road, extending about 383 feet north and 160 feet south of East One Hundred and Sixty-seventh street, and on the east side of Intervale avenue, between Kelly and Fox streets; also to the extent of about 130 feet on Home and One Hundred and Sixty-ninth streets, east of Intervale avenue.

COOPER STREET—OPENING, between Academy and Isham streets, in the Twelfth Ward; confirmed June 6, 1894. Area of assessment: Both sides of Cooper street, between Academy and Isham streets, and to the extent of half the block on the intersecting avenues.

The above-entitled assessments were entered on the 20th day of June, 1894, in the Record of Titles of Assessments confirmed, kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents." Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon as provided in section 917 of said "New York City Consolidation Act of 1882."

Section 917 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Clerk of Arrears at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," Room 31, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon on or before August 20, 1894, will be exempt from interest as above provided, and after that date will be charged interest at the rate of seven per cent. per annum from the above date of entry of the assessments in the Record of Titles of Assessments in said Bureau to the date of payment.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, June 30, 1894.

NOTICE OF ASSESSMENT FOR OPENING STREETS AND AVENUES.

IN PURSUANCE OF SECTION 916 OF THE "New York City Consolidation Act of 1882," as amended, the Comptroller of the City of New York hereby gives public notice of the confirmation by the Supreme Court of the assessment for opening and acquiring title to the following avenue, to wit:

TWELFTH WARD.

LEXINGTON AVENUE, between Ninety-seventh and One Hundred and Second streets, confirmed June 1, 1894. Area of assessment: Both sides of Lexington avenue, between East Twenty-third street and Harlem river, and to the extent of half the block on the intersecting streets, being parts of the Twelfth, Eighteenth, Nineteenth and Twenty-first Wards.

The above-entitled assessment was entered on the 21st day of June, 1894, in the Record of Titles of Assessments confirmed kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents." Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon as provided in section 917 of said "New York City Consolidation Act of 1882."

Section 917 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessment is payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," Room 31, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon on or before August 21, 1894, will be exempt from interest as above provided, and after that date will be charged interest at the rate of seven per cent. per annum from the above date of entry of the assessment in the Record of Titles of Assessments in said Bureau to the date of payment.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, June 30, 1894.

PROPOSALS FOR \$250,000 ASSESSMENT BONDS OF THE CITY OF NEW YORK.

EXECUTORS, ADMINISTRATORS, GUARDIANS AND OTHERS HOLDING TRUST FUNDS ARE AUTHORIZED BY LAW TO INVEST IN THESE BONDS.

INTEREST THREE AND ONE-HALF PER CENT. PER ANNUM.

SEALED PROPOSALS WILL BE RECEIVED by the Comptroller of the City of New York, at his office, until Thursday, the 12th day of July, 1894, at 2 o'clock P. M., when they will be publicly opened in the presence of the Commissioners of the Sinking Fund, or such of them as shall attend, as provided by law, for the whole or a part of the following registered bonds of the City of New York, to wit:

\$250,000 ASSESSMENT BONDS OF THE CORPORATION OF THE CITY OF NEW YORK.

—The principal payable in lawful money of the United States of America, at the Comptroller's office of said city, on the first day of November, in the year 1899, with interest at the rate of three and one-half per centum per annum, payable semi-annually on the first day of May and November in each year.

The said bonds are issued in pursuance of the provisions of section 144 of the New York City Consolidation Act of 1882, and as authorized by resolutions of the Board of Estimate and Apportionment.

AUTHORITY FOR TRUST INVESTMENTS.

Attention is called to the provisions of an act passed by the Legislature March 14, 1889, authorizing executors, administrators, guardians and trustees, and others holding trust funds to invest such funds in the stocks or bonds of the City of New York.

CONDITIONS.

Section 146 of the New York City Consolidation Act of 1882 provides that "the Comptroller, with the approval of the Commissioners of the Sinking Fund, shall determine what, if any, part of said proposals shall be accepted, and upon the payment into the City Treasury of the amounts due by the persons whose bids are accepted, respectively, certificates therefor shall be issued to them as authorized by law"; and provided also, "that no proposals for bonds or stocks shall be accepted for less than the par value of the same."

Those persons whose bids are accepted will be required to deposit with the City Chamberlain the amount of bonds awarded to them at their par value, together with the premium thereon, within three days after notice of such acceptance.

The proposals should be inclosed in a sealed envelope, indorsed "Proposals for Bonds of the Corporation of the City of New York," and each proposal should also be inclosed in a second envelope, addressed to the Comptroller of the City of New York.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, June 29, 1894.

PETER F. MEYER, AUCTIONEER.

SALE OF THE BAY RIDGE FERRY.

THE FRANCHISE OF A FERRY, FROM THE foot of Whitehall street, New York, to Bay Ridge, at Sixty-fifth street, Long Island, will be offered for sale by the Comptroller of the City of New York, at public auction, to the highest bidder, at his office, Room No. 15, Stewart Building, No. 280 Broadway, on Wednesday, May 16, 1894, at 12 M., for a term of ten years, from the first day of June, 1894, upon the following

TERMS AND CONDITIONS OF SALE.

The highest bidder for the lease of the franchise and wharf property of said ferry will be required to pay the auctioneer's fee and to deposit with the Comptroller at the time of the sale a sum equal to twenty-five per cent. of the amount of his bid therefor, which sum shall be credited on the rent of the first quarter of the first year of the term of the lease, or to be forfeited to the City if the lease shall not be executed by the highest bidder or purchaser when notified and required by the Comptroller.

In addition to the yearly rental to be paid for the ferry franchise, the purchaser and lessee of said franchise may have the use for ferry purposes of that portion of the landing and buildings at the foot of Whitehall street, which are now and were heretofore occupied and used in connection with the operation of the Bay Ridge ferry, and of the privileges heretofore exercised in operating said ferry, by the payment of eight thousand (8,000) dollars per annum, payable quarterly, during the term of the new lease beginning June 1, 1894, to the lessee of franchise of the ferry to and from Staten Island.

The boats of said ferry shall make half hourly trips each way during the regular summer season, and trips during the rest of the year as may be directed by the Mayor and Comptroller of the City of New York.

The minimum, or upset price, is five per cent. of the gross receipts for ferrage of passengers, vehicles, freight, etc., and the total amount of the rental shall not be less than fifteen thousand dollars (\$15,000) per annum, payable quarterly in advance.

The lessee will be required to provide improved facilities for the safe and more convenient landing of passengers and vehicles at the Long Island terminus.

The lessee of the ferry will also be required to give a bond in double the amount of the yearly rental with two sufficient sureties approved by the Comptroller, and conditioned for the faithful performance of the terms and conditions of the lease, which will be such as are required by law, and the ordinances of the Common Council, relating to ferries, and usually contained in ferry leases, which conditions shall be approved by the Counsel to the Corporation.

The lease will contain a covenant providing for the purchase, by any person or corporation other than the purchaser at the present sale, that may acquire said ferry franchise after the expiration of said term, at a fair appraised valuation of the boats, buildings and other property of the former lessee, actually necessary for the purpose of said ferry or franchise and the surrender and yielding up of the premises by the lessee, if the lessee shall not become the purchaser of the franchise for another term, which appraisal shall be made in the usual way before advertising a lease for a new term of the franchise, at least three months prior to the termination of the lease; provided that the Mayor, Aldermen and Commonality of the City of New York shall not in any event be deemed to covenant to purchase said property.

The rates of ferrage and charges for vehicles and freight shall not exceed the rates now charged.

The term of lease which the purchaser will be required to execute can be seen at the office of the Comptroller.

The right to reject any bid is reserved, if deemed by the Comptroller to be in the interest of the City.

By orders of the Commissioners of the Sinking Fund, under a resolution adopted April 10, 1894.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, May 3, 1894.

The above sale is postponed to Tuesday, May 29, 1894, at the same hour and place.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, May 16, 1894.

The above sale is postponed to Tuesday, June 12, 1894, at the same hour and place.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, May 29, 1894.

The above sale is postponed to Friday, June 22, 1894, at the same hour and place.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, June 12, 1894.

The above sale is postponed to Monday, July 2, 1894, at the same hour and place.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, June 22, 1894.

The above sale is postponed to Thursday, July 12, 1894, at the same hour and place.

ASHBEL P. FITCH,

Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, July 2, 1894.

PETER F. MEYER, AUCTIONEER.

SALE OF THE STATEN ISLAND FERRY.

THE FRANCHISE OF THE FERRY, FROM the foot of Whitehall street, New York, to Staten Island, will be offered for sale by the Comptroller of the City of New York, at public auction, to the highest bidder, at his office, Room No. 15, Stewart Building, No. 280 Broadway, on Wednesday, May 16, 1894, at 12 o'clock M., together with the wharf property belonging to the Corporation of said city, used and required for ferry purposes, for the term of ten years, from the first day of June, 1894, upon the following:

TERMS AND CONDITIONS OF SALE.

The highest bidder for the lease of the franchise and wharf property of said ferry will be required to pay the auctioneer's fee and to deposit with the Comptroller, at the time of the sale, a sum equal to twenty-five per cent. of the amount of his bid therefor, which sum shall be credited on the rent of the first quarter of the first year of the term of the lease, or be forfeited to the City if the lease shall not be executed by the highest bidder or purchaser when notified and required by the Comptroller.

The minimum or upset price for the franchise is five per cent. of the gross receipts, and the total yearly rental therefor shall not be less than..... \$22,500 00
For the wharf property the yearly rental is fixed at..... 21,500 00

Total..... \$44,000 00

—payable in advance quarterly.

purchase by any person or corporation other than the purchaser at the present sale that may acquire said ferry franchise after the expiration of said term, at a fair valuation, of the boats, buildings and other property of the lessee used in and actually necessary for the operation of said ferry, upon the termination of the lease, and the surrender and yielding up of the premises by the lessee, if the lessee shall not become the purchaser of the franchise for another term, which appraisal shall be made in the usual way, before advertising the lease for a new term of the franchise, at least three months prior to the termination of the lease; but the Mayor, Aldermen and Commonalty of the City of New York shall not be deemed thereby to covenant to purchase said property in any event.

The lease also shall contain a provision that the number of boats employed and the number of regular trips made daily shall not be less than those now employed and made in operating the said ferry, and that at least three regular trips shall be made between the hours of one o'clock A. M. and five o'clock A. M., daily, at an interval of one hour and twenty minutes between each trip.

A further condition of the sale is that the purchaser and lessee of the franchise of the ferry to Bay Ridge, Long Island, may have the use for its ferry purposes of that portion of the landing and buildings thereon at the foot of Whitehall street, which are now and were heretofore occupied and used in connection with the operation of the Bay Ridge Ferry and of the privileges heretofore exercised in operating said Bay Ridge Ferry, by the payment of \$8.00 per annum to the lessees of the Staten Island Ferry, during the term of the lease beginning June 1, 1894.

The purchaser of the franchise or license to operate the ferry to and from the foot of Whitehall street to and from Staten Island, in case the purchaser should be any one other than the Staten Island Rapid Transit Railroad Company, will be required to pay to the Staten Island Rapid Transit Railroad Company, upon the execution of the lease and upon the delivery of possession of said wharf property by said railroad company to said purchaser, the sum of \$175,000, the appraised value as fixed by the resolution of the Commissioners of the Sinking Fund adopted July 12, 1893, of the structures and improvements erected and made by the said Staten Island Rapid Transit Railroad Company upon the wharf property leased in connection with said ferry franchise.

The rates for ferriage shall not exceed those now charged.

The term of lease which the purchaser will be required to execute can be seen at the office of the Comptroller.

The right to reject any bid is reserved, if deemed by the Comptroller to be in the interest of the City.

By order of the Commissioners of the Sinking Fund, under a resolution adopted April 10, 1894.

ASHBEL P. FITCH,
Comptroller
CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, May 3, 1894.

The above sale is postponed to Tuesday, May 29, 1894, at the same hour and place.

ASHBEL P. FITCH,
Comptroller.
CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, May 16, 1894.

The above sale is postponed to Tuesday, June 12, 1894, at the same hour and place.

ASHBEL P. FITCH,
Comptroller.
CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, May 29, 1894.

The above sale is postponed to Friday, June 22, 1894, at the same hour and place.

ASHBEL P. FITCH,
Comptroller.
CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, June 12, 1894.

The above sale is postponed to Monday, July 2, 1894, at the same hour and place.

ASHBEL P. FITCH,
Comptroller.
CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, June 22, 1894.

The above sale is postponed to Thursday, July 12, 1894, at the same hour and place.

ASHBEL P. FITCH,
Comptroller.
CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, July 2, 1894.

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,
Nos. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, June 27, 1894.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THIS Department with the following articles:
500,000 pounds Hay, of the quality and standard known as Best Sweet Timothy.
100,000 pounds good, clean Rye Straw.
5,000 bags clean No. 1 White Oats, 80 pounds to the bag.

1,600 bags first quality Bran, 40 pounds to the bag.
—will be received by the Board of Commissioners of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M., Thursday, July 12, 1894, at which time and place they will be publicly opened by the head of said Department and read.

All of the articles are to be delivered at the various houses of the Department in such quantities and at such times as may be directed.

No estimate will be received or considered after the hour named.

The form of the agreement (with specifications), showing the manner of payment for the articles, may be seen and forms of proposals may be obtained at the office of the Department.

Proposals must include all the items, specifying the price per cwt. for hay and straw, and per bag for oats and bran.

Bidders will write out the amount of their estimates in addition to inserting the same in figures.

The award of the contract will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the above shall present 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 Fire Department reserves the right to decline any and all bids or estimates if deemed to be for the public interest. 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.

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; 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 Common Council, 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 of 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 sureties for its faithful performance in the sum of six thousand (\$6,000) dollars; 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 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 law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of three hundred (\$300) dollars. 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.

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.

JOHN J. SCANNELL,
ANTHONY EICKHOFF,
S. HOWLAND ROBBINS,
Commissioners.

HEADQUARTERS FIRE DEPARTMENT,
Nos. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, June 29, 1894.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THE materials and labor and doing the work required in repairing and altering the building of this Department, occupied as Fuel Depot No. 19, at No. 209 East One Hundred and Twenty-second street, will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M., Thursday, July 12, 1894, at which time and place they will be publicly opened by the head of said Department and read.

No estimate will be received or considered after the hour named.

For information as to the amount and kind of work to be done, bidders are referred to the specifications and drawings, which form part of these proposals.

The form of the agreement, showing the manner of payment for the work, with the specifications and forms of proposals, may be obtained and the plans may be seen at the office of the Department.

Bidders will write out the amount of their estimate in addition to inserting the same in figures.

The work is to be completed and delivered within the time specified in the contract.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired, are fixed and liquidated at ten (\$10) dollars.

The award of the contract will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall present 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 Fire Department reserves the right to decline any and all bids or estimates deemed to be for the public interest. 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.

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; 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 Common Council, 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 of 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 sureties for its faithful performance in the sum of one thousand five hundred (\$1,500) dollars; 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 law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of seventy-five (\$75) dollars.

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.

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.

JOHN J. SCANNELL,
ANTHONY EICKHOFF,
S. HOWLAND ROBBINS,
Commissioners.

CHANGE OF GRADE DAMAGE COMMISSION, TWENTY-THIRD AND TWENTY-FOURTH WARDS.

PURSUANT TO THE PROVISIONS OF CHAPTER 567 of the Laws of 1894, entitled "An Act to amend chapter 537 of the Laws of 1893, entitled 'An Act providing for ascertaining and paying the amount of damages to lands and buildings, suffered by reason of changes of grade of streets or avenues, made pursuant to chapter seven hundred and twenty-one of the Laws of eighteen hundred and eighty-seven, providing for the depression of railroad tracks in the Twenty-third and Twenty-fourth Wards, in the City of New York, or otherwise,'" notice is hereby given, that public meetings of the Commissioners appointed under said act, will be held at Room No. 58 Schermerhorn Building, No. 95 Broadway, in the City of New York, on Monday, Wednesday and Friday of each week, at 2 o'clock P. M., until further notice.

Dated New York, June 13, 1894.
DANIEL LORID,
JAMES M. VARNUM,
DANIEL P. HAYS,
Commissioners.

LAMONT McLOUGHLIN, Clerk.

BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED BY the Board of School Trustees for the Seventeenth Ward, at the Hall of the Board of Education, No. 146 Grand street, until 9.30 o'clock A. M., on Tuesday, July 10, 1894, for erecting a New School Building on the present site of Primary School No. 22, corner of Ninth street and First avenue.

HIRAM MERRITT, Chairman,
HENRY H. HAIGHT, Secretary,
Board of School Trustees, Seventeenth Ward.
Dated New York, June 27, 1894.

Sealed proposals will also be received at the same place by the School Trustees of the Twenty-third Ward, until 10.30 o'clock A. M., on Tuesday, July 10, 1894, for erecting a New School Building for Grammar School No. 60, at One Hundred and Forty-fifth street and College avenue.

JAMES A. FERGUSON, Chairman,
J. C. JULIUS LANGBEIN, Secretary,
Board of School Trustees, Twenty-third Ward.
Dated New York, June 27, 1894.

Sealed proposals will also be received at the same place by the School Trustees of the Twenty-fourth Ward, until 12.30 o'clock P. M., on Tuesday, July 10, 1894, for erecting a New School Building for Grammar School No. 66, at Kingsbridge.

ELMER A. ALLEN, Chairman,
THEODORE E. THOMSON, Secretary,
Board of School Trustees, Twenty-fourth Ward.
Dated New York, June 27, 1894.

Sealed proposals will also be received at the same place by the School Trustees of the Nineteenth Ward, until 9.30 o'clock A. M., on Monday, July 9, 1894, for Heating and Ventilating the new School Building on northeast corner of Eighty-first street and Avenue A.

RICHARD KELLY, Chairman,
JOSEPH FETRETCH, Secretary,
Board of School Trustees, Nineteenth Ward.
Dated New York, June 25, 1894.

Sealed proposals will also be received at the same place by the School Trustees of the Second Ward, until 3.30 o'clock P. M., on Monday, July 9, 1894, for erecting iron stairs and making Repairs, Alterations, etc., at Primary School No. 34.

W. E. CONKLIN, Chairman,
C. F. NAETHING, Secretary,
Board of School Trustees, Second Ward.
Dated New York, June 25, 1894.

Plans and specifications may be seen, and blank proposals obtained, at the office of the Superintendent of School Buildings, No. 146 Grand street, third floor. The Trustees reserve the right to reject any or all of the proposals submitted.

The party submitting a proposal, and the parties proposing to become sureties, must each write his name and place of residence on said proposal.

Two responsible and approved sureties, residents of this city, are required in all cases.

No proposal will be considered from persons whose character and antecedent dealings with the Board of Education render their responsibility doubtful.

The party submitting a proposal must include in his proposal the names of all sub-contractors, and no change will be permitted to be made in the sub-contractors named without the consent of the School Trustees and Superintendent of School Buildings.

It is required as a condition precedent to the reception or consideration of any proposals, that a certified check upon, or a certificate of deposit of, one of the State or National banks, or Trust Companies of the City of New York, drawn to the order of the President of this Board, shall accompany the proposal to an amount of not less than three per cent. of such proposal, when said proposal is for or exceeds ten thousand dollars, and to an amount not less than five per cent. of such proposal when said proposal is for an amount under ten thousand dollars; that on demand, within one day after the awarding of the contract by the proper Board of Trustees, the President of the Board will return all the deposits of checks and certificates of deposit made, to the persons making the same, except that made by the person or persons whose bid has been so accepted; and that if the person or persons whose bid has been so accepted shall refuse or neglect, within five days after due notice has been given that the contract is ready for execution, to execute the same, the amount of the deposit or of the check or certificate of deposit made by him or them shall be forfeited to and retained by this Board, not as a penalty, but as liquidated damages for such neglect or refusal, and shall be paid into the City Treasury to the credit of the Sinking Fund of the City of New York; but if the said person or persons whose bid has been so accepted shall execute the contract within the time aforesaid, the amount of his or their deposit of check or certificate of deposit shall be returned to him or them.

PARK AVENUE IMPROVEMENT.

THE BOARD FOR THE PARK AVENUE IMPROVEMENT,
NEW YORK, July 5, 1894.

TO CONTRACTORS.

PROPOSALS ARE INVITED BY THE COMMISSIONERS for the Improvement of Park Avenue above One Hundred and Sixth Street for the furnishing and laying of about 700 lineal feet of 12-inch Croton Watermain on the west side of Park Avenue, between One Hundred and Twenty-fourth and One Hundred and Twenty-seventh streets, with all necessary fittings and connections, etc.

Plans and specifications of the work to be done and materials to be furnished, also blank proposals forms can now be obtained on application at the office of the Board, Room 4, No. 132 Park Avenue. Proposals will be received up to 12 o'clock, noon, of the 18th day of July, 1894.

John Fox, President; James H. Haslin, Walter Katte, A. H. Lighthall, Peter F. Meyer, Commissioners.

DEPARTMENT OF STREET CLEANING.

PUBLIC NOTICE.

RELATIVE TO THE GRANTING OF PERMITS FOR THE TEMPORARY OCCUPANCY OF PUBLIC STREETS BY LICENSED VEHICLES.

NOTICE IS HEREBY GIVEN THAT CHAPTER 697, Laws of 1894, authorizes the Commissioner of Street Cleaning to grant permits for the temporary occupancy of portions of the streets and public places in the City of New York, from 4 P. M. until 8 A. M., and on Sundays and legal holidays only, by unlicensed licensed trucks or other unlicensed licensed vehicles owned by residents of the City of New York who have the consent of the owner or lessee of the abutting property upon the condition that the owners of trucks or vehicles for which such permits are issued shall keep the street clean under and around said trucks or vehicles, and subject to such other rules and conditions as the said Commissioner may from time to time prescribe, which permits the said Commissioner may at any time revoke.

Such permits will not be granted for either side of a street contiguous to a public building of the City and County of New York, or a church, school-house, hospital, asylum or other incorporated benevolent institution, or a licensed place of amusement, or for the following named streets and public places:

Bowery, Broadway, Carmine street, Catharine street, Chambers street, Christopher street, College place, Cortlandt street, Desbrosses street, Essex street, Exchange place, Fulton street, Hester street, Hudson street, Liberty street, Nassau street, New street, Park Row, Varick street, Wall street, West Broadway.

Second avenue (East Houston street to Twenty-third street), Third avenue (Bowery to Harlem river, Harlem river to One Hundred and Sixty-fourth street), Fourth avenue (Sixth street to Forty-second street), Fifth avenue (Washington place to Fifty-ninth street), Sixth avenue (all), Seventh avenue (Forty-second street to Fifty-ninth street), Eighth avenue (Hudson street to Fifty-ninth street), Lexington avenue (all), Madison avenue (all), Fourteenth street (First avenue to Eighth avenue), Twenty-third street (all), Thirty-fourth street (East river to Tenth avenue), Forty-second street (Second avenue to Ninth avenue), Fifty-ninth street (First avenue to Tenth avenue), One Hundred and Twenty-fifth street (Third avenue to Ninth avenue).

Or for any streets under the control of the Department of Parks, Docks and Public Works, except upon the consent of the heads of those Departments.

All existing permits for the occupancy by unlicensed vehicles of any of the streets or portions of streets or places enumerated above are hereby revoked.

All unlicensed wagons, trucks or other vehicles standing in the streets or public places, other than those for which permits have been issued and which are in compliance with the conditions of the same will be seized and removed to the Corporation Yards of the Department of Street Cleaning, in pursuance of the provisions of the law.

Applications for permits as above made at the office of the Department of Street Cleaning, New Criminal Court-house, corner of Centre and Franklin streets.

WILLIAM S. ANDREWS,
Commissioner of Street Cleaning.

NOTICE.

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, in the Criminal Court Building.

WILLIAM S. ANDREWS,
Commissioner of Street Cleaning.

SUPREME COURT.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf 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 SHERMAN AVENUE (although not yet named by proper authority), from East One Hundred and Sixty-first street to East One Hundred and Sixty-fourth street, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 21st day of May, 1894, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, or of the benefit and advantage, if any, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street or avenue herein designated as Sherman Avenue, as shown and delineated on a certain map entitled "Map and Profile showing Sherman Avenue, from East One Hundred and Sixty-first street to East One Hundred and Sixty-fourth street, in the Twenty-third Ward of the City of New York, as established by the Commissioners of the Department of Public Parks in pursuance of chapter 410 of the Laws of 1882, and filed in the Office of the Register of the City and County of New York, in the Office of the Secretary of State of the State of New York and in the Office of the Department of Public Parks on or about the 17th day of January, 1885, and more particularly set forth in the petition of the Board of Street Opening and Improvement filed in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street or avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties re-

quired of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office, No. 2 Tryon Row, in the City of New York (Room No. 1, with such affidavits or other proofs as the said owners or claimants may desire, within twenty days after the date of this notice (July 3, 1894).

And we, the said Commissioners, will be in attendance at our said office on the 26th day of July, 1894, at 11 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of the Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 3, 1894.

PETER B. OLNEY,
SAMUEL DINKELSPIEL,
J. F. REILLY,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf 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 ONE HUNDRED AND EIGHTIETH STREET, although not yet named by proper authority, between Amsterdam avenue and the Kingsbridge road, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 8th day of June, 1894, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street or avenue, herein designated as One Hundred and Eightieth street, as shown and delineated on certain maps made by the Board of Street Opening and Improvement of the City of New York, under authority of chapter 430 of the Laws of 1882, as amended by chapter 360 of the Laws of 1883, and chapter 17 of the Laws of 1884, and filed in the office of the Department of Public Works, and in the office of the Counsel to the Corporation on or about the 26th day of May, 1891, and more particularly set forth in the petition of the Board of Street Opening and Improvement filed in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street or avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office, No. 2 Tryon Row, in the City of New York (Room No. 1, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (June 26, 1894).

And we, the said Commissioners, will be in attendance at our said office, on the 6th day of August, 1894, at 1 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto, and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, June 26, 1894.

ROBERT L. LUCE,
SAMUEL W. MILBANK,
H. W. GRAY,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf 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 FRANKLIN AVENUE (although not yet named by proper authority), from Third avenue to Crotona Park, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of the City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court-house, in the City of New York, on Monday, the 9th day of July, 1894, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue, known as Franklin avenue, from Third avenue to Crotona Park, in the Twenty-third Ward of the City of New York, being the following described lots, pieces or parcels of land, viz:

PARCEL "A."

Beginning at the intersection of the western line of Franklin avenue (as ceded by Gouverneur Morris, November 8, 1864), with the southern line of Spring place (as ceded by Gouverneur Morris, November 8, 1864).
1st. Thence westerly along the southern line of said Spring place for 10.99 feet.
2d. Thence southwesterly deflecting 65 degrees 30 minutes to the left for 384.97 feet to its junction with Third avenue.
3d. Thence easterly along the northern line of said Franklin avenue for 10.30 feet to the western line of said Franklin avenue.
4th. Thence northeasterly along the western line of said Franklin avenue for 88.08 feet to the point of beginning.

PARCEL "B."

Beginning at the intersection of the western line of said Franklin avenue with the northern line of Fifth street (now East One Hundred and Sixty-seventh street, ceded by Gouverneur Morris, November 8, 1864).
1st. Thence westerly along the northern line of said Fifth street (now East One Hundred and Sixty-seventh street) for 10.47 feet.
2d. Thence northeasterly deflecting 107 degrees 15 minutes 40 seconds to the right for 386.01 feet to the eastern prolongation of the southern line of East One Hundred and Sixty-eighth street.
3d. Thence westerly along the eastern prolongation of the southern line of East One Hundred and Sixty-eighth street for 21.03 feet to the eastern line of East One Hundred and Sixty-eighth street legally opened May 31, 1893.
4th. Thence northeasterly along the eastern line of said East One Hundred and Sixty-eighth street for 31.55 feet to the southern line of Sixth street (ceded by Gouverneur Morris, November 8, 1864).
5th. Thence easterly along the southern line of said Sixth street for 31.55 feet to the western line of said Franklin avenue.
6th. Thence southwesterly along the said western line of Franklin avenue 617.70 feet to the point of beginning.

PARCEL "C."

Beginning at the intersection of the western line of said Franklin avenue with the southern line of Seventh street (now East One Hundred and Sixty-ninth street, ceded by Gouverneur Morris, November 8, 1864).
1st. Thence southwesterly along the western line of said Franklin avenue for 618.15 feet to the northern line of said Sixth street.
2d. Thence westerly along the northern line of said Sixth street for 31.55 feet to the eastern line of said East One Hundred and Sixty-eighth street.
3d. Thence northeasterly along the eastern line of said East One Hundred and Sixty-eighth street and the northern prolongation of the said eastern line for 618.01 feet to the southern line of said Seventh street (now East One Hundred and Sixty-ninth street).
4th. Thence easterly along the southern line of said Seventh street (now East One Hundred and Sixty-ninth street) for 31.60 feet to the point of beginning.

PARCEL "D."

Beginning at the intersection of the western line of said Franklin avenue with the northern line of said Seventh street (now East One Hundred and Sixty-ninth street).
1st. Thence northerly along the western line of said Franklin avenue for 616.60 feet to the southern line of Eighth street (now East One Hundred and Seventieth street, ceded by Gouverneur Morris, November 8, 1864).
2d. Thence westerly along the southern line of said Eighth street now East One Hundred and Seventieth street for 5.05 feet.
3d. Thence southerly deflecting 81 degrees 37 minutes 20 seconds to the left for 897.82 feet.
4th. Thence southwesterly deflecting 14 degrees 13 minutes 40 seconds to the right for 66.61 feet to the northern line of Seventh street (now East One Hundred and Sixty-ninth street).
5th. Thence easterly along the northern line of said Seventh street (now East One Hundred and Sixty-ninth street) for 21.43 feet to the point of beginning.

PARCEL "E."

Beginning at the intersection of the eastern line of said Franklin avenue with the northern line of said Seventh street (now East One Hundred and Sixty-ninth street).
1st. Thence northerly along the eastern line of said Franklin avenue for 727.40 feet to the southern line of Jefferson street.
2d. Thence easterly along the southern line of Jefferson street for 5 feet.
3d. Thence southerly deflecting 91 degrees 12 minutes to the right for 727.21 feet to the northern line of said Seventh street (now East One Hundred and Sixty-ninth street).
4th. Thence westerly along the northern line of Seventh street (now East One Hundred and Sixty-ninth street) for 5.01 feet to the point of beginning.

PARCEL "F."

Beginning at the intersection of the western line of said Franklin avenue with the northern line of Eighth street (now East One Hundred and Seventieth street).
1st. Thence westerly along the northern line of Eighth street (now East One Hundred and Seventieth street) for 5.01 feet.
2d. Thence northerly deflecting 98 degrees 22 minutes 40 seconds to the right for 342.63 feet to the southern line of Crotona Park.
3d. Thence easterly along the southern line of Crotona Park for 5.06 feet to the western line of said Franklin avenue.
4th. Thence southerly along the western line of said Franklin avenue for 342.65 feet to the point of beginning.

PARCEL "G."

Beginning at the intersection of the eastern line of said Franklin avenue with the northern line of Jefferson street (ceded by Gouverneur Morris, November 8, 1864).
1st. Thence easterly along the northern line of Jefferson street for 5 feet.
2d. Thence northerly deflecting 88 degrees 8 minutes to the left for 582.03 feet to the southern line of Crotona Park.
3d. Thence westerly along the southern line of Crotona Park for 5.06 feet to the eastern line of said Franklin avenue.
4th. Thence southerly along the eastern line of said Franklin avenue for 581.43 feet to the point of beginning. Franklin avenue is designated as a street of the first class and is partly 60 and partly 80 feet wide.
Dated New York, June 25, 1894.

WILLIAM H. CLARK,

Counsel to the Corporation,

No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf 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 RIVER AVENUE (although not yet named by proper authority), from East One Hundred and Forty-fourth street to Jerome avenue, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court-house, in the City of New York, on Monday, the 9th day of July, 1894, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue, known as River avenue, from East One Hundred and Forty-fourth street to Jerome avenue, in the Twenty-third Ward of the City of New York, being the following described lots, pieces or parcels of land, viz:

PARCEL "A."

Beginning at a point in the southern line of East One Hundred and Forty-ninth street, distant 202.35 feet westerly from the intersection of the southern line of

East One Hundred and Forty-ninth street with the western line of Gerard avenue.

1st. Thence westerly along the southern line of East One Hundred and Forty-ninth street for 76.04 feet.
2d. Thence southerly deflecting 80 degrees 31 minutes 6 seconds to the left for 665.52 feet.
3d. Thence easterly deflecting 87 degrees 23 minutes 41 seconds to the left for 75.08 feet.
4th. Thence northerly for 682.46 feet to the point of beginning.

PARCEL "B."

Beginning at a point in the southern line of East One Hundred and Sixty-first street distant 230.33 feet westerly from the intersection of the southern line of East One Hundred and Sixty-first street with the western line of Gerard avenue.
1st. Thence westerly along the southern line of East One Hundred and Sixty-first street, for 75.11 feet.
2d. Thence southerly deflecting 86 degrees 55 minutes 30 seconds to the left for 1,679.19 feet.
3d. Thence southerly deflecting 7 degrees 39 minutes 38 seconds to the left for 1,566.63 feet to the northern line of East One Hundred and Forty-ninth street.
4th. Thence easterly along the northern line of East One Hundred and Forty-ninth street for 76.04 feet.
5th. Thence northerly deflecting 80 degrees 31 minutes 6 seconds to the left for 1,549.68 feet.
6th. Thence northerly for 1,678.20 feet to the point of beginning.

PARCEL "C."

Beginning at a point in the northern line of East One Hundred and Sixty-first street distant 230.33 feet westerly from the intersection of the northern line of East One Hundred and Sixty-first street to the western line of Gerard avenue.
1st. Thence westerly along the northern line of East One Hundred and Sixty-first street for 75.11 feet.
2d. Thence northerly deflecting 93 degrees 04 minutes 30 seconds to the right for 3,637.71 feet.
3d. Thence westerly deflecting 90 degrees to the left for 34.61 feet to the eastern line of Jerome avenue.
4th. Thence northerly along the eastern line of Jerome avenue for 259.36 feet.
5th. Thence southerly for 3,858.72 feet to the point of beginning.
River avenue is designated as a street of the first class and is 75 feet wide.

Dated New York, June 23, 1894.

WILLIAM H. CLARK,

Counsel to the Corporation,

No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf 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 BAILEY AVENUE (although not yet named by proper authority), from Boston avenue to Fort Independence street, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court-house, in the City of New York, on Monday, the 9th day of July, 1894, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue, known as Bailey avenue, from Boston avenue to Fort Independence street, in the Twenty-fourth Ward of the City of New York, being the following-described lots, pieces or parcels of land, viz:

Beginning at the intersection of the northern and eastern lines of that portion of Bailey avenue which was legally opened March 4, 1887.
1st. Thence northwesterly along the said northern line of Bailey avenue legally opened March 4, 1887, for 64.72 feet.
2d. Thence northeasterly deflecting 75 degrees 41 minutes 43 seconds to the right for 13.06 feet.
3d. Thence northeasterly deflecting 5 degrees 53 minutes 21 seconds to the left for 1,061.61 feet.
4th. Thence northeasterly, curving to the left on the arc of a circle tangent to the preceding course whose radius is 1,160 feet, for 170.60 feet.

5th. Thence northeasterly, on a line tangent to the preceding course, for 100 feet.

6th. Thence northeasterly, curving to the right on the arc of a circle tangent to the preceding course whose radius is 560 feet, for 192.71 feet to a point of reverse curve.

7th. Thence northeasterly, on the arc of a circle whose radius is 1,090 feet, for 152.19 feet to a point of reverse curve.

8th. Thence northeasterly, on the arc of a circle whose radius is 1,210 feet, for 228.61 feet to a point of reverse curve.

9th. Thence northeasterly, on the arc of a circle whose radius is 3,396.16 feet, for 274.24 feet to the western line of Fort Independence street.

10th. Thence southerly along the western line of Fort Independence street, on the arc of a circle whose radius is 4,339.44 feet, for 286.47 feet to a point of reverse curve.

11th. Thence southerly, curving to the left on the arc of a circle whose radius is 25 feet, for 59.63 feet to a point of compound curve.

12th. Thence southwesterly, on the arc of a circle whose radius is 1,150 feet, for 217.27 feet to a point of reverse curve.

13th. Thence southwesterly, on the arc of a circle whose radius is 1,150 feet, for 150.57 feet to a point of reverse curve.

14th. Thence southwesterly, on the arc of a circle whose radius is 500 feet, for 172.07 feet.

15th. Thence southwesterly, on a line tangent to the preceding course, for 100 feet.

16th. Thence southwesterly curving to the right on the arc of a circle tangent to the preceding course, whose radius is 1,220 feet, for 185.73 feet.

17th. Thence southwesterly, on a line tangent to the preceding course, for 1,072.48 feet.

18th. Thence southwesterly for 24.46 feet to the point of beginning.
Bailey avenue, from Boston avenue to Fort Independence street, is designated as a street of the first class, and is 60 feet wide.

Dated New York, June 23, 1894.

WILLIAM H. CLARK,

Counsel to the Corporation,

No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf 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 BROOKLINE STREET (although not yet named by proper authority), extending from Webster avenue to Bainbridge avenue, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore designated as a first-class street or road.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands affected thereby, and to all others to whom it may concern, to wit:

First—That we have completed our estimate and assessment and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 2 Tryon Row, Room 1 (fourth floor), in said city, on or before the 13th day of July, 1894, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 13th day of July, 1894, and for that purpose will be in attendance at our said office on each of said ten days at 4 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the office of the Bureau of Street Openings of the Law Department of the City of New York, at No. 2 Tryon Row, in the said city, there to remain until the 24th day of July, 1894.

Third—That the limits of our assessment for benefit, included all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz: Beginning at a point in the easterly line of Valentine avenue, distant about 310 feet southerly from the southerly line of Sherwood street; running thence westerly and parallel or nearly so with the southerly line of Sherwood street to a point in the westerly line of Marion avenue, opposite Tappen street; thence again westerly and along the southerly line of Tappen street to a point in the southerly side of said Tappen street, or distant about 155 feet westerly from the southeast corner of Tappen street and Marion avenue; thence southerly and at right angles or nearly so with Tappen street for a distance of about 25 feet; thence easterly and parallel with Cole street for a distance of about 215 feet; thence southerly and parallel with Decatur avenue for a distance of about 135 feet; thence easterly and at right angles with the last mentioned course to the easterly line of Webster avenue; thence southerly along the easterly line of Webster avenue to the intersection of the easterly line of Webster avenue with the westerly line of Vanderbilt avenue, West; thence southerly along the westerly line of Vanderbilt avenue, West, for a distance of about 195 feet; thence westerly, southerly and northerly, on a broken line following the course of the Kingsbridge road, and distant on an average of about 120 feet northerly and easterly from the northerly and easterly line thereof to a point in the southerly line of Brookline street, opposite Valentine avenue; thence northerly along the easterly line of Valentine avenue to the point of beginning.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the 31st day of July, 1894, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, June 19, 1894.

JAMES P. CAMPBELL, Chairman,
JOHN F. MCINTYRE,
PIERRE VAN BUREN HOES,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf 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 NELSON AVENUE (although not yet named by proper authority), from Kemp place to Boscobel avenue, in the Twenty-third and Twenty-fourth Wards of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of the City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court-house, in the City of New York, on Monday, the 9th day of July, 1894, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue, known as Nelson avenue, from Kemp place to Boscobel avenue, in the Twenty-third and Twenty-fourth Wards of the City of New York, being the following-described lots, pieces or parcels of land, viz:

PARCEL "A."

Beginning at a point in the southern line of Devoe street, distant 171.88 feet westerly from the intersection of the southern line of Devoe street with the western line of Bremer avenue.

1st. Thence westerly along the southern line of Devoe street for 60.16 feet.

2d. Thence southwesterly deflecting 85 degrees 45 minutes 50 seconds to the left for 541.48 feet.

3d. Thence easterly deflecting 94 degrees 14 minutes 10 seconds to the left for 60.16 feet.

4th. Thence northeasterly for 511.48 feet to the point of beginning.

PARCEL "B."

Beginning at a point in the northern line of Devoe street distant 171.93 feet westerly from the intersection of the northern line of Devoe street with the western line of Bremer avenue.

1st. Thence westerly along the northern line of Devoe street for 60.16 feet.

2d. Thence northeasterly deflecting 94 degrees 14 minutes 10 seconds to the right for 947.59 feet to the southern line of Union street.

3d. Thence easterly along the southern line of Union street for 60.16 feet.

4th. Thence southwesterly for 917.59 feet to the point of beginning.

PARCEL "C."

Beginning at a point in the northern line of Union street distant 225.61 feet westerly from the intersection of the northern line of Union street with the western line of Bremer avenue.

1st. Thence westerly along the northern line of Union street for 60.16 feet.

2d. Thence northeasterly deflecting 94 degrees 14 minutes 10 seconds to the right for 649.04 feet to the southern line of Birch street.

3d. Thence easterly along the southern line of Birch street for 63.07 feet.

4th. Thence southwesterly for 654.09 feet to the point of beginning.

PARCEL "D."

Beginning at a point in the northern line of Birch street, distant 856.31 feet easterly from the intersection of the northern line of Birch street with the eastern line of Wolf street.

1st. Thence easterly along the northern line of Birch street for 63.09 feet.

2d. Thence northeasterly deflecting 72 degrees to the left for 540.65 feet.

3d. Thence northeasterly deflecting 1 degree 10 minutes and 32 seconds to the right for 50.0 feet.

4th. Thence northeasterly deflecting 54 minutes 42 seconds to the right for 770.34 feet.

5th. Thence northwesterly deflecting 54 degrees 53 minutes to the left for 73.35 feet.

6th. Thence southwesterly deflecting 125 degrees 7 minutes to the left for 812.42 feet.

7th. Thence southwesterly deflecting 54 minutes 13 seconds to the left for 50 feet.

8th. Thence southwesterly for 561.45 feet to the point of beginning.

Nelson avenue, from Kemp place to Boscobel avenue, is designated as a street of the first class and is 60 feet wide.

Dated NEW YORK, June 23, 1894.

WILLIAM H. CLARK,
Counsel to the Corporation,
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to KAPPOCK STREET (although not yet named by proper authority), extending from the Spuyten Duyvil Parkway to a public road, now called Johnson avenue, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore laid out and designated as a second-class street or road by the Department of Public Parks.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 2 Tryon Row, Room 1 (fourth floor), in said city, on or before the 10th day of July, 1894, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 10th day of July, 1894, and for that purpose will be in attendance at our said office on each of said ten days at 12 o'clock, A. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the 10th day of July, 1894.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Beginning at a point, the northeast corner of Johnson avenue and Westchester avenue, running thence northerly along the easterly line of Westchester avenue for a distance of about 323.01 feet; thence again northerly along the center line of the block, between Johnson avenue and Kappock street to a point where said center line would be intersected by the prolongation southerly from Spuyten Duyvil Parkway of a line parallel with and distant 100 feet westerly from the westerly line of Spuyten Duyvil Parkway; thence northeasterly along the said last mentioned line for a distance of about 1,145 feet; thence southeasterly parallel with and distant 100 feet northerly from the northerly line of a certain unknown street or avenue for a distance of about 980 feet; thence southwesterly and parallel with and distant 100 feet easterly from the easterly line of another certain unknown street or avenue for a distance of about 320 feet; thence easterly along the northerly line of Sidney street and said northerly line of Sidney street prolonged easterly from Berrian street for a distance of 415 feet; thence southwesterly along the center line of the block, between Johnson avenue and the first street or avenue west of Johnson avenue for a distance of about 300 feet; thence southerly along a line perpendicular to Johnson avenue for a distance of about 285 feet to Spuyten Duyvil road; thence westerly, parallel with and distant 100 feet southerly from the southerly line of Johnson avenue to a point in the prolongation southerly from Johnson avenue of the easterly line of Westchester avenue; and thence northeasterly along said prolongation of the easterly line of Westchester avenue to the point of beginning, as said area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the 26th day of July, 1894, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, June 23, 1894.

J. RHINELANDER DILLON, Chairman,
WALTER EDWARDS,
PATRICK H. WHALEN,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to ONE HUNDRED AND SEVENTY-NINTH STREET (although not yet named by proper authority), between Amsterdam avenue and the Kingsbridge road, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court bearing date the 8th day of June, 1894, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, over and above the benefit and advantage, or of the benefit and advantage over and above the loss and damage, if any, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments, and premises required for the purpose by and in consequence of opening a certain street or avenue, herein designated as One Hundred and Seventy-ninth street, as shown and delineated on certain maps made by the Board of Street Opening and Improvement of the City of New York, under authority of chapter 410 of the Laws of 1882, as amended by chapter 360 of the Laws of 1883 and chapter 17 of the Laws of 1884, and filed in the office of the Department of Public Works and the office of the Counsel to the Corporation on or about the 26th day of May, 1891, and more particularly set forth in the petition of the Board of Street Opening and Improvement filed in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street or avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office, No. 2 Tryon Row, in the City of New York, Room No. 1, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (June 26, 1894).

And we, the said Commissioners, will be in attendance at our said office on the 3d day of August, 1894, at 12 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 26, 1894.

EDWARD B. LA FETRA,
SAMUEL W. MILBANK,
H. W. GRAY,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to ONE HUNDRED AND EIGHTY-SECOND STREET (although not yet named by proper authority), between Amsterdam avenue and the Kingsbridge road, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 8th day of June, 1894, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street or avenue herein designated as One Hundred and Eighty-second street, as shown and delineated on certain maps made by the Board of Street Opening and Improvement of the City of New York, under authority of chapter 410 of the Laws of 1882, as amended by chapter 360 of the Laws of 1883 and chapter 17 of the Laws of 1884, and filed in the office of the Department of Public Works and in the office of the Counsel to the Corporation on or about May 26, 1891, and more particularly set forth in the petition of the Board of Street Opening and Improvement, filed in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street or avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying-out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled, "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office, No. 2 Tryon Row, in the City of New York, Room No. 1, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (June 26, 1894).

And we, the said Commissioners, will be in attendance at our said office, on the 6th day of August, 1894, at eleven o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 26, 1894.

WILLIAM H. WILLIS,
ISAAC RODMAN,
H. W. GRAY,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to EDGEcombe ROAD (although not yet named by proper authority), from One Hundred and Fifty-fifth street to a point in the easterly line of Tenth avenue, opposite One Hundred and Seventy-fifth street, in the Twelfth Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by said Board.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 1st day of May, 1894, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, or of the benefit and advantage, if any, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street or avenue, herein designated as Edgecombe road, as shown and delineated on certain maps made by the Board of Street Opening and Improvement of the City of New York, under authority of chapter 660 of the Laws of 1893, and filed on or about the 14th day of April, 1894, in the office of the Department of Public Works, in the office of the Secretary of State of the State of New York, in the office of the Register of the City and County of New York, and in the office of the Department of Public Parks, and more particularly set forth in the petition of the Board of Street Opening and Improvement filed in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street or avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office, No. 2 Tryon Row, in the City of New York, Room No. 1, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (June 26, 1894).

And we, the said Commissioners, will be in attendance at our said office on the 23d day of July, 1894, at 12 o'clock noon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 26, 1894.

EDWARD F. O'DWYER,
ISAAC FROMME,
B. PERKINS,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired), to BOS OBEL AVENUE (although not yet named by proper authority), extending from the easterly approach to the bridge over the Harlem river at West One Hundred and Eighty-first street to Jerome avenue, in the Twenty-third and Twenty-fourth Wards of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, Commissioners of Estimate and Assessment in the above-entitled matter, will be in attendance at our office, No. 200 Broadway (fifth floor, Room 25), on Tuesday, July 10, at 12 o'clock M., to hear any person or persons who may consider themselves aggrieved by our estimate or assessment (an abstract of which has been heretofore filed by us for and during the space of forty days in the office of the Commissioner of Public Works, No. 31 Chambers street), in opposition to the same; that our said abstract of estimate and assessment may be hereafter inspected at our office, No. 200 Broadway; that it is our intention to present our report for confirmation to the Supreme Court, at a Special Term thereof, to be held at Chambers thereof, at the County Court-house, in the City of New York, on the 12th day of July, 1894, at the opening of the Court on that day, to which day the motion to confirm our said report will be adjourned, and that then and there, or as soon thereafter as Counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, June 26, 1894.

WILLIAM E. STILLINGS,
HENRY G. CASSIDY,
Commissioners.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to the opening and extension of ONE HUNDRED AND TWENTY-FIFTH STREET, between the Boulevard and Claremont avenue, in the Twelfth Ward of the City of New York.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our supplemental estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 2 Tryon Row, Room 1 (fourth floor), in said city, on or before the 9th day of July, 1894, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 9th day of July, 1894, and for that purpose will be in attendance at our said office on each of said ten days, at one o'clock P. M.

Second—That the abstract of our said supplemental estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the tenth day of July, 1894.

Third—That the limits of our assessment for benefit include all those lots, pieces, or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by a line parallel with and distant 100 feet southerly from the southerly line of One Hundred and Twenty-seventh street; easterly by a line parallel with and distant 225 feet easterly from the easterly line of the Boulevard; southerly by a line parallel with and distant 100 feet northerly from the northerly line of One Hundred and Twenty-second street, and westerly by a line parallel with and distant 100 feet westerly from the westerly line of Claremont avenue; excepting from said area all the streets, avenues and places or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the 23d day of July, 1894, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, June 13, 1894.

J. ROMANE BROWN, Chairman,
SIDNEY HARRIS,
JOHN H. KITCHEN,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to AUDUBON AVENUE (although not yet named by proper authority), between One Hundred and Sixty-fifth street and One Hundred and Seventy-fifth street, in the Twelfth Ward of the City of New York.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 2 Tryon Row, Room 1 (fourth floor), in said city, on or before the 16th day of July, 1894, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 16th day of July, 1894, and for that purpose will be in attendance at our said office on each of said ten days, at 12 o'clock M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the 26th day of July, 1894.

Third—That the limits of our assessment for benefit

include all those lots, pieces or parcels of land situate, lying and being in the City of New York which, taken together, are bounded and described as follows, viz.: By a line beginning at a point distant 150 feet east from the easterly line of the Boulevard and 35 feet north from the northerly line of One Hundred and Sixty-second street, running parallel with the Boulevard for a distance of about 520 feet to a point 114 feet and 9 inches south from the southerly line of One Hundred and Sixty-fifth street; thence westerly, for a distance of 125 feet, to a point distant 25 feet east from the easterly line of the Boulevard; thence parallel with the Boulevard to a point in the northerly line of One Hundred and Sixty-eighth street about 50 feet distant from the easterly line of Kingsbridge road; thence for a distance of about 240 feet to a point in the northerly line of One Hundred and Sixty-ninth street distant 100 feet from the easterly line of Eleventh avenue; thence parallel with and distant 100 feet from the easterly line of Eleventh avenue for a distance of about 1,940 feet and 6 inches; thence perpendicular with said last mentioned line for a distance of 600 feet; thence parallel with and distant 100 feet from the westerly line of Amsterdam avenue for a distance of about 3633 feet and 6 1/2 inches to a point in the easterly line of Kingsbridge road; thence perpendicular to said easterly line of Kingsbridge road for a distance of 185 feet and 1 1/2 inches; thence at an angle of about 71 degrees with said last mentioned line for a distance of about 5 feet to a point in a line parallel with, and distant 35 feet from the northerly line of One Hundred and Sixty-second street; thence parallel with and distant 35 feet from said northerly line of One Hundred and Sixty-second street for a distance of 264 feet and 6 inches to the point of beginning.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the 17th day of August, 1894, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, June 6, 1894.

JAMES P. CAMPBELL, Chairman,
J. ROMANE BROWN,
MATTHEW CHALMERS,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to ST. MARY'S STREET (although not yet named by proper authority), from St. Ann's avenue to Southern Boulevard, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of the City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court-house, in the City of New York, on Monday, the 9th day of July, 1894, at the opening of the Court on that day, or as soon thereafter (after as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title in the name and on behalf of the Mayor, Aldermen and Commonality of the City of New York for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue, known as St. Mary's street, from St. Ann's avenue to Southern Boulevard, in the Twenty-third Ward of the City of New York, being the following-described lots, pieces or parcels of land, viz.:

PARCEL "A."

Beginning at a point on the eastern line of St. Ann's avenue, distant 583.97 feet northerly from the intersection of the eastern line of St. Ann's avenue with the northern line of East One Hundred and Forty-first street.

- 1st. Thence northerly along the eastern line of St. Ann's avenue for 01.38 feet to the southern line of St. Mary's Park.
- 2d. Thence easterly along the southern line of St. Mary's Park for 173.91 feet to the western line of Crimmins avenue.
- 3d. Thence southerly along the western line of Crimmins avenue for 61.38 feet.
- 4th. Thence westerly for 173.91 feet to the point of beginning.

PARCEL "B."

Beginning at a point in the western line of Beekman avenue, distant 629.67 feet northerly from the intersection of the western line of Beekman avenue with the northern line of East One Hundred and Forty-first street.

- 1st. Thence northerly along the western line of Beekman avenue for 94.30 feet to the southern line of St. Mary's Park.
- 2d. Thence westerly along the southern line of St. Mary's Park for 304.15 feet to the eastern line of Crimmins avenue.
- 3d. Thence southerly along the eastern line of Crimmins avenue for 61.38 feet.
- 4th. Thence easterly, deflecting 102 degrees 10 minutes 00 seconds to the left, for 169.01 feet.
- 5th. Thence easterly, curving to the right on the arc of a circle tangent to the preceding course, whose radius is 77.05 feet for 84.27 feet.
- 6th. Thence easterly for 70.97 feet to the point of beginning.

PARCEL "C."

Beginning at a point in the eastern line of Beekman avenue, distant 594.70 feet northerly from the intersection of the eastern line of Beekman avenue with the northern line of East One Hundred and Forty-first street.

- 1st. Thence northerly along the eastern line of Beekman avenue for 63.71 feet to the southern line of St. Mary's Park.
- 2d. Thence easterly along the southern line of St. Mary's Park for 789.86 feet.
- 3d. Thence easterly, deflecting 6 degrees 27 minutes 49 seconds to the left, for 734.80 feet to the western line of Southern Boulevard.
- 4th. Thence southerly along the western line of Southern Boulevard for 60 feet.
- 5th. Thence westerly, deflecting 90 degrees 17 minutes to the right, for 743.08 feet.
- 6th. Thence westerly, deflecting 6 degrees 49 minutes 25 seconds to the right, for 65 feet.
- 7th. Thence westerly, deflecting 0 degrees 21 minutes 36 seconds to the left, for 453.46 feet.
- 8th. Thence westerly, deflecting 0 degrees 59 minutes 32 seconds to the left, for 80.02 feet.
- 9th. Thence westerly for 189.44 feet to the point of beginning.

St. Mary's street, from St. Ann's avenue to the Southern Boulevard, is designated as a street of the first class and is 60 feet wide.

Dated NEW YORK, June 23, 1894.

WILLIAM H. CLARK,
Counsel to the Corporation,
No. 2 Tryon Row, New York City.

THE CITY RECORD.

THE CITY RECORD IS PUBLISHED DAILY, Sundays and legal holidays excepted, at No. 2 City Hall, New York City. Annual subscription, \$9.30. W. J. K. KENNY, Supervisor.