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THE CITY RECORD

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BOARD OF ESTIMATE AND APPORTIONMENT.

Committee Hearing.

Notice is hereby given that the Corporate Stock Budget Committee, consisting of the Comptroller, the President of the Board of Aldermen and the President of the Borough of Manhattan, will give a public hearing on Wednesday, December 27, 1911, in Room 16, City Hall, Borough of Manhattan, at 11 o'clock in the forenoon, to all who desire to be heard in the matter of the construction of a hospital for contagious diseases in the Borough of The Bronx, under the jurisdiction of the Department of Health.

JOSEPH HAAG, Secretary.

Dated New York, December 6, 1911.

PUBLIC SERVICE COMMISSION—FIRST DISTRICT.

No. 154 NASSAU STREET, NEW YORK CITY.

Calendar for Week Commencing December 4, 1911.

Saturday, December 9—10 a. m.—14th floor—Case No. 1392—"Application for approval of issue of \$11,400,000 bonds."—Chairman Willcox.

Meetings of Committee of the Whole held on Tuesday, Wednesday, Thursday and Friday, at 10.30 a. m., in the Committee Room.

Regular meetings of the Commission held on Tuesday and Friday at 12 noon—Room 310.

Board of Examiners.

Minutes of Meeting Held November 8, 1911.

Present—Messrs. Charles G. Smith, Lewis Harding, William A. Boring, William Crawford, John P. Leo, John Kenlon and George A. Just, Chairman.

Meeting called to order at 2 P. M.

The minutes were approved as read.

Appeal 195, Fireproof Shutter Case 35 of 1911. Report from Acting Chief Martin presented and read. On motion, report received, its recommendations adopted, and Appeal 195 approved on condition that fireproof shutters be placed upon the windows on rear and east side walls of building.

Appeal 201 of 1911, New Building 610 of 1911, premises 42d and 43d st., 400 feet west of 5th ave., Manhattan, Messrs. Warren and Wetmore, appellants. Appearance: Messrs. Wetmore and Rossell.

On motion, approved: in consideration of the fact that the premises extend through the block with ready access to both streets, and that an extraordinary amount of exits has been provided; and

furthermore, that no wood is to be used throughout the building, floors to be cement, doors and trim steel; and that there are no dressing rooms nor stage equipment; and further, on the statement of the appellant that the "Hall is not built for revenue."

Appeal 202 of 1911, New Building 789 of 1911, premises northwest corner Monterey ave. and 178th st., The Bronx, Messrs. Hunt and Wiseman, appellants. Appearance: Messrs. Franklin Hunt and Harrison Wiseman. On motion, approved. Affidavit of Simon I. Schwartz, requested by the Board in re Appeal 196 of 1911, presented and read; on motion, ordered on file.

Letter from Y. M. H. A. Employment Agency, in re Louis Kestenbaum, received and referred to the Clerk.

Mr. Boring read to the Board his report to the New York Chapter, American Institute of Architects, on the work of the Board of Examiners for the year just closing.

The following resolution was moved and carried by unanimous vote:

Resolved: That the Board of Examiners

extend to Chief Kenlon their sincere sympathy in the accident which overtook him while bravely carrying out the duties of his office, and heartily wish him a speedy and complete recovery.

The Clerk was instructed to forward copy of this resolution to Chief Kenlon. Adjourned.

EDWARD V. BARTON, Clerk.

Minutes of Meeting Held November 14, 1911.

Present—Messrs. Charles G. Smith, Lewis Harding, William A. Boring, William Crawford, John P. Leo, John Kenlon and George A. Just, Chairman.

Meeting called to order at 2 P. M. Minutes were approved as read.

Appeal 203 of 1911, New Building 379 of 1911, premises south side 37th st., 308 feet 2 inches west of 5th ave., Manhattan, George and Edward Blum, appellants. Appearance: Messrs. Edward Blum and Julius Sternfeld. Entered on the record as withdrawn by appellants.

Appeal 204 of 1911, Alteration 2862 of 1911, premises northeast corner Broadway and 29th st., Manhattan, Jacob S. Glaser, appellant. Appearance: Mr. Jacob S. Glaser. Entered on the record as withdrawn by appellant.

Appeal 205 of 1911, New Building 667 of 1911, premises 228 E. 125th st., Manhattan, Joseph Wolf, appellant. Appearance: Mr. Thomas A. Harvey. Approved.

Appeal 206 of 1911, Alteration 1182 of 1911, premises northeast corner 5th ave. and 46th st., Manhattan, Charles I. Berg, appellant. Appearance: Mr. Charles I. Berg. Approved.

Appeal 207 of 1911, Alteration 2808 of 1911, premises 537 5th ave., Manhattan, Messrs. Davis, McGrath and Kiessling, appellants. Appearance: Mr. D. McGrath. Approved on condition that the side walls of the first, second, third, fourth and fifth stories are sixteen (16) inches in thickness.

Appeal 208 of 1911, New Building 680 of 1911, premises W. 115th st., 153 feet 9 inches east of St. Nicholas ave., Manhattan, William H. McElfatrick, appellant. Appearance: Mr. William H. McElfatrick. Disapproved.

Appeal 209 of 1911, New Building 191 of 1911, premises southwest corner Houston and Chrystie sts., Manhattan, Thomas W. Lamb, appellant. Appearance: Mr. Thomas W. Lamb. On motion, approved on condition that the last row of seats in the east and west side sections of the Auditorium be omitted, and that the two interior columns be moved towards the stage the width of one row of seats; that a pair of exit doors be provided in the gallery exit on the ground floor on the west side of building, leading to the hallway in the front building, and stairs modified to provide clear passage to street; and that the main entrance to the theatre on Houston st. be made not less than twenty-five (25) feet wide, and that the exit doors originally shown on Chrystie st. be maintained; and further, that the last row of seats on the easterly and westerly sections of the balcony of the theatre be omitted, and that there shall be at least seven (7) feet between the last row of seats and the stairs in the gallery of the theatre.

Appeal 210 of 1911, Fireproof Shutter Case 36 of 1911, premises 451-453 W. 28th st., Manhattan, John H. Potterton, appellant. Referred to Chief Kenlon for examination and report. Adjourned.

EDWARD V. BARTON, Clerk.

Minutes of Meeting Held November 21, 1911.

Present—Messrs. Charles G. Smith, William A. Boring, William Crawford, John P. Leo, John Kenlon, Lewis Harding and George A. Just, Chairman.

Meeting called to order at 2 P. M. Minutes approved as read.

Mr. Just excused.

Mr. Harding was designated as Acting Chairman.

Appeal 210 of 1911, Fireproof Shutter Case 36, report from Chief Kenlon dated

the 20th inst. presented and read. Report received, its recommendations adopted, and appeal approved.

Appeal 211 of 1911, New Building 464 of 1911, premises northside of E. 55th st., 264 feet west of Avenue A, Manhattan, A. G. Koenig, appellant. Appearance: Mr. Koenig. Entered on the record as withdrawn by appellant.

Appeal 212 of 1911, Alteration 2900 of 1911, premises 80 W. 40th st., Manhattan, Charles A. Rich, appellant. Appearance: Messrs. Rich and Anderson. Entered on the record as withdrawn by appellant.

Appeal 213 of 1911, New Building 7845 of 1911, premises south side of Union st., 80 feet west of Brooklyn ave., Brooklyn, Constantine Schubert, appellant. Appearance: Mr. Schubert. Approved.

Appeal 214 of 1911, New Building 692 of 1911, premises southwest corner of 26th st. and 4th ave., Manhattan, Messrs. Neville and Bagge, appellants. Appearance: Mr. Neville. Laid over.

Appeal 215 of 1911, New Building 379 of 1911, premises south side of 37th st., 308 feet 2 inches west of 5th ave., Manhattan, Messrs. George and Edward Blum, appellants. Appearance: Messrs. Blum and Sternfeld. Laid over.

Letter from Comptroller, dated 16th inst., in release of offices for 1912, presented and read. Letter referred to the Clerk with instructions; matter on the lease to be put on calendar for next meeting. Adjourned.

EDWARD V. BARTON, Clerk.

Minutes of Meeting Held November 28, 1911.

Present—Messrs. Charles G. Smith, William A. Boring, William Crawford, John P. Leo, John Kenlon, Lewis Harding and George A. Just, Chairman.

Meeting called to order at 2 P. M. Minutes approved as read.

Mr. Just excused.

Mr. Harding was designated as Acting Chairman.

Appeal 214 (laid over at last meeting). Appearance: Messrs. Neville and Hess. Entered on the record as withdrawn by appellant.

Appeal 215 (laid over at last meeting). Appearance: Messrs. Blum and Sternfeld. Approved on condition that the Pest House shall not be used for any other purpose than that stated in the appeal, and that the floor be made fireproof.

Appeal 216 of 1911, New Building 520 of 1911, premises 216 to 232 W. 44th st., Manhattan, W. Albert Swasey, appellant. Appearance: Mr. Swasey. Approved.

Appeal 217 of 1911, New Building 464 of 1911, premises north side E. 55th st., 264 feet west of Avenue A, Manhattan, Adolph G. Koenig, appellant. Appearance: Mr. W. M. Mortensen. Approved.

Appeal 218 of 1911, New Building 355 of 1911, premises 1 and 3 W. 37th st., Manhattan, Messrs. Foster, Gade and Graham, appellants. Appearance: Mr. A. B. Proctor. Approved.

Appeal 219 of 1911, Alteration 7917 of 1911, premises northeast corner Crosey ave. and Bay 22d st., Brooklyn, Charles S. Haviland, appellant. Appearance: Messrs. Haviland and Josephs. Laid over.

Appeal 220 of 1911, New Building 518 of 1911, premises 297 3d ave., Manhattan, Robert E. Rogers, appellant. Entered on the record as withdrawn by appellant.

Matter of lease for 1912. Letters from the Comptroller and the Renting Agent of the Metropolitan Building and ordered on file, the Clerk instructed to reply.

On motion, Resolved: That the Chairman and Clerk be empowered to take such steps as may be necessary to secure the renewal of the lease of the offices occupied by this Board for one year from January 1, 1912, at the present rate of \$1,600 per annum.

Three letters from the Prison Department, dated November 23, 24 and 27, 1911, received.

Letter from Superintendent of Buildings, Manhattan, in re Appeal 195 of 1911, received. Adjourned.

EDWARD V. BARTON, Clerk.

BOROUGH OF MANHATTAN.

Report for the Year 1910.

November 29, 1911.

Hon. WILLIAM J. GAYNOR, Mayor, New York City:

Sir—In accordance with the provisions of section 1544 and section 383 of the Charter, I transmit herewith the reports of the various bureaus under my jurisdiction for the year ending December 31, 1910.

The report of the Bureau of Buildings, prepared by Superintendent Rudolph P. Miller, is a distinct departure from the established custom of confining the report to departmental statistics. Mr. Miller has not only given an exact report of the work done by his bureau, but has carefully analyzed many of its details, and has drawn interesting deductions as to the general tendency of building operations in the Borough of Manhattan, which have attracted the favorable comment of all the most responsible trade journals. I commend this report especially to your careful consideration.

Yours respectfully,

GEORGE MCANENY, President, Borough of Manhattan.

REPORT OF BUREAU OF BUILDINGS.

Hon. GEORGE McANENY, President of the Borough of Manhattan:

Dear Sir—In submitting herewith the annual report of the operations of this Bureau for the year 1910, I am departing from the usual custom of filing merely a statistical statement of the number of applications for building operations and their estimated cost, the number of notices of various kinds that were filed and the disposition of same, number of inspections, etc. Much of the work done by this Bureau has more than a passing interest and the results should be made a matter of permanent record, available to the public. That this is true is shown by the reception accorded the annual reports for 1904 and 1905, which reports are the only ones, as far back as I have any knowledge (more than fifteen years), containing anything but statistical statements. At the time of the publication of the report of 1904, one of the architectural journals was led to comment that it was the first time that the report of the Bureau of Buildings contained information worth retaining. This is further supported by the fact that there is a continuous demand for copies of the reports of 1904 and 1905, while requests for reports of other years are extremely rare.

The magnitude of the operations of this Bureau, when taken collectively and the diversified activities are probably not generally appreciated. In the year 1910, which was not by any means a particularly active year, the estimated cost of building operations submitted to this Bureau for approval was approximately \$109,000,000.

Among great undertakings, the construction of the Panama Canal stands pre-eminent. Its estimated cost, including purchase price, is said to be \$375,000,000; but the execution of the work will probably extend over a period of at least ten years, making the average annual cost of the work less than \$40,000,000, not much more than one-third of the cost of the building operations in Manhattan for 1910.

The new water supply system for New York City, now in course of construction, is undoubtedly a large and important undertaking. The cost is estimated above \$200,000,000. This work will, when completed, have consumed probably ten years, making the average annual expenditure about \$20,000,000, or less than one-fifth of the estimated cost of building operations in Manhattan for 1910.

It might be pointed out in this connection also that in each of these two cases cited, the efforts of the administrative force are all toward one definitely planned result. All details and all questions presenting themselves in connection with these undertakings, must subordinate themselves to the one main idea. In the case of the operations coming under the supervision of the Bureau of Buildings, approximately 4,000 separate and, to a very large extent, different ends are sought, raising innumerable questions that are not covered by law and that for their solution require careful consideration, much time and attention.

Building Operations.

In more detail, the building operations for the year 1910, as submitted to this Bureau for approval, were as follows:

	Applica- tions.	Number of Buildings.	Estimated Cost.
New buildings	778	838	\$96,703,029 00
Alterations	2,989	3,367	11,940,066 00
Total	3,767	4,205	\$108,643,095 00
Minor alterations (slip applications)	3,781	.....	473,443 00
Total			\$109,116,538 00

Compared with the operations for 1909, there was a falling off in the amount of work presented for approval as follows:

Decrease in the number of new building applications, 11 per cent.

Decrease in the number of alterations, 1 per cent.

Decrease in estimated cost of new buildings, 26 per cent.

Decrease in estimated cost of alterations, 9 per cent.

Minor alterations, such as erection of show windows, interior partitions, etc., show an increase of over 2 per cent.

In Table 1, compiled by Mr. William H. Class, late Chief Clerk of this Bureau, whose death occurred early in 1910 after an unbroken term of 45 years of faithful service, a complete resume of the building operations previous to 1910 is given. This record covers the entire period of the existence of the Department or Bureau with the exception of the first six years. Up to 1898 the record is for the entire City of New York, including such portions of the present Borough of The Bronx which were annexed from time to time. For the years 1898 to 1901, inclusive, the record is for the Boroughs of Manhattan and The Bronx, this being the period when one of the three Commissioners constituting the "Building Department" under the Greater New York Charter had jurisdiction over these Boroughs. Since 1902, when separate Bureaus of Buildings, subject to the Borough Presidents, were organized for each Borough, the record is for Manhattan alone.

TABLE 1.

Building Record, 1868-1910.

Year.	New Buildings.		Alterations.		Grand Total. New Buildings and Alterations.	
	No.	Cost.	No.	Cost.	No.	Cost.
1868.....	2,014	\$34,517,682 00	.....	\$2,168,045 00	2,014	\$36,685,727 00
1869.....	2,348	40,352,058 00	.....	4,228,174 00	2,348	44,580,232 00
1870.....	2,351	34,668,998 00	.....	2,816,234 00	2,351	37,485,232 00
1871.....	2,782	42,585,391 00	.....	4,351,981 00	2,782	46,937,372 00
1872.....	1,728	27,884,870 00	1,318	2,788,379 00	3,056	30,673,249 00
1873.....	1,311	24,936,535 00	1,311	3,496,995 00	2,622	28,433,530 00
1874.....	1,388	16,667,417 00	1,429	3,532,147 00	2,817	20,199,564 00
1875.....	1,406	18,226,870 00	1,258	3,200,438 00	2,664	21,427,308 00
1876.....	1,379	15,903,880 00	1,177	3,635,478 00	2,556	19,539,353 00
1877.....	1,432	13,365,114 00	1,308	3,215,125 00	2,740	16,580,239 00
1878.....	1,672	15,219,680 00	1,209	2,621,046 00	2,881	17,840,726 00
1879.....	2,065	22,567,322 00	1,373	3,300,110 00	3,438	25,867,432 00
1880.....	2,252	29,115,335 00	1,352	3,862,111 00	3,604	32,977,446 00
1881.....	2,682	43,391,300 00	1,497	4,142,070 00	4,179	47,533,370 00
1882.....	2,577	44,793,186 00	1,691	4,267,181 00	4,268	49,060,367 00
1883.....	2,623	44,304,638 00	1,870	4,540,436 00	4,493	48,845,074 00
1884.....	2,897	41,480,208 00	2,460	4,659,532 00	5,357	46,139,740 00
1885.....	3,368	45,374,013 00	2,506	7,594,825 00	5,874	52,968,838 00
1886.....	4,092	58,739,733 00	2,621	5,909,314 00	6,713	64,649,047 00
1887.....	4,344	67,069,570 00	2,287	6,397,985 00	6,631	73,467,555 00
1888.....	3,081	47,289,145 00	2,475	7,395,960 00	5,556	54,685,105 00
1889.....	4,207	69,504,872 00	2,515	6,407,944 00	6,722	75,912,816 00
1890.....	3,538	75,099,812 00	2,422	7,215,975 00	5,960	82,315,787 00
1891.....	2,817	56,156,631 00	2,388	7,457,131 00	5,205	63,613,762 00
1892.....	3,001	59,273,679 00	2,104	7,413,713 00	5,105	66,687,392 00
1893.....	2,275	54,859,318 00	2,107	6,942,967 00	4,382	61,802,285 00
1894.....	2,614	51,673,997 00	1,899	4,888,610 00	4,513	56,562,607 00
1895.....	3,870	85,528,017 00	2,202	6,998,202 00	6,072	92,526,219 00
1896.....	3,144	73,781,945 00	2,345	6,575,882 00	5,489	80,357,827 00
1897.....	3,554	86,456,664 00	1,808	7,582,323 00	5,362	94,038,987 00
1898.....	3,592	72,887,146 00	2,308	5,597,481 00	5,900	78,484,627 00
1899.....	4,934	129,250,376 00	3,354	7,191,934 00	8,288	136,442,310 00
1900.....	2,032	58,123,253 00	2,912	7,002,685 00	4,944	65,125,938 00
1901.....	2,551	122,176,640 00	3,043	10,944,766 00	5,594	133,121,406 00
1902.....	860	80,384,375 00	2,017	9,498,403 00	2,877	89,882,778 00
1903.....	1,038	75,104,200 00	2,268	11,398,031 00	3,306	86,502,231 00
1904.....	1,423	75,267,780 00	2,390	8,904,405 00	3,813	84,172,185 00

Year.	New Buildings.		Alterations.		Grand Total. New Buildings and Alterations.	
	No.	Cost.	No.	Cost.	No.	Cost.
1905.....	2,572	124,746,552 00	4,469	14,105,720 00	7,041	138,852,272 00
1906.....	1,621	107,977,515 00	3,961	18,098,050 00	5,582	126,075,565 00
1907.....	948	74,939,900 00	3,854	16,783,899 00	4,802	91,723,799 00
1908.....	659	84,976,576 00	2,839	10,539,751 00	3,498	95,516,327 00
1909.....	995	131,246,483 00	3,578	13,085,729 00	4,573	144,332,212 00
1910.....	838	96,703,029 00	3,367	11,940,066 00	4,205	108,643,095 00

Grand total
for 43 years 102,875 \$2,574,571,515 00 89,292 \$294,697,233 00 192,167 \$2,869,268,748 00

The building operations of Manhattan for 1910, based on estimated cost, exceeded those of the other four Boroughs combined by about four per cent., and those of the Tenement House Department for the entire city by about thirty-eight per cent., as appears from the following statement:

Estimated Cost of Building Operations for 1910.

	New Buildings.	Alterations.	Total.
Manhattan	\$96,703,029 00	\$11,940,066 00	\$108,643,095 00
The Bronx	\$44,034,405 00	\$1,398,125 00	\$45,432,530 00
Brooklyn	\$4,813,720 00	\$4,419,378 00	\$9,233,098 00
Queens	\$15,044,377 00	\$895,804 00	\$15,940,181 00
Richmond	\$3,363,868 00	\$409,757 00	\$3,773,625 00
Four Boroughs	\$97,256,370 00	\$7,123,064 00	\$104,379,434 00
Tenement House Department (all Bor- oughs)	\$76,216,600 00	\$2,396,287 00	\$78,612,887 00

A comparison of the Boroughs as to number of buildings to be erected or altered, as indicated in the following statement, shows that the number of new buildings in each of the other Boroughs exceeds that in Manhattan about seventy-five per cent. for Richmond to about six hundred per cent. for Brooklyn. Of the total number of new buildings erected in New York City only about six and three-tenths per cent. are in Manhattan, although the cost of new buildings in Manhattan is practically equal to that of all the new buildings in the rest of the city.

Of the new buildings to be erected in Manhattan, 217, or twenty-six per cent., are tenement houses. Of the total number of new buildings to be erected in New York City, about fourteen and six-tenths per cent. are tenement houses, of which about one-ninth is in Manhattan (about one and six-tenths per cent. of whole number).

This statement also indicates, to some extent, the greater activity of reconstruction or alteration in the Boroughs of Brooklyn and Manhattan.

Borough.	New Buildings.		Alterations.	
	Total Number.	Tene- ments.	Total Number.	Tene- ments.
Manhattan	838	217	3,367	2,088
The Bronx	2,028	964	646	179
Brooklyn	5,770	561	4,122	1,081
Queens	4,133	203	1,214	76
Richmond	1,455	1	433	26
Total	14,224	1,946	9,782	3,450

As indicating the sections of the Borough in which building activities were greatest during 1910, Table 2 shows the number of new building and alteration operations commenced, the number completed during the year and the number in progress at the close of the year. In considering this table, it must be understood that the operations started or completed during the year are not only not necessarily the same operations, but also that many of them represent plans approved and permits issued in years prior to 1910.

From this table, it appears that the greatest activity was in that part of the city lying between Houston and 59th streets, a section which is rapidly changing into a business district both by the erection of new structures and the alteration and conversion of old ones. Another section in which much new building is going on is that above 110th street, west of 8th avenue. As this is a residence section, it seems probable by comparison with the statement above that fifty per cent. of the new tenements of Manhattan are being erected in this district.

TABLE 2.

Building Operations Commenced and Completed During 1910 and in Progress at the Close of 1910.

Location.	New Buildings.			Alterations.		
	Com- menced.	Com- pleted.	In Progress.	Com- menced.	Com- pleted.	In Progress.
South of Chambers street.....	16	11	15	140	121	35
Between Chambers and Hous- ton streets	80	81	40	514	515	84
Between Houston and 23d streets	118	81	73	642	580	156
Between 23d and 59th streets..	171	121	150	944	870	275
Between 59th and 110th streets, east of 5th avenue.....	61	74	49	373	364	71
Between 59th and 110th streets, west of 5th avenue.....	70	77	43	234	236	42
Between 110th street and Har- lem River, east of 8th avenue	43	37	24	235	214	42
Between 110th street and Har- lem River, west of 8th avenue	159	176	110	120	123	13
Totals.....	718	658	504	3,202	3,023	718

In Tables 3 and 4 is given a record of the new building and alteration operations for 1910, classified according to the purposes of the building. It is interesting to note that in Manhattan the number of new places of amusement (40) was almost the same as that for new private dwellings (43).

TABLE 3.

Plans and Specifications for New Buildings Filed and Acted Upon During the Year Ending December 31, 1910.

Classification.	Number of Plans.	Number of Buildings.	Estimated Cost.
Dwelling houses, estimated cost, over \$50,000....	7	7	\$1,070,000 00
Dwelling houses, estimated cost, between \$20,000 and \$50,000	16	19	750,000 00
Dwelling houses, estimated cost, under \$20,000..	15	17	136,300 00
Tenement houses	178	208	36,923,000 00
Hotels	7	7	955,000 00
Stores, lofts, etc., estimated cost over \$30,000....	145	149	29,466,000 00

Classification.	Number of Plans.	Number of Buildings.	Estimated Cost.
Stores, lofts, etc., estimated cost, between \$15,000 and \$30,000	37	38	799,000 00
Stores, lofts, etc., estimated cost, under \$15,000	43	43	269,700 00
Office buildings	44	44	12,390,600 00
Manufactories and workshops	33	33	2,206,900 00
Schoolhouses	11	11	2,407,000 00
Churches	10	11	1,640,000 00
Public buildings, municipal	6	8	3,158,000 00
Public buildings, places of amusement, etc.	38	40	2,652,100 00
Stables	59	60	1,469,720 00
Other structures	129	143	409,709 00
Total	788	838	\$96,703,029 00

TABLE 4.
Plans and Specifications for Alterations to Buildings Filed and Acted Upon During the Year Ending December 31, 1910.

Classification.	Number of Plans.	Number of Buildings.	Estimated Cost.
Dwelling houses	492	558	\$1,625,896 00
Tenements	1,163	1,354	1,881,603 00
Hotels	79	84	663,440 00
Stores, lofts, etc.	595	664	3,188,498 00
Office buildings	175	187	1,485,320 00
Manufactories and workshops	106	113	557,325 00
Schoolhouses	20	21	88,400 00
Churches	24	25	225,550 00
Public buildings, municipal	6	6	52,300 00
Public buildings, places of amusement, etc.	203	223	1,678,705 00
Stables	110	116	487,928 00
Other sources	16	16	5,101 00
Total	2,989	3,367	\$11,940,066 00

Table 5 shows the applications for new buildings and alterations filed during 1910 by months. From this it appears that almost one-half of the work of the year is filed in the spring months.

Month	New Buildings.		Alterations.	
	Number.	Estimated Cost.	Number.	Estimated Cost.
January	57	\$6,586,400 00	162	\$695,070 00
February	47	6,941,900 00	216	691,035 00
March	88	13,324,270 00	282	902,851 00
April	107	14,731,400 00	355	1,159,911 00
May	105	11,482,925 00	357	1,896,001 00
June	68	9,379,050 00	339	1,628,405 00
July	68	5,801,975 00	295	1,198,800 00
August	54	7,084,435 00	236	1,021,833 00
September	46	5,229,450 00	175	835,890 00
October	55	6,836,575 00	191	487,876 00
November	35	3,144,865 00	183	406,201 00
December	48	6,159,784 00	198	1,016,193 00
Total	778	\$96,703,029 00	2,989	\$11,940,066 00

Character of Construction.

As to the character of new building construction in Manhattan, there seems to be an impression, as intimated in a newspaper editorial shortly after the fatal factory fire in Newark last November, that a majority of the buildings erected annually under the Building Code are of ordinary, that is, non-fireproof, construction. The analysis of the permits issued during 1910 for new buildings in Manhattan, as given in Tables 6, 7, 8, 9 and 10, will show that this impression is not fully justified as far as this Borough is concerned.

From the summary (Table 6), it will be noted that of 805 new buildings to be erected, 250, or thirty-one per cent., were to be constructed fireproof. This fact by itself would, of course, not bear out the contention just made. But it must be remembered that the buildings which are being constructed fireproof, almost always cover a larger ground area and go to greater heights than the buildings of ordinary construction. The tendency, in this Borough, on account of high land values, is to erect larger buildings; so a fairer comparison would be on the basis of ground area covered.

From the same table we see that of the ground area to be covered by new buildings, for which permits were registered in 1910, nearly one-half, more accurately, forty-eight and three-tenths per cent., is to be covered with fireproof buildings.

The comparison is carried further in this table to show that if the entire floor area of the proposed new buildings is considered, sixty-eight per cent. of the total is to be of fireproof construction, and the estimated cost of such fireproof construction is seventy-seven and one-tenth per cent. of the estimated cost of all proposed new building operations.

The table further shows that the amount of frame construction (practically limited to dwellings) in Manhattan is virtually nil, and is entirely confined to the extreme northern end of the Borough.

In the other tables (6 to 10), a further analysis of these facts is attempted. These tables show the percentage of fireproof and ordinary construction in different sections of the city, considered from four standpoints: (a) Number of new buildings, (b) ground area covered, (c) floor area to be provided, (d) estimated cost.

The districts considered are numbered 12 to 21, inclusive, and are the Local Board districts into which the Borough is divided by the Greater New York Charter, shown on the map and roughly described as follows:

TABLE 6.

Showing Character of Construction in Manhattan as Proposed in 1910.

Class of Construction.	Number of Buildings.	Per cent.	Ground Area.		Floor Area.		Estimated Cost.	Per cent.
			Number of Square Feet.	Per cent.	Number of Square Feet.	Per cent.		
Fireproof	250	31.0	1,973,000	48.3	19,128,300	68.0	\$72,874,000 00	77.1
Ordinary	413	51.3	1,907,300	46.7	8,766,200	31.2	21,335,800 00	22.6
Miscellaneous	136	16.9	172,800	4.2	201,000	0.7	254,700 00	0.3
Frame	6	0.8	30,300	0.8	33,200	0.1	11,200 00	0.0
Totals	805	100.0	4,083,400	100.0	28,128,700	100.0	\$94,475,700 00	100.0

TABLE 7.

Showing Character of Construction in 1910 in Various Districts of Manhattan.

(Percentages.)

District No.	Number of Buildings.			Ground Area.			Floor Area.			Cost.		
	Fire-proof.	Ordinary.	Miscellaneous.	Fire-proof.	Ordinary.	Miscellaneous.	Fire-proof.	Ordinary.	Miscellaneous.	Fire-proof.	Ordinary.	Miscellaneous.
District No. 12	0.5	4.2	1.7	0.4	1.9	0.2	0.3	1.4	0.02	0.4	0.8	0.01
District No. 13	1.1	2.9	3.5	1.3	1.4	0.1	1.2	1.0	0.02	1.9	0.7	0.12
District No. 14	5.0	7.1	1.9	7.1	4.4	0.2	9.9	2.7	0.04	11.2	1.8	0.01
District No. 15	1.2	2.6	1.6	2.4	2.0	0.1	2.7	1.0	0.02	4.7	0.8	0.02
District No. 16	1.2	2.6	1.5	2.1	2.0	0.3	2.6	1.0	0.04	2.1	0.3	0.03
District No. 17	0.4	1.6	0.2	0.8	1.6	0.2	0.4	1.0	0.05	0.5	0.6	....
District No. 18	14.7	6.8	0.4	20.6	3.9	....	33.2	2.6	....	36.1	2.4	....
District No. 19	5.8	3.7	1.5	10.3	4.3	0.5	13.8	1.9	0.10	17.2	1.5	0.02
District No. 20	0.9	16.2	1.9	2.6	21.3	1.3	3.0	16.7	0.22	2.3	12.6	0.07
District No. 21	0.2	3.6	2.7	0.7	3.9	1.3	0.9	1.9	0.19	0.7	1.1	0.02
Total	31.0	51.3	16.9	48.3	46.7	4.2	68.0	31.2	0.70	77.1	22.6	0.30

Note—Percentages given are for each class in each district as compared with all classes in all districts.

Frame construction is all in District No. 20, and amounts to 0.8 per cent. of the number of buildings; 0.8 per cent. of the ground area, and 0.1 per cent. of the floor area.

TABLE 8.

Showing Character of Construction in Manhattan by Districts, as Proposed in 1910.

District No.	Number of Buildings.	Ground Area, Square Feet.	Floor Area, Square Feet.	Estimated Cost.	Percentages.								
					Number of Buildings.			Ground Area.			Floor Area.		
					Fire-proof.	Ordinary.	Miscellaneous.	Fire-proof.	Ordinary.	Miscellaneous.	Fire-proof.	Ordinary.	Miscellaneous.
District No. 12	52	99,450	493,850	\$1,127,850	7.7	65.3	27.0	14.6	79.0	6.4	19.5	79.2	1.3
District No. 13	60	113,430	610,750	2,462,010	15.0	38.4	46.6	45.3	50.5	4.2	52.1	47.1	0.8
District No. 14	112	476,900	3,555,550	12,450,620	35.5	51.0	13.5	60.8	37.2	2.0	78.3	21.4	0.3
District No. 15	44	185,150	1,050,150	5,234,700	22.7	47.6	29.7	53.0	44.2	2.8	72.2	27.2	0.6
District No. 16	43	178,940	1,029,950	2,265,875	23.2	48.7	28.1	48.8	44.8	6.4	72.8	26.1	1.1
District No. 17	18	106,600	394,850	985,700	16.6	72.3	11.1	31.4	61.9	6.7	28.4	68.0	3.6
District No. 18	176	999,130	10,080,100	36,402,250	67.0	31.2	1.8	84.2	15.7	0.1	92.6	7.4	....
District No. 19	89	617,770	4,443,600	17,666,175	52.7	33.7	13.6	68.0	28.6	3.4	87.4	12.0	0.6
District No. 20	158	1,063,040	5,619,300	14,190,965	4.4	82.3	*9.5	10.0	82.2	*5.0	14.9	83.4	*1.1
District No. 21	53	243,030	850,600	1,689,575	3.8	54.6	41.6	12.3	65.7	22.0	29.4	64.2	6.4
Total	805	4,083,440	28,128,700	\$94,475,720	Totals.								

Foot Note—Percentages given are for each class in each district as compared with all classes in each district.

*Frame construction is all in District No. 20, and amounts to 3.8 per cent. of the number of buildings, 2.8 per cent. of the ground area, 0.6 per cent. of the floor area, and 0.1 per cent. of the estimated cost.

TABLE 9.
Fireproof Construction in Manhattan for 1910.

	Num- ber of Build- ings.	Total Ground Area.	Total Floor Area.	Estimated Cost.	Per Cent. Num- ber of Build- ings.	Per Cent. Ground Area.	Per Cent. Floor Area.	Per Cent. Cost.
District No. 12..	4	14,500	96,450	\$370,000	1.6	0.8	0.5	0.5
District No. 13..	9	51,400	319,450	1,750,000	3.6	2.6	1.7	2.4
District No. 14..	40	290,280	2,781,650	10,700,000	16.0	14.7	14.5	14.7
District No. 15..	10	98,150	758,500	4,480,000	4.0	5.0	4.0	6.1
District No. 16..	10	87,250	749,450	1,975,000	4.0	4.4	3.9	2.7
District No. 17..	3	33,450	111,950	430,000	1.2	1.7	0.6	0.6
District No. 18..	118	841,320	9,339,850	34,100,000	47.2	42.5	48.8	46.8
District No. 19..	47	420,470	3,884,500	16,220,000	18.8	21.3	20.3	22.3
District No. 20..	7	106,340	837,100	2,210,000	2.8	5.4	4.4	3.0
District No. 21..	2	29,880	250,400	639,000	0.8	1.5	1.3	0.9
Total.....	250	1,973,040	19,128,300	\$72,874,000	100.0	100.0	100.0	100.0

TABLE 10.
Ordinary Construction in Manhattan for 1910.

	Num- ber of Build- ings.	Total Ground Area, Square Feet.	Total Floor Area, Square Feet.	Estimated Cost.	Per Cent. Num- ber of Build- ings.	Per Cent. Ground Area.	Per Cent. Floor Area.	Per Cent. Cost.
District No. 12..	34	78,500	390,750	\$749,800	8.2	4.1	4.4	3.5
District No. 13..	23	57,350	287,450	614,600	5.7	3.1	3.3	2.9
District No. 14..	57	177,170	762,450	1,738,120	13.8	9.3	8.7	8.1
District No. 15..	21	81,950	285,200	734,800	5.1	4.3	3.2	3.5
District No. 16..	21	80,140	268,950	264,900	5.1	4.2	3.1	1.2
District No. 17..	13	65,950	268,750	553,500	3.1	3.5	3.1	2.6
District No. 18..	55	157,260	739,700	2,300,800	13.3	8.3	8.4	10.8
District No. 19..	30	176,300	530,900	1,434,200	7.2	9.2	6.2	6.7
District No. 20..	130	872,850	4,686,300	11,914,300	31.5	45.7	53.4	55.9
District No. 21..	29	159,800	545,750	1,030,800	7.0	8.3	6.2	4.8
Total.....	413	1,907,270	8,766,200	\$21,335,820	100.0	100.0	100.0	100.0

Number 12, known as Corlears Hook District, lying east of William street, Park row, Chrystie street and south of Stanton street.

Number 13, known as the Bowery District, lying north of Stanton street, west of Chrystie street, north of Pearl street, east of Broadway and south of East 10th street.

Number 14, known as Greenwich District, lying west of William street, and Broadway, south of West 3d street, west of 7th avenue and south of West 30th street.

Number 15, known as Kips Bay District, lying north of East 10th street, east of Lexington avenue, south of East 56th street, including Blackwells Island.

Number 16, known as Hudson District, lying north of West 30th street, west of 8th avenue, south of West 66th street.

Number 17, known as Yorkville District, lying north of East 56th street, east of Lexington avenue, south of East 90th street.

Number 18, known as Murray Hill District, lying north of West 3d street, west of Lexington avenue, south of 96th street and east of 8th avenue.

Number 19, known as Riverside District, lying north of West 66th street, west of 8th avenue and St. Nicholas avenue and south of West 133d street.

Number 20, known as Washington Heights District, north of 110th street, St. Nicholas avenue, West 133d street and west of 5th avenue.

Number 21, known as Harlem District, lying north of East 92d street and east of 5th avenue.

It has already been pointed out that the greatest building activity is in the section of the City lying between Houston and 59th streets. From Table 8 it would also seem that in this section (see Districts 18 and 19) most of the proposed new buildings are to be fireproof. Thus, in District No. 18, 67 per cent. are to be fireproof, and these are to cover 84 2-10 per cent. of the ground area at an estimated cost of 93 6-10 per cent. of the total proposed expenditure for new buildings in that district. Again, in Table 9, it appears that in District No. 18 nearly half of the fireproof construction of Manhattan is to be carried on.

Demolitions.

For the removal of existing buildings, to make room for new buildings or otherwise, a demolition permit is required. In issuing such permit, an endeavor is made to restrict the work of demolition to reliable contractors, as contemplated by the Building Code. This was found necessary some years ago on account of the careless and often dangerous manner in which old buildings were taken down. During 1910, 456 demolition permits were issued in Manhattan for the removal of 1,072 buildings. These permits were issued to 106 different contractors, of whom 10, who make this work a specialty, did about 50 per cent. of the work; that is, of the 456 permits issued, 240, representing 515 buildings, went to these 10 contractors.

Examination of Plans.

In the examination of applications for new buildings, alterations or repairs, prompt action is the aim of the Bureau. Immediate decision cannot be secured because of the time consumed in the clerical work of docketing, indexing and marking of papers and plans for identification, and in the technical examination of the plans and specifications by the Engineers. Furthermore, in the case of all applications for alterations and repairs, and in most applications for new buildings, reports must be secured from the Inspector of the condition of the existing structure or party walls to be used, thickness of walls, character of soil, etc.

Past experience shows that the average time from date of filing an application to the first action is five days. It is the present practice to ask for an explanation of delay when such action is not secured within a week. During the busy season in the early part of 1910, there was considerable delay in the matter and more or less complaint. The reasons for the delay were disorganization and demoralization of the Engineering Division caused by some necessary changes in the personnel, and a lack of competent assistants, because of the inability of the Civil Service Commission to supply the required help and the difficulty of getting good men to accept temporary appointments.

Modification of Law.

Under the Charter, the Superintendent of Buildings is vested with considerable discretionary power in the enforcement of the law. It has been the policy and practice of this Bureau under the present administration to exercise that power only in such cases where the intent of the law was in doubt, but in no case where the provisions are specific. In the exercise of such discretion and the granting of modifications of the law or regulations, the conditions prescribed in the Charter have been strictly followed. Section 410 provides that

"Each superintendent of buildings shall have power, with the approval of the president of the borough * * * to vary or modify any rule or regulation of the president of the borough or the provisions of this chapter or of any existing law or ordinance relating to the construction, alteration or removal of any building or structure erected or to be erected within his jurisdiction upon an application to him therefor in writing * * * where there are practical difficulties in the way of carrying out the strict letter of the law, so that the spirit of the law shall be observed and

Note.—The discrepancy between the total figures for number of buildings and estimated cost given in these tables and those showing applications for new buildings (Table 3) is due to the fact that in the preparation of these tables such applications as were withdrawn and replaced with new ones for the same location were not considered.

Note.—The term, "Miscellaneous Buildings," includes coal pockets, open sheds, outhouses, temporary structures, circus tents, etc.

public safety secured and substantial justice done. * * * The particulars of each such application and of the decision thereon shall be entered upon the records of the building department of such borough, and if the application is granted a certificate therefor, together with a statement of the reasons for such decision, shall be issued by the officer to whom the application is made and shall be countersigned by the president of the borough."

Heretofore these provisions have not been observed. But since January, 1910, the particulars in each case and the reasons for the modifications have been recorded and approved by the President of the Borough. The original modification has been made a part of the record in each case and a copy has been issued to the applicant.

During 1910, 172 modifications have been granted covering 15 sections of the Building Code, 5 sections of Plumbing and Drainage Regulations and 1 section of the Elevator Regulations. It will be noted that the same modification is granted in numerous cases, and it would seem that a general rule could be made, but the Charter requires that a record shall be made in each individual case.

Bulletins.

In order to keep the building public informed on all matters affecting their interests, the publication of bulletins was introduced early in 1910. These bulletins include all special orders, rules and interpretations made by the Superintendent and all modifications granted by the Superintendent and approved by the Borough President. While the Bureau itself has not printed these for distribution, the real estate and building journals have assisted very generously in making them public. The value of this information to the architects, builders and others interested can be readily seen. Heretofore, the information contained in these bulletins would reach those interested only by mere chance, and then, in several cases that have been reported, architects have complained of discrimination simply because they did not have knowledge of the practice and rulings of the Bureau. From the favorable reception accorded them, it would seem that these bulletins are of sufficient value to justify their issuance in printed form by the City for general distribution, similar to that by which the legislative bills are sent to those interested. No doubt sufficient architects, builders and others would subscribe to such an agency to make it worth while.

The bulletins for 1910, with an index to the same, are given complete in Appendix "A."

Board of Examiners.

The Board of Examiners, as constituted under section 411 of the Charter, though no longer an integral part of the Bureau of Buildings, is nevertheless very closely allied with the work of the Bureau. So far as it is subject to any municipal authority, it is responsible to the Mayor, and to him this Board makes its annual report.

Appeals to this Board from adverse decisions of the Superintendent of Buildings for Manhattan, during 1910, have been as follows:

Appeals in Case of New Buildings.	
Granted	45
Dismissed	6
Disapproved	9
Withdrawn	12
	72

Appeals in Case of Alterations.

Granted	25
Dismissed	3
Disapproved	4
Withdrawn	5
	37

Total appeals to Board of Examiners..... 109

Activities of the Bureau.

A comparative statement of the activities of this Bureau for the years 1909 and 1910 (Table 11) shows that while the number of applications for new buildings and alterations has decreased by 10 per cent. and the estimated cost of the proposed operations has fallen off nearly 25 per cent., the number of inspections, the number of reports on violations, fire escapes and unsafe buildings, in fact, the activities of the Bureau generally, have very materially increased. Judging not only from this comparative statement, but also from observation generally during the year, the conclusion is fully justified that the inspection force has been much more attentive to its duties than in previous years, that the building operations have been more carefully and more systematically inspected and that less violations have been overlooked.

With the same force of Elevator Inspectors, the number of elevator examinations in 1910 was nearly 10 per cent. more than 1909, and the number of defects reported and remedied in 1910 was more than double that of 1909.

Inspections of iron and steel, although the operations themselves have fallen off, have increased from 279,000 pieces in 1909 to 421,000 in 1910.

It is not necessary to go through the entire table, or to discuss any items in more detail, but attention is called to these striking facts as justifying the conclusion above drawn.

TABLE 11.
Statement of Activities for 1909 and 1910.

	1910.	1909.
Applications for new buildings.....	778	871
Applications for alterations.....	2,989	3,016
Slip applications	3,781	3,692
Estimated cost, new buildings.....	\$96,703,029 00	\$131,246,483 00
Estimated cost, alterations	11,940,066 00	13,085,729 00
Estimated cost, slip applications.....	447,443 00	.....
New buildings commenced.....	718	704
New buildings completed.....	658	665
New buildings in progress December 31.....	504	444
Alterations commenced	3,202	2,633
Alterations completed	3,023	2,726
Alterations in progress December 31.....	718	539
Number of inspections by Construction Inspectors....	153,614	119,049
Number of pieces of iron and steel inspected and reported on	421,779	279,206
Number of inspections by Elevator Inspectors.....	18,295	16,707
Number of inspections by Plumbing Inspectors.....	52,985	33,353
Number of inspections made and approvals issued under section 31-B of Liquor Tax Law.....	24	21
Violation cases reported.....	6,137	3,346
Unsafe buildings reported	2,341	1,864
Fire escape orders filed.....	872	496
Additional complaints investigated.....	5,580	5,840

Violations of Law.

During the year 1910, 6,137 violations, not including violations of the regulations governing elevators, were reported, and in connection therewith 12,510 notices to owners, lessees, architects or other interestel were served. As shown in the following statement, the number of violations reported in 1910 was more than 83 per cent. greater than in 1909. This fact would seem to indicate an improved condition in the inspection of buildings. It is hardly fair to suppose that builders and architects in 1910 were less careful to secure good workmanship in construction or less desirous of complying with the building laws. Nor is it likely that more attempts, either through ignorance or deliberate forethought, have been made to construct without permits or in violation of the law. Furthermore, it should be remembered that the number of permits during 1910 was much less than 1909, so that there was not quite as much activity in building.

	1910.	1909.
Violations pending January 1.....	3,408	3,877
Violations reported during year.....	6,137	3,346
Total.....	9,545	7,223
Violations dismissed	6,200	3,815
Violations pending December 31.....	3,345	3,408
Sent to Corporation Counsel during year.....	1,210	1,852
Number of notices issued.....	12,510	6,321

An analysis of the violations reported shows, in Table 12, that a surprisingly large percentage (over 27 per cent.) is for plumbing and drainage, either installing same without permit, constructing contrary to approved plans, or constructing contrary to the prescribed regulations.

Starting new buildings or alterations without a permit is also an altogether too

frequent occurrence. Nearly 22 per cent. of the violations reported were for this infraction of the law. In the more serious cases of such violations, injunction proceedings are resorted to, but even in some of these the work has often been completed before the injunction could be obtained. Thus, for instance, a frame structure within the fire limits, requiring only a short time for its erection, was practically completed, under cover of a board fence, before the injunction could be obtained.

TABLE 12.
Of Violations Reported, 1910.

	Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.	Total.
No permit	77	82	74	98	216	130	138	126	91	110	122	76	1,340
Contrary to plans.....	49	42	72	33	58	54	48	51	51	62	67	63	650
No sheds over sidewalk.....	6	12	13	12	5	5	4	16	23	13	23	21	153
Frame structures, where prohibited.....	5	5	11	9	16	13	13	4	5	9	17	9	116
Changing occupancy	1	2	..	2	..	1	..	..	..	1	2	2	11
Bearing capacity, overloaded floors.....	25	48	24	15	13	15	11	7	5	10	14	21	208
Building line encroachments.....	5	..	3	..	1	3	..	2	3	2	6	7	32
Defective construction	75	86	81	88	75	72	50	85	41	86	92	79	909
Defective leader	60	34	26	8	5	9	1	4	3	5	17	37	209
Labor Law violations—Floor arches not completed, beams not covered over, hoistway not guarded.....	15	20	8	8	15	16	7	30	19	27	22	20	207
Scenery not fireproof, using space under stage.....	10	1	2	2	..	1	..	4	10	6	8	6	50
Dumbwaiter shafts not fireproof.....	6	84	32	226	143	19	10	33	21	5	7	1	587
Plumbing and drainage, no plans.....	22	23	50	39	50	43	39	56	39	34	39	18	452
Plumbing and drainage, contrary to plans.....	18	19	7	15	11	19	21	16	42	20	26	27	241
Plumbing and drainage, contrary to law.....	57	57	89	64	90	149	73	105	82	58	84	62	970
Totals.....	431	515	492	619	698	549	415	539	437	448	546	448	6,137

For the less serious violations of the law, it is hoped that a vigorous prosecution of the cases, and the collection of penalties will reduce their number. For the more serious cases, the most effective way would be to vest the Superintendent of Buildings with the same power and authority to stop work at once on any unlawful work, as is now given the Tenement House Commissioner in section 127 of the Tenement House Act.

One reason, probably, for the larger number of violations reported in 1910 over 1909 is the active campaign that has been waged to secure the construction of substantial sheds over sidewalks for the protection of pedestrians, as required by section 80 of the Building Code. One hundred and fifty cases of failure to provide any such shed or the erection of an inadequate shed were reported, and it will be noticed that most of these cases were reported during the latter part of the year. Although a special order on this subject was issued early in February, its effect was not really felt till the latter part of the year. Not only was it difficult to get the building public to comply with this order, but it required constant admonition and disciplinary measures to get the inspection force to report cases of violations. When the present administration took charge of this Bureau, it was found that a really satisfactory shed was provided in very few instances. In most building operations, if a shed was at all provided, it was of such a flimsy nature as to be of no value or protection to pedestrians. Sometimes the shed itself was so poorly constructed as to constitute a menace to the public. In two serious accidents that occurred in Manhattan during 1910, fatal results would probably have been avoided if substantial bridges had been provided as required. To remedy this difficulty, specifications outlining what constituted the acceptable minimum were published in Bulletin No. 16, on February 5, 1910 (see Appendix "A"), and have been sent out broadcast. It is fully expected that in the course of the next year, this matter will be so well in hand that the number of violations of this class will be materially reduced.

Another class of violations that has been particularly troublesome is the erection of frame structures within the so-called fire limits, that is, the portion of the city in which such structures are prohibited. One hundred and sixteen such cases were reported in 1910, and quite a number were still pending from previous years.

The unusually large number of violations for non-fireproof dumb waiter shafts is due to an opinion by the Corporation Counsel sent to this Bureau in February, 1910, in which it is held that the provisions of section 97 of the Building Code are retroactive. This would mean that practically all existing non-fireproof dumbwaiter shafts must be made fireproof. These cases have not been vigorously pressed, as the validity of this requirement was questioned by many owners and a test case to try out the powers of the Superintendent of Buildings in this matter has been brought and is now pending in the courts.

Provision is made in the Building Code (section 132) for the filing with this Bureau in case of old or existing buildings in which heavy materials are kept or stored, or machinery is introduced, of statements as to the strength of the several floors. Such statements must be prepared and sworn to by a person competent to determine such strength, for and at the expense of the owner. In accordance with this requirement, nine such statements were filed during 1910. Inasmuch as the law has been in effect since 1892, these statements are now not very numerous. The need of such a provision is evident when it is realized that during 1910, 208 cases were reported where the floors either were overloaded or the safe floor capacities had not been posted as required.

A large number of pending violation cases are old, some of these having been placed as early as 1894. The old cases are being investigated, and although difficulty is experienced in now getting satisfactory information, it is hoped to dispose of most of the cases before long.

The cases pending since 1902, the year in which separate Bureaus of Buildings were established, are as follows:

Filed in Year.	Number of Cases.	In Hands of Corporation Counsel.
1902.....	20	11
1903.....	18	12
1904.....	42	34
1905.....	23	20
1906.....	40	33
1907.....	139	134
1908.....	217	206
1909.....	259	254
1910.....	1,846	912
	2,504	1,516

During the year 1910 this Bureau secured through the Corporation Counsel's office 11 injunctions to restrain owners or builders from unlawfully proceeding with their operations. In four cases attempts had been made to proceed without a permit; in one case work was proceeding contrary to approved plans and contrary to law; in 4 cases frame structures were being or had been erected within the fire limits, and in 2 cases defective construction was attempted.

In the prosecution of cases by the Corporation Counsel, 80 judgments were secured during 1910, amounting to \$14,810.98, of which 4, amounting to \$245.23, have been paid, leaving a balance of 76, amounting to \$14,565.75, unpaid. The futility of attempting to enforce the building law by the levying of a penalty is shown in this summary. In the majority of cases the judgment is not collected and a separate suit must be brought to secure compliance.

If summary powers were given the Superintendent of Buildings, such as is given to the Tenement House Department, a large majority of these violations could be taken up and disposed of in a very short time. The delay which is always attendant upon litigation could then be eliminated.

Unsafe Buildings.

A resume of unsafe buildings cases handled by this Bureau during 1910 is contained in the following statement:

Number of cases pending January 1, 1910.....	659
New cases filed.....	2,341
Cases dismissed	50
Structures made safe.....	1,966
Structures taken down.....	131
	2,147

Number of cases pending December 31, 1910..... 853

Cases removed voluntarily.....	1,993
Cases removed on order of Court.....	104
	2,097

Surveys held	100
Precepts issued by Supreme Court.....	96
Number of notices issued.....	5,267

Of the 853 unsafe building cases pending, precepts have been issued for 105 by the Supreme Court. In the other cases, work is in progress, or there is good reason to believe there will be, an early compliance with the Bureau's order. It is only in urgent cases that surveys are held as provided in section 154 of the Building Code.

Of the 105 cases in which precepts are pending, orders have been complied with in 60, but dismissals are withheld because of non-payment of the survey fee or bill for emergency work, or both, in accordance with the opinion of Acting Corporation Counsel G. L. Sterling, dated October 16, 1907. Some of these precepts have been pending a long time, as follows:

1903, 4; 1904, 2; 1905, 4; 1906, 5; 1907, 21; 1908, 7; 1909, 6; 1910, 11; total, 60.

The costs in these cases are under the law a lien on the property affected. It seems difficult to collect such liens. In some instances, the property is so heavily mortgaged that foreclosure proceedings would probably not yield sufficient returns to satisfy the lien.

Some of the unsatisfied precepts are also very old, as is shown in the following statement:

1903, 1; 1905, 1; 1906, 2; 1907, 2; 1908, 3; 1909, 6; 1910, 30; total, 45.

The 15 cases pending previous to 1910 are being investigated, and it is hoped to have them disposed of at an early date.

Emergency Work.

In 11 instances of unsafe buildings, it has been found necessary to call out the emergency corps to either take the structures down or make them temporarily safe. On account of the dangerous conditions, it is generally necessary to act promptly, often even before a survey can be held. When bodies are believed to be buried in the ruins, work must be done at once. But wherever it was possible, bids to remove the unsafe conditions were asked, and the work was done by the lowest bidder where there were more than one. It was found, however, that it was not always possible to get several bids in a hurry, and it was not always safe to wait.

Following is a list of the cases in which emergency work was performed during 1910, giving the dates, location, cost of work and circumstances necessitating the work:

No.	Date and Location.	Case No.	Amount of Bill.	Circumstances Necessitating Emergency Work.
1.	January 6 to 8, and re- storing pavement, Janu- ary 20 to 31, 55 Ludlow st.	22, 1910	\$831 83	Immediate action was necessary in this case as the northerly front pier had been undermined by a man who had tunneled under it and under the sidewalk and roadway of street; his body was recovered at 11.50 p. m., January 7; work performed before precept was issued.
2.	January 11, 304-306 E. 95th st.	1854, 1909	23 61	This case superseded U. B. Cases 1207-1208 of 1909, filed August 11, 1909, because of damage by fire; precepts were obtained and unsafe parts of building removed by Emergency Corps October 29 to November 1, 1909; U. B. 1854, 1909, was filed because the roof of No. 306 had fallen, endangering No. 304, and that boys with axes were weakening upright supports; work performed after precept was issued.
3.	June 3 to 8, 12-14 E. 82d st.	1001, 1910	288 34	Immediate action was taken in this case because a large portion of east wall of No. 12 had fallen, and the remainder of wall was cracked and liable to fall; work performed before precept was issued.
4.	June 10 to 23, 44 E. Broadway	887, 1910	245 00	The east wall of this building was exposed by demolition of the adjoining building (No. 46), and was found to be bulged and cracked and the front wall at second and third stories not properly bonded to same; work performed after precept was issued by James E. Mitchell, whose bid for same had been accepted.

No.	Date and Location.	Case No.	Amount of Bill.	Circumstances Necessitating Emergency Work.
5.	June 13 and 14, 552-560 W. 33d st.....	1076, 1910	58 33	Immediate action was taken in these cases because portions of buildings had collapsed and also because of rumors that bodies were buried in the ruins; work performed before precept was issued; no bodies found.
6.	June 13 and 14, 550 W. 33d st.....	1077, 1910		
7.	June 14 and 15, W. Broadway and Park place, southwest corner.	1083, 1910	350 37	Prompt action was taken in this case because of the cracked, broken and very unsafe condition of building; no survey was held.
8.	August 27, 235 E. 100th st.....	1434, 1910	335 00	Work was performed at this building because portions of the 8-inch east and west walls had fallen and remaining portions of these walls were 12 inches out of plumb; work done after precept was issued, by Volk House Wrecking Company, whose bid for same had been accepted.
9.	October 3, Elm and Pearl sts., southwest corner..	1662, 1910	519 96	Immediate action was necessary because of a dangerous fire causing the northeast portion of building to collapse, leaving westerly end in an unsafe condition; no survey was held.
10.	November 23 to 26, 635-637 W. 49th st.....	2007, 1910	1,189 22	Immediate action was taken in this case because of a request from Fire Headquarters that a search be made for a body reported buried in the fire ruins; the body was recovered at 7.15 p. m., November 26, 1910; work performed before precept was issued.
11.	December 7 and 8, 68 W. 10th st.....	896, 1910	80 00	Bulged and unsafe fence wall was removed after precept had been issued and after owner had been repeatedly notified; work performed by Volk House Wrecking Company, whose bid for same had been accepted.
Total.....			\$3,921 66	

In 5 of these cases (Nos. 1, 3, 5, 6 and 10) emergency work was performed before precept was issued. No surveys were ever held in cases Nos. 7 and 9, as structures were practically completely demolished by Emergency Corps, there being good reason to believe that collapse of the remaining portions of the buildings was imminent. Search was made for bodies reported buried in 4 cases (Nos. 1, 5, 6 and 10), and one body was recovered in each of these two cases (Nos. 1 and 10). In 3 cases (Nos. 4, 8 and 11) bids were received after precepts had been issued, and the work was done in accordance with the orders of the precept.

The amount of emergency work that is likely to be done in any one year is not possible of calculation or estimate beforehand. It is believed that during 1910 greater care has been exercised to keep this amount as small as possible than for many years. While a comparison with other years is perhaps of no especial value, it is at least interesting. This cost of emergency work since the establishment of separate Bureaus for each Borough is given below:

1910.....	11 cases	\$3,921 66
1909.....	8 cases	895 78
1908.....	30 cases	18,195 23
1907.....	96 cases	79,067 64
1906.....	46 cases	64,230 49
1905.....	61 cases	41,635 72

TABLE 14.
Fire Escape Cases, 1910.

Nature of Building.	Janu-ary.	Febru-ary.	March.	April.	May.	June.	July.	August	Septem-ber.	Octo-ber.	Novem-ber.	Decem-ber.	Total.
Workshops	37	55	63	42	26	30	9	31	14	18	21	121	467
Lofts	17	11	20	13	2	4	3	3	4	1	3	18	99
Store and offices.....	2	4	4	18	6	2	..	3	1	3	5	3	51
Store and dwellings.....	1	2	10	2	2	..	2	4	..	2	1	3	29
Store and tenements.....	..	1	2	..	..	..	..	..	..	..	1	1	5
Hotels	5	7	11	13	20	10	1	6	6	6	5	11	101
Places of assembly.....	4	3	7	10	7	1	1	3	3	5	3	2	49
Warehouses and storage.....	1	2	3	2	..	3	2	1	2	1	1	..	18
Garages and stables.....	1	1	3	2	1	..	..	2	1	4	3	..	18
Schools	2	..	2	5	..	1	..	2	1	3	..	3	19
Nurseries .....	..	..	1	..	1	..	..	1	..	..	..	..	3
Hospitals .....	..	2	..	..	..	1	..	..	..	..	1	..	4
Synagogues, Mission Houses, etc.....	1	1	..	..	..	..	..	..	..	4	1	2	9
Totals.....	71	89	126	107	65	52	18	56	32	47	45	164	872

Cases pending January 1.....	1910.	1909.
Reported during year.....	385	454
	872	496
Total.....	1,257	950
Orders complied with.....	821	565
Pending December 31.....	436	385

In hands of Corporation Counsel for prosecution..... 241 287

The large number pending at the end of year 1910 is due to the unusually large number filed in December. Deducting from it the difference (97) between the number filed in December, 1910 (164), and that filed in December, 1909 (67), we have left less than the number pending at the beginning of 1910, showing that the current work has been taken care of.

The present status of the cases (436) that are pending on January 1, 1911, is given below:

Year.	Number of Cases Pending.	In Hands of Corporation Counsel.
1904.....	1	1
1905.....	2	1
1906.....	3	3
1907.....	9	9
1908.....	23	16
1909.....	32	26
1910.....	366	170
	436	226

A list of the 9 fire escape cases in which judgments were obtained during 1910, amounting to \$2,184.69, is given below. These judgments stand against the property; so far, none of them has been collected. The argument advanced in connection with

1904.....	51 cases	64,502 42
1903.....	43 cases	159,161 39
1902.....	53 cases	82,293 66
	404 cases	\$513,903 99

Note.—The report for 1909 does not include the work done on the Criminal Court Building in November, 1909, to cover the cost of which the Board of Aldermen issued special revenue bonds to the amount of \$10,500.

Fire Escapes.

None of the duties resting on this Bureau seem so onerous as that imposed by sections 103 and 108 of the Building Code, to provide adequate egress from buildings in case of fire or panic. None of the orders issued by this Bureau are so strenuously resisted as those calling for proper and adequate means of egress. The provisions of the law are not specific and perhaps cannot be, but the responsibility for adequate exit facilities is clearly placed on the Superintendent of Buildings. A force of 6 Inspectors has been assigned to this work especially, and besides this, the District Inspectors report on many cases.

While it has not been possible to lay down any specific rules, certain general principles have been adopted for the guidance of the Inspectors. An endeavor is made to secure as far as possible safe egress within the structure itself by enclosing all staircases in fireproof walls with self-closing fireproof doors on the openings. A means of escape is thus formed with which the occupants are thoroughly familiar and which, when properly constructed, does not subject them to the dangers of the outside fire escapes, the majority of which do not lead to direct or easy egress.

The proper means of egress is of necessity largely a matter of judgment, and much difficulty is experienced in convincing owners or lessees that additional exit facilities are required.

Complaints as to the lack of fire escapes or proper means of egress come from several sources, chief among them the State Factory Inspector and the Fire Department. Some cases come from the Tenement House Department and many from employees in business buildings or factories and tenants in residences. Some are anonymous and some are clearly inspired by animosity. An unusual number of them have reached this Bureau since the fatal Newark factory fire on November 26, 1910. All the complaints, no matter from what source or motive, are investigated.

During 1910, 872 cases have been reported in which fire escapes or other improvements to exit facilities were considered necessary. The general character of the orders and the types of buildings to which they apply are indicated in Table 13.

A summary by months is shown in Table 14, and indicates clearly the effects of the Newark fire by the large number of cases (164) filed in December, three-fourths of which (121) were filed against factories. The rather large number reported in March was due to the greater activity on the part of the inspection force after a change of administration.

A comparison of the work of 1910 with that of 1909 is given in the following statement:

TABLE 13.
Fire Escape Cases, 1910.

Nature of Building.	Outside Fire Escapes.	Fire Out of Repair.	Remove Obstructions.	Provide Fireproof Stairways, etc.	Doors to Open Outward.	Total.
Workshops	258	111	58	40	..	467
Lofts	54	34	10	1	..	99
Stores and offices.....	34	12	5	..	..	51
Store and dwellings.....	18	10	1	..	..	29
Store and tenements.....	1	3	1	..	..	5
Hotels	62	29	10	..	..	101
Places of assembly.....	21	11	1	2	14	49
Warehouses and storage.....	5	10	3	..	..	18
Garages and stables.....	14	4	..	..	..	18
Schools	16	2	..	..	1	19
Nurseries	2	..	..	..	1	3
Hospitals	4	..	..	..	..	4
Synagogues, Mission Houses, etc.....	6	1	..	..	2	9
Totals.....	495	227	89	43	18	872

tion of facts and evidence and appearances at court was done by the Inspectors in addition to their other regular duties.

Number of unlicensed plumbers reported..... 137
 Number held in \$100 bail for Court of Special Sessions by Police Magistrates.. 15
 Number awaiting trial..... 10
 Number summoned to court but did not appear..... 2
 Number fined \$10 by the Court of Special Sessions..... 5
 Number of signs removed..... 6
 Number of cases dismissed..... 2
 Number found for which there was no cause for complaint upon a more complete investigation..... 1
 Number of plumbers reported as "unlicensed" who have taken a partner who is licensed..... 1
 Number of persons who could not be served with summons..... 1

Elevator Division.

The activities of the Elevator Division during 1910 are as follows:

Number of applications for new elevators or for alterations of existing elevators..... 692
 Number of passenger elevators under inspection..... 8,420
 Number of inspections (not including freight elevators)..... 18,295
 Number of violations reported..... 1,054
 Number of notices issued..... 1,335

While applications are required and permits are issued for all new elevators to be installed, and inspections and tests are made on all new elevators when installed, periodic inspections are only made on passenger elevators, that is, those authorized to carry passengers or employees. It is estimated that in addition to the 8,420 passenger elevators reported above, there are in Manhattan about 10,000 elevators classed as freight elevators on which persons are not permitted to ride except at their own risk.

The violations reported on elevators during the year are given in more detail in Table 15.

TABLE 15.
Reports of Violations on Elevators for Year 1910.

Nature of Case.	Cases Pending December 31, 1910.	Filed During 1910.	Total.	Dis-missed.	Pending December 31, 1910.	Sent to Corporation Counsel During 1910.
Gratings.....	23	109	132	103	29	17
Guides.....	3	14	17	13	4	1
Running Gear.....	5	320	325	282	43	18
Doors and Locks.....	52	114	166	132	34	28
Generally.....	13	201	214	180	34	18
Ropes.....	12	99	111	92	19	11
Operator.....	..	5	5	1	4	1
Safety.....	68	148	216	185	31	42
No permit.....	12	44	56	41	15	2
Total.....	188	1,054	1,242	1,029	213	138

Elevator Accidents.

An effort has been made recently to gather from the records of this Bureau some reliable information as to elevator accidents. It was found, however, that until recently no attempt has been made to get reports of accidents. Table 16 gives such information as is found on record in the Bureau. The figures cannot be taken as complete, as accidents are not systematically reported and only discovered by chance. The analysis of the reports, however, can be taken as reliable.

TABLE 16.
Elevator Accidents Reported, 1910.

	Septem-August.	Octo-ber.	Novem-ber.	Decem-ber.	Total.
Total accidents.....	3	..	5	4	2
Number of Accidents—					
Passenger.....	2	..	4	3	1
Freight.....	1	..	1	1	1
Number of Persons—					
Killed.....	..	..	2	4	1
Injured.....	10	..	1	1	2
Causes—					
Defects in ropes.....	..	..	..	2	1
Defects in machinery.....	2	..	1	..	..
Carelessness of—					
Passenger.....	1	..	3	1	..
Operator.....	..	..	..	1	1
Unknown.....	..	..	1	..	..

Early in 1910, an elevator accident occurred in a downtown office building in which a number of people were more or less injured by the dropping of the car. The cause of the accident was found to be the breaking of the traveling sheave straps. An accident, due to the same cause, it was learned, had occurred some time previously in one of the City's large department stores, though in the latter case no one was hurt. Investigation showed that many of the old type vertical hydraulic elevators in the City were equipped with the same form of traveling sheave straps. A careful consideration of the construction led to the conclusion that all these elevators were liable to the same accident. It was impossible to tell from an inspection, without dismantling the machinery, whether the sheave straps were in good condition or not, as they were covered by other parts.

After consultation with representatives of the elevator manufacturers and the casualty and other elevator insurance companies, on May 2, 1910, a new regulation calling for the reconstruction or reinforcing of all such straps in use, was promulgated and published as widely as possible. Inspection of all the existing vertical hydraulic elevators was made and orders issued to comply with the new regulation. Some opposition developed, but it was soon dispelled when it was pointed out that non-compliance meant the liability of serious accident at any time.

Of the 1,094 vertical hydraulic elevators in Manhattan, 1,027 have at this time had their sheave straps replaced or reinforced in accordance with the new regulations, leaving only 67, or a little over 6 per cent., to be still attended to.

That the new regulation was fully justified is indicated by the fact that in 16 cases it was reported that the straps were found broken when the machinery was taken apart. It was mere good fortune that more accidents had not occurred. It should be added that it is probable that straps in more than 16 cases were broken, inasmuch as the work of replacing and reinforcing, to avoid as much as possible an interruption of the elevator traffic, was generally done on Sundays or holidays or at night, when the Inspectors were not present, so that they did not always see the straps that were removed.

While the straps were being reconstructed or reinforced, in a great many cases, the piston rods of the elevators, which also cannot be inspected without dismantling the machinery, were examined and quite a number were found to be defective and had to be removed.

Tests of New Materials.

An important part of the duties of the Engineering Division is the testing of new materials and new types of construction. The most important of the tests are the fire and load tests on floor constructions in accordance with the requirements of section 106 of the Building Code and the additional regulations laid down by the Bureau, as published in the annual report for 1905. In reports for 1904, 1905 and 1907 are given lists of the types of fireproof floors approved under these requirements. In Appendix "B" is given a complete list of floor constructions approved up to date.

Fireproof partitions are also subjected to a fire test described in the report for 1905. In Appendix "C" is given a complete list of the approved forms of fireproof partitions with a concise description of each.

In the annual report for 1905, regulations for the testing of new materials of construction having the form and general character of brick, were published. These regulations (see Appendix "D"), were based on a series of tests conducted at Columbia University under the direction and supervision of this Bureau. The results of the investigation are contained in an article published in "Engineering News" for April 13, 1905. In the same annual report the results of tests, made in accordance with the regulations, on sand lime, brick and cement brick were given. Since that time additional tests have been made, but the results have not been published. As all the test pieces were taken from stock and therefore represent the commercial product, the values determined are of general interest to the building public, as showing the physical characteristics of the materials. The results of tests since 1905 are given in Appendix "E," and a list of the approved materials is given in Appendix "F." The average results of all the tests made to date under the auspices of this Bureau are given in Table 17.

TABLE 17.

	Number of Specimens.	Modulus of Rupture.	Compression in Pounds Per Square Inch.			Per Cent. of Absorption by Weight.	Weight in Pounds Per Cubic Foot.
			Dry.	Wet.	Frozen.		
Clay, common.....	59	469	3,959	2,702	....	15.00	.....
Clay, pressed.....	6	983	6,361	5,934	....	9.80	.....
Cement, 1-4.....	5	475	4,394	2,594	2,700	10.97	115.8
Concrete: 1, Portland cement; 1.2, marble dust; 2.4, limestone	7	895	4,180	2,537	....	.....	.....
Cement not recorded.	6	457	2,212	....	....	8.4	114.00
1, Portland cement; 2.5, trap rock.....	10	696	3,856	3,326	4,824	9.4	117.00
Clinker.....	12	06	4,746	3,678	....	5.7	.....
Sand lime.....	150	560	3,878	3,084	3,362	12.34	118.88

Fireproofed Wood.

Under the Building Code, no wood flooring or wood trim is permitted in buildings over 150 feet in height unless the same has been treated by some process to render it fireproof. Three companies whose processes have been approved are now operating plants for the fireproofing of wood, as follows:

American Wood Fireproofing Company, Ltd., foot of Chapel st., Newark, N. J.

Electric Fireproofing Company, 327 Avenue B, New York City.

Lincoln Manufacturing Company, E. 152d st. and Harlem River.

About five million feet of fireproofed wood was used in building construction in Manhattan in 1910, as follows:

	Feet B.M.
Spruce.....	904,112
White pine.....	995,316
Yellow pine.....	922,681
North Carolina pine.....	680,328
Poplar.....	32,945
Gum wood.....	65,863
Mahogany.....	360,160
Maple.....	251,602
Plain red oak.....	362,908
Quartered red oak.....	207,198
Cherry.....	1,095
Birch.....	140,210
Total.....	4,924,418

Cement Tests.

Section 16 of the Building Code prescribes the conditions under which cements used in building construction in New York City may be classed as Portland cements or as natural cements. It also provides that tests shall be made under the supervision of the Superintendent of Buildings at such times as he may determine, presumably for the purpose of determining whether any cement in use meets the requirements. It is also provided that a record of all cements answering such requirements shall be kept for public information. It has generally been assumed, though this is not so stated in the Code, that cements which have not been tested under the supervision of the Superintendent of Buildings cannot lawfully be used in building construction. When cements which are not on the record as acceptable have been used, it has been the practice of the Bureau to serve a notice of violation.

New cements have been from time to time offered for registration in this Bureau. In such cases an Assistant Engineer or Inspector has been sent out to select samples, and tests have been made at this Bureau. For this purpose this Bureau has a Riehle 2,000-pound cement testing machine and has had at one time a fairly well equipped laboratory. As the use for the apparatus and laboratory has been very limited and the amount of testing required does not justify employing a man for that one purpose, the equipment has deteriorated to such an extent that the results cannot always be considered reliable. This arrangement does not seem economical. It would be better to have the few necessary tests made at some properly equipped laboratory. The cost of the original equipment for this Bureau was approximately \$500. The annual cost of maintaining and operating the laboratory is approximately:

Interest on equipment at 5 per cent.....	\$25 00
Repairs and supplies (estimated).....	10 00
Services of Operator.....	20 00

Total..... \$55 00

These figures are necessarily high, as very few tests are made, deterioration is great and much time is lost by Operator in preparing for and making tests. It is estimated that the cost of all the tests thus far made would not have averaged more than \$60 per year if made at some well-established laboratory, and the results would have been more satisfactory. But it would probably not be necessary to go to an outside laboratory for these tests, if some arrangement could be made with one of the existing laboratories of some of the other City Departments. This matter seems worthy of further consideration, and if arrangements can be made with any other Bureau or Department to make these tests, such of the equipment of this Bureau as is of service can be either sold or transferred to that Bureau or Department.

A list of all cements that have been tested and found acceptable, under the provisions of section 16 of the Building Code, is given below:

Portland Cements—Alpha, Alsen, American Alsen, Atlas, Bear, Edison, Eureka, Germania, Giant, Kane, Lehigh, Matcham, Nazareth, Northampton, Pennsylvania, Phoenix, Saylor.

Natural Cements—Adirondack, Atlantic, Brooklyn Bridge, Commercial Rosendale, Crescent, Excelsior-Superior, Improved-Hydraulic, New York, Union.

Reinforced Concrete.

Comparatively little reinforced concrete construction is carried on in the Borough of Manhattan. This is due to several causes, but perhaps chiefly to the present rigid regulations prescribed by this Bureau. These regulations have not been amended or revised since they were first promulgated in 1903. At that time they undoubtedly represented the best conservative practice. But since that time there has been considerable development in this form of construction, and it is only proper that some revision should be made in the regulations to meet and represent the best practice of to-day. A revision has been under consideration for some time, but on account of many other important matters and a lack of engineering assistance, a final result has not yet been reached.

The regulations still in force on December 31, 1910, are given in Appendix "G."

Organization of Bureau.

For the purposes of the Budget, the personnel of the Bureau is divided into two groups known respectively as the "Administration" and "Field and Inspection" forces. In the table below is shown the number of employees, exclusive of the exempt appointments, provided for the year 1910 and 1911. The experience of the first half of the year showed that the "Field and Inspection" force was weak, especially in the matter of engineering help. The work of the Bureau is requiring more and more a higher grade of technical assistance. It was also found that the clerical work was

costing more money than necessary. Notices of all kinds were being made out and duplicated in long hand that could be better and more quickly prepared by typewriting. Again, the delivery of notices and correspondence was being done by messengers that could be more promptly and more cheaply accomplished by mail. For the purpose of remedying these defects and improving the efficiency of the Bureau, a revision of the Budget schedule was submitted and approved by the Board of Estimate. These changes are indicated in the second column of Table 18.

TABLE 18.
Salary Schedules.

	January 1, 1910.		August 1, 1910.		January 1, 1911.	
	Num-ber.	Appropria-tions.	Num-ber.	Appropria-tions.	Num-ber.	Appropria-tions.
Administration.						
Clerks	37	\$53,550 00	33	\$44,250 00	33	\$44,850 00
Stenographers and Typewriters	6	7,800 00	6	7,950 00	7	9,750 00
Typewriting Copyists	5	2,000 00	8	5,760 00	8	5,760 00
Cleaners	1	900 00	1	2,000 00	5	2,000 00
Telephone Operator	3	1,800 00	3	900 00	1	900 00
Watchman	1	1,200 00	3	1,800 00	3	1,800 00
Automobile Engineman	1	1,200 00	1	1,200 00	1	1,200 00
Total	53	\$67,250 00	57	\$63,860 00	58	\$66,260 00

	January 1, 1910.		August 1, 1910.		January 1, 1911.	
	Num-ber.	Appropria-tions.	Num-ber.	Appropria-tions.	Num-ber.	Appropria-tions.
Field and Inspection Force.						
Confidential Examiner	1	\$1,200 00	1	\$1,200 00	1	\$1,200 00
Messengers	16	18,450 00	15	17,550 00	16	18,900 00
Driver	1	1,000 00	..	..	..	..
Assistant Engineers	4	11,500 00	10	24,100 00	13	29,500 00
Inspectors of Masonry and Carpentry	66	97,950 00	62	92,250 00	62	92,250 00
Inspectors of Iron and Steel Construction	7	10,500 00	7	10,500 00	7	10,500 00
Inspectors of Elevators	17	23,850 00	17	23,850 00	17	24,000 00
Inspectors of Plumbing	25	36,900 00	23	33,150 00	23	33,150 00
Total	137	\$201,350 00	135	\$202,600 00	139	\$209,500 00
Grand Totals	190	\$268,600 00	192	\$266,460 00	197	\$275,760 00

In Table 19 are shown the changes in the personnel during 1910. The five Clerkships abolished by the change in the Budget Schedule were: The Chief Clerkship, at \$3,000 per annum, which was never filled after the death of the incumbent at the beginning of the year; the Assistant Chief Clerkship, at \$2,000 per annum, and a Clerkship at \$3,000 per annum, both of which were not filled after the removal on charges of the incumbents, and two Clerkships, at \$2,400 and \$2,350 per annum, respectively, the incumbents of which were placed on the preferred list.

TABLE 19.
Personnel of the Bureau of Buildings, Borough of Manhattan, for the Year 1910.

	Appoint-ments.	Appoint-ments by Transfer.	Resig-nations.	Deaths.	Remov-als.	Positions Abol-ished.	Salary Increases.	Number of Em-ployees Decem-ber 31.	Vacan-cies Existing Decem-ber 31.
Administration.									
Clerks	2	..	..	2	2	5	12 (\$2,850)	33	..
Stenographers and Typewriters	7	1	..	..	..	1	1 (\$150)	6	..
Typewriting Copyists .....	..	..	..	..	..	..	..	8	..
Cleaners .....	..	1	..	..	..	..	..	5	..
Telephone Operators	2	..	1	1	..	..	..	1	..
Watchmen .....	..	..	..	..	..	..	..	3	..
Automobile Enginemen .....	..	..	..	..	..	..	..	1	..
Total	11	2	1	3	3	5	13 (\$3,000)	57	..
Field and Inspection.									
Confidential Examiner .....	..	..	..	..	..	1	..	1	..
Driver	1	..	..	..	..	2	1 (\$150)	15	..
Messengers	2	..	2	..	..	..	..	4	6
Assistant Engineers	7	..	5	3	5	1	5 (\$1,350)	59	3
Inspectors of Masonry and Carpentry .....	..	..	..	..	..	..	..	7	..
Inspectors of Iron and Steel	3	..	..	1	2	3	3 (\$750)	17	..
Inspectors of Elevators	1	..	..	1	1	1	1 (\$300)	23	..
Inspectors of Plumbing .....	..	..	..	..	..	..	..	..	..
Total	14	..	7	5	8	5	10 (\$2,550)	126	9
Grand Total	25	2	8	8	11	10	23 (\$5,550)	183	9

Attendance.

Although a comparison between the attendance in 1910 and previous years cannot be well made, on account of the incompleteness of the attendance record before 1910, yet there is good reason to believe that a great improvement has taken place in this respect. During the year a rule governing leaves of absence and sick leave was inaugurated, by which each employee is entitled to 18 days' leave with pay (including vacations), and 25 days' sick leave with pay, on verification, this time being exclusive of Sundays and holidays. This has been found to work very satisfactorily, as all are treated alike. Formerly, there apparently was no fixed practice in this respect, leave of absence being granted promiscuously, and sick leave indefinitely, with the result that some employees received more vacation than others. It seems to be generally felt among the employees that this present system is more equitable, and as it allows practically three weeks' vacation in the aggregate, is more liberal than formerly.

While some of the employees did not take all of their leave with pay to which they were entitled, most of them did get their full 18 days. The average absence on sick leave per employee for the year was 7.75 days, of which 5.42 was with pay and 2.33 without pay. This shows a reduction from 1909 of 13 per cent. in absence on account of sickness and 40 per cent. on account of sick leave with pay. For the average absence on sick leave per employee in 1909 was 9 days and it was all with pay.

The highest average absence for sickness in 1910 was among the Inspectors of Masonry and Carpentry, being 14.87 days per employee, of which 6.47 was without pay. Lateness reported averaged 1.33 per employee for the year, the worst offenders in this respect being the office force, particularly the Stenographers and Typewriters.

Table 20 gives a fair idea of the attendance record.

TABLE 20.
Attendance Record.

	Average Number of Days' Absence Per Employee.		Lateness Reported Per Employee Per Year.
	Sick Leave.		
	With Pay.	Without Pay.	
Clerks	2.15	..	1.67
Stenographers and Typewriters	4.5	3.15	4.57

	Average Number of Days' Absence Per Employee.		Lateness Reported Per Employee Per Year.
	Sick Leave.	Without Leave Pay De-ducted.	
	With Pay.	Without Pay.	

Messengers	7.0	..	0.27
Engineers	1.0	..	1.25
Inspectors of Masonry and Carpentry	8.4	6.47	1.26
Inspectors of Iron and Steel	3.57	..	0.29
Inspectors of Plumbing	6.05	..	0.65
Inspectors of Elevators	4.53	..	1.24
Miscellaneous	1.0	..	0.36
Total	5.42	2.33	1.33

Appropriation.

The appropriation accounts for the years 1909 and 1910 are shown in Table 21, according to which it appears that the unexpended balance of 1910 is about \$23,000, nearly six times that of 1909. It also appears that this is all in the salary accounts. This is explained by the fact that early in 1910, by death, sickness without pay and resignation, a number of positions remained vacant for some time. Among these vacancies was that of Chief Clerk (\$3,000 per year), the incumbent of which died early in January and which place was never filled and abolished in July. In the middle of February the former Chief Engineer (\$4,000 per year) resigned, and because of the inability of the Civil Service Commission to furnish an eligible list, this place remained vacant till November. Several Inspectors were on sick leave and their places were not filled until they became vacant by death.

Table 19 shows that the only vacancies at the end of the year were among the Assistant Engineers, for which it was necessary to wait for an eligible list.

The corporate stock account, containing an unexpended balance of over \$14,000, is to be used in equipping the Bureau with a much-needed outfit of filing cabinets of different kinds.

TABLE 21.

Statement of Condition, January, 1911, of all Appropriation Accounts for the Current Year, and of Appropriation Accounts for Last Year Having Unexpended Balances.

Title of Account.	Original Appropriation.	Transfers, Refunds, etc.	Appropriation As Adjusted.	Expended To Date.	Balance Unexpended.
1909.					
1331. Administration, Salaries	\$78,750 00	..	\$78,750 00	\$78,310 76	\$455 97
1332. Field and Inspection Force, Salaries	206,100 00	..	206,100 00	203,885 47	2,214 53
1333. General Supplies	980 00	..	980 00	610 65	369 35
1334. Apparatus, Machinery, Vehicles, Horses, Equipment, Care and Storage of Same	3,900 00	a \$605 84	3,294 16	2,399 21	894 95
1335. Contingencies	3,120 00	605 84	3,725 84	3,672 17	53 67
Total					\$3,988 47
1910.					
1497. Administration, Salaries	\$78,750 00	{ \$725 00 }	\$78,687 50	\$74,087 82	\$4,599 68
1498. Field and Inspection Force, Salaries	205,350 00	1,512 50	206,862 50	189,508 50	17,354 00
1499. General Supplies	800 00	..	800 00	638 20	161 80
1500. Maintenance of Automobiles, Including Equipment, Care and Storage	2,500 00	437 00	2,937 00	2,363 85	573 15
1501. Forage, Shoeing and Boarding Horses	500 00	a 437 00	63 00	63 00	..
1502. Contingencies	3,120 00	1,200 00	4,320 00	4,025 09	125 57
Total					\$22,814 20

Title of Account.	Original Appropriation.	Transfers. Refunds, etc.	Appropriation As Adjusted.	Expended To Date.	Balance Unexpended.
Revenue Bond Funds.					
R-PM-44. Unsafe Building Fund			c \$144,696 50	\$144,677 28	\$19 22
R-PM-45. Unsafe Buildings			c 71,037 50	71,148 26	b 110 76
R-PM-4. Salaries of Additional Inspectors and Clerks, 1908.....	\$6,600 00		c 4,000 00	3,821 08	178 92
C-PM-1B. Filing Cases and Equipment for Office.....			15,000 00	827 15	14,172 85

Note.—a Deduction. b Deficit. c Funds available.

For comparison, the appropriations for 1910 and 1911 are given below. There has been an increase of 3.17 per cent. in the appropriation of 1911 over 1910. It will be noticed that it is in the Field and Inspection and Contingency accounts. The former increase makes greater efficiency possible in the real work of the Bureau. The latter increase has been made necessary by the fact that it was found that in past years the contingencies always exceeded the appropriation and were provided for by transfer from salary account, which, under present rulings, is no longer permitted.

Title of Appropriations.	January 1, 1910.	January 1, 1911.
Administration, Salaries	\$78,750 00	\$78,760 00
Field and Inspection Force, Salaries.....	205,350 00	214,500 00
Supplies	800 00	800 00
Maintenance of Automobiles, Including Equipment, Care and Storage	2,500 00	2,500 00
Forage, Shoeing and Boarding Horses.....	500 00	
Contingencies	3,120 00	4,000 00
Total.....	\$291,020 00	\$300,560 00

A reduction in expenses that was effected in 1910 was the abolition of the horse and buggy formerly attached to the Bureau. Little use was found for this adjunct, the purpose being much better served by the automobile of the Bureau. A saving of \$500 per annum for maintenance and \$900 for salary of Driver is thereby accomplished.

The automobile of the Bureau early in the year failed completely. An expert examination of the old machine and another not in use at the time, led to the rebuilding of the latter, a 1907 Peerless, with the result that the Bureau now possesses a very good machine and at considerably less cost than any satisfactory new machine. A careful system of cost account of maintenance and operation is in use, and it is fully expected that by this means the cost will be kept very low and lower than in previous years.

Another saving that has been effected in the last year is in the telephone bill, which has been reduced from \$973.46 in 1909 to \$581.82 in 1910. This is more fully shown in the following statement of cost for telephone service for the past five years.

Year.	Calls Contracted For.	Contract Price.	Actual Cost.	Calls Used.
1906.....	20,000	\$756 00	\$853 90	27,173
1907.....	20,000	756 00	814 59	22,905
1908.....	20,000	756 00	906 12	24,143
1909.....	20,000	787 50	973 46	27,418
1910.....	26,400	895 50	581 82	11,204

The reduction in the number of calls is undoubtedly due to a stricter supervision of the telephone service, a prohibition of its use by the employees for private business and the restriction to official business only.

Physical Reorganization.

During the past year a careful study has been made of the operations of the Bureau and of the records kept with a view to undertaking a complete physical reorganization. This has become imperative. Little or no provision has been made in recent years for expansion. Records have been stored throughout the quarters occupied by the Bureau in a most careless and haphazard manner, in many instances in such a way, so exposed to public as well as Departmental interference, that no one can be held strictly accountable for the safekeeping or even systematic arrangement of the papers. Besides, the manner of the storing of the records has very materially increased the fire hazard. Open gas flames are still in use where important papers are kept. It was only during the year that effective fire extinguishers were provided.

A plan of reorganization has been devised and the work of rearrangement and new fireproof equipment has been started. It is hoped before the end of 1911 that the reorganization will be completed. Respectfully,

RUODOLPH P. MILLER, Superintendent of Buildings.

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BULLETINS.

1. Special Order.

Dumbwaiter Shafts in Existing Buildings—In accordance with an opinion from the Corporation Counsel relative to section 97 of the Building Code, non-fireproof dumbwaiter shafts in existing buildings, irrespective of the date of their erection, except in tenement houses erected since April 12, 1901, must be replaced by shafts of the form of construction provided in section 97 of the Building Code, or of such other fireproof material and form of construction as may be approved by the Superintendent of Buildings having jurisdiction. All openings in the enclosure walls of such shafts must be provided with self-closing fireproof doors.

Whenever such shafts are found, therefore, you will please file a report, so that a violation notice may be served in the proper manner. April 15.

2. Special Order.

Framing of Wood Floor Beams—In non-fireproof buildings, where the header beams are made double and the tail beams frame into the same, the two beams forming the header shall in all cases be securely bolted together with not less than three 5/8-inch bolts per linear foot to span; or, in lieu of the above, bridle irons may be used to support the tail beams, provided the bridle irons carry over so as have a support on both beams.

In cases where the header beams are single, the connection of the tail beams to the same shall be by means of bridle irons, or else the header shall be of extra thickness to allow for the material cut away in framing.

The method of supporting the tail beams by abutting the latter against the header and spiking must not be permitted. April 15.

3. Special Order.

Terra Cotta Floor Arches—In fireproof construction, where the space between the beams is filled in with hollow tile arches of hard-burnt clay or porous terra cotta, the joints shall be solidly filled with cement mortar, and the arch so constructed that the key-block shall always fall in the central portion of the arch, as required by section 106 of the Building Code. This latter requirement is rarely carried out, the key-blocks being placed generally in the most convenient position for the contractor. The keying of arches by means of broken key-blocks, pieces of broken terra cotta, mortar or slate is prohibited.

Inspectors in the future will see to its proper enforcement. April 15.

4. Special Order.

Galleries in Fireproof Buildings—In fireproof buildings fireproof construction will not be required for the floors of galleries which are not more than six feet wide and the area of which does not exceed 10 per cent. of the floor area within the

partitions enclosing the room in which the gallery is placed, provided, however, that the structural parts of the entire gallery construction shall be of incombustible materials.

5. Notice to the Public.

Plans for Standpipes and Fire Appliances—At the request of the Fire Commissioner, the attention of architects, builders and others interested in building construction is again called to the necessity of filing plans with the Fire Department showing standpipes and other fire appliances of buildings in such cases as come under the provisions of section 762 of the Greater New York Charter and sections 102 and 109 of the Building Code.

Copies of the regulations governing the installation of standpipes and fire appliances may be had on application at the headquarters of the Fire Department. April 20.

6. Modification.

In re Application No. 476, New Buildings, 1907, premises northeast corner Canal and Sullivan streets.

In a ten-story factory building, it is proposed to set the waterclosets on a concrete flooring 4 inches thick above the fireproof floor arches, the bottom two inches to be of first class Portland cement, sand and cinder concrete, the next one inch to be one part Portland cement and three parts sand, and the top one inch to be on pea-size Italian marble laid in Portland cement. The surface to be thoroughly rolled with a heavy iron roller and then ground to a smooth finish.

A modification of section 125 of the Plumbing Regulations is requested and hereby granted, to permit the placing of the waterclosets immediately on this flooring, instead of providing a natural stone slab immediately thereunder, as called for by the regulations, in view of the fact that the resultant product is as effective and as impervious as natural stone would be, and that it is so arranged as to give a thorough and satisfactory bearing and support to the closet. April 15.

7. Modification.

In re Application No. 581, Alterations, 1910, premises 89 Essex st.

It is proposed to alter an existing five-story non-fireproof building, now occupied as store, lofts and tenement, into a building to be occupied as store, lofts and two families on the top floor, by removing partitions in the old dwelling portions and adding a one-story extension on the rear. The existing walls are not of lawful thickness for a business building.

A modification of section 32 of the Building Code is requested and hereby granted, to permit the use of the existing walls, although not of the required thickness for a business building, for the reason that they are of sufficient strength for the purposes of the building as altered. April 21.

8. Fireproofing of Beams and Girders.

No system of fireproof floor construction must hereafter be approved or installed that does not contemplate incasing the bottom flanges of all beams and girders, and the exposed portions of such beams and girders, with terra cotta or other fireproof material allowed to be used for the filling between the beams under the provisions of section 106 of the Building Code. Such protection shall be not less than one inch thick in the case of terra cotta, nor less than one and one-half inches thick in the case of other materials. Material other than terra cotta must be thoroughly secured by metal fabric in an approved manner. Protection of bottom flanges of beams and girders by means of metal lath and plaster shall not be permitted.

9. Outside Staircases.

An outside staircase of satisfactory construction, that is, with easy treads and risers, accessible at each floor by means of a door, and having an exterior outlet to the street, either direct or through a fireproof passage connecting with a corridor to the street on the first story, can be accepted as equivalent to a staircase called for under section 75 of the Building Code. February 8.

10. Connection Between Buildings.

Whenever two buildings are connected by door openings provided with self-closing fireproof doors, and such openings are not larger than six feet in width, and the total width of such door openings at any one story is not more than 20 per cent. of the length of the wall, the two buildings may be treated as separate buildings. February 8.

11. Partitions in Fireproof Buildings.

All partitions in fireproof buildings, which are of a permanent character, shall be constructed of approved fireproof materials and construction. Permanent partitions shall include all partitions enclosing halls and toilet rooms, and partitions separating the space occupied by one tenant from that of another.

Partitions constructed within the space occupied by any one tenant, and used only for the purpose of dividing such space into offices or rooms, may be of wood and glass, whether the same are so-called dwarf partitions or extend from floor to ceiling. It is not required in any building that the wood used in such partitions shall be treated to render it fireproof.

Where there is any doubt as to the use of the partitions, a report should be submitted to the Superintendent before such partitions are disapproved or a violation filed for the erection of the same. February 18.

12. Lot and Block Number.

Will you please have the applicants for new building and alteration applications hereafter enter on their affidavits the lot and block number of the property covered by the affidavit?

This lot and block number should be noted on the affidavit, either on the first page immediately after the location of the property, or at the beginning or end of the description on the second page.

In requesting this information from applicants in the future, inform them that this information can be readily obtained from the owners, as it is always given on their latest tax bills. It can be as easily obtained as the description of the property itself. February 19.

13. Slip Applications.

The application blanks known as "Slip Applications" are accepted by this Bureau as a matter of convenience to the public for small alterations and repairs on the following conditions:

The alterations must be of simple nature and must be fully and explicitly described in the application. Explanatory drawings on cloth must be filed with the applications. Such drawings must be drawn to scale sufficiently large to be clear in all necessary details, and must be limited to the size of the application blank. Slip applications will not be subject to more than one amendment. The cost of proposed alterations or repairs must not exceed five hundred dollars. The word "Alteration," as used in this connection, will not apply to the extension in area of the raising in height of any existing building, or to anything affecting the vital construction of the building. March 3.

14. Fireproof Passage in Tenements.

In accordance with a conference with the Tenement House Department, the enclosing walls for the fireproof passageway from the yard to the street in all tenement houses may be built of four-inch brick, terra cotta or hollow tile, the wall well bonded and properly laid, provided that there are no openings in the wall. April 16.

15. General Order.

Changes in Records—Changes, alterations, interlineations or other mutilation of any application, amendment or other papers filed in connection therewith, are not to be permitted or tolerated under any circumstances.

If errors have been made in any of these papers by the applicant, the corrections must be noted in amendments or subsequent statements filed with the papers.

If errors have been made on the part of any employee of this Bureau, corrections of the same must be noted in written statements attached to the papers. January 28.

16. Special Order.

Sheds Over Sidewalks: Inspectors shall be governed by the following requirements in the constructions of sheds called for by section 80 of the Building Code, for the protection of pedestrians.

1. The shed shall extend from building line to curb.

2. The shed shall be erected as soon as practicable after the building operation is started, and must be completed before any part of the construction is carried more than 35 feet above the curb.

3. The material shall be good, sound timber, and all work shall be done in a substantial manner and shall be securely bolted or spiked.

4. The girders and sills shall be fastened to the posts by means of battens not less than 2 inches thick and with not less than 2 20d spikes in each member connected.

5. The structure shall be braced by means of knee braces, both longitudinally and across, at every post; the braces shall be placed at an angle of about 45 degrees and shall connect to the posts, beams and girders; the connection to the posts shall be at a distance of not less than 3 feet below the top.

The bracing shall not be less than 6 inches by 2 inches, and there shall not be less than 2 20d spikes in each member connected.

6. The flooring shall be spiked to the cross beams by sufficient 20d spikes to hold the flooring securely in place.

7. For buildings exceeding 100 feet in height, and where the sidewalks are 10 feet or less in width, beams shall be not less than 10 inches by 3 inches, and spaced not exceeding 2 feet, centre to centre; girders not less than 8 inches by 8 inches; posts not less than 8 inches by 8 inches, and spaced not exceeding 8 feet, centre to centre; sills not less than 8 inches by 6 inches, and flooring not less than 2 inches in thickness.

8. For buildings exceeding 100 feet in height, and where sidewalks are over 10 feet in width, beams shall not be less than 10 inches by 4 inches, and spaced not exceeding 2 feet, centre to centre; girders not less than 8 inches by 8 inches; posts not less than 8 inches by 8 inches and spaced not exceeding 8 feet, centre to centre; sills not less than 8 inches by 6 inches, and flooring not less than 2 inches in thickness.

9. For buildings exceeding 65 feet and less than 100 feet in height, and where sidewalks are 10 feet or less in width, beams shall not be less than 8 inches by 3 inches and spaced not exceeding 2 feet, centre to centre; girders not less than 8 inches by 8 inches; posts not less than 8 inches by 8 inches and spaced not exceeding 8 feet, centre to centre; sills not less than 8 inches by 6 inches, and flooring not less than 2 inches in thickness.

10. For buildings exceeding 65 feet and less than 100 feet in height, and where sidewalks are over 10 feet in width, beams shall be not less than 10 inches by 3 inches and spaced not exceeding 2 feet, centre to centre; girders not less than 8 inches by 8 inches; posts not less than 8 inches by 8 inches and spaced not exceeding 8 feet, centre to centre; sills not less than 8 inches by 6 inches, and flooring not less than 2 inches in thickness.

11. These requirements are for ordinary conditions. If extraordinary loads are to be placed on the shed, heavier timbers shall be used. Deviations from the requirements may be permitted, provided the same strength of construction is secured, but all such cases must be reported to the Chief Inspector or Superintendent for approval. February 5.

17. Special Order.

Exterior Cornices: Attention is called to the provision of section 91 of the Building Code requiring the exterior cornices, inclusive of those on show windows, except as modified in section 73, on all buildings hereafter erected within the fire limits, to be of some fireproof material. The practice of using wooden brackets and sheathing is not in accordance with this requirement, and inspectors must see that it is discontinued. April 28.

18. Special Order.

Reduction of Live Loads on Columns: The term "stores" in section 130 of the Building Code, for the purpose of determining the carrying capacity of columns, shall be taken to mean mercantile building designed for live loads of less than 150 pounds per square foot of floor surface. For buildings designed for 150 pounds per square foot or more, no reduction of live loads in the design of columns is to be permitted. May 4.

19. Section 25—Regulations for Construction, Inspection and Operation of Elevators.

All vertical hydraulic elevators now in use, the travelling sheaves of which are carried in endless forged straps, shall have them replaced or reinforced in some manner approved by the Superintendent of Buildings. May 2.

20. Modification.

In re Application No. 2155, Alterations, 1908, premises 180 W. 81st st.

In altering an existing five-story tenement to make it comply with the requirements of the Tenement House Law affecting old buildings, it is proposed to remove from the existing shaft the skylight over the same and to line the interior with metal.

A modification of section 48 of the Building Code is requested and hereby granted, so as to permit this type of construction instead of brick or other fireproof wall construction, inasmuch as a strict compliance with the requirements of the Building Code would mean the practical reconstruction of the interior, with a consequent loss of space and a considerable hardship on the owner.

In a conference with the Tenement House Commissioner and the Superintendent of Buildings of the five boroughs, it was agreed that this form of weatherproofing proposed shall be accepted as satisfactory under the conditions as stated above, where the work is made compulsory by the Tenement House Law. April 28.

21. Special Order.

Interpretation of Section 46, Building Code: The provision of section 46 of the Building Code, as to the thickness of walls for stairway and elevator recesses in buildings, is not considered to apply to the walls in skeleton construction. In such construction, where the walls are carried by girders at each story, the minimum thickness of the walls at such recesses shall be 12 inches throughout the building. May 19.

22. Modification.

In re Application No. 808, Alterations, 1910, premises 130 E. 80th st.

On a four-story dwelling house, it is proposed to add an additional story on the front of the building, covering a less area than the story immediately below, and to make the rear wall of this additional story of angle iron frame filled in with terra cotta blocks and covered on the outside with metal.

A modification of sections 27 and 32 of the Building Code is requested and hereby granted, so as to permit this form of construction, inasmuch as the proposed construction is lighter than would be required by a strict interpretation of the Building Code, and is sufficient for the purpose of enclosure walls, and as no additional fire hazard will be incurred. May 6.

Similar modifications have been granted in the following cases:

Application No. 937, Alterations, 1910, premises 552-554 W. 23d st. Application No. 430, New Buildings, 1909, premises 286-288 5th ave. Application No. 712, New Buildings, 1909, premises, southeast corner 77th st. and Broadway. Application No. 98, New Buildings, 1910, premises 40-46 E. 62d st. Application No. 596, New Buildings, 1909, premises Hudson, Leonard and Franklin sts. Application No. 849, New Buildings, 1909, premises 46 Park ave. Application No. 208, New Buildings, 1910, premises, southwest corner 100th st. and Riverside drive. Application No. 41, New Buildings, 1910, premises 128-130 W. 47th st. Application No. 27, New Buildings, 1910, premises 50-54 E. 41st st. Application No. 719, New Buildings, 1909, premises northeast corner 122d st. and Claremont ave.

23. Modification.

In re Application No. 179, New Buildings, 1910, premises northeast corner Pinehurst ave. and 179th st.

In a six-story non-fireproof apartment house it is proposed to build interior brick partition walls called for under section 31 of the Building Code, 12 inches thick in the first and second stories and 8 inches thick above. A strict interpretation of section 31 would require a portion of these interior brick partition walls for a distance of about 16 feet to be 4 inches thicker than just stated.

A modification of section 31 of the Building Code is requested and hereby granted, to permit the walls of the thicknesses as shown, inasmuch as the walls are of sufficient strength and are lacking in proper thickness for only a short distance of their length, and that the intent of the law is complied with so far as the wall thicknesses are concerned.

The modification, however, is granted, on the condition that the partitions in the front portion of the building running from the boiler flue to the front wall, and in the rear portion of the building, running from the staircase hall to the rear wall, separating the two apartments, are built of brick, 12 inches thick in the first and second stories, and 8 inches thick above, so that the floor areas of the building enclosed within the brick partition walls are within 2,000 square feet. May 6.

24. Modification.

In re Application No. 138, New Buildings, 1910, premises southwest corner 3d ave. and 125th st.

In a three-story non-fireproof store and office building, it is proposed to ventilate the toilets into the adjoining premises belonging to the same owner.

A modification of section 120 of the Plumbing and Drainage Regulations is requested and hereby granted, to permit the ventilation into the adjoining premises, as there are ample facilities on the adjoining premises belonging to the same owner, and as provision is made in the plans to carry up an independent shaft for the ventilation of the toilets, in case the means of ventilation to the adjoining premises is at any time cut off. May 16.

Similar modifications have been granted in the following cases:
Application No. 552, New Buildings, 1909, premises southeast corner Broadway and 4th st. Application No. 249, Alterations, 1910, premises 506 5th ave.

25. Modification.

In re Application No. 403, New Buildings, 1908, premises southeast corner 54th st. and 9th ave.

In a three-story car barn, it is proposed to provide a single trap on the waste pipe of each battery of three lavatories in the wash rooms of the employees, instead of providing a separate trap for each separate fixture.

A modification of section 98 of the Plumbing Regulations is requested and hereby granted, to approve the use of one trap for the three lavatories, inasmuch as it is considered that a water seal is better assured under this arrangement, and that the conditions are similar practically to the arrangement permitted for wash trays in Plumbing Rule 99. May 17.

26. Modification.

In re Application No. 713, Alterations, 1910, premises southwest corner 2d ave. and 7th st.

In converting a four-story tenement house into stores and dwelling, it is proposed to enlarge the first and second stories by extending the building at the rear covering the entire lot area; the first and second stories to be used for business purposes.

A modification of section 8 of the Building Code is requested and hereby granted, so as to permit the covering of more than 90 per cent. of the lot area, inasmuch as no portion of the buildg covering more than 90 per cent. of the lot area will be used for living purposes. May 19.

Similar modifications have been granted in the following cases:
Application No. 752, Alterations, 1910, premises 242 W. 27th st. Application No. 292, New Buildings, 1910, premises west side Madison ave., 32 feet north of 177th st. Application No. 2,999, Alterations, 1909, premises 36 W. 26th st.

27. Modification.

In re Application No. 3,003, Alterations, 1909, premises 1552-1554 Broadway.
It is proposed to alter two four-story store and dwelling houses into stores, offices and bachelor apartments, by connecting the two buildings, removing a staircase from one of them and providing an outside staircase from the roof of the existing two-story extension at the rear to the street, connecting this roof with the third and fourth stories of the two buildings by fire escapes.

It is asked to omit the one staircase and accept the proposed outside staircase as a substitute. It is also asked to permit more than 90 per cent. of the lot area to be covered in the portions of the buildings used for business purposes, namely, the first and second stories.

A modification of section 8 of the Building Code, so as to permit the omission of this staircase as proposed, and to permit covering more than 90 per cent. of the lot area, is hereby granted, inasmuch as the buildings as they are to be occupied do not strictly come under the provisions of section 8 of the Building Code, and the exit facilities as proposed are satisfactory and equivalent to what would be required for a building coming under the provisions of that section. And, furthermore, that the portion of the building covering more than 90 per cent. of the lot area is not used for living purposes, and the small two-story extension proposed on the front does not in any way affect the light and ventilation. February 8.

28. Modification.

In re Application No. 521, Alterations, 1910, premises 27 Eldridge st.
It is proposed to alter a four-story and basement dwelling into a loft building, by removing interior partitions and arranging it for business purposes. No change is made in the height or size of the building.

A modification of section 32 of the Building Code is requested and hereby granted, so as to permit the use of the existing walls, inasmuch as they are of sufficient strength for the purposes of the building as altered, and are not being raised in height, and not subject to change whatever. Furthermore, no special advantage would result from the lining of these walls. May 5.

Application No. 768, Alterations, 1910, premises 114 W. 40th st. Application No. 394, Alterations, 1910, premises 21 W. 39th st. Application No. 677, Alterations, 1910, premises 402 6th ave.

29. Modification.

In re Application No. 340, New Buildings, 1910, premises 152-154 William st.
In the construction of a four-story business building, it is proposed to use an existing wall along the northerly lot line, which is 12 inches thick and has a peak construction at the present time, by taking down a portion of the peak construction and reconstructing the wall 12 inches thick for the entire length to a height of a little less than the height of the original peak. The wall was previously a bearing wall for a four-story loft building, so that for its new purpose no additional loads are being placed on this wall. The wall is 12 inches thick for its full height, and, as altered, will be about 48 feet high above the foundations, being 8 feet over the limit for 12-inch walls.

A modification of section 32 of the Building Code is requested and hereby granted, to permit the use of this wall without lining the same, inasmuch as the loads are not increased on the wall beyond what the wall formerly carried, and the excess of height above the limiting height of 40 feet is small, and that the wall is in good condition, and a lining through the first three stories would not add materially to the value of the wall and would sacrifice space on the interior of the building. May 26.

30. Modification.

In re Application No. 955, Alterations, 1910, premises north side of 44th st., 150 feet west of 5th ave.

In altering a two-story stable for the purpose of making an art gallery of the same, it is proposed to raise the existing 8-inch side walls from 2 to 9 feet in height, so as to make a comparatively flat roof of the sloping roof now on the building. The height of the building itself is not increased.

A modification of section 32 of the Building Code is requested and hereby granted, to allow the existing walls to be raised in height, although of unlawful thickness, inasmuch as the building is not raised in height and the loads on the walls are not increased and are of sufficient strength for the new purpose. May 17.

31. Modification.

In re Application No. 306, New Buildings, 1910, premises east side of 1st ave., opposite 27th st., Bellevue Hospital.

In a one-story structure, it is proposed to build the front and rear walls of angle iron frame covered with galvanized iron.

A modification of sections 27 and 32 of the Building Code is requested and hereby granted, to permit this form of construction instead of brick walls, as required, inasmuch as this building is a temporary structure to be removed within about one year's time, and is to be used temporarily during the construction of the new Bellevue Hospital now under way. May 20.

32. Modification.

In re Application No. 832, Alterations, 1910, premises 605 E. 15th street.

In altering a five-story non-fireproof tenement house to meet the requirements of the Tenement House Law (O. B. Violation No. 11347-07), it is proposed, in order to secure the necessary egress from the rear fire escapes, to cut away a portion of the first story extension roof and make a roof of present floor, carrying down the existing sloping wall construction of the second story of the extension through the first story of the same construction as in the second story, namely, angle iron frame covered on the outside with wood sheathing and galvanized iron, and on the inside with wire lath and plaster.

A modification of sections 27 and 32 of the Building Code is requested and hereby granted to permit this construction in lieu of brick walls, inasmuch as the work is made compulsory by the Tenement House Law, and the construction of the brick wall would entail an unnecessarily heavy construction on steel beams over the basement. May 16.

33. Modification.

In re Application No. 16, New Buildings, 1910, premises southwest corner of Broadway and 153d st.

In the plumbing system of a six-story non-fireproof apartment house, it is proposed to use an 8-inch house sewer and drain for the entire premises, which includes an area of a little less than 15,000 square feet, all as indicated in the plumbing and drainage plans as amended April 27, 1910.

A modification of section 76 of the Plumbing and Drainage Regulations is requested and hereby granted, to permit the use of the 8-inch house drain in this case, in view of the fact that the fall of the house drain and sewer from the first leader will be at least three-fourths of an inch to the foot. May 13.

34. Modification.

In re Application No. 893, Alterations, 1910, premises 43-45 Barclay st.

In altering a five-story non-fireproof loft building, consisting practically of two old buildings, separated by a brick wall, with door openings in same, it is proposed to replace two open, unenclosed wooden stairways, one of which is not now continuous but cut off at third story by one fireproof staircase enclosed in fireproof wall construction, and so arranged as to be accessible from all parts of the building.

A modification of section 75 of the Building Code is requested and hereby granted, so as to permit one staircase where the area of the building exceeds 2,500 square feet, inasmuch as the proposed single stair is thoroughly fireproof and affords a better means of exit than would the two present staircases, even if both were available, and the safety of the building is decidedly increased by having the single staircase enclosed. May 12.

35. Modification.

In re Application No. 259, New Buildings, 1910, premises, northeast corner Riverside drive and 99th st.

In a 12-story fireproof apartment house it is proposed to substitute for the brick wall construction in one panel between two adjacent wall columns in each story an angle iron frame construction filled in with terra cotta blocks and covered on the outside with metal, similar to constructions which have been heretofore extensively used for bay windows.

A modification of section 36 of the Building Code is requested and hereby granted, to omit the brick enclosure wall and permit the construction as proposed, inasmuch as the proposed construction is in the nature of a bay window construction, except that it is recessed instead of projecting, the recess being made necessary by the Tenement House Law requirements, and the encroachment on the interior space, in case brick walls were insisted on, cutting away floor space unnecessarily. May 17.

36. Modification.

In re Application No. 270, New Buildings, 1910, premises northeast corner 126th st. and 2d ave.

It is proposed to erect a structure of angle iron frame covered with metal, 28 feet wide, 9 feet deep and 23 feet high, as an entrance gate to an amusement park, the structure representing practically an open archway with ticket booths on each side of the archway.

A modification of sections 27, 32 and 144 of the Building Code is requested and hereby granted, to permit this form of construction in this case, inasmuch as the structure is unusual, is isolated and would hardly justify heavy masonry wall construction. May 25.

37. Modification.

In re Application No. 786, Alterations, 1910, premises 67 1st ave.

In altering an existing five-story tenement to make it comply with the requirements of the Tenement House Law affecting old buildings, it is proposed to enlarge the existing shaft so as to get the necessary area in the same and to reconstruct the walls of this shaft of angle iron frame filled in with terra cotta blocks, covered on the outside with cement, resting on the present masonry walls in the cellar and subcellar.

A modification of section 48 of the Building Code is requested and hereby granted, so as to permit this type of construction instead of brick walls, inasmuch as a strict compliance with the requirements of the Building Code would mean the practical reconstruction of the interior and a loss of space entailing considerable hardship on the owner. April 25.

38. Modification.

In re Application No. 1,148, Alterations, 1910, premises 92 1st ave.

In altering a five-story tenement house, it is proposed to build on the rear a one-story extension about 19 feet in the clear between bearing walls and about 34 feet deep, with 12-inch walls. One of these walls has window openings to the extent of more than 50 per cent. of the horizontal section of the wall. Strictly speaking, this wall should be increased in thickness on account of excessive openings.

A modification of section 31 of the Building Code is requested and hereby granted, to permit the 12-inch walls, as shown, for the bearing wall with over 50 per cent. openings, inasmuch as this extension, if built as an independent structure, might be built with 8-inch walls under section 35 of the Building Code, and the bearing wall then being laid in cement mortar would be of lawful thickness. June 9.

39. Modification.

In re Application No. 1,152, Alterations, 1910, premises 273 Madison ave.

It is proposed to alter a four-story non-fireproof private dwelling by adding one story on the same, making it five stories in height. The additional story is not of the same area as the story below. It is proposed to construct the front wall of this additional story of brick 8 inches thick. A strict interpretation of section 31 of the Building Code would require 12-inch walls.

A modification of section 31 of the Building Code is requested and hereby granted, to permit the use of the 8-inch walls where they cross over the floor below and do not come over the outside walls, inasmuch as the construction is lighter than would be required, and is sufficient for its purpose and does not increase the fire hazard. June 11.

40. Modification.

In re Application No. 1,175, Alterations, 1910, premises 109 E. 57th st.

In altering a five-story dwelling house, it is proposed to add one story to a one-story and basement extension with 8-inch walls, making the walls in the new top story eight inches in thickness, but lining the walls of the lower stories so as to make a 16-inch wall in the basement and first story, the top of the first story walls being taken down and rebuilt with the new portion as a solid 16-inch wall. The extension, as altered, will be 9 1-2 feet wide and 19 feet deep.

A modification of section 31 of the Building Code is requested and hereby granted, to permit the use of the walls as proposed, instead of making 12-inch walls in the top story, inasmuch as the extension is so narrow that the use of 12-inch walls would destroy the usefulness of the new room in the top story, and, as the extension does not much exceed in general dimensions the limiting size for an extension of 8-inch walls to a dwelling house as provided in section 35 of the Building Code. June 24.

41. Modification.

In re Application No. 381, New Buildings, 1910, premises 636-648 W. 50th st.

It is proposed to erect a one-story temporary structure about 17 feet by 15 feet in area, of wood frame, filled in between the studs with terra cotta blocks, the roof to be covered with tar paper. The structure is to stand in an open lot, away from other buildings, the yard being used for the storage of building materials.

A modification of sections 143 and 144 of the Building Code is requested and hereby granted, inasmuch as the building stands isolated and is practically for the same purpose as a builder's temporary shed. June 22.

42. Modification.

In re Application No. 899, Alterations, 1910, premises 2 Wall st.

It is proposed to raise in height an eight-story fireproof office building by adding two stories, and in doing so raising the height of the building from 140 feet to 166 feet, to the highest point of the roof beams. The building in question was constructed before the present Building Code went into effect.

A modification of section 105 of the Building Code is requested and hereby granted, to permit the alteration as proposed without replacing the interior trim and flooring of the existing building with wood treated to render it fireproof, inasmuch as the existing building was constructed before the present Building Code went into effect, and it would mean the practical reconstruction of the entire interior.

to accomplish this, and it is doubtful whether the law intended to apply to existing buildings to be raised in height.

This modification is granted on the condition that all the new portion of the building will have fireproof trim and flooring or wood treated to render it fireproof.

43. Modification.

In re Application No. 1023, Alterations, 1910, premises 250 East Broadway.

In a three-story and basement two-family dwelling, it is proposed to take down the existing peaked gable walls to the present third story ceiling line, and rebuild the gable walls to about the average height of the peak so as to form a flat roof, and at the same time to raise the front and rear walls to the necessary height. The height of the building as altered would be no more than the average height as now existing.

A modification of section 142 of the Building Code is requested and hereby granted, so as to permit this alteration without increasing the wall thicknesses, although the height of the building as altered is 43 feet 8 inches instead of 40 feet, as required by section 142. The modification is granted, inasmuch as the conditions are being improved from the standpoint of the fire hazard, and that the building will be no higher than it now is, and that the loads on the existing walls are practically not increased. May 31.

44. Modification.

In re Application No. 899, Alterations, 1910, premises 2 Wall st.

It is proposed to raise in height an eight-story fireproof office building by adding two stories, and in doing so raising the height of the building from 140 feet to 166 feet, to the highest point of the roof beams. The present walls are not of the required thickness for the increased height, lacking 4 inches in several stories. The walls are of sufficient strength for the additional load and are not loaded in excess of 15 tons per square foot.

A modification of sections 32 and 39 of the Building Code is requested and hereby granted, to permit the use of the existing walls without lining, inasmuch as the walls are of sufficient strength for the additional load; to make them of the lawful thickness would mean a reconstruction of the entire building, and to line the walls would simply be to sacrifice interior space without any compensating features, as no additional strength would practically be secured. June 4.

45. Modification.

In re Application No. 520, New Buildings, 1910, premises north side of 184th st., 100 feet west of Amsterdam ave.

In the construction of two five-story non-fireproof tenement houses, a portion of the rear wall and of the court wall has horizontal openings on the several stories in excess of 45 per cent. of a horizontal section of the wall; in the case of the rear wall 48 per cent., and in the case of the court wall 51 per cent. The rear wall is braced by an interior 8-inch brick partition wall and by short returns at distances not exceeding 16 feet from the cross wall. The court wall is braced by two 8-inch brick walls, forming the stair hall, and by short returns at distances of less than 15 feet from the hall walls. Both walls are to be laid in cement mortar.

A modification of section 28 of the Building Code is requested and hereby granted, to permit the percentage of openings as shown, inasmuch as the walls are of sufficient strength and are thoroughly braced by the interior partition walls and returns above specified. August 12.

46. Modification.

In re Application No. 497, New Buildings, 1910, premises north side of 27th st., 50 feet 10 inches west of 11th ave.

In the construction of a nine-story fireproof warehouse it is proposed to use the existing walls of the present seven-story building. This operation consists practically in the enlarging of an existing non-fireproof storage warehouse, by increasing the same two stories in height and replacing the entire interior construction by fireproof construction. The existing walls are not quite up to the requirements for warehouse walls for the increased height, being 4 inches shy in the third and seventh stories. The building is one of a series of buildings, the walls being party walls between the several buildings. The entire construction is further reinforced by a heavy wall construction through the centre, enclosing a tunnel for the railroad which passes through the series of buildings.

A modification of section 32 of the Building Code is requested and hereby granted, to permit the use of the existing walls of their present thicknesses, inasmuch as the walls are in good condition, are of sufficient strength for the new building, the lining of the same would sacrifice interior space to no special advantage, and the fire hazard is very materially reduced by the replacing of a non-fireproof construction with a fireproof construction. August 5.

47. Modification.

In re Application No. 378, New Buildings, 1910, premises northwest corner of 125th st. and 5th ave.

In a two-story store and office building, the north bearing wall is more than 105 feet in depth, but it is proposed to make it only 12 inches thick, whereas section 32 of the Building Code would require it to be 4 inches thicker on account of the excessive length. The wall is, however, reinforced in the first story by a brick enclosure wall for the stair and has only three window openings in its full length.

A modification of section 32 of the Building Code is requested and hereby granted, to permit the wall of the length proposed without increasing the same in thickness, inasmuch as the building is only two stories high; as the wall is of excessive length only in the second story, without reinforcement; as the wall is of sufficient strength for its purpose and has very few window openings in it, and as the increase of 4 inches in the second story would necessitate an increase of four inches in the first story, although the wall as proposed is of lawful thickness as it is. June 20.

48. Modification.

In re Application No. 1456, Alterations, 1910, premises 32 W. 30th st.

It is proposed to enlarge an existing five-story non-fireproof hotel and restaurant, by constructing an extension 25 feet wide by 61 feet deep and six stories high. Both the existing building and the proposed extension are over 36 feet 6 inches in height, but the proposed extension is to be fireproof throughout.

A modification of section 105 of the Building Code is requested and hereby granted, to permit the enlargement of the existing non-fireproof hotel, inasmuch as the proposed extension is constructed entirely fireproof. July 27.

49. Modification.

In re Application No. 1481, Alterations, 1910, premises 123 W. 85th st.

In altering a four-story and basement private dwelling, it is proposed to raise a two-story and basement extension one story in height, making the same three stories and basement. The height of the extension, as altered, above the ground level will be about 44 feet and about 40 feet above the curb level. The extension itself is 10 feet wide by 12 feet deep, and is constructed practically as a separate building from the main building, inasmuch as the rear wall of the main building goes through from party wall to party wall. The party wall of the extension is 12 inches thick, and will be carried up of that thickness in the new story. The side wall, which is 12 feet long, and the rear wall, which is 10 feet long, are 8 inches thick, and it is proposed to carry it up 8 inches thick in the new story.

A modification of section 31 of the Building Code is requested and hereby granted, to permit raising the 8-inch walls as proposed, inasmuch as the walls are of sufficient strength, and the extension, if considered as a building by itself, would be within the limits fixed by section 31 for 8-inch walls. July 8.

50. Modification.

In re Application No. 304, New Buildings, 1910, premises southeast corner of Hubert and West sts.

In a nine-story fireproof factory building, it is proposed to omit the tie rods between the steel beams. The floor filling approved and to be used in this building consists of 4-inch cinder slabs, reinforced by 9-16 inch round rods, 12 inches on centres, continued over the steel beams and hooked from the far side.

A modification of section 106 of the Building Code is requested and hereby granted, to omit the tie rods in this case, inasmuch as the form of floor filling used does not produce a lateral thrust on the steel beams supporting the arches. July 15.

51. Modification.

In re Application No. 2125, Alterations, 1910, premises 200 W. 136th st.

In a five-story store and apartment house, it is proposed to build an extension on the rear, one story and basement in height, 9 feet wide and 25 feet deep, with 8-inch walls.

A modification of section 35 of the Building Code is requested and hereby granted, to permit the use of 8-inch walls for this extension, inasmuch as the extension complies with the requirements of section 35 of the Building Code, except for the depth of the extension, which is 5 feet in excess of the limit, and the width is very much less than the limiting width. August 29.

52. Modification.

In re Application No. 2226, Alterations, 1908, premises 93-95 William st.

In raising a nine-story fireproof office building to 14 stories in height, the elevator shafts are being extended for the full height of the building. It is proposed to enclose these elevator shafts with grill work of the same construction and design as that already in the lower stories of the building. This grill work complies with the requirements of section 8 of the Regulations relating to passenger elevators, except that in the grill work of the doors of the elevator shafts a space more than 1 1-2 inches wide exists between the several members forming the grill work.

A modification of section 8 of the Regulations governing passenger elevators is requested and hereby granted, to permit the use of the same design for the additional stories as those already existing, inasmuch as a change of design would change the weight of the doors, affecting in a measure the operation of the same by the elevator operator, and as permission is only asked for exception in the case of the doors. August 23.

53. Modifications have been issued similar to those reported in previous bulletins, as indicated below:

Bulletin No. 20—Application No. 929, Alterations, 1910, premises 107 W. 98th st. Application No. 755, Alterations, 1910, premises 1702 Amsterdam ave. Application No. 1927, Alterations, 1910, premises, 1911 2d ave. Application No. 1345, Alterations, 1910, premises 231 E. 89th st. Application No. 1326, Alterations, 1910, premises 101 W. 93d st. Application No. 1580, Alterations, 1910, premises 102 and 104 W. 103d st.

Bulletin No. 22.

Application No. 237, New Buildings, 1910, premises north side of 31st st., 121 feet east of Broadway. Application No. 844, Alterations, 1910, premises 233 to 239 W. 54th st. Application No. 109, New Buildings, 1908, premises east side of West st., 69 feet north of Battery place. Application No. 1230, Alterations, 1910, premises 37 to 43 Wall st. Application No. 415, New Buildings, 1910, premises southeast corner of Broadway and 98th st. Application No. 390, New Buildings, 1910, premises southwest corner of Broadway and 113th st. Application No. 285, New Buildings, 1910, premises southeast corner 156th st. and Riverside drive. Application No. 247, New Buildings, 1910, premises northwest corner 92d st. and Broadway. Application No. 251, New Buildings, 1910, premises 20 E. 73d st. Application No. 303, New Buildings, 1910, premises north side of 55th st., 200 feet east of 9th av. Application No. 1597, Alterations, 1910, premises 471 Park ave. Application No. 1563, Alterations, 1910, premises southwest corner Avenue A and 7th st. Application No. 165, New Buildings, 1910, premises east side 1st ave., 26th to 29th sts. Application No. 1949, Alterations, Application No. 1949, alterations, 1910, premises 13-15 Amsterdam ave. Application No. 571, New Building, 1910, premises northeast corner West End ave. and 89th st. Application No. 475, New Building, 1910, premises 209-219 W. 34th st. Application No. 564, New Building, 1910, premises northwest corner 78th st. and Exterior st. Application No. 2116, Alterations, 1910, premises southwest corner 61st st. and Broadway.

Bulletin No. 23.

Application No. 348, New Building, 1910, premises, southeast corner Sherman ave. and Emerson st. Application No. 396, New Building, 1910, premises, southeast corner 180th st. and Pinehurst ave. Application No. 389, New Building, 1910, premises, south side 179th st., 85 E. Audubon ave. Application No. 448, New Building, 1910, premises southwest corner Emerson st. and Post ave.

Bulletin No. 24.

Application No. 219, New Building, 1910, premises, northeast corner Park ave. and 50th st.

Bulletin No. 26.

Application No. 1122, Alterations, 1910, premises No. 308 E. 3d st. Application No. 1223, Alterations, 1910, premises 439 E. 18th st. Application No. 1608, Alterations, 1910, premises 1562 Broadway. Application 1775, Alterations, 1910, premises 226 E. 23d st. Application No. 1724, Alterations, 1910, premises 2114 3d ave. Application No. 1469, Alterations, 1910, premises 178 2d ave. Application No. 402, New Building, 1910, premises 323 E. 58th st. Application No. 2029, Alterations, 1910, premises 513 Lenox ave. Application No. 2108, Alterations, 1910, premises 513 W. 27th st. Application No. 2144, Alterations, 1910, premises 576 9th ave.

Bulletin No. 28.

Application No. 1863, Alterations, 1910, premises 21 W. 17th st. Application No. 1585, Alterations, 1910, premises 22 E. 30th st. Application No. 1867, Alterations, 1910, premises 249 W. 42d st. Application No. 1516, Alterations, 1910, premises 12 E. 54th st. Application No. 1820, Alterations, 1910, premises 15 Temple st. Application No. 1300, Alterations, 1910, premises 158 Canal st. Application No. 1946, Alterations, 1910, premises 192 Elizabeth st. Application No. 1460, Alterations, 1910, premises 110 E. Houston st. Application No. 1570, Alterations, 1910, premises 118 Forsyth st. Application No. 1521, Alterations, 1910, premises 176 Madison ave. Application No. 2075, Alterations, 1910, premises 40 W. 38th st. Application No. 1898, Alterations, 1910, premises 128 E. 16th st. Application No. 1714, Alterations, 1910, premises southeast corner Broadway and 54th st. Application No. 2176, Alterations, 1910, premises 245 W. 42d st.

Bulletin No. 29.

Application No. 938, Alterations, 1910, premises 34 Cliff st. Application No. 1100, Alterations, 1910, premises 67 Cooper square. Application No. 1719, Alterations, 1910, premises 56 Union square.

Bulletin No. 39.

Application No. 1228, Alterations, 1910, premises northwest corner Cherry and Jefferson sts. Application 1271, Alterations, 1910, premises north side 107th st., 100 feet east Amsterdam ave.

Bulletin No. 44.

Application No. 1316, Alterations, 1908, premises 335 E. 34th st. Application 861, Alterations, 1910, premises 36 W. 26th st. Application No. 1038, Alterations, 1910, premises 325 4th ave. Application No. 1277, Alterations, 1910, premises 109 Cedar st. Application No. 1352, Alterations, 1910, premises 1 W. 46th st. Application No. 1155, Alterations, 1910, premises 543 Madison ave. Application No. 1453, Alterations, 1910, premises 51-53 W. 39th st. September 3.

54. Special Order.

Flushing Valves—Hereafter flushing valves will be considered as ordinary plumbing fixtures, and no special approval for same will be required by this bureau.

So long as they serve their purpose properly and effectively after installation, no objection by this bureau will be raised to the use of any particular type, provided the requirement of the plumbing regulations, that they shall be supplied from tank on the roof, is complied with. October 7.

55. Modification.

In re application No. 2255, Alterations, 1910, premises 519 E. 86th st.

On the outside of a four-story day nursery conducted under charitable auspices, it is intended to erect a balcony or porch of wood beams supported on steel I beams and 6-inch wrought-iron pipe columns. The floor of the porch is at the level of the second story, and is not roofed over, except by a temporary awning. The proposed porch is placed on the side of the building on a vacant lot, part of the same property, 16 feet long and 20 feet wide.

A modification of section 144 of the Building Code is requested and hereby granted, to permit the construction of this porch, as it covers no greater area than would be permitted if the porch were constructed the full length of the building and eight feet wide, as provided in section 144; there is a vacant space of seven feet between this

porch and the adjoining building, so that it does not form a serious hazard to the adjoining property. October 6.

56. Modification.

In re Application No. 620, New Buildings, 1910, premises, southwest corner of Broadway and 135th st.

In a six-story non-fireproof apartment house, the interior brick partition walls, where distance between the outside walls is more than 26 feet, are omitted for spaces of 13 feet at the front end of each of the three wings of the building. The building is divided into sections by interior fire walls, so as to secure substantially the intent of section 31 of the Building Code.

A modification of section 31 of the Building Code is requested and hereby granted, to permit the omission of this short portion of the brick partition walls, inasmuch as the building is divided into sections by fire walls; the wall is omitted for a short distance only in each wing, and the walls being continued to the front wall would seriously interfere with the interior arrangement, cutting an existing room in two. October 3.

57. Modification.

In re Applications No. 575 and No. 616, New Buildings, premises, 656-662 W. 58th st.

In a one-story power house, it is proposed to use concrete for the bearing walls. The building is 32 feet wide by 100 feet long. The roof spans over the entire distance of 32 feet, carried on reinforced concrete girders resting on the walls reinforced by pilasters under the girders. Under a strict interpretation of section 32, the bearing walls should be 16 inches thick on account of the excessive span. The walls as proposed are to be 10 inches thick but reinforced.

A modification of section 32 of the Building Code is requested and hereby granted, to permit the walls of the thickness proposed, inasmuch as they are of concrete reinforced with steel; are further reinforced by buttresses under the girders, are of sufficient strength as proposed and the building is only one story high. October 6.

58. Substitute for Fireproof Shutters.

Fireproof windows will be accepted as substitutes for outside fireproof shutters required by section 104 of the Building Code, when such windows are of the construction approved by the National Board of Fire Underwriters' Laboratories of Chicago. November 22.

59. Modification.

In re Application No. 311, New Building, 1910, premises, southeast corner of 91st st. and 3d ave.

In a ten-story fireproof stock house, it is proposed to use bell traps instead of running traps for cesspools on all floors. In this type of building it is found that running traps are not satisfactory, as a froth or foam develops in the floor washings and seriously interferes with a free and satisfactory drainage, the traps becoming ultimately stopped up. Furthermore, running traps in buildings of this type are liable to freeze, as the temperature of the air surrounding them is generally below freezing point.

A modification of section 97 of the Plumbing and Drainage Regulations is requested and hereby granted, to permit the use of bell traps instead of running traps, for the reasons above stated. November 11.

60. Frame Sheds.

No structure will be considered as a frame shed under the provisions of section 144 of the Building Code, unless all parts of the structure are at least 4 feet from any lot line or other structure, and unless a long side of the shed is left open. November 30.

61. Modifications Have Been Issued Similar to Those Reported in Previous Bulletins, as Indicated Below.

Bulletin No. 20.

Application No. 2218, Alterations, 1910, premises, 62 E. 120th st. Application No. 2568, Alterations, 1910, premises, 1457 1st ave. Application No. 2604, Alterations, 1910, premises, 1451-1453 1st ave.

Bulletin No. 22.

Application No. 558, New Buildings, 1910, premises, northwest corner of West End ave. and 82d st. Application No. 559, New Buildings, 1910, premises, 318-320 E. 32d st. Application No. 577, New Buildings, 1910, premises, southeast corner of Riverside drive and 88th st. Application No. 1749, Alterations, 1910, premises, 16-20 W. 32d st. Application No. 2184, Alterations, 1910, premises, 26 E. 58th st. Application No. 614, New Buildings, 1910, premises, 556-558 5th ave. Application No. 2362, Alterations, 1910, premises, 2 W. 53d st. Application No. 2077, Alterations, 1910, premises, 58 E. 88th st. Application No. 2202, Alterations, 1910, premises, 817-819 Madison ave. Application No. 1338, Alterations, 1910, premises, 882-884 Park ave. Application No. 629, New Buildings, 1910, premises, 1-7 Dominick st. Application No. 1681, Alterations, 1910, premises, 18 W. 63d st. Application No. 623, New Buildings, 1910, premises, southeast corner of Park ave. and 78th st. Application No. 2434, Alterations, 1910, premises, northwest corner of Spring and Macdougall sts.

Bulletin No. 22.

Application No. 680, New Buildings, 1910, premises, 34 E. 70th st. Application No. 1625, Alterations, 1910, premises, 60 E. 75th st. and 812 Park ave.

Bulletin No. 24.

Application No. 573, New Buildings, 1910, premises, south side of 56th st., 95 feet east of 1st ave. Application No. 2090, Alterations, 1910, premises, 360 W. 42d st. Application No. 493, New Buildings, 1910, premises, 49 Manhattan st.

Bulletin No. 26.

Application No. 2165, Alterations, 1910, premises, 436 W. 18th st. Application No. 599, New Buildings, 1910, premises, north side of 115th st., 500 feet west of Lenox ave. Application No. 2270, Alterations, 1910, premises, 236-238 W. 43d st. Application No. 1545, Alterations, 1910, premises, 222 W. 47th st. Application No. 2340, Alterations, 1910, premises, 109 East Broadway.

Bulletin No. 28.

Application No. 1734, Alterations, 1910, premises, 49-51 1st st. Application No. 2165, Alterations, 1910, premises, 436 W. 18th st. Application No. 2171, Alterations, 1910, premises, 422 Madison ave. Application No. 1779, Alterations, 1910, premises, 649 Water st. Application No. 1744, Alterations, 1910, premises 1470 1st ave. Application No. 2219, Alterations, 1910, premises, 24 W. 57th st. Application No. 2359, Alterations, 1910, premises, 350 W. 23d st. Application No. 2446, Alterations, 1910, premises, 814 Columbus ave. Application No. 2497, Alterations, 1910, premises, 128 W. 26th st. Application No. 1747, Alterations, 1910, premises, 56 W. 37th st. Application No. 2574, Alterations, 1910, premises, 19 W. 26th st.

Bulletin No. 48.

Application No. 2454, Alterations, 1910, premises, 233 Mott st.

Bulletin No. 50.

Application No. 1201, Alterations, 1910, premises, 231-249 W. 39th st. Application No. 758, New Buildings, 1909, premises, north side of 77th st., south side of 78th st., 173 feet east of Avenue A. Application No. 576, New Buildings, 1910, premises, northwest corner of Reade st. and Broadway. Application No. 592, New Buildings, 1910, premises, 327-335 E. 29th st. Application No. 465, New Buildings, 1910, premises, 91 William st. and 63 Maiden lane.

APPENDIX "B"

Approved Fireproof Floor Constructions.

Name.	Maximum Span		Approved Live Load.	Thickness of Material.
	Ft.	In.	Lbs., sq. ft.	
American	5	6	150	5-inch cinder-concrete slab, 6-inch fill.
American Concrete-Steel I	6	0	200	34-inch cinder-concrete slab, 2-inch fill.

Name.	Maximum Span		Approved Live Load.	Thickness of Material.
	Ft.	In.	Lbs., sq. ft.	
American Concrete-Steel II	6	0	150	34-inch cinder-concrete slab.
American Concrete-Steel III	6	0	150	34-inch cinder-concrete slab, 7-inch fill.
American Steel & Wire Co.	8	0	150	Five-inch cinder-concrete slab, triangular mesh, style No. 38.
American Steel & Wire Co.	8	0	150	Five-inch cinder-concrete slab, triangular mesh, style No. 26.
American Steel & Wire Co.	7	0	150	Four-inch cinder-concrete slab, triangular mesh, style No. 26.
American Steel & Wire Co.	7	6	95	Four-inch cinder-concrete slab, triangular mesh, style No. 4.
American Steel & Wire Co.	6	0	400	Four-inch cinder-concrete slab, triangular mesh, style No. 24.
American Steel & Wire Co.	7	0	300	Four-inch cinder-concrete slab, triangular mesh, style No. 24.
American Steel & Wire Co.	5	0	150	Four-inch cinder-concrete slab, triangular mesh, style No. 23.
American Steel & Wire Co.	6	0	150	Four-inch cinder-concrete slab, triangular mesh, style No. 27.
Atlas	6	0	150	Three-inch cinder-concrete blocks, segmental, one-inch fill.
Atlas	6	0	150	Three-inch cinder-concrete slab, five-inch fill.
Atlas	6	0	60	Three and one-half-inch cinder-concrete slab.
Atlas	6	0	150	Three and one-half-inch cinder-concrete slab, two-inch fill.
Bailey	5	0	150	Five and one-half-inch cinder-concrete slab, dovetail metal center, one and one-half-inch fill.
Cellular Steel	2	6	150	Two-inch stone-concrete slab, one-inch mortar finish, dovetail metal center.
Cemetal	7	6	150	Two and one-half-inch cinder-concrete slab, two and one-half-inch fill.
Cemetal	7	6	150	Two and one-half-inch cinder-concrete slab, one-inch fill.
Cemetal	6	4	385	Two and one-half-inch cinder-concrete slab, one and one-half inch fill.
Cemetal	6	0	225	Two-inch cinder-concrete slab, two-inch fill.
Cemetal	6	0	60	Two-inch cinder-concrete slab.
Cerutti	3	8	150	Hollow concrete beams laid side by side, wire reinforcement.
Clinton Wire Cloth	15	0	150	Six-inch stone-concrete slab, two-inch fill.
Clinton Wire Cloth	6	0	350	Four-inch cinder-concrete arch, segmental.
Clinton Wire Cloth	6	0	150	Four-inch cinder-concrete slab.
Clinton Wire Cloth	6	0	200	Four-inch cinder-concrete slab, No. 6-No. 10 wire, 3-inch by 12-inch mesh.
Clinton Wire Cloth	6	0	150	Four-inch cinder-concrete slab, No. 8-No. 10 wire, 3-inch by 12-inch mesh.
Clinton Wire Cloth	8	0	250	Four-inch cinder-concrete slab, No. 5-No. 9 wire, 3-inch by 12-inch mesh.
Clinton Wire Cloth	6	6	300	Four-inch cinder-concrete slab, No. 5-No. 9 wire, 4-inch by 12-inch mesh.
Clinton Wire Cloth	7	6	200	Four-inch cinder-concrete slab, No. 7-No. 10 wire, 4-inch by 12-inch mesh.
Columbian	15	..	75	Five-inch slag concrete slab, 34-inch Columbian bars, 24 inches on centers.
Columbian	6	0	150	Four-inch cinder-concrete slab, two-inch fill.
Columbian	6	0	150	Three-inch cinder-concrete slab, two-inch fill.
Columbian	15	0	150	Six and one-quarter-inch slag-concrete slab, two-inch fill.
Corrugated Bar Co.	7	0	110	Four-inch cinder-concrete slab, 1-inch corrugated bar, 8 inches on centers.
Corrugated Bar Co.	6	0	150	Four-inch cinder-concrete slab, 1-inch corrugated bars, 9 inches on centers.
Corrugated Bar Co.	5	0	150	Four-inch cinder-concrete slab 1-inch corrugated bars, 9 inches on centers.
Corrugated Bar Co.	8	0	150	Five-inch cinder-concrete slab, 1-inch corrugated bar, 3 inches on centers.
De Man	6	0	150	Five-inch cinder-concrete slab.
De Man	4	0	150	Three and one-half-inch cinder-concrete slab.
De Man	6	0	225	Five-inch cinder-concrete slab.
De Man	6	0	300	Six-inch cinder-concrete arch, segmental.
DuMazuel	6	0	150	Three and seven-eighth-inch cement slab, No. 24 ribbing.
Excelsior	6	0	150	Five and one-half-inch cinder-concrete slab, two-inch plaster and cinders.
Expanded Metal	4	0	150	Four-inch cinder-concrete slab, two-inch fill.
Expanded Metal	6	0	82	Three and one-half-inch cinder-concrete slab, 14-inch fill.
Expanded Metal	6	0	182	Four-inch cinder-concrete arch, segmental.
Expanded Metal	6	0	412	Four-inch cinder-concrete slab, five-inch fill.
Expanded Metal	5	0	150	Four-inch cinder-concrete slab, 14-inch mortar finish.
Expanded Metal	6	0	240	Five-inch stone-concrete arch, segmental, two-inch fill.

Name.	Maximum Span.		Approved Live Load.	Thickness of Material.
	Ft.	In.		
Expanded Metal	5	0	600	Nine-inch stone-concrete slab.
Expanded Metal	15	0	150	Four-inch cinder-concrete arch, segmental.
Freeman-Dobbin	4	11	75	Four-inch terra cotta arch.
Fawcett	2	0	150	Three-inch tile dome.
Guastavino	14	0	150	Three-inch segmental tile arch, 1-inch fill.
Guastavino	17	0	75	Two-inch segmental tile arch.
Guastavino	6	0	250	Four-inch segmental tile arch.
Guastavino	10	0	370	Three-inch segmental tile arch.
Guastavino	12	0	312	Three-inch segmental tile arch.
Guastavino	25	0	165	Five-inch cinder-concrete slab.
International Fence and Fireproofing Co.	6	0	150	Five-inch cinder-concrete slab, five-inch fill (cinder) angle reinforcement.
Klotz	6	0	150	Five-inch cinder-concrete slab, five-inch fill (cinder) angle reinforcement.
Klotz	6	...	150	Five-inch cinder-concrete slab, 5-inch fill.
Krolman	6	0	150	Five and one-half-inch cinder-concrete slab, 2½-inch fill.
Menczarski	6	0	150	Five-inch cinder concrete slab, 2-inch fill.
Menczarski	5	0	150	Four and one-half-inch cinder concrete slab, 1½-inch fill.
Menczarski	4	0	150	Four-inch, four and one-half-inch and five-inch plaster composition.
Metropolitan	6	0	Computed	Seven-inch cinder concrete slab.
Moeslein	6	0	75	Nine-inch cinder concrete slab.
Moeslein	6	0	150	Five-inch cinder concrete slab.
Moeslein	4	0	75	Four-inch cinder concrete segmental arch.
Moeslein	6	0	150	Two-inch and 1½-inch cinder concrete slabs air space, and 3-inch by 10-inch concrete beams, 2 feet on centres.
Merrick	7	6	150	Three-inch stone-concrete slab, dovetail metal center.
National Cellular Steel Co.	6	0	150	Six-inch hollow tile, metal reinforcement.
National	6	0	150	Eight-inch hollow tile, metal reinforcement.
National	7	6	150	Four-inch cinder concrete slab.
Pierce	7	0	150	Four-inch cinder concrete slab.
Pierce	6	0	150	Four-inch cinder concrete slab.
Pierce	4	0	250	Four-inch cinder concrete slab, 3-inch fill, 1-inch cement, 1x½ bar, 8 inches on centres.
Pierce	6	0	200	Six-inch cinder concrete slab.
Rapp	6	0	120	Four-inch cinder concrete slab, 1x½ bar, 8 inches on centres.
Rapp	7	0	170	Seven-inch cinder concrete slab, 3-inch fill.
Rapp	4	0	150	Four and one-half-inch cinder concrete slab, diagonal reinforcement.
Rapp	6	0	150	Four and one-half-inch cinder concrete slab, metal lath reinforcement.
Rapp	5	6	150	Four and one-half-inch cinder concrete slab, angle or "T" reinforcement.
Rapp	5	6	150	Three-inch cinder concrete slab.
Rapp "I"	5	0	60	Seven-inch cinder concrete slab.
Rapp "II"	5	0	60	Four and one-half-inch cinder concrete segmental arch.
Rapp "B"	6	0	300	Six-inch cinder concrete and brick slab.
Rapp "D"	6	0	150	Six and one-half-inch cinder concrete and brick segmental arch.
Rapp "B"	10	0	300	Six and one-half-inch cinder concrete and brick segmental arch.
Rapp "A"	12	0	300	Seven and one-half-inch cinder concrete and brick slab.
Rapp "D"	6	0	60	Four and one-half-inch cinder concrete slab, 2x½ bars, 16 inches on centres.
Roebing	7	6	175	Two-inch cinder concrete segmental arch, 2-inch fill.
Roebing	4	0	360	Four-inch cinder concrete slab.
Roebing "B" 4	5	6	100	Four-inch cinder concrete slab.
Roebing "B" 1	5	6	200	Four-inch cinder concrete slab, 1-inch mortar finish.
Roebing "B" 1	5	6	350	Four-inch cinder concrete slab, 1-inch mortar finish.
Roebing "B" 1	6	0	175	Four-inch cinder concrete slab.
Roebing "B"	6	0	150	Four-inch cinder concrete slab.
Hanger	6	0	120	Four-inch cinder concrete slab.
Roebing "B"	6	0	160	Four-inch cinder concrete slab.
Roebing	6	0	160	Five-inch cinder concrete slab.
St. Louis Expanded Metal	8	0	150	Four-inch cinder concrete segmental arch.
Schratwieser "A"	6	0	400	Five-inch cinder concrete segmental arch.
Schratwieser "B"	6	0	500	Seven-inch cinder concrete slab.
Schratwieser "E"	6	0	200	Four and one-half-inch cinder concrete slab.
Schratwieser "F"	6	0	557	Three-inch cinder concrete blocks, 6-inch slab.
Schratwieser "G"	6	0	300	Two-inch cinder concrete blocks, 2-inch fill.
Schratwieser "G" 2	6	0	275	Four-inch cinder concrete segmental arch.
Schratwieser "H"	6	0	800	Ten and one-half-inch and nine and one-half-inch hollow mortar beams.
Sieglwart	16	6	150	Five-inch cinder concrete slab, 7-inch fill.
Sprickerhoff & Scharnberger	5	6	150	Five-inch cinder concrete slab, 5-inch fill.
Sprickerhoff & Scharnberger	4	6	150	Five-inch cinder concrete slab, 5-inch fill.
Sprickerhoff & Scharnberger	3	6	150	Four and one-half-inch cinder concrete segmental slab Hy-rib.
Trussed Concrete Steel Co.	8	0	350	Four-inch cinder concrete slab.
Trussed Concrete Steel Co.	6	0	250	Four-inch cinder concrete slab, No. 8 rib metal.
Trussed Concrete Steel Co.	8	0	160	Four-inch cinder concrete slab, No. 6 rib metal.
Trussed Concrete Steel Co.	6	0	120	Three-inch cinder concrete slab, No. 8 rib metal.
Trussed Concrete Steel Co.	7	0	205	Four-inch cinder concrete slab, No. 6 rib metal.
Trussed Metal Lath ...	16	0	150	Two and one-half-inch and two-inch double concrete slab, Kuhne trussed metal lath.
Unit	8	0	150	Five-inch cinder concrete slab, No. 5-No. 11 wire, 4-inch by 12-inch mesh.
Unit	5	0	150	Four-inch cinder concrete slab, No. 7-No. 11 wire, 4-inch by 12-inch mesh.
Waite	14	0	150	Four and one-half-inch cinder concrete slab, 10½-inch concrete girders, 5 feet on centres.
Waite	7	0	150	Four-inch cinder concrete slab, 1-inch by ½-inch channels, 18 inches on centres.
Waite	8	0	90	Five-inch cinder concrete slab, 1-inch by ½-inch channels, 16 inches on centres.
Waite	8	0	90	Five-inch cinder concrete slab, 1-inch by ½-inch channels, 14 inches on centres.
Waite	8	0	150	Four-inch by twelve-inch concrete lintels, ½ inches round bar, 18 inches on centres.
Waite	7	0	160	Four-inch cinder concrete slab, ½-inch bars, 8 inches on centres.
Waite	3	0	150	Two and one-half-inch cinder concrete slab, 2-inch fill.
Waite	4	0	150	Three-inch cinder concrete slab, 2-inch fill.
Waite	5	0	150	Three and one-half-inch cinder concrete slab, 2-inch fill.
Waite	6	0	150	Four-inch cinder concrete slab, 2-inch fill.
Waite	3	0	150	Two and one-half-inch cinder concrete blocks.
Waite	4	0	200	Three-inch cinder concrete blocks.
Waite	5	0	300	Three and one-half-inch cinder concrete slab.
Waite	6	0	250	Four-inch cinder concrete slab.
Waite	7	0	150	Twelve-inch cinder concrete inverted Ts.
Waite	3	6	150	Three-inch cinder concrete slab.
Waite	6	0	120	Four-inch cinder concrete blocks.
Waite	5	0	155	Three and one-half-inch cinder concrete slab.
Waite	6	0	165	Four-inch cinder concrete slab.
Waite	6	0	150	Ten-inch cinder concrete inverted Ts.
Waite	5	0	120	Three and one-half-inch cinder concrete blocks.
Wight-Easton A-1	6	0	150	Four and one-half-inch cinder concrete slab.
Wight-Easton, B-1 and C-1	6	0	150	Four and one-half-inch and two-inch double cinder concrete slab.
Wight-Easton, D-1	5	0	150	Five-inch cinder concrete slab, 3-inch fill.
Wight-Easton, A-2	6	0	60	Three and one-half-inch cinder concrete slab.
Wight-Easton, B-2	6	0	150	Four and one-half-inch cinder concrete slab.
Wight-Easton, C-2	6	0	140	Four-inch cinder concrete slab.
Wight-Easton, D-2	6	0	150	Four and one-half-inch cinder concrete slab.
Wight-Easton, E-2	6	0	150	Four and one-half-inch cinder concrete slab.
Wight-Easton, F-2	6	0	140	Four-inch cinder concrete slab.
Wight-Easton, A-3, B-3 ..	6	0	300	Four-inch segmental and two and one-half-inch flat cinder concrete arch.
Wight-Easton, C-3, D-3 ..	6	0	225	Four-inch segmental and two-inch flat cinder concrete arch.
White	6	1	150	Five-inch cinder concrete slab, 8-inch fill.
White	6	1	230	Four-inch cinder concrete slab, 2-inch fill.
White	5	6	370	Four-inch cinder concrete slab.
White	5	6	415	Five-inch cinder concrete slab.
White	7	0	215	Four and three-eighths-inch cinder concrete slab, two-inch fill, 9-16-inch round bars, 12 inches on centres.
White	8	0	215	Five-inch cinder concrete slab, two-inch fill (cinders), 9-16-inch round bars, 9 inches on centres.
White	8	0	210	Four-inch cinder concrete slab, two-inch fill (cinder), 9-16-inch round bars, 9 inches on centres.
White	7	0	225	Four-inch concrete slab, 2-inch fill (cinder), 9-16-inch round bars, 12 inches on centres.

APPENDIX "C."

Fireproof Partitions Approved by the Bureau of Buildings, Borough of Manhattan.
George F. Averill—2-inch block, sawdust and hydraulic cement; 1-inch by 3-16-inch uprights, Schratwieser metal lath; plastered 2½-inch thick.
Harry W. Bell—2-inch solid and 3-inch hollow blocks; 2-5 plaster, 3-5 cinders and a small quantity of other materials, averaging about ½ pound per square foot. Tested August 26, 1901. Report of W. W. Ewing.
Brinkman—1½-inch and 2-inch solid porous terra cotta blocks, metal stiffeners for the former. Report of W. W. Ewing, September 14, 1901. 2-inch solid porous terra cotta blocks. Report of W. W. Ewing, October 14, 1901.
Dillman Fireproof Construction Co. (Formerly Gatins)—2-inch and 3-inch solid blocks; Plaster of Paris, lime and ground cinders, reinforced with dowels. Tested April 26, 1905. Report of A. Schwartz, April 29, 1905. Approved May 29, 1905.
Duffy, J. P.—2½-inch solid and 4-inch hollow blocks, 1 part Plaster Paris, 3 parts steam cinders. Tested November 12, 1906. Report of A. Schwartz, as to construction, November 5, 1906. Approved April 24, 1907.

Freeman-Dorbin Fireproofing Co.—Blocks, 1 Plaster of Paris, 1/2 excelsior, 1/2 wood fibre, 1 silicate of loam and carbonate of lime. Report of W. W. Ewing, September 20, 1901. Cinders substituted for wood fibre. Approved November 14, 1902.

General Fireproofing Co.—Channel and T uprights, expanded metal and Patent plaster, 2 1/4 inch and 2 1/2 inch thick. Tested May 29, 1902. Report of A. Schwartz, June 3, 1902.

The Gypsinite Co.—3-inch by 3-inch plaster studs with wood strips 16 inch on centres, expanded metal lath and plastered both sides. Tested August 12, 1905. Reports of A. Schwartz, July 28 and August 12, 1905. Approved August 14, 1905.

Interlocking Fireproof Block Co. (Jas. J. Conroy)—3-inch hollow block, Plaster Paris and fine cinders. Tested September 22 and October 20, 1904. Report of A. Schwartz, October 21, 1904. Approved October 22, 1904.

International Fireproofing Co.—3-inch and 4-inch hollow blocks, former, plaster 25 parts, excelsior 2 1/4 parts, shavings 3/4 parts; latter, plaster 30 parts, excelsior 3 parts and shavings 1 part. Tested October 8, 1906. Approved September 27, 1907. July 22, 1910—Plaster 30 pounds, excelsior 3 pounds, shavings 1 pound.

Keystone Fireproofing Co.—2-inch solid and 3-inch hollow blocks, gypsum and wood fibre. Tested August 9, 1909. Report of A. Schwartz, September 1, 1909. Approved September 1, 1909.

A. E. Klotz Fireproofing Co.—2 1/2-inch and 3-inch blocks, Plaster Paris, lime and ground cinders. Report of A. Schwartz, April 11, 1905, March 31, 1905. Approved April 14, 1905.

Marsden, M. W.—2-inch and 2 1/2-inch blocks, silicate of alumina and silica, sulphate of lime, magnesia and iron. Tested December 12, 1904. Report of A. Schwartz, December 21, 1904. Approved December 23, 1904.

Maurer and National—2-inch and 3-inch hollow terra cotta blocks, porous; the former reinforced in the horizontal joints. Report of W. W. Ewing, Report of A. Schwartz, September 20, 1904. Approval of modification of reinforcement September 20, 1904.

Metropolitan Fireproofing Co.—2-inch blocks, clips at joints, Plaster of Paris 75 per cent., wood chips 20 per cent., cocoa fibre 2 1/2 per cent., asbestos 2 1/2 per cent. Report of W. W. Ewing, September 14, 1901.

Moeslein Ceiling Works—T uprights, perforated sheet metal both sides, plastered both sides with Patent plaster 3 inches thick. Report of W. W. Ewing, October 22, 1901.

New York Expanded Metal—1-inch by 3-16-inch steel uprights, expanded metal, plastered solid 2 1/2 inches thick. Report of W. W. Ewing, October 21, 1901.

Norman Fireproof Construction Co.—2-inch block, Plaster Paris 2 parts, wood fibre one part and a small quantity of cocoa fibre. Tested August 26, 1901. Report of W. W. Ewing.

Rader, A. C.—2-inch solid and 3-inch hollow plaster and terra cotta blocks. Report of A. Schwartz, October 20, 1903. Approved October 21, 1903.

Roebeling Construction Co.—Metal studs, wire cloth plastered, 2-inch solid and 3-inch hollow. Report of W. W. Ewing.

Scaglioline Brick & Fireproof Co.—3-inch blocks, plaster and cinders, No. 12 wire reinforcement in horizontal joints. Tested May 10, 1905. Report of A. Schwartz, May 19, 1905. Approved May 23, 1905.

Sanitary Fireproofing & Contracting Co.—2-inch and 3-inch solid blocks, one plaster, two ashes and fluid cement. Tested August 26, 1901. Report of W. W. Ewing, September 14, 1901. Approved May 10, 1906.

Sprickerhoff, George—3-inch hollow block, one part Portland cement, one part sand, five parts steam ashes. Tested August 26, 1901. Report of W. W. Ewing.

Schratweiser, C.—1-inch angle stud 16 inch on centres, Schratweiser sheet metal lath, plaster solid 2 inches thick. 1-inch angle stud 12 inch or 16 inch on centres, Schratweiser sheet metal lath on both sides, plastered both sides, total thickness 3 inches, including air space. Report of W. W. Ewing, September 14, 1901. 4-inch metal lath and cinder concrete partition. Report of A. Schwartz, January 21, 1905. Approved January 21, 1905.

Truss Concrete Steel Co.—Hyrrib, 3 or 4 rib Hyrrib No. 28 gauge, plastered both sides to a total thickness of 2 inches. Rib Lath—Rib Lath No. 2 wired to 3/4-inch channel or angle stud, 16 inches on centres, plastered to a total thickness of 2 inches.

Truss Metal Lath Co.—2-inch and 2 1/2-inch thick partition, Kuhne trussed metal lath and Patent Plaster, also metal lath and gauged lime mortar. Tested August 24, 1904. Report of A. Schwartz, September 9, 1904. Approved September 9, 1904.

Union Fireproof Co.—2-inch and 2 1/2-inch solid and 4-inch hollow blocks, Plaster 55 per cent., cinders 35 per cent., and asbestos and Portland cement 10 per cent. Tested March 6, 1906. Report of F. H. Dewey. Approved March 18, 1909.

U. S. Gypsum Co.—2-inch solid and 3-inch hollow blocks, Plaster Paris 20 pounds, cocoa fibre 15 pounds. Report of A. Schwartz, November 10, 1905. Tested November 6, 1905. Approved November 16, 1905. 2 1/4-inch solid partition reinforced with No. 10 wire diagonally, spaced 18 inches on centres. Tested November 4, 1908. Report of F. McGarry, October 16 and December 1, 1908. Approved December 1, 1908.

Waite, Guy B.—2-inch block, one part Plaster Paris, three parts screened cinders. Report of A. Schwartz, September 5 and October 8, 1903. Tested October 2, 1903. Approved October 9, 1903. 2-inch blocks, one Portland cement to 4 1/2 screened cinders. Blocks set up double with clips. Reports of A. Schwartz, May 18 and June 27, 1904. Tested June 18, 1904. Approved June 27, 1904.

White Fireproof Construction Co.—2-inch solid and 3-inch hollow blocks, 5 to 10 per cent. of excelsior, 15 per cent. of asbestos, 75 to 80 per cent. of Plaster of Paris. Tested August 26, 1901. Report of W. W. Ewing.

Wise Fireproofing & Construction Co.—2-inch and 3-inch solid blocks, Plaster of Paris, cinders and liquid cement. Tested April 27, 1906. Report of A. Schwartz, May 7, 1906. Approved May 10, 1906.

APPENDIX "D."

Regulations of the Bureau of Buildings for the Borough of Manhattan for the Testing of New Materials of Construction.

1. These regulations are to apply to all such new materials as are used in building construction, in the same manner and for the same purposes as natural stones, brick and concrete are now authorized by the Building Code.

2. Before any such material is used in buildings, an application for its use and for a test of the same must be filed with the Superintendent of Buildings. A description of the material and a brief outline of its manufacture must be embodied in the application.

3. The material must be subjected to the following tests: Transverse, Compression, Absorption, Freezing and Fire. Additional tests may be called for when, in the judgment of the Superintendent, the same may be necessary. All such tests must be made at some laboratory of recognized standing, under the supervision of the Engineer of the Bureau of Buildings. The tests will be made at the expense of the applicant.

4. The results of the tests, whether satisfactory or not, must be placed on file in the Bureau of Buildings. They shall be open to public inspection, but need not necessarily be published.

5. For the purpose of the tests, at least fifteen samples or test pieces must be provided. Such samples must represent the ordinary commercial product. They may be selected from stock by the Superintendent of Buildings or his representative, or may be made in his presence, at his discretion. The samples must be approximately eight inches long, four inches wide and two inches thick. In cases where the material is made and used in special shapes or forms, full size samples may also be called for and tested in such manner as may be directed by the Superintendent of Buildings, to determine the physical characteristic specified in Regulation 3.

6. The samples may be tested as soon as desired by the applicant, but in no case later than sixty days after manufacture.

7. The weight per cubic foot and specific gravity of the material must be determined.

8. These tests shall be made in series of at least five, except that in the fire tests a series of two (four samples) is sufficient. The transverse tests shall be made first on full size samples (8 by 4 by 2). The resulting half samples are then used for the compression and absorption tests, but in no case must both halves of the same piece be used in either series. Half samples may also be used for the freezing and fire tests under the same restrictions. The remaining samples are kept in reserve, in case unusual flaws or exceptional or abnormal conditions make it necessary to discard certain of the tests. All the samples must be marked for identification and comparison.

9. The transverse tests shall be made as follows: The sample shall be placed flatwise on two rounded knife-edge bearings set parallel, seven inches apart. A load is then applied on top, midway between the supports, and transmitted through a similar rounded edge, until the sample is ruptured. The modulus of rupture shall then be determined by multiplying the breaking load in pounds by twenty-one (three times the distance between supports in inches), and dividing the result by twice the product of the width (approximately four) in inches by the square of the depth (approximately two) in inches.

10. The compression test shall be made as follows: The sample must first be thoroughly dried to a constant weight. It must be carefully measured, then bedded flatwise either in Plaster of Paris or blotting paper, to secure a uniform bearing in the testing machine, and crushed. The total breaking load is then divided by the area in compression in square inches.

11. The absorption test must be made as follows: The sample is first thoroughly dried to a constant weight. The weight must be carefully recorded. It is then placed in a pan or tray of water, immersing it to a depth of not more than one-half inch. It is again carefully weighed at the following periods: Thirty minutes, four hours and forty-eight hours, respectively, from the time of immersion, being replaced in the water in each case as soon as the weight is taken. Its compressive strength, while still wet, is then determined at the end of the forty-eight hour period, in the manner specified in Regulation 10.

12. The freezing test is made as follows: The sample is immersed, as described in Regulation 11, for at least four hours, and then weighed. It is then placed in a freezing mixture or a refrigerator, or otherwise subjected to a temperature of less than fifteen degrees Fahrenheit, for at least twelve hours. It is then removed and placed in water, where it must remain for at least one hour, the temperature of which is at least one hundred and fifty degrees Fahrenheit. This operation is repeated twenty times, after which the sample is again weighed while still wet from last thawing. Its crushing strength should then be determined, as called for in Regulation 10.

13. The fire test must be made as follows: Two samples are placed in a cold gas furnace, in which the temperature is gradually raised to seventeen hundred degrees Fahrenheit in one hour. One of the samples is then plunged in cold water (about fifty to sixty degrees Fahrenheit) and results noted. The second sample is permitted to cool gradually in air, and the results noted.

14. The following requirements must be met to secure an acceptance of the materials: The modulus of rupture must average four hundred and fifty and must not fall below three hundred and fifty in any case. The ultimate compressive strength must average three thousand pounds per square inch and must not fall below twenty-five hundred in any case. The percentage of absorption (being the weight of water absorbed divided by the weight of the dry sample) must not average higher than fifteen per cent. and must not exceed twenty per cent. in any case. The reduction of compressive strength must not be more than thirty-three and one-third per cent., except that when the lower figure is still above three thousand pounds per square inch, the loss in strength may be neglected. The freezing and thawing process must not cause a loss in weight greater than ten per cent., nor a loss in strength of more than thirty-three and one-third per cent., except that when the lower figure is still above three thousand pounds per square inch, the loss in strength may be neglected. The fire test must not cause the material to disintegrate. (Note—No great stress will be laid on this last test.)

15. The approval of any material is given only under the following conditions: (a) A brand mark for identification must be impressed on, or otherwise attached to the material.

(b) A plant for the production of the material must be in full operation when the official tests are made.

(c) The name of the firm or corporation and the responsible officers must be placed on file with the Superintendent of Buildings, and changes in same promptly reported.

(d) The tests must be repeated at any time when called for, on samples selected from the open market, where there is any doubt whether the product is up to the standard of these regulations.

(e) In case the results of the tests made under this condition (d) should show that the standard of these regulations is not maintained, the approval of this Bureau will be at once suspended or revoked.

April 3, 1905.

APPENDIX "E."

Results of Tests of New Materials—Brick, etc. 1906-1910.

Series A-1 and B-2 are tests on concrete brick.

Series G-7, H-8 and I-9 are tests on clinker and cement brick.

The balance are tests on sand lime brick.

Series.	Modulus of Rupture.	Compression, pounds per square inch.			Per cent. of Absorption by Weight.	Change in Weight by Freezing.	Specific Gravity.	Weight in Pounds per cu. ft.
		Dry.	Wet.	Frozen.				
A-1	923	....	....	....	....	....	....	....
	892	....	....	....	....	....	....	....
	965	3832	....	....	....	....	....	....
	570	3731	....	....	....	....	....	....
	682	3322	3288	....	8.8	....	....	....
Av.	806	3628	3288	....	8.8	....	....	....
B-2	640	3382	3473	....	9.2	....	....	....
	530	4955	3333	....	9.5	....	....	....
	579	3825	3038	5190	10.1	1.1	....	....
	547	3668	3044	5270	10.8	.0	....	....
	663	4133	3783	4012	7.8	.0	1.87	117
Av.	592	3992	3334	4824	9.5	.36	1.87	117
C-3	574	5924	4837	5348	6.7	0.54	....	....
	598	5568	3750	4543	7.5	0.58	....	....
	640	4361	4340	4560	8.2	1.75	....	....
	611	4430	4008	4227	9.2	1.75	2.02	126.05
	623	3937	3048	6205	12.6	.35	1.82	113.58
Av.	609	4844	3996	4976	8.8	.99	1.92	119.81
D-4	684	6238	5373	5950	9.3	.0	....	....
	786	5795	5159	9690	8.8	.13	....	....
	676	6518	4797	5744	11.2	.28	....	....
	829	6669	3482	5577	11.5	.13	1.92	119.8
	678	8152	3532	6294	12.1	.13	1.83	114.2
Av.	730	6674	4468	6651	10.5	.13	1.87	117
E-5	735	3731	3186	3402	11.27	.91	....	....
	601	3150	3249	3294	11.22	.60	....	....
	752	3620	3300	3285	11.24	1.00	....	....
	690	4209	3424	2800	11.31	.78	....	....
	622	3080	3034	2960	11.19	.95	....	....
Av.	680	3558	3238	3148	11.24	.84	....	....
F-6	654	6245	5000	4880	12.2	0.08	1.93	121
	803	7074	5375	4850	11.9	0.04	1.92	120
	555	5087	3750	4170	13.8	0.12	....	....
	815	6518	4834	....	12.4	....	....	....
	700	6220	3945	....	12.4	....	....	....
Av.	705	6228	4580	4633	12.5	0.08	1.92	120
G-7	422	4594	3878	....	5.8	....	....	....
	460	5060	3746	....	6.8	....	....	....
	501	4323	4598	....	6.2	....	....	....
	622	4673	2296	....	6.4	....	....	....
	272	2674	2401	....	7.1	....	....	....
Av.	455	4264	3383	....	6.4	....	....	....

Series.	Modulus of Rupture.	Compression, pounds per square inch.			Per cent. of Absorption by Weight.	Change in Weight by Freezing.	Specific Gravity.	Weight in Pounds per cu. ft.
		Dry.	Wet.	Frozen.				
H-8	350	4141	3872	....	3.3	....	....	....
	688	5714	7974	....	5.9	....	....	....
	561	4183	3711	....	....	....	....	....
	857	5794	4323	....	....	....	....	....
	581	6237	6372	....	....	....	....	....
Av.	607	5213	5250	4.6	....	....	....	....
I-9	290	3767	2401	....	....	....	....	....
	622	5757	....	....	....	....	....	....
Av.	456	4762	2401	....	....	....	....	....
J-10	478	3186	2113	2421	15.4	1.55	1.719	107.35
	510	3684	2603	2093	15.7	1.40	1.789	111.74
	450	2798	2054	1875	18.7	1.15	....	....
	437	2744	1906	2125	21.5	1.80	....	....
	402	3075	1984	1375	18.5	1.35	....	....
Av.	455	3097	2132	1977	17.9	1.45	1.754	109.54
K-11	255	4350	2435	2565	13.9	1.00	2.02	126.3
	376	3570	3107	2111	12.4	0.05	1.92	120.0
	339	4093	2736	1889	13.0	1.90	....	....
	240	3263	2408	2952	14.5	0.20	....	....
	278	3864	2699	2650	15.0	1.10	....	....
Av.	297	3828	2677	2433	13.7	0.85	1.97	123.1
L-12	475	3706	2300	3240	16.1	0.83	1.986	124.02
	500	4158	2892	2463	14.9	0.05	1.988	124.16
	456	4322	2482	2392	14.0	0.60	....	....
	767	5037	3226	2732	11.7	0.10	....	....
	747	4324	3337	4575	12.1	0.30	....	....
Av.	589	4309	2847	3080	13.7	0.37	1.98	124.09
M-13	410	3658	1833	....	12.3	....	2.13	132.9
	610	4208	1947	....	12.7	....	2.08	130.0
	715	5610	2672	....	9.1	....	....	....
	....	....	1295	....	....	....	....	....
	....	....	2777	....	....	....	....	....
Av.	578	4492	2104	....	11.3	....	2.10	131.4
N-14	224	2732	1833	....	11.6	....	....	....
	214	3001	1947	....	12.5	....	....	....
	293	3100	2672	....	8.1	....	....	....
	164	1851	1295	....	14.4	....	....	....
	285	3459	2777	....	8.7	....	....	....
Av.	236	2828	2084	....	11.06	....	....	....
O-15	496	5124	3743	2358	7.8	0.10	1.92	120
	596	4905	3536	1760	8.0	0.10	1.86	117
	525	5007	3250	1958	9.4	0.00	....	....
	429	4093	3220	1968	9.7	0.20	....	....
	491	4746	3729	2475	9.8	0.15	....	....
Av.	507	4775	3495	2103	8.9	0.11	1.89	118.5
P-16	460	4347	3122	3035	14.5	0.70	1.80	112.5
	545	4088	3056	3118	12.8	0.86	1.85	115.7
	604	4721	2954	3831	14.2	1.00	1.84	115.0
	647	5301	3932	2507	10.2	0.48	1.83	114.2
	525	4867	2912	2677	13.8	0.88	....	....
Av.	556	2664	3195	3033	13.1	0.78	1.83	114.3
Q-17	615	4514	4763	3099	....	1.33	....	....
	738	5896	5543	2765	....	2.28	....	....
	544	3690	3304	3722	....	1.37	....	....
	530	3486	3410	3186	....	1.30	....	....
	740	5202	4419	3671	....	1.30	....	....
Av.	633	4557	4287	3288	....	1.39	....	....
R-18	745	5319	5020	....	....	....	....	....
	720	3482	4456	....	....	....	....	....
	536	2507	4115	....	....	....	....	....
	680	5310	4651	....	....	....	....	....
	664	4735	3921	....	....	....	....	....
Av.	669	4270	4432	....	....	....	....	....
S-19	703	4404	....	....	....	....	....	....
	474	3035	....	....	....	....	....	....
	443	2646	....	....	....	....	....	....
	381	1965	....	....	....	....	....	....
	558	3320	....	....	....	....	....	....
Av.	511	3074	....	....	....	....	....	....

APPENDIX "F."

List of Sand Lime Brick and Concrete Brick and Stone Which Have Been Tested and Approved by this Bureau, with the Brand Mark for Identification.

Name of Manufacturer.	Date Approved.	Brand Mark.
Economy Concrete Co., 997 Dixwell ave., New Haven, Conn.	Dec. 17, 1909	"E. C. C."
Foxall Brick Co., River Road, Passaic, N. J.	Mar. 25, 1909	O O O ½ inch in diameter, ½ inch deep, 1 inch on centres.
Granite Brick Co., Glens Falls, N. Y.	Oct. 16, 1906	Diamond impressed.
Granite Brick Co., Ft. Edward, N. Y.	Oct. 16, 1906	Groove 5 inches long, ½ inch wide.
Grant Brick Co., Foot of Bay 47th St., Brooklyn, N. Y.	Sept. 1910	Two grooves or corrugations on the bed of the brick.
Newburgh Brick Co., Newburgh, N. Y.	Oct. 2, 1905	"NEWBURGH."
N. Y. Granite Brick Co., South Amboy, N. J.	June 11, 1906	Circle impressed.
Peerless Brick Co., 118th St. and Harlem River	Oct. 26, 1905	Circle P impressed.
Rochester Composite Brick Co., 62 Clinton ave. N., Rochester, N. Y.	May 15, 1908	"R."
Rockaway Brick Co., Rockaway, N. J.	Nov. 16, 1908	"A-1."
Schenectady Brick Co., Schenectady, N. Y.	June 15, 1907	"S."
Spears Brick Co., 22-26 E. 135th Hummelstown Brown-Stone Co., Waltonville, Pa.	Dec. 4, 1905	"SPEARS."
	Nov. 29, 1910	2-inch by 5-inch panels sunk ½-inch in bed.

APPENDIX "G."

Regulations of the Bureau of Buildings of the Borough of Manhattan in Regard to the Use of Concrete-Steel Construction.

- The term "concrete-steel" in these Regulations shall be understood to mean an approved concrete mixture reinforced by steel of any shape, so combined that the steel will take up the tensional stresses and assist in the resistance to shear.
- Concrete-steel construction will be approved only for buildings which are not required to be fireproof by the Building Code, unless satisfactory fire and water tests shall have been made under the supervision of this Bureau. Such tests shall be made in accordance with the Regulations fixed by this Bureau and conducted as nearly practicable in the same manner as prescribed for fireproof floor fillings in section 106 of the Building Code. Each company offering a system of concrete-steel construction for fireproof buildings must submit such construction to a fire and water test.
- Before permission to erect any concrete-steel structure is issued, complete drawings and specifications must be filed with the Superintendent of Buildings, showing all details of the construction, the size and position of all reinforcing rods, stirrups, etc., and giving the composition of the concrete.
- The execution of work shall be confined to workmen who shall be under the control of a competent foreman or superintendent.
- The concrete must be mixed in the proportions of one of cement, two of sand and four of stone or gravel; or the proportions may be such that the resistance of the concrete to crushing shall not be less than 2,000 pounds per square inch after hardening for twenty-eight days. The tests to determine this value must be made under the direction of the Superintendent of Buildings. The concrete used in concrete-steel construction must be what is usually known as a "wet" mixture.
- Only high-grade Portland cements shall be permitted in concrete-steel construction. Such cements, when tested neat, shall, after one day in air, develop a tensile strength of at least 300 lbs. per square inch; and after one day in air and six days in water shall develop a tensile strength of at least 500 lbs. per square inch; and after one day in air and twenty-seven days in water shall develop a tensile strength of at least 600 lbs. per square inch. Other tests, as to fineness, constancy of volume, etc., made in accordance with the standard method prescribed by the American Society of Civil Engineers' Committee may, from time to time, be prescribed by the Superintendent of Buildings.
- The sand to be used must be clean, sharp grit sand, free from loam or dirt, and shall not be finer than the standard sample of the Bureau of Buildings.
- The stone used in the concrete shall be a clean, broken trap rock, or gravel, of a size that will pass through a three-quarter-inch ring. In case it is desired to use any other material or other kind of stone than that specified, samples of same must first be submitted to and approved by the Superintendent of Buildings.
- The steel shall meet the requirements of section 21 of the Building Code.
- Concrete-steel shall be so designed that the stresses in the concrete and the steel shall not exceed the following limits:

	Lbs. per sq. in.
Extreme fibre stress on concrete in compression.....	500
Shearing stress in concrete.....	50
Concrete in direct compression.....	350
Tensile stress in steel.....	16,000
Shearing stress in steel.....	10,000

11. The adhesion of concrete to steel shall be assumed to be not greater than the shearing strength of the concrete.

12. The ratio of the moduli of elasticity of concrete and steel shall be taken as 1 to 12.

13. The following assumption shall guide in the determination of the bending moments due to the external forces. Beams and girders shall be considered as simply supported at the ends, no allowance being made for continuous construction over supports. Floor plates, when constructed continuous and when provided with reinforcement at top of plate over the supports, may be treated as continuous beams, the bending moment for uniformly distributed loads being taken at not less than $W L-10$; the bending moment may be taken as $W L-20$ in the case of square floor plates which are reinforced in both directions and supported on all sides. The floor plate to the extent of not more than ten times the width of any beam or girder may be taken as part of that beam or girder in computing its moment of resistance.

14. The moment of resistance of any concrete-steel construction under transverse loads shall be determined by formulae based on the following assumptions:

(a) The bond between the concrete and steel is sufficient to make the two materials act together as a homogeneous solid.

(b) The strain in any fibre is directly proportionate to the distance of that fibre from the neutral axis.

(c) The modulus of elasticity of the concrete remains constant within the limits of the working stresses fixed in these Regulations.

From these assumptions it follows that the stress in any fibre is directly proportionate to the distance of that fibre from the neutral axis.

The tensile strength of the concrete shall not be considered.

15. When the shearing stresses developed in any part of a concrete-steel construction exceed the safe working strength of concrete, as fixed in these Regulations, a sufficient amount of steel shall be introduced in such a position that the deficiency in the resistance to shear is overcome.

16. When the safe limit of adhesion between the concrete and steel is exceeded, some provision must be made for transmitting the strength of the steel to the concrete.

17. Concrete-steel may be used for columns in which the ratio of length to least side or diameter does not exceed twelve. The reinforcing rods must be tied together at intervals of not more than the least side or diameter of the column.

18. The contractor must be prepared to make load tests on any portion of a concrete-steel construction, within a reasonable time after erection, as often as may be required by the Superintendent of Buildings. The tests must show that the construction will sustain a load of three times that for which it is designed without any sign of failure.

Approved September 9th, 1903.

Although no rule governing the design or construction of hooped concrete columns has been incorporated in the above regulations, this Bureau has, nevertheless, allowed their use under the following requirements:

The safe carrying capacity of hooped columns shall be determined by the formula:

$$P = 1 \frac{1}{2} f_c A_c + f_h \frac{A_h}{p} - \frac{f_h}{p} \frac{A_h}{p} + m \frac{1}{2} f_c A_s$$

in which

P = the safe load, in pounds

f_c = the safe unit working stress of ordinary reinforced concrete in compression.

to be taken at 350 lbs. per sq. in.

f_h = the safe unit tensile stress in the hoops, to be taken at 16,000 lbs per sq. in.

r = the radius of the hoops surrounding the concrete core, in inches.

A_h = the area of the cross section of one hoop, in square inches.

p = the pitch of the hoops, in inches.

m = the ratio of the modulus of elasticity of steel to that of concrete, to be taken at 12.

A_s = the total area of the longitudinal steel in square inches.

To eliminate in a measure the secondary stresses due to bending, a ratio of twelve between the length and the least diameter of the column is required, and no part of the column outside of the hoops shall be considered as increasing the diameter of the column.

In order to be classed as hooped, a reinforced concrete column should have sufficient metal in the hoops to resist an outward pressure of about 65 lbs. per square inch on the surface of the column.

Hooped columns must be protected against fire by at least two inches of concrete, or the columns can be fireproofed in the same manner as is required for steel or iron columns in the Building Code.

APPENDIX "H."

Regulations of the Bureau of Buildings, Borough of Manhattan. For the Construction of Outside Fire Escapes.

Unless otherwise approved by the Superintendent of Buildings in writing, outside fire escapes shall be arranged and constructed as follows:

1. LOCATION.—Iron balconies at least three feet wide shall be located as directed. They shall communicate one with the other by means of stairs and with the ground by either stairs or drop ladders as may be ordered. The balconies must be of sufficient length to comply with all the requirements of these Regulations.
2. BALCONIES.—The balconies shall have a landing not less than twenty-four inches square at the head of each stairway. Except in cases where the stairways reach and leave the balconies at the ends, there shall be a passageway at the side of the stairs not less than fourteen inches wide in every part. The stairway opening in each platform shall be of a size sufficient to provide clear headway, and shall be enclosed on the long side by a three-quarter inch rail, well braced.
3. FLOORS OF BALCONIES.—The floors of balconies shall be of wrought-iron or steel slats not less than $\frac{1}{2}$ inches by $\frac{3}{4}$ of an inch, placed not more than $\frac{1}{2}$ inches apart, and well secured and riveted to iron battens $\frac{1}{2}$ inches by $\frac{3}{4}$ of an inch, not over 3 feet apart and riveted at the intersection. The ends of such floor slats shall project beyond the platform frame, but shall not rest on the bottom rail. The openings for stairways in all balconies shall not be less than 21 inches wide and 32 inches long, and such openings shall have no covers of any kind. The platforms or balconies shall be constructed and erected to safely sustain in all their parts a safe load at a ratio of 4 to 1, of not less than 80 pounds per square foot of surface.
4. RAILINGS.—Except in the case where stairs are at ends of balconies, the outside top rail shall extend around the entire length of the platform and shall go through the wall at each end, and be properly secured by nuts and 4 inch square washers at least $\frac{3}{4}$ of an inch thick, and no top rail shall be connected at angles by cast iron. Where stairways at ends of balconies make it impossible to secure top rails to walls, such top rails must be made rigid and secure by means of inclined braces from the brackets on the outside of the railings, or other means satisfactory to the Superintendent of Buildings, that will offer no obstruction along the balcony. The top rail of balconies shall be $\frac{1}{2}$ inches by $\frac{3}{4}$ inch of wrought iron, or $\frac{1}{2}$ inch angle iron $\frac{3}{4}$ inch thick. The bottom rails shall be $\frac{1}{2}$ inches by $\frac{3}{4}$ of an inch wrought iron, or $\frac{1}{2}$ inch angle iron, $\frac{3}{4}$ inch thick, well leaded or cemented into the wall. The ends of all rails which go through the walls shall be worked out to not less than $\frac{3}{4}$ inch bolt size for top rails, or $\frac{1}{2}$ inch bolt size for bottom rails, and if constructed as separate pieces shall be properly secured to the rails with not less than two $\frac{3}{4}$ inch rivets. The standards of filling-in bars shall be not less than $\frac{1}{2}$ inch round or square wrought iron, well riveted to the top and bottom rails and platform frame. Such standards or filling-in bars shall be securely braced by outside brackets at suitable intervals, and shall be placed not more than 6 inches from centres; the height of railings shall in no case be less than 2 feet 9 inches.
5. STAIRWAYS.—The stairways shall be placed at an angle of not more than 60 degrees, with steps not less than 6 inches in width and 20 inches in length, and with a rise of not more than 9 inches; and shall be constructed and erected to fully sustain in all their parts a safe load at a ratio of four to one of not less than 100 pounds per step, with the exception of the treads, which must safely sustain at said ratio a load of 200 pounds. The treads shall be flat open treads, or may be constructed of flat bars, not over $\frac{1}{2}$ inches wide, riveted to angle irons of a size not less than $\frac{1}{2}$ inch, with open spaces between such bars not over $\frac{3}{4}$ of an inch wide. The strings shall be not less than 3 inch channels of iron or steel, or $\frac{3}{4}$ by 4 inch bars, or two $\frac{3}{4}$ by $\frac{1}{2}$ inch bars properly latticed, or two $\frac{3}{4}$ by $\frac{1}{2}$ inch angle properly latticed, or other shape equally strong. Unless of channel or angle iron they shall be stiffened by the use of braces properly leaded into or bolted through the wall, and also bolted through the string at a height of not less than 7 feet above the floor of the balcony. They shall rest upon and be bolted to a bracket, which shall be fastened through the wall as hereinafter provided. The strings shall be securely bolted to a bracket at the top, and the steps in all cases shall be double-riveted or bolted to the strings. The stairs shall have $\frac{3}{4}$ inch handrails of wrought iron, well braced.
6. BRACKETS.—The brackets shall not be less than $\frac{1}{2}$ inch by $\frac{1}{2}$ inches wrought iron, placed edgewise, or $\frac{1}{2}$ inch angle iron, $\frac{3}{4}$ inch thick, well braced; they shall not be more than 4 feet apart, and shall be braced by means of not less than $\frac{3}{4}$ of an inch square wrought iron, and shall extend 2-3 of the width of the respective balconies or brackets. The brackets shall go through the wall and be turned down 3 inches, or be properly secured by nuts and 4 inch square washers at least $\frac{3}{4}$ of an inch thick. On new buildings the brackets shall be set as the walls are being built. When brackets are put on buildings already erected the part going through the wall shall not be less than 1 inch in diameter with screw nuts and washers not less than 5 inches square and $\frac{3}{4}$ inch thick. If the end going through the wall is separately constructed, it shall be properly connected to the bracket with not less than two $\frac{3}{4}$ inch rivets staggered.
7. DROP LADDERS.—Where drop ladders are permitted instead of stairs from the lowest balcony, they shall be of sufficient length to reach from the lowest balcony or platform to a safe landing place beneath. It shall be not less than 15 inches in width, with strings not less than $\frac{1}{2}$ inch by 2 inches and rungs of not less than $\frac{3}{4}$ of an inch in diameter placed not over 12 inches apart and properly riveted through the strings. Where the lowest balcony is more than 14 feet above the ground beneath the same, a suitable landing platform shall be provided. Such platform shall be located not more than 10 feet above the ground, and shall be connected with the fire escapes above by a stairway constructed as herein required. Such platform shall be not less than 4 feet in length by 3 feet in width, and shall be provided at each end with proper railings and a drop ladder to reach the ground. Except as specified, it shall be constructed in conformity with the other provisions of these Regulations.
8. GOOSE-NECK LADDERS.—Wherever possible, a balcony at a top story of any building shall be provided with a goose-neck ladder leading to the roof. Such goose-neck ladder shall be securely fastened to the wall of the building and to the roof, and shall be so located as to afford safe access to the roof. Such ladder shall be constructed as provided for drop ladders; the strings shall be in one piece and shall not be connected in parts by rivets and bolts; such ladders shall be arranged to rest on brackets and not on slats forming the floor of the balcony.
9. SCUTTLE LADDERS.—Scuttle ladders, where required, shall be constructed as above provided for stairs, except that they may be set at a steeper angle. They must be properly secured at top and bottom.
10. PAINTING.—All the parts of such fire escapes shall receive not less than two coats of paint, one in the shop and one after erection. All the fire-escape balconies shall contain a plate firmly fastened to the standards or filling-in bars near the top railing, containing in plain, large prominent, raised letters, each letter to be not less than $\frac{1}{2}$ an inch in length, the following words: "Any one placing any incumbrance on this balcony will be fined ten dollars." The lettering on such plates shall be painted with a paint of a color different from that used on the body of the plate, so that the letters will be prominent and distinct.
11. In case it may be desired, for architectural or other reasons, to vary from these requirements in the shape of construction of the brackets or railings, such changes may be submitted to the Superintendent of Buildings, but shall not be made until his approval has been obtained.

These regulations will take effect on September 1, 1903.

APPENDIX "I."

Mode of Procedure for a Standard Fire, Water and Weight Test on Proposed Forms of Fireproof Floors.

A formal application in writing should be submitted to the Superintendent of Buildings for a test of the floor construction and for an approval therefor. This application must be accompanied by a specification of the construction and the composition of the materials entering into the construction. The construction should be further clearly shown on drawings on sheets not exceeding 8 by 13 inches in size; the manner of constructing the particular floor to be shown on 1-inch scale drawing.

The test structure may be located at any place convenient to the applicant, where all the necessary facilities for properly conducting the test are provided.

If within the City limits, the structure should be located in such place as will meet with the approval of the Fire Commissioner. It will be necessary to locate the test structure in such a place that a fire pump accurately gauged to throw a stream of water through a regulation $\frac{1}{2}$ -inch nozzle, with a pressure of 60 pounds per square inch at the nozzle, can be provided. Within the City limits the Bureau will, through the courtesy of the Fire Department, provide a fire engine, if possible, but no assurance can be given to this effect.

The construction of the test structure is shown in the accompanying drawings.

On a suitable footing there shall be constructed brick or other incombustible inclosure walls of the thickness and height shown. Openings of approximately the sizes shown should be provided in the same to insure sufficient draught and also to allow for firing. These inclosure walls for the test structure should be made secure against buckling or cracking, and the success of the test should not be jeopardized by poor workmanship or the use of bad material in the test structure.

Grate bars, properly supported and with sufficient metal to withstand the heat, are to be placed in this structure about 2 feet 6 inches above the grade.

Fireproof doors must be provided for firing purposes. They should be securely hung to the structure and braced to prevent warping from the heat.

It has been found that a door 3 feet 6 inches to 4 feet high by 3 feet 6 inches wide, placed just above the level of the grate bars, is quite as satisfactory as a firing door as the one shown in the drawings, and is, on the other hand, less liable to warp under the heat and more easily handled. As many such doors should be placed in the structure as may be necessary to reach all parts of the grate. Fuel cannot be readily thrown more than 10 feet during the test.

Flues should be provided at each of the corners, and oftener in case of ovens exceeding 250 square feet grate surface, with sufficient opening to insure a proper draught, having an inside area of not less than 180 square inches, not less than 5 feet high, or as much higher as is necessary to produce a proper draught, securely supported and disposed at sides of structure in such a manner as not to interfere with the reading of the deflections.

The horizontal dimensions of the test structure will depend upon the number and span of systems under consideration. The clear span of the floor beams is to be at least 14 feet, with sufficient area of bays on either side to allow the beam to act independently when undergoing the test.

The construction to be tested will form the roof of the test oven. It must be designed for a superimposed load of 150 pounds per square foot and no more.

In cases where steel I-beams spaced more than 4 feet are used in the construction of the floor to be tested, the ratio of section modulus to the spacing of steel beams may be made proportionate to the ratio of the section modulus of a 10-inch 25-pound I-beam to the 4-foot space given in section 106 of the Building Code.

It is understood that the workmanship and materials in the test structure represent ordinary conditions and have "a fireproof protection of the exposed parts of the beams of the system to be tested, constructed as in actual practice, with the quality of material ordinarily used in that system and the ceiling plastered below, as in a finished job." If the proposed construction is approved the standard of workmanship and material is to be maintained in any and all work thereafter produced and constructed.

The Superintendent of Buildings must be notified sufficiently in advance of the time of the construction of the test structure and the installation of the floor system, also of the time of testing same, so that he may, in person or by representative, witness the same, so that proper records of the operations can be made.

The length of time intervening between the construction of the floor system and the time of the test, in order to allow the material to dry out, may vary with the different makes, and generally will be at the discretion of the applicant, but should not ordinarily exceed thirty days.

The test must be made in accordance with the requirements of section 106 of the Building Code.

The construction to be tested must be "loaded with a uniformly distributed load of 150 pounds per square foot and all carried by the filling." The material used for loading should be laid or piled in isolated piers to give a uniformly distributed load over the entire area of floor panel to be tested; this should be put in place the day before the fire and water test and to remain until the day after.

On the day of the fire and water test "the floor is to be subjected to the continuous heat of a wood fire below, averaging not less than 1,700 degrees Fahrenheit for not less than four hours, during which time the platform shall have remained in such condition that no flame will have passed through the platform or any part of the same, and that no part of the load shall have fallen through, and that the beams shall have been protected from the heat to the extent that after applying to the underside of the platform at the end of the heat test, a stream of water directed against the bottom of the platform and discharged through a $\frac{1}{2}$ -inch nozzle, under sixty pounds pressure for five minutes, and after flooding the top of the platform with water under low pressure and then again applying the stream of water through the nozzle under the sixty pounds pressure to the bottom of the platform for five minutes, and after a total load of 600 pounds per square foot, uniformly distributed over the bay or bays under consideration, shall have been applied and removed after the platform shall have cooled, the maximum deflection of the interior beams shall not exceed $2\frac{1}{2}$ inches."

A standard pyrometer of a make approved by the Superintendent of Buildings, and under the direction of an experienced person, is to be provided to record the degrees of temperature that are obtained in the test structure during the fire. In large ovens (exceeding 250 square feet grate area) it would be necessary to use several pyrometers. The position of the same should be fixed and approved by the Superintendent's representative before the construction is started, in order that the necessary holes may be provided in the roof or side walls.

It is sometimes desirable to know the deflections in the construction at different stages of the test. For this purpose rods well secured should be set on ends and centres of floor beams and at centre of span of floor, with scales fastened to them, so that such deflections may be noted with the level. It may be necessary to build a rigid platform of a sufficient height and distance from the test structure so that readings can be taken.

The Superintendent of Buildings "may from time to time prescribe additional or different tests than the foregoing for systems of filling between iron or steel floor beams and the protection of the exposed parts of the beams. Any system failing to meet the requirements of the test of heat, water and weight, as herein prescribed, shall be prohibited from use in any building hereafter erected in the Borough of Manhattan."

About eight cords of thoroughly dried mixed pine and hardwood, in 4-foot lengths, also six gallons of kerosene and sufficient shavings to get the fire under way quickly, will be required for an ordinary test of about 250 square feet grate area. The firing should be done at sufficient intervals to maintain the temperature stated above.

Detached aprons of the sizes of openings below grate should be provided so draught can be regulated. The number of draught openings below the grate level should be as large as possible.

A sufficient number of laborers should be present on the days of the test to load and unload the test floor, start and maintain fire, manage the hose and assist generally. Experience has shown that this work cannot be done properly with less than five men, this being regulated by the site and the facilities at hand.

The entire expense of the tests is to be sustained by the applicant.

The test must be witnessed by the Superintendent of Buildings or his representative, for its entire duration, and the Superintendent reserves the right to invite other witnesses to the test.

A report to be placed on file in the Bureau of Buildings will be made by the Superintendent of Buildings or his representative, upon which an approval or disapproval of the proposed construction will be based. No matter what the result of the tests may be, this report shall be open at all times to public inspection and published if deemed necessary or desirable.

Any photographs that the applicant desires to have made of the tests, or the construction of the system under consideration, and which he may wish to place on file in the Bureau of Buildings, should be mounted on flexible linen and not more than eight inches by thirteen inches in size.

Any proposed change in or variation from the preceding requirements must be submitted to the Superintendent of Buildings in writing and receive his written consent.

In case the system satisfactorily withstands the tests prescribed in section 106 of the Building Code and approval is granted for its use in this Borough, the maximum span that could be used in practice must not exceed that of the arch as tested, and the live loads must not exceed 150 pounds per square foot. No increase of capacities or change in details of construction will be permitted because of shorter spans being used.

If the approval of greater live loads than 150 pounds per square foot for any construction or the approval of any material change in detail is desired, the following additional test must be made after proper application in writing made in a similar manner to that described above for the original test. A typical section of the proposed construction must be loaded with a uniformly distributed load of ten times the desired approved capacity. If the arch is tested to destruction, one-tenth of the breaking load will be permitted as the safe working load for the construction. The construction of the arch and the test of the same are to be under the supervision of this Bureau, as provided for in the case of fire test.

APPENDIX "J."

Mode of Procedure for a Standard Fire and Water Test on Proposed Forms of Fireproof Partitions, Vent and Elevator Shafts, as Required by the Bureau of Buildings, Borough of Manhattan, and Instructions Relating Thereto.

A formal application in writing should be submitted to the Superintendent of Buildings for a test of the partition or shaft construction and for an approval therefor. This application must be accompanied by a specification of the construction and the composition of the material entering into the construction. The construction should be further clearly shown on drawings on sheets not exceeding 8 by 13 inches in size. The partition or shaft construction must be tested in accordance with the following requirements:

The test structure may be located at any place convenient to the applicant, where all necessary facilities are provided. If within the City limits the structure should be located in such a place as will meet with the approval of the Fire Commissioner. It must not be more than 100 feet from a fire hydrant.

The size and general construction of the test structure are shown in the accompanying drawings. The 12-inch brick foundation wall is to be built on a suitable footing. The outside horizontal measurements are to be 15 feet 3 inches by 10 feet 3 inches, and the top of the foundations are to be at least 2 feet 4 inches above the level of the ground. A greater height than this for the foundations is undesirable, on account of the increased difficulty of firing. The foundation walls must be provided with draught openings on each of the four sides, as shown. Upon this foundation and anchored to the same is to be built an iron framework for the test structure proper, 14 feet 6 inches long, 9 feet 6 inches wide and 9 feet 6 inches high. This framework is to be filled in with the proposed form or forms of partitions to be tested. Different forms of partitions by the same manufacturer can be tested in the same structure. The behavior of the two long sides of the test structure only will be considered in the result.

Upon the foundations of the test structure grate bars properly supported and of sufficient size to withstand the heat are to be placed. A fireproof door, at least 3 feet 6 inches wide and 3 feet 6 inches high, securely hung to the structure and braced to prevent warping from the heat, should be provided at one end of the structure. The roof may be formed of any fireproof material, strongly supported to keep the same from sagging and from warping the walls, any iron-work used in the same to be thoroughly protected from the heat. Flues must be provided at each of the four corners, either 13½ inches square or 15½ inches in diameter if round, inside measurements, not less than 3 feet high, or as much higher as is necessary to produce a proper draught.

The workmanship and material in the test structure must be such as will be used in actual practice, and if the proposed construction is approved, the standard of workmanship and material is to be maintained in any and all work thereafter produced and constructed.

The Superintendent of Buildings must be notified sufficiently in advance of the time of the construction of the partitions to be tested, so that he may, in person or by representative, witness the erection of said partitions.

The length of time intervening between the construction of the test house and the time of the test, in order to allow the material to dry out, may vary with the different makes, and generally will be at the discretion of the applicant, but should not exceed thirty days.

The proposed partition or shaft construction must be subjected to a continuous heat from a wood fire for at least one hour. An average temperature of at least 1,700 degrees Fahrenheit must be maintained during the second half hour of the test. At the end of the hour's fire test the construction is to be subjected to a stream of water on the inside, or fire side, of the partitions, through a regulation fire hose, with a 1½-inch nozzle, for a period of two and one-half minutes on each side. The nozzle pressure is to be thirty pounds per square inch.

At no time during the test must fire or water pass through the partitions under test. The approval of the construction under test may be withheld if the construction should warp or bulge to any great extent.

A high grade pyrometer of a make approved by the Superintendent of Buildings, under the direction of an experienced operator, must be used to determine and record the temperatures attained during the first test. About four cords of thoroughly dried mixed pine and hard wood, in 4-foot lengths, also four gallons of kerosene and sufficient shavings to get the fire under way quickly will be required for the test.

A sufficient number of laborers should be present on the day of the test to maintain the fire, manage the hose and assist generally. Experience shows that this work cannot be done very well with less than three men. The expense of the test is to be entirely sustained by the applicant.

The test must be witnessed by the Superintendent of Buildings, or his representative, for its entire duration, and the Superintendent reserves the right to invite other witnesses to the test.

A report to be placed on file in the Bureau of Buildings will be made by the Superintendent or his representative, upon which an approval or disapproval of the proposed construction will be based. No matter what the result of the test may be, this report shall be open at all times to public inspection, and published, if deemed necessary or desirable.

Any photographs that the applicant desires to have made of the tests, and which he may wish to place on file in the Bureau of Buildings, should be mounted on flexible linen of not more than eight by thirteen inches in size.

Any proposed change in, or violation from, the preceding requirements must be submitted to the Superintendent of Buildings in writing, and receive his written consent.

APPENDIX "K"—STATISTICAL STATEMENT.

Plans and Specifications for New Buildings Filed and Acted Upon During the Year Ending December 31, 1911.

Classification.	No. of Plans.	No. of Buildings.	Estimated Cost.
Dwelling houses, estimated cost over \$50,000.	7	7	\$1,070,000 00
Dwelling houses, estimated cost between \$20,000 and \$50,000	16	19	750,000 00
Dwelling houses, estimated cost under \$20,000	15	17	136,300 00
Tenement houses	178	208	36,923,000 00
Hotels	7	7	955,000 00
Stores, lofts, etc., estimated cost over \$30,000	145	149	29,466,000 00
Stores, lofts, etc., estimated cost between \$15,000 and \$30,000	37	38	799,000 00
Stores, lofts, etc., under \$15,000	43	43	269,700 00
Office buildings	44	44	12,390,600 00
Manufactories and workshops	33	33	2,206,900 00
Schoolhouses	11	11	2,407,000 00
Churches	10	11	1,640,000 00
Public Buildings—Municipal	6	8	3,158,000 00
Public Buildings—Places of Amusement, etc.	38	40	2,652,100 00
Stables	59	60	1,469,720 00
Other Structures	129	143	409,709 00
Total	778	838	\$96,703,029 00

Plans and Specifications for Alterations to Buildings Filed and Acted Upon During the Year Ending December 31, 1910.

Classification.	No. of Plans.	No. of Buildings.	Estimated Cost.
Dwelling houses	492	558	\$1,625,896 00
Tenements	1,163	1,354	1,881,603 00
Hotels	79	84	663,440 00
Stores, Lofts, etc.	595	664	3,188,498 00
Office Buildings	175	187	1,485,320 00
Manufactories and Workshops	106	113	557,325 00
Schoolhouses	20	21	88,400 00
Churches	24	25	225,550 00
Public Buildings—Municipal	6	6	52,300 00
Public Buildings—Places of Amusement, etc.	203	223	1,678,705 00
Stables	110	116	487,928 00
Other Structures	16	16	5,101 00
Total	2,989	3,367	\$11,940,066 00

New Buildings and Alterations to Buildings Commenced and Completed During the Year Ending December 31, 1910.

New buildings commenced	718
New buildings completed	658
Alterations commenced	3,202
Alterations completed	3,023

New Buildings and Alterations to Buildings in Progress December 31, 1910.

New buildings	504
Alterations	718

Total Number of Inspections, With Reports Thereon During the Year Ending December 31, 1910.

By Construction Inspectors	153,614
By Iron and Steel Inspectors	421,779
By Elevator Inspectors	18,295
By Plumbing and Drainage Inspectors	52,984
Total	646,672

Notices Issued During the Year Ending December 31, 1910.

To place fire escapes on buildings	1,726
To remove violations of law	12,510
To repair passenger elevators	1,335
To remove unsafe buildings	5,267
Letters delivered (including notices of disapproval of plans)	13,519
Total	34,357

Violations of Law and Unsafe Buildings During the Year Ending December 31, 1910.

Nature.	Pending Dec. 31, 1909.	Received Since.	Total.	Dis-missed.	Pending Dec. 31, 1910.	Forwarded for Prosecution.
Defective construction material, etc.	479	2,224	2,700	1,963	737	372
Erecting, altering or removing without permit or after disapproval....	2,164	2,270	4,434	2,583	1,851	529
Insufficient means of escape, fire escapes, aisles, obstructed, etc.	385	872	1,257	764	493	241
Defective Plumbing and Drainage	768	1,643	2,411	1,654	757	309..
Unsafe Buildings	659	2,341	3,000	2,147	853	100
Total	4,452	9,350	13,802	9,111	4,691	1,551

Inspection of Passenger Elevators During the Year Ending December 31, 1910.

Number of Inspections	18,295
Found not in compliance with Law	1,054

Disposition of Cases Found Not in Compliance With Law.						
Nature.	Pending Dec. 31, 1909.	Received Since.	Total.	Dis- missed.	Pending Dec. 31, 1910.	For- ward- ed for Prosec- ution.
Defective guide rails, posts and gibs	3	14	17	13	4	1
Doors and door locks out of repair	52	114	166	132	34	28
Generally unsafe	13	201	214	180	34	18
New ropes required	12	99	111	92	19	11
Run by persons under eighteen years of age	5	320	325	282	43	18
Defective running gear... and incompetent persons	0	5	5	1	4	1
Safety attachments out of order	68	148	216	185	31	42
No grating under over- head machinery	23	109	132	103	29	17
No Permit	12	44	56	41	15	2
Total	188	1,054	1,242	1,029	213	138

Number of Buildings Inspected and Total Number of Inspections During the Year Ending December 31, 1910, in Relation to Plumbing and Drainage.

	Tenements, Miscellaneous.		Total.
	As to Plumbing and Drainage.	As to Plumbing and Drainage.	
Number of buildings under inspection De- cember 31, 1909	744	539	1,283
Number of buildings commenced during the year	1,409	1,591	3,000
Number of buildings completed during the year	1,706	1,614	3,320
Number of buildings under inspection De- cember 31, 1910	447	516	963

Number of apartments, stores, etc., for which certificates have been issued as to the proper installation of gas piping

Total number of Plumbing Inspections of all kinds during the year

Iron and Steel Inspections Made During the Year Ending December 31, 1910.		
Beams	362,595	
Columns	43,757	
Channels	4,687	
Angles	3,419	
Bases	2,998	
Girders	2,665	
Brackets	569	
Tees	445	
Lintels	288	
Trusses	171	
Plates	166	
Mullions	19	
Total	421,779	

Comparative Statement—Years 1909 and 1910.

	1909.	1910.
Applications filed for new buildings and alterations..	4,573	4,205
Estimated cost of new buildings and alterations....	\$144,332,212 00	\$108,643,095 00
New buildings commenced.....	704	718
New buildings completed.....	665	658
Alterations commenced	2,633	3,202
Alterations completed	2,726	3,023
Fire escape cases reported by Inspectors.....	496	872
Fire escape cases forwarded for prosecution.....	287	241
Passenger elevators inspected.....	16,707	18,295
Defective passenger elevators reported by Inspectors.	481	1,054
Defective passenger elevators made safe on notice from Bureau	405	1,029
Passenger elevator cases forwarded for prosecution.	46	138
Unsafe buildings made safe or taken down.....	2,060	2,147
Violations removed	3,815	6,200
Notices issued	25,618	34,357
Pieces of iron and steel inspected.....	279,206	421,779
Inspections of plumbing and drainage.....	33,353	52,984

REPORT OF BUREAU OF HIGHWAYS.

Report of the Chief Engineer in Charge of Highways, Borough of Manhattan, for the Year ending December 31, 1911.

Offices of Commissioner of Public Works, Manhattan, Bureau of Highways, Chief Engineer, January 18, 1911.

Hon. E. V. FROTHINGHAM, Commissioner of Public Works.

Dear Sir—I herewith submit my report of the operations of the Bureau of Highways for the year ending December 31, 1910:

In the early part of the year the Bureau was entirely reorganized and the offices of the Superintendent of the Bureau of Incumbrances and the Bureau of Highways were abolished, and the duties formerly performed by these offices were transferred to the Chief Engineer of Highways; so that at the present time that official has charge of the construction and repair of all pavements, the construction and repair of sidewalks and street-signs, the removal of incumbrances and encroachments from the streets, and all the work performed in the streets by the different subsurface corporations.

The construction of new pavements and the repairs to asphalt pavements have been taken care of in the same manner and by the same parties as in previous years, but the work of repairs to stone pavements has been wholly under the direction of an Assistant Engineer appointed for this purpose.

The Division of Sidewalks has been formed, and the sidewalk work and incumbrances, as well as the care of street-signs and house-numbering have been in charge of one man. The City has been divided into sections and an Inspector assigned to each section whose duty it is to become cognizant of all repairs to sidewalks and all encroachments on the streets, and to report daily to the man in charge. A detailed statement of the work of this division will be given later.

The issuance of all permits for the entire Department has been given to the Bureau of Highways and one man put in charge of all.

During a large part of the season the Chief Engineer was absent on account of illness, and the work was performed by Mr. C. D. Pollock, Principal Assistant Engineer. Contracts have been registered as follows during the year:

REPAVING BOND FUND. Sheet Asphalt.	
Street.	Estimated Cost.
Avenue A, from 64th street to 67th street.....	\$11,195 40
Amsterdam avenue, from 104th street to 105th street.....	3,249 75
Attorney street, from Division street to Grand street.....	2,475 50
Barrow street, from W.S. Washington street to E.S. West street.....	3,666 30
Broadway, from 42d street to 43d street (see Long Acre square)	
Avenue C, from 12th street to 14th street.....	7,155 50
Cannon street, from Broome street to Delancey street.....	2,937 00
Catharine street, from Oak street to Monroe street.....	771 75
Catharine street, from Madison street to Henry street.....	1,946 00
Centre street, from Grand street to Broome street; Centre Market place, from Grand street to Broome street; Grand street, from Centre street to Centre Market place.....	9,295 90
Cherry street, from Jackson street to Roosevelt street.....	39,656 50
Christopher street, from Greenwich avenue to Waverly place.....	3,201 80
Houston street, from Norfolk street to Essex street.....	2,320 00
Houston street, from E.S. Ludlow street to W.S. Eldridge street.....	5,552 30
Jefferson street, from Cherry street to Monroe street.....	2,935 50
Lafayette street, from Franklin street to White street.....	4,424 30
Lewis street, from Rivington street to Stanton street.....	3,616 40
Liberty street, from 280 feet East of Nassau street to E.S. Broadway..	3,217 00
Long Acre square, from 43d street to 47th street, including 7th avenue from 42d street to 43d street, and Broadway, from 42d street to 43d street	37,612 50
Madison avenue, from 42d street to 50th street.....	18,808 10
Mulberry street, from N.S. Broome street to S.S. Bleecker street....	15,067 00
Oak street, from W.S. Catharine street to E.S. New Bowery.....	6,641 50
Renwick street, from Canal street to Spring street.....	4,979 80
Scammel street, from N.S. Henry street to S.S. East Broadway.....	1,129 50
Spring street, from W.S. Clarke street to E.S. Hudson street.....	7,405 45
Stanton street, from Cannon street to Clinton street.....	14,171 00
Waverly place, from Broadway to 5th avenue.....	11,241 50
1st street, from Houston street to Avenue A.....	1,585 00
1st street, from W.S. Avenue A to E.S. 2d avenue.....	11,961 20
3d street, from W.S. 2d avenue to E.S. Bowery.....	4,630 00
4th avenue, from N.S. 23d street to N.S. 32d street.....	29,613 50
5th avenue, from Washington Square South to Washington Square North	8,747 30
5th street, from N.S. Avenue C to E.S. Avenue B.....	6,324 10
5th street, from W.S. avenue B to E.S. Bowery.....	23,837 70
7th avenue, from 42d street to 43d street (see Long Acre square)	
12th street, from Avenue D to Avenue B.....	12,363 50
13th street, from Avenue D to 1st avenue.....	23,481 00
17th street, from 234 feet west of Avenue C to 1st avenue.....	15,651 90
19th street, from Avenue A to 2d avenue.....	11,868 00
19th street, from W.S. 3d avenue to E.S. 4th avenue	8,021 10
19th street, from W.S. 5th avenue to E.S. 6th avenue.....	7,838 80
20th street, from W.S. 3d avenue to E.S. 4th avenue, except in front of park	3,973 75
20th street, from 9th avenue to 10th avenue.....	7,028 90
21st street, from 3d avenue to 4th avenue, except in front of park.....	3,949 20
24th street, from 1st avenue to Madison avenue.....	19,895 00
26th street, from Madison avenue to Broadway.....	5,483 60
27th street, from W.S. 5th avenue to E.S. 6th avenue, and W.S. 7th ave- nue to E.S. 8th avenue.....	14,530 00
29th street, from 3d avenue to Lexington avenue.....	4,049 60
30th street, from W.S. 4th avenue to E.S. Madison avenue, and W.S. Broadway to E.S. 6th avenue.....	6,551 50
30th street, from 420 feet west of 10th avenue to E.S. 11th avenue.....	4,231 80
36th street, from 9th avenue to 10th avenue.....	7,436 00
42d street, S.S., from 5th avenue to 6th avenue, widening and repaving	5,760 55
46th street, from 8th avenue to 11th avenue.....	21,670 00
52d street, from Broadway to 8th avenue.....	4,977 50
56th street, from Park avenue to 5th avenue.....	6,504 20
56th street, from W.S. 5th avenue to E.S. 6th avenue.....	7,732 60
57th street, from W.S. 5th avenue to E.S. 6th avenue.....	8,839 60
58th street, from Madison avenue to 5th avenue.....	3,226 00
82d street, from W.S. Avenue B to E.S. Avenue A.....	5,729 05
	\$532,385 20

Asphalt Block.

Street.	Estimated Cost.
41st street, from E. Wall to E.S. 2d avenue.....	\$6,551 30
42d street, including Prospect place from N.S. 42d street to S.S. 43d street, from E. Wall to E.S. 2d avenue.....	8,711 30
58th street, from 261.3 feet west of 10th avenue to 11th avenue.....	6,602 00
60th street, from W.S. Amsterdam avenue to E.S. West End avenue....	9,219 50
61st street, from W.S. Amsterdam avenue to E.S. West End avenue....	9,169 50
64th street, from Exterior street to Avenue A.....	5,685 10
151st street, from N.S. St. Nicholas avenue to E.S. Amsterdam avenue	6,939 50
169th street, from Amsterdam avenue to St. Nicholas avenue.....	8,239 30
	\$61,117 50

Wood Block.

Street.	Estimated Cost.
Bedford street, from Houston street to Grove street.....	\$12,846 00
Delancey street, from East street to Ridge street.....	36,919 30
South Washington square, from East Washington square to West Washington square.....	13,902 00
1st avenue, from 25th street to 26th street and 28th street to 29th street..	10,111 60
	\$73,778 90

Granite Block.

Street.	Estimated Cost.
Amsterdam avenue, from 62d street to 63d street.....	\$6,533 70
Cedar street, from W.S. Trinity place to E.S. West street.....	5,981 00
Cherry street, from W.S. Roosevelt street to E.S. Franklin square....	4,641 80
Crosby street, from N.S. Howard street to N.S. Bleecker street.....	29,561 00
Avenue D, from 11th street to 14th street.....	10,979 30
Frankfort street, from W.S. Cliff street to E.S. William street, includ- ing Vandewater street, from Frankfort street to W.S. Pearl street....	15,484 40
Franklin street, from Hudson to West street.....	10,488 60
Hudson street, from N.S. Chambers street to south rail of Beach street	37,231 10
Laight street, from W.S. Varick street to E.S. Houston street.....	5,287 00

Street.	Estimated Cost.
Water street, from Maiden lane to Burling slip.....	3,743 00
Watts street, from W.S. West Broadway to E.S. West street.....	29,302 00
William street, from S.S. Frankfort street to W.S. Pearl street, including North William street, from Frankfort street to S.S. Park row..	11,115 60
First avenue, from Houston street to 20th street.....	112,025 40
3d street, from East River to E.S. Lewis street.....	9,867 10
4th street, from Broadway to University place.....	9,516 70
11th avenue, from N.S. 27th street to N.S. 42d street, including 33d street, from W.S. 10th avenue to E.S. 11th avenue.....	80,747 50
14th street, from 9th avenue to Marginal street.....	16,348 30
19th street, from Avenue A to East River.....	14,083 20
21st street, from East River to First avenue.....	17,127 70
33d street, from 10th avenue to 11th avenue (see 11th avenue, 27th to 42d street)	

\$430,064 40**Macadam.**

Street.	Estimated Cost.
Riverside drive, from 161st street to Broadway and Dyckman street....	\$21,850 00
	\$21,850 00

**STREET IMPROVEMENT FUND.
Sheet Asphalt.**

Street.	Estimated Cost.
81st street, from East End avenue to Exterior street.....	\$1,125 00
174th street, from Amsterdam avenue to Audubon avenue.....	3,013 30
	\$4,138 30

Asphalt Block.

Street.	Estimated Cost.
Academy street, from Seaman avenue to 200 feet east of Nagle avenue..	\$27,916 00
Claremont avenue, widened portion, N.W.C. 116th street..	3,270 90
Emerson street, from Broadway to Seaman avenue.....	7,034 00
158th street, from St. Nicholas avenue to Edgecombe avenue.....	2,840 70
171st street, from Broadway to Ft. Washington avenue..	5,330 20
177th street, from St. Nicholas avenue to Ft. Washington avenue.....	10,452 90
178th street, from Broadway to Pinehurst avenue.....	6,062 80
179th street, from Broadway to Haven avenue.....	9,834 75
207th street, from Bridge entrance to Harlem River.....	9,592 00
213th street, from 10th avenue to Broadway.....	3,669 40
215th street, from Broadway to 450 feet east of 9th avenue.....	20,397 40
	\$106,401 05

Wood Block.

Street.	Estimated Cost.
New street, (Delancey, from Bowery to Lafayette street).....	\$14,222 50
	\$14,222 50

Granite Block.

Street.	Estimated Cost.
153d street, from Broadway to Riverside drive.....	\$10,904 50
	\$10,904 50

Regulating, Grading, Flagging, Fencing, etc.

Street.	Estimated Cost.
Buena Vista avenue, from 177th street to 178th street, regulating, grading, etc.	\$4,995 20
Haven avenue, from 170th street to Ft. Washington avenue, regulating, grading, etc.	7,406 50
Lenox avenue, Nos. 304, 306 and 308, flagging, etc.	188 27
New street (Delancey street), from the Bowery to Lafayette street, regulating, grading, etc.	5,981 60
Riverside drive, widening between 158th and 165th street.....	19,457 50
St. Nicholas terrace, from 135th street to junction of Convent avenue, flagging	3,645 90
8th street, Nos. 37 and 39 West, fencing vacant lots.....	33 00
8th street, Nos. 37 and 39 West, flagging.....	92 00
76th street, from Exterior street to 314 feet west, regulating, grading, etc.	4,289 20
151st street, Broadway to Riverside, regulating, grading, etc.	1,912 90
169th street, from Ft. Washington avenue to Haven avenue, regulating, grading, etc.	989 95
190th street, from St. Nicholas avenue to Wadsworth avenue, regulating, grading, etc.	5,905 00
218th street, from Broadway to Seaman avenue, regulating, grading, etc.	17,835 00
	\$72,732 02

BUDGET FUND.

Repairing and maintaining sheet asphalt pavements.....	\$118,700 00
Repairing and maintaining sheet asphalt pavements.....	78,560 00
Repairing and maintaining sheet asphalt pavements.....	59,380 00
Repairing asphalt block pavements.....	42,480 00
Repairing asphalt block pavements.....	10,722 00
Repairs to stone pavements—	
Sand	\$7,310 90
Gravel	11,187 75
Pitch	8,678 95
Cement	1,036 00
Wood	945 00
Tool repairs	1,346 12
Tar and gravel heaters.....	2,249 82
	32,754 54
	\$342,596 54

**ABANDONED CONTRACTS.
Maintaining Asphalt Pavements.**

4th avenue, from 8th street to 24th street.....	\$1,945 00
Long Acre square, from 42d street to 47th street.....	1,945 00
Broadway, from Canal street to 14th street.....	5,650 00
Dutch street, from John street to Fulton street, etc.....	24,085 00
Dutch street, from John street to Fulton street, etc.....	24,535 00
27th street, from Madison avenue to 5th avenue, etc.....	15,115 00
27th street, from Madison avenue to 5th avenue, etc.....	14,215 00
80th street, from Avenue A to 1st avenue, etc.....	20,716 00
80th street, from Avenue A to 1st avenue, etc.....	18,515 00
	\$126,721 00

SUMMARY.**Repairing Bond Fund.**

Sheet asphalt	\$532,165 20
Asphalt block	61,117 50
Granite block	430,064 40
Wood block	73,778 90
Macadam	21,850 00
	\$1,118,976 00

Street Improvement Fund.

Sheet asphalt	\$4,138 30
Asphalt block	106,401 05
Wood block	14,222 50
Granite block	10,904 50
Regulating, grading, curbing, flagging, fencing, etc.....	72,732 02
	208,398 37

Budget Fund.

Repairing and maintaining sheet asphalt and asphalt block pavements....	342,596 54
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Retained Percentage (Abandoned Contracts.)

Maintaining sheet asphalt pavements.....	126,721 00
	\$1,796,691 91

The amount of new pavement actually laid during the year is as follows

	Miles Completed.	Miles In Progress.	Total.
Sheet asphalt	10.39	+ 0.04	= 10.43
Asphalt block	5.75	+ 0.00	= 5.75
Granite block	6.95	+ 0.56	= 7.51
Wood block	3.57	+ 0.00	= 3.57
	26.66	+ 0.60	= 27.26

—so that the present mileage of the pavements in the Borough is as follows

	Jan. 1, 1910.	Laid 1910.	Removed 1910.	Jan. 1, 1911.
Sheet asphalt	258.80	+ 10.39	— 8.60	= 260.59
Asphalt block	47.82	+ 5.75	— 0.58	= 52.99
Granite block	87.62	+ 6.95	— 7.59	= 86.98
Wood block	10.73	+ 3.57	— 0.00	= 14.30
Old stone	29.53	+ 0.00	— 7.42	= 22.11
Macadam	4.63	+ 0.00	— 0.00	= 4.63
	439.13	+ 26.66	— 24.19	= 441.60

Contracts have been registered and work not yet begun for the following amounts:

	Miles..
Sheet asphalt	3.09
Asphalt block	1.12
Granite block	3.02
	7.23

—and practically all new work has been repaving.

Although the question of the best pavement has been discussed for a great many years, it has never been satisfactorily answered. So many conditions arise in a city like New York that what is good material for one street is not necessarily so for another. The interests of the people doing business on the street often conflict with those of the people using it, and to determine what material shall be used in repaving is often a difficult question. Upon its proper solution, however, depends not only the practicability of keeping the pavements in the future in good repair, but also the cost of same; as a pavement satisfactory to the property owners may cost so much under heavy traffic as to be almost prohibitive.

The materials used during the past year have been the same as in former years, namely, granite block sheet asphalt, asphalt block and wood block.

Granite Block Pavement.

The granite pavement in 1910 has been laid under the same specifications as in former years, except on Walker street, between Lafayette street and West Broadway, where a smaller and better-cut block has been used. This has produced a much better pavement than has been laid before, but not as good as is required. It is to be hoped that by a continuation of the same or improved specifications during the coming year the standard of our stone block pavements will be raised so high that the old pavements will be no longer used.

The principal streets laid with granite this year have been 1st avenue, from Houston street to 59th street, and 9th avenue, from 12th street to 59th street, with the exception of the blocks between 31st and 34th streets, 11th avenue north of 42d street and 10th avenue north of 30th street are in bad condition and should be repaved with granite the coming year if funds are available. When these streets are so paved all of the north and south streets in the Borough will be in good condition.

The total amount of granite block laid during the year is 7.51 miles, at an average cost of \$3.22 per square yard, as against \$3.14 in 1909.

Sheet Asphalt Pavement.

The sheet asphalt pavement laid has been about one-half renewal and one-half new. Under our present price, when for several years the cost of maintaining an asphalt pavement, has exceeded 25 cents per square yard over the entire area of the street, it is an economic proposition to repave it; as the carrying charges of a new pavement are practically 25 cents per square yard per year.

The largest contracts for sheet asphalt for the year have been:

- 4th avenue, from 23d street to 32d street;
- 13th street, from 1st avenue to Avenue D;
- 24th street, from 1st avenue to Madison avenue;
- 46th street, from 8th avenue to 11th avenue;

—the pavement on 4th avenue and 46th street replacing sheet asphalt, on 24th street asphalt block, and on 13th street granite block.

The total amount of asphalt laid during the year is 10.43 miles, at a cost of \$2.04 per square yard, as compared with \$2.13 in 1909.

Asphalt Block.

This material has generally been used on streets where a smooth pavement was desired and where the grades were such that sheet asphalt pavement would be too slippery; although the property owners in the northern part of the Borough petition in almost every instance for asphalt block as original pavement. As a result, the smooth pavements north of 155th street are all asphalt block and quite a large quantity south, even upon light grades.

5.75 miles of this material were laid in 1910 at a cost of \$2.51 per square yard, as against \$2.70 in 1909.

Wood Block.

3.57 miles of this pavement have been laid this year, as against 2.29 in 1909. The principal work has been on Delancey street, from the Bowery to the East River, excepting a small portion at the bridge entrance, which was repaved some years ago with asphalt block. A contract has also been let, which will be carried out early in 1911, for paving with wood the extension of Delancey street from the Bowery to Lafayette street, so that when it is completed there will be a first-class pavement the whole length of Delancey street. The work this year cost \$3.20 per square yard, as against \$3.34 in 1909.

All new pavements, of whatever character, are laid on six inches of concrete with a five years' guarantee, except granite block, which has only one year guarantee.

Regulating, Grading, etc.

In addition to paving, work has been carried on upon eighteen contracts for regulating, grading, etc., six of which have been completed.

Asphalt Repairs.

Sheet Asphalt—Probably the work of keeping the asphalt pavements in good condition requires more labor in the Engineering Department than that of all the other work in the Bureau.

On January 1, 1910, there were out of guarantee, to be maintained by the City, 2,156,165 square yards, and there expired from guarantee during the year 419,145 square yards, making a total of 2,575,310 square yards. There were resurfaced in 1910 115,221 square yards, so that on January 1, 1911, there were out of guarantee 2,460,089 square yards.

As the pavements expiring during the year were not maintained for the full twelve months, the average amount maintained for the year was not equal to the amount out of guarantee on January 1, 1911. Making allowance for the time the guarantees expired and for the streets resurfaced, the average amount maintained for the year was 2,270,111 square yards.

On account of a lack of appropriation in the early part of the season, the contract was not made in sufficient amount to maintain the streets during the year, and three separate contracts were entered into—the first at a unit price of 82 cents per square yard, and the two following for 77 cents per square yard. Under these separate contracts 320,043 square yards were actually laid in maintaining the above average area, or 14.1 per cent. of the whole. This cost on an average 11.3 cents per square yard. In 1909 the cost was 11.7 cents per square yard, and only 12 per cent. of the entire surface was relaid. The reduced cost in 1910 was due to the low unit price.

It is extremely doubtful if in the future the cost of maintaining the asphalt pavements in this Borough can be reduced materially below the figures of the last two years, as the unit prices have been low in both cases. If, however, care be taken in selecting the streets for resurfacing and also a study be made to see if some of the asphalt streets cannot be relaid with a different and less expensive material to maintain, this may be done; but it will require great care in the selection of the streets to be repaved as well as the materials to be used.

The fact that in 1910 three separate contracts were made for repairs undoubtedly increased the amount of work to be done somewhat, as lapses between contracts always allows the pavement to get in bad condition, consequently requiring an abnormal amount of repairs to be made.

I show here a table giving the percentage relaid and the cost per square yard of maintenance for the last five years:

	Percentage Relaid.	Cost Per Sq. Yard in Cents.
1906	23	34
1907	18	20
1908	15	17.7
1909	12	11.7
1910	14	11.3

Asphalt Block—The area of asphalt block pavement out of guarantee, under the charge of this Bureau on January 1, 1910, was 359,010 square yards. And there expired during 1910 75,743 square yards.

Making the area out of guarantee January 1, 1911 434,753 square yards.

Of the amount which expired during 1910 the average maintained during the year was 20,347 square yards. Making the total maintained during the year by this Bureau 379,357 square yards.

In keeping this in repair, there were laid 25,010 square yards, at a cost of \$53.177.19, or 14 cents per square yard for the entire area. The amount laid was 6.6 per cent. of the entire area maintained.

The total amount paid for repairs to asphalt pavements of all kinds out of guarantee during 1910 is as follows:

Sheet asphalt—wear and tear	\$256,614 80
Block asphalt—wear and tear	53,177 19
Fire burns	12,905 00
Unknown causes	2,095 00

Total

Fire-Burns—Asphalt—During the year the fires built by boys and irresponsible parties have been continued practically the same as in 1909. The actual amount expended, however, has been a little less, as the amount under guarantee has been reduced. The figures given in the report apply only to pavements under guarantee as fire-burns in out-of-guarantee streets are repaired under the regular maintenance contract and the cost included therein. The actual amount, however, is approximately the same as given here, so that the damage by fire is approximately double these figures.

It seems strange that damage to the amount of \$25,000 or \$30,000 each year can be done to pavements when the damage is done in plain sight of any one who may be on the streets. The actual amount of damage done to the pavements during 1910 is \$12,905.

Fire-Burns—Wood—During the past year wood pavements were damaged by fire to the amount of 442 square yards.

The cost of this work in 1909 was \$282,362, but it must be remembered that during 1910 the area maintained by the City was about 400,000 yards more than in 1909.

Abandoned Contracts—The abandoned pavement on Broadway was kept in repair for the year under contracts made for this work more than two years ago, with the

exception of Broadway between Canal and 14th streets, where a small contract was made the latter part of the year after the expiration of the previous contract.

The abandoned pavements under the contracts of the Warren-Scharf Asphalt Paving Co., the Atlantic-Alcatraz Asphalt Co., and the Fruin-Bambrick Paving Co., were maintained under two sets of contracts on each street, as in the beginning of the year funds were not available for the entire work. The total amount expended on these streets during the year was \$93,412.06. The guarantee on quite a number of the streets in these original contracts expired during the year, so that the yardage to be maintained will be considerably less in 1911 than in 1910. In two years the guarantees will nearly all have expired.

Openings in Pavements.

The streets of this Borough are being constantly torn up by the different sub-surface corporations, plumbers, Water Department, etc., and must continue to be as long as the Borough maintains its present rate of growth; and should it come to an entire standstill the openings made for repairs to work already constructed would still be large.

The work of keeping the pavements in repair is undoubtedly doubled by this work of opening the streets by the different corporations. The number of openings is kept as low as possible, but despite all care it must be large. In my judgment the openings made in the streets decrease the average life of the pavements in the Borough at least 25 per cent.

During 1910 permits were given for 28,010 openings, as against 31,800 in 1909. In addition to the above, many openings were made under emergency permits and by the Water Department, without any permits, as well as those made under the authority of the Public Service Commission. There were also issued 2,673 permits for plumbers to make water and sewer connections or repairs to same.

In connection with the large buildings that are constantly being erected, vaults are nearly always constructed out to the curb line. This damages the adjacent pavement to a great extent, both on account of cave-ins along the line of the vault and also by the dumping of building material on the pavement. During the year there have been 240 operations of this character. The pavement has been restored around 233 of these, involving the laying of 10,025 square yards of pavement. Seven remain still incomplete, which will require the restoration of 137 yards.

During the year the asphalt inspectors in the different divisions have reported 59,593 places which needed repair, and the police have made complaints of 45,937. The police complaints, however, have nearly all been duplicates of those of our own inspectors. The openings complained of have practically all been restored.

Repairs to Stone Pavements and Unpaved Streets.

This work for the past year has been under the charge of Mr. W. E. Dey, Assistant Engineer. He has directed in general the work of all the gangs, and the general foremen have taken charge directly under him.

The number of repair gangs for stone pavements, which were 43 in 1909, have been reduced to 30, and the amount of pavement laid in 1910 has been 264,356 square yards, as against 206,164 square yards in 1909.

The total cost per square yard for labor during the entire year, including the pay of men in yards, general foremen, etc., was \$1.23, and including material, \$1.33. If, however, the work of the last three quarters only be taken, the cost will be reduced to 96c. and \$1.06, respectively. This is due to the large carrying charges during the winter and the small amount of work done.

Following is a statement of the work of this force in detail:

Repairs to Stone Pavements.

Quarter.	Pay Orders, Sq. Yards.	General Repairs, Sq. Yards.	Total, Sq. Yards.
First	3,988	8,330	12,318
Second	3,925	79,809	83,734
Third	3,799	88,631	92,430
Fourth	4,428	71,446	75,874
Total	16,140	248,216	264,356

Average Force Employed.

Quarter.	Mechanics.	Laborers.	Horses and Carts.
First	167	130	86 (2 teams)
Second	151	206	61
Third	151	209	63
Fourth	146	194	61

Approximate cost of labor (repair gangs, section offices and yards), \$325,786.	
Labor cost, January 1 to April 4, approximately	\$83,524 00
Labor cost, April 4 to December 31	242,262 00
	\$325,786 00

Material Used.

Item.	Quantity.	Cost.
Sand	10,370 cubic yards	\$5,905 15
Gravel	2,936 cubic yards	8,275 92
Paving pitch	636 tons	8,412 75
Cement	767 bbls.	1,147 40
Wood	107¾ cords	1,267 50
Broken stone	405 cubic yards	506 25
Total cost of material used		\$25,514 97

Material on Hand.

Item.	Quantity.	Cost.
Sand	2,525 cubic yards	\$1,641 25
Gravel	339 cubic yards	1,006 83
Paving pitch	254.5 tons	3,537 55
Cement	220 bbls.	325 60
Wood	55 cords	660 00
Broken stone	1,226 cubic yards	1,233 50
Total cost of material on hand		\$8,404 73

Maintenance of Viaducts.

Quarter.	Regular Force Employed.	
First	2 Assistant Foremen	4 Laborers
Second	0 Assistant Foremen	2 Laborers
Third	0 Assistant Foremen	2 Laborers
Fourth	0 Assistant Foremen	2 Laborers
Total cost of labor, including temporary labor, for snow removal ..		\$3,045 00

Macadam and Unpaved Streets.			
Macadam roadway resurfaced.....	square yards	15,480	
Dirt roadway resurfaced.....	square yards	100,759	
Dirt roadway and gutters cleaned.....	miles	4 1/2	
Weeds cut.....	miles	27	
Flagging reset.....	square feet	892	
Curb reset.....	linear feet	115	
Retaining wall rebuilt.....	cubic yards	700	
Sprinklers used.....	hours	5,338	
Horse roller used.....	hours	330	
Steam roller used (hired).....	days	21	
Broken stone hauled and used.....	loads	841	
Screenings hauled and used.....	loads	416	
Ashes hauled and used.....	loads	44	
Cleanings hauled.....	loads	236	
Dirt hauled.....	loads	1,669	
Snow removed from gutters and basins.....	miles	2 4/5	
Washouts filled.....		78	
Barricades placed.....		4	

Average Force Employed.

Quarter.	Mechanics.	Laborers.	Horses and Carts.	Teams.
First.....	7	12		2
Second.....	7	12	4	6
Third.....	8	18	5	8
Fourth.....	8	18	4	6
Total cost of labor.....				\$32,606 00

Contracts for Material, 1910.

Item.	Quantity.	Price.	Cost.	Remarks.
Repairs to Stone Pavements:				
Sand.....	7,320 cubic yards	\$0 60	\$4,392 00	Delivery completed.
Sand.....	3,106 cubic yards	65	2,018 90	Delivery completed.
*Sand.....	1,500 cubic yards	60	900 00	*Contract registered Dec. 28, 1910.
Gravel.....	1,500 cubic yards	2 72	4,080 00	Delivery completed.
Gravel.....	1,575 cubic yards	2 97	4,677 75	Delivery completed.
*Gravel.....	1,000 cubic yards	2 43	2,430 00	*Contract registered Dec. 30, 1910; delivery begun.
Paving pitch.....	31,314 gals.	07 3/4	2,426 84	Delivery completed.
Paving pitch.....	449.79 tons	13 90	6,252 11	Delivery completed.
Cement.....	700 bbls.	1 48	1,036 00	Delivery completed.
Wood.....	78 3/4 cords	12 00	945 00	Delivery completed.
Tool repairs.....			1,346 12	Delivery completed.
*Tar and gravel heaters.....	18	124 99	2,249 82	*Only one delivered.
Total cost of contracts.....			\$32,754 54	

OPEN MARKET ORDERS.

Repairs to Stone Pavements.

Item.	Quantity.	Price.	Cost.	Remarks.
Sand (cu. yds.).....	189	\$0 70	\$132 30	Delivery completed.
Gravel (cu. yds.).....	200		525 00	Delivery completed.
Paving pitch (tons).....	71.08	13 00	924 04	Delivery completed.
Paving pitch (tons).....	54.46	14 25	847 31	Delivery completed.
Cement (bbls.).....	200	1 50 1/4	306 50	Delivery completed.
Wood (cords).....	35	12 00	420 00	Delivery completed.
Breaking paving blocks to broken stone (cu. yds.).....	1,196	1 00	1,196 00	Delivery completed.
Repairs to tool boxes.....			143 00	Work not begun.
Tar heaters.....	12	72 50	870 00	Delivery completed.
Tar and gravel heaters.....	2	250 00	500 00	Delivery completed.
Steel body tool boxes.....	5	65 00	325 00	Not delivered.
Tools and supplies.....			716 43	Partly delivered.
Total amount of open orders.....			\$6,905 58	

ORDERS.

Maintenance of Viaducts.

Purpose of Order.	Cost.	Remarks.
Rebuilding platforms and landings, 155th street	\$596 00	Partly completed.
Repairs to leaders and tin work, 155th street....	75 00	Partly completed.
Repairs to iron work, Riverside drive and 155th Street.....	55 00	Partly completed.
Lumber for repairs to platforms and steps, 155th street, work done by departmental labor.....	34 00	Lumber delivered.
Tools and supplies.....	28 37	Delivery completed.
Total amount of orders.....	\$788 37	

Macadam and Unpaved Streets.

Purpose of Orders.	Cost.	Remarks.
Repairs to sprinklers.....	\$109 00	Completed.
Rebuilding stairs and plank walk, 228th street and Marble Hill avenue.....	120 00	Completed.
600 cubic yards broken stone and screenings for resurfacing 145th street, 8th to Amsterdam avenue.....	956 13	Materials delivered.
Lumber for 123d street yard.....	40 00	Materials delivered.
Tools and supplies.....	95 35	Partly delivered.
Hire of steam roller, 21 days, at \$10 per day..	210 00	Work completed.
Stable hire, horseshoeing, etc.....	420 00	
Total amount of orders.....	\$1,950 48	

Sidewalks, etc.

The work of looking after sidewalk repairs, the removal of incumbrances, the erection and repair of street signs and house numbering has been grouped together, and the office in charge of this work is known as the Division of Sidewalks. This has been put under the direction of Mr. John A. Broderick. The Borough has been divided into different sections and an Inspector assigned to each, who patrols his section and makes daily reports to the head of the Division. The results have been very satisfactory and a large amount of work has been accomplished.

I quote herewith from Mr. Broderick's report to me:

"Inspections—12,943 sidewalks inspected and notices served upon owners to repair same; 4,025 sidewalks were reinspected upon request of owners and found to be repaired in a satisfactory manner; 9,741 obstructions reported upon and notices served; 5,980 inspections of street signs made; 171 inspections of hospital signs were

made; 60 inspections of traffic signs were made; 12 inspections regarding house numbering were made.

"Inspections have been made daily of all locations throughout the Borough where building operations were in progress, to see that the conditions of the permits were being complied with.

"In addition to the above, notices of the meetings held by the Borough President regarding the widening of Delancey, 23d, 34th and 42d streets were served, and after the meetings had been held, notices were served upon the owners of all encroachments on these streets to remove the same by May first, in accordance with the orders of the Borough President.

"Work Performed—3,370 locations visited by the incumbrance truck; 1,121 removals of obstructions made and all outside stands removed from Washington Market, on West, Vesey, Fulton and Washington streets; also all encroachments from the north and south side of Delancey street, between Essex and Norfolk streets; the corporation yards at West 123th street, West 56th street, and Rivington street were cleared of all rubbish. The accumulation in the Rivington street yard dated back fifteen years, and comprised about sixty (60) truck loads; 472 street sign posts erected; 47 street sign posts removed; 305 street sign posts painted; 16 street sign posts reset; 3 street sign posts repaired; 9 columns erected; 59 columns recaulked; 1 column replaced; 183 sidewalks cemented; 502 electric frames erected; 190 electric frames repaired; 31 electric frames removed; 433 electric frames reset; 38 electric frames cleaned; 3 electric frames painted; 302 Welsbach frames erected; 55 Welsbach frames repaired; 61 Welsbach frames removed; 37 Welsbach frames reset; 52 Welsbach frames painted; 28 Welsbach frames cleaned; 2 dead Welsbach frames removed; 115 Becker-Welsbach frames removed; 28 triangle boxes erected; 57 triangle boxes removed; 88 triangle boxes repaired; 3 triangle boxes painted; 59 triangle boxes reset; 231 triangle boxes cleaned; 3 square boxes erected; 8 square boxes repaired; 4 square boxes reset; 60 square boxes cleaned; 529 criss-cross signs erected; 106 criss-cross signs repaired; 44 criss-cross signs removed; 34 criss-cross signs reset; 148 criss-cross signs cleaned; 28 Edison boxes cleaned; 34 hospital signs erected; 4 hospital signs repaired; 12 hospital signs cleaned; 1 traffic sign repaired; 23 traffic signs removed; 7 traffic signs cleaned; 5,107 pieces opal glass installed; 325 pieces opal glass cleaned; 5,557 stencils installed; 3,883 stencils removed to be refinished; 2,809 enamels installed; 219 enamels removed; 2,838 enamels cleaned; 78 pieces blank (blue) glass installed in triangle boxes.

"Sidewalks—About 90 per cent. of our notices have been complied with. The sidewalks of this Borough to-day could not be counted as in first-class condition, but they are in good condition and are continually improving. Many vacant lots also have been fenced throughout the Borough in compliance with our notices.

"Incumbrances—302 obstructions removed to the corporation yards were redeemed by the owners. The various kinds of obstructions removed consisted of booths, stands, show-cases, signs, dispossessed office furniture and household furniture, barber poles, storm doors and building material where found beyond the limits of the permit, fallen trees, dangerous stumps and stones.

"Auction sales of unredeemed articles were held in the months of April, August and December, 1910, in accordance with the Ordinances.

"Street Signs—1,146 intersections of streets with one sign designating the street or avenue in either direction; 2,120 intersections of streets with two signs designating the street or avenue in either direction; 199 intersections of streets with three signs designating the street or avenue in either direction; 31 intersections of streets with four signs designating the street or avenue in either direction; 2 intersections of streets with five signs designating the street or avenue in either direction; 125 intersections of streets without signs of any kind; 177 hospital signs are in place; 60 traffic signs are in place. All of which are shown on maps now completed and on file in this office.

"All street signs in the Borough have been cleaned and repaired within the past year.

"House Numbering—From time to time it becomes necessary, owing to tearing down of old buildings and replacing them with new ones, to renumber streets; but during the past year we have found it possible in most cases to give the numbers required upon request of the owners from our maps.

"The following resolutions for renumbering are now pending before the Board of Aldermen: South side of 70th street between Madison and 5th avenue; south side of 71st street between Madison and 5th avenues; Lighthouse street between Hudson and Canal streets; 52d street between Park and Madison avenues; east side of 8th avenue between 125th and 126th streets; Cathedral parkway (110th street) from 7th avenue to Riverside drive; north and south sides of 157th street between Amsterdam avenue and Broadway; Fort Washington avenue. Maps have been prepared and the renumbering will be completed in the near future.

"Yards—Each yard now has a separate storeroom where our street sign material is kept, and the keeper has a stock book in which he keeps a record of all material on hand and the material used daily by the street sign gangs, so that it is possible at any time upon the shortest notice to know the amount of material on hand.

"Notices to repair sidewalks and remove obstructions are now mailed instead of being served by Inspectors, and has proven a great success. The Borough is divided into twelve (12) Inspection Districts, with an office in each District, to which the Inspectors report daily and communicate with this office by telephone. Each Inspector has been supplied with a book, recently compiled, known as 'Departmental Rules and City Ordinances Affecting the Division of Sidewalks,' and it has proven of valuable assistance to the men in the performance of their duties.

"The force of the Division is as follows: 1 Clerk in Charge; 3 Clerks, 14 Inspectors, 1 Keeper, 6 Foremen, 8 Laborers, 1 Driver, 1 double truck, 1 single truck, 1 horse and wagon.

"In closing, I wish to commend the employees under my immediate supervision for the interest they have taken in their work and for the energy which they have shown in the performance of their duties, some of whom are well advanced in years, having passed the three-score limit."

Chemical Laboratory.

The work of the laboratory has been carried out on the same lines as in previous years, except that a large amount of detailed analyses have been made for the Department of Public Works outside of the Bureau of Highways.

I quote in full the report made to me by Mr. Felix Kleeberg, the Chemist:

"I beg to hand you herewith summary of the work performed in the Chemical Laboratory for the year ending December 31, 1910.

"The number of samples collected either directly from the line of work or from the various contractors amounted to two thousand four hundred and sixteen (2,416) for the year. These samples include both the finished product as well as the constituents used in manufacturing these products, and are classified as follows:

Samples Collected.

Refined asphalt.....	231
Asphalt cements.....	213
Sands and fillers.....	415
Wood blocks.....	270
Tar oils.....	10
Paving pitches.....	24
Asphalt blocks.....	59
Fluxes.....	41
Asphalt wearing surfaces.....	970
Supplies.....	72
Miscellaneous.....	111
Total.....	2,416

"In addition to the above-mentioned samples, the contractors submitted six hundred and sixty (660) samples in connection with their bids, classified as follows:

Samples Submitted.

Crude asphalts	51
Refined asphalts	97
Asphalt cements	72
Fluxes	93
Sands and fillers	67
Paving pitches	29
Wood blocks	42
Tar oils	8
Asphalt blocks	37
Supplies	63
Miscellaneous	101
Total	660

"Where pavement work was concerned analyses were made in such a manner and in such numbers so that we had adequate control at all times of the quality of the materials delivered to the line of work. Where the shipments of supplies for Public Buildings and Offices were concerned, analyses were made on samples from each delivery. Where samples submitted with bids were concerned, whether for miscellaneous supplies or pavement work, analyses were made of the samples of the lowest bidder, or if these did not meet the requirements of our specifications, the samples of the next lowest bidder were analyzed in rotation.

"A summary of the number of analyses and tests made of the above-mentioned samples, together with analyses and tests made in the course of research work is as follows:

Refined asphalts	245
Asphalt cements	227
Asphalt blocks	23
Asphalt wearing surfaces	160
Wood blocks	246
Tar oils	18
Sands and fillers	239
Physical tests	220
Paving pitches	10
Supplies	111
Miscellaneous	302
Total	1,801

"Without going into detail, it can be stated in general that the quality of the products delivered have, with very few exceptions, which were corrected, conformed to the requirements of our specifications.

"Asphalt blocks have been uniformly excellent and have shown a density greater than called for by our specifications.

"The wood block manufacturers continue to improve their product. The blocks delivered this year have shown a greater resistance to the absorption of water, and a better penetration than heretofore.

"Sheet asphalt wearing surfaces have shown a fairly uniform excellence. Numerous tests have been made with the end in view of collecting sufficient data so that specifications for sheet asphalt work can in time be drawn more rigidly, both as regards ductility and penetration of the asphaltic cement, as well as regards the quality of the sand, so that even better results can eventually be obtained.

"In regard to the delivery of general supplies, only an insignificant amount had to be rejected as not conforming to the specifications.

"Investigations were also made and reported on relative to 'The Fungicidal Activity of Products Derived from Coal Tar and Water Gas Tar,' on 'The Volatility and Coefficient of Expansion of Coal Tar and Water Gas Tar Products,' and on 'The Ductility and Penetration of Asphaltic Cements.'

"The question of disinfectants for use in Public Stations was investigated, and tests made as to the relative value of the coal tar and the odorless disinfectants consisting of inorganic salts. The suggestion was made that disinfectants be purchased on a basis of their carbolic acid coefficient, and a report drawn showing how, if this factor is known, the disinfectant can be diluted to a point permitting of economic use, and at the same time to readily destroy such pathogenic micro-organisms as would be encountered in these stations.

"During May the laboratory, which previously had been occupying entirely unsuitable quarters, in which chemical work could be carried on only under difficulties, was moved to quarters where daylight can be utilized. The value of this move can not be overestimated, although for several weeks while gas, water and electrical connections were being installed, our work was seriously interfered with.

"During the year the laboratory equipment was enhanced by the purchase of a Smith ductility machine for testing the ductility of asphaltic cement, and by the purchase of a number of standard technical books and current technical publications. The laboratory now has a small but exceedingly useful working library.

"Towards the end of the year a new system for the collection of samples was inaugurated, in which the Inspectors directly assigned on construction work were instructed to collect samples and to immediately notify the laboratory if the material delivered appeared to be below standard. This system has not been under way long enough to judge of its value. However, with slight modifications, it promises to be successful. If the interest of the Inspectors can be awakened so that they will faithfully carry out their instructions the plan ought to be valuable.

"Recently the question of establishing a central laboratory for the entire City has been agitated. From certain points of view this idea is attractive, but as far as our own Department is concerned, it has nothing to gain but much to lose by such an arrangement. Our work is largely of such a nature that it can only be carried on by the trained specialist. I believe I am justified in stating that in our laboratory work of far-reaching value is being done, and that an arrangement which would curtail this work in any way would be detrimental to the best interests of this Department, and therefore to the City at large.

"The scope of our work is continually increasing, and our laboratory urgently requires assistants of the proper calibre, who can be trained in the special work pertaining to our Department. At the present time we are badly handicapped in this respect, and I respectfully request that you give this matter your early consideration."

Permits.

The work of issuing permits for the entire Department of Public Works has been consolidated in this Bureau during the past year under the direction of Mr. J. V. McManus, Clerk.

Permits for opening streets have been issued as follows:

	Services.	Repairs.	Total.
Consolidated Subway Company.....	2,465	614	3,079
Empire City Subway Company, Ltd.....	811	1,183	1,994
Fire Department	15	2	17
Police Department .....	....	1	1
Griffin & Co.....	1	....	1

	Services.	Repairs.	Total.
Montefiore Home	1	....	1
Department of Education.....	1	2	3
The Commercial Cable Co.....	....	1	1
Cowden & De Young.....	....	1	1
T. Frederick Jackson.....	....	1	1
Consolidated Gas Co.....	651	6,741	7,392
N. Y. Steam Co.....	65	175	240
The Corporation of Trinity Church.....	1	....	1
John C. Rodgers—for laying water mains.....	....	1	1
Henry E. Fox—for laying water mains.....	2	....	2
F. N. Lewis.....	....	1	1
Atlanta Contracting Co.—for laying water mains.....	....	3	3
Department of Docks and Ferries.....	1	1	2
Department of Water Supply, Gas and Electricity.....	13	....	13
N. Y. Mail and Newspaper Transportation Co.....	....	10	10
Western Union Telegraph Co.....	....	5	5
N. Y. Pneumatic Service Co.....	....	1	1
Wm. Higginson—for sewer construction.....	....	1	1
Joseph Moore—for sewer construction.....	....	1	1
Manhattan Refrigerating Co.—for refrigerating purposes .....	....	4	4
Conron Bros.' Co.—for refrigerating purposes.....	....	1	1
N. Y. Edison Co.—for erecting and repairing lamps...	....	....	255
United Electric Light & Power Co.—for erecting and repairing lamps .....	....	....	41
	4,027	8,750	13,073

For miscellaneous purposes.....	103
Metropolitan Street Railway Co.....	151
Third Avenue Railroad Co.....	37
Second Avenue Railroad Co.....	16
Central Park, North and East River Railroad Co.....	5
Interborough Rapid Transit Co.....	19
N. Y. Butchers' Dressed Meat Co.....	1
N. Y. Central and Hudson River Railroad Co.....	11
Erie Railroad Company.....	1
Union Railroad Co.....	2
Dry Dock, East Broadway and Battery Railroad Co.....	1
Department of Bridges.....	1
Emergency Permits—	
Consolidated Gas Co.....	447
N. Y. Edison Company.....	84
N. Y. Mail and Newspaper Transportation Co.....	4
N. Y. Steam Co.....	24
Empire City Subway Co., Ltd.....	5
Metropolitan Street Railway Co.....	1
Bureau of Sewers.....	69
Vault permits	289
Permits to open streets for water repairs, etc.....	1,884
Permits to open streets for sewer repairs.....	789
Permits for bay windows.....	1,063
Permits for ornamental projections.....	53
Permits to open streets for vaults and banner poles.....	103
Permits for overhead sheds.....	534
Permits for placing kettles on streets.....	643
Permits for placing boilers on streets.....	591
Permits for repairs to sidewalks.....	4,424
Permits for placing building material on streets.....	3,786
Permits for special permission to cross sidewalks.....	667
Total	28,881

Work Done by Corporations.

	Feet.
Length of New Mains Laid—	
Electric main conduits.....	173,759
Gas mains	46,049
Water mains	157,539
Pneumatic tubes	36,439
Steam mains	2,759
Refrigerating mains	932
Miscellaneous	50
	417,527
Length of Mains Overhauled—	
Gas mains	56,600
Electric mains	15,262
Steam mains	1,995
	73,857
Length of Services Laid (over 100 feet each)—	
Electricity	3,819
Railways, to construct.....	2,340
Total	497,543
	or 94,231 miles

Attached to this report are tables as follows:

- Table No. 1, showing in detail streets upon which asphalt pavements have been laid during 1910.
- Table No. 2, showing in detail streets upon which asphalt block pavements have been laid during 1910.
- Table No. 3, showing in detail streets upon which granite block pavements have been laid during 1910.
- Table No. 4, showing in detail streets upon which wood block pavements have been laid during 1910.
- Table No. 5, showing in detail macadam pavement resurfaced during 1910.
- Table No. 6, showing in detail streets that have been regulated, graded, etc., during 1910; also sidewalk contracts completed.
- Table No. 7, showing in detail streets where paving work was in progress on December 31, 1910; also streets where regulating, grading, etc., was in progress.
- Table No. 8, showing streets for which contracts have been registered and work not begun on December 31, 1910.
- Table No. 9, showing streets for improving which bids have been received but contracts not registered on December 31, 1910.

In closing this report I wish to express my thanks to yourself, the Assistant Commissioner and the Borough President for courtesies shown to me, as well as to all the members of my Bureau, for their efficient efforts during the year.

Respectfully submitted,

GEO. W. TILLSON, Chief Engineer.

BUREAU OF HIGHWAYS—MANHATTAN.

TABLE NO. 1.

Sheet Asphalt Pavements Completed During 1910.

Foundation, 6 inches concrete. Binder, 1 inch. Wearing surface, 2 inches.

Location.	From	To	Fund.	Former Pavement.	Roadway.		Width Paved.	Lin. Ft. Curb.		Yardage.		Price Per Sq. Yd. Incl. Foundation.		Total Cost.	Date Commenced.	Date Finished.	Contractor.	
					Length.	Width.		New.	Old.	City Area.	R.R.Area.	Total.	City Area.					R.R.Area.
Avenue A.....	64th street.....	67th street.....	Repaving Streets..	Granite block..	733	60	60	939	431	5,008	.....	5,008	\$1 82	.....	See Note.	Nov. 14, 1910	Dec. 27, 1910	Asphalt Con. Co.
Attorney street....	Division street....	Grand street....	Repaving Streets..	Belgian block..	302	24	24	503	94	794	.....	794	2 18	.....	\$2,425 48	May 13, 1910	May 25, 1910	Sicilian A. P. Co.
Barrow street.....	Washington street..	West street.....	Repaving Streets..	Sheet asphalt..	366	32	32	449	241	1,292	.....	1,292	2 17	.....	3,469 33	July 9, 1910	Aug. 6, 1910	Barber A. P. Co.
a Broadway.....	42d street.....	43d street.....	Repaving Streets..	Sheet asphalt..	240	60	45	.....	.....	.....	.....	.....	.....	.....	.....	Oct. 6, 1910	Nov. 18, 1910	Barber A. P. Co.
Avenue C.....	12th street.....	14th street.....	Repaving Streets..	Belgian block..	548	42	27	888	55	1,474	244	1,718	2 14	\$1 98	4,656 72	Aug. 5, 1910	Aug. 18, 1910	Sicilian A. P. Co.
Catharine street...	Oak street.....	Monroe street....	Repaving Streets..	Granite block..	72	22	22	105	15	193	.....	193	3 67	.....	859 01	May 11, 1910	May 23, 1910	Uvalde A. P. Co.
Catharine street...	Madison street....	Henry street.....	Repaving Streets..	Sheet asphalt..	224	22	22	389	37	543	.....	543	2 48	.....	1,824 79	Oct. 28, 1910	Nov. 15, 1910	Sicilian A. P. Co.
b Centre Market pl.	Grand street.....	Broome street....	Repaving Streets..	Belgian block..	417	21	21	.....	.....	.....	.....	.....	.....	.....	.....	Sept. 23, 1910	Oct. 13, 1910	Barber A. P. Co.
b Centre street....	Grand street.....	Broome street....	Repaving Streets..	Belgian block..	412	45	40	604	224	2,961	293	3,254	2 26	1 92½	8,141 25	Sept. 23, 1910	Oct. 13, 1910	Barber A. P. Co.
Charlton street....	McDougal street...	Greenwich street..	Repaving Streets..	Granite block..	1,445	35	35	2,704	47	4,111	1,325	5,436	2 09	1 93	14,276 74	June 10, 1910	July 23, 1910	Sicilian A. P. Co.
Christopher street..	Greenwich avenue...	Waverly place....	Repaving Streets..	Granite block..	401	25	20	719	24	701	.....	701	2 18	2 02	2,801 02	Aug. 23, 1910	Aug. 30, 1910	Sicilian A. P. Co.
Christopher street..	Waverly place....	Greenwich street..	Repaving Streets..	Granite block..	1,418	26	21	2,522	252	2,636	630	3,266	2 09	1 93	9,837 75	July 25, 1910	Aug. 22, 1910	Sicilian A. P. Co.
b Grand street....	Centre Market place.	Centre street.....	Repaving Streets..	Granite block..	203	34	19	.....	.....	.....	.....	.....	.....	.....	.....	Sept. 23, 1910	Oct. 13, 1910	Barber A. P. Co.
Houston street....	Norfolk street....	Essex street.....	Repaving Streets..	Sheet asphalt..	246	25	25	302	153	760	20	780	2 22	2 22	2,361 56	Oct. 14, 1910	Oct. 26, 1910	Uvalde A. P. Co.
Houston street....	Ludlow street.....	Eldridge street...	Repaving Streets..	Sheet asphalt..	713	25	25	986	188	1,918	99	2,017	2 07	2 02	4,716 30	Aug. 9, 1910	Sept. 8, 1910	Barber A. P. Co.
Jefferson street...	Cherry street.....	Monroe street....	Repaving Streets..	Sheet asphalt..	273	30	30	372	135	977	.....	977	2 48	.....	2,932 48	Oct. 15, 1910	Oct. 27, 1910	Sicilian A. P. Co.
c John street.....	William street....	Nassau street....	Repaving Streets..	Granite block..	446	23	23	740	94	1,953	.....	1,953	2 62	.....	5,993 36	Apr. 6, 1910	May 14, 1910	Uvalde A. P. Co.
Lafayette street...	Franklin street....	White street.....	Repaving Streets..	Sheet asphalt..	301	49	49	222	69	1,728	.....	1,728	2 36	.....	4,406 99	Oct. 27, 1910	Nov. 19, 1910	Sicilian A. P. Co.
Lewis street.....	Rivington street...	Stanton street....	Repaving Streets..	Granite block..	498	25	25	922	.....	1,447	.....	1,447	1 98	.....	4,013 55	Nov. 14, 1910	Nov. 29, 1910	Uvalde A. P. Co.
Liberty street....	280 ft. E. of Nassau st.	Broadway.....	Repaving Streets..	Sheet asphalt..	639	16-23	16-23	127	.....	1,383	.....	1,383	2 17	.....	3,293 00	Aug. 9, 1910	Aug. 31, 1910	Sicilian A. P. Co.
a Long Acre Square	43d street.....	47th street.....	Repaving Streets..	Sheet asphalt..	1,090	Irreg.	Irreg.	1,351	155	12,393	1,146	13,539	2 02	1 87	29,064 46	Oct. 6, 1910	Nov. 18, 1910	Barber A. P. Co.
Madison avenue...	42d street.....	50th street.....	Repaving Streets..	Sheet asphalt..	2,104	42	27	1,356	170	5,639	951	6,590	2 07	1 92	See Note.	Oct. 27, 1910	Dec. 16, 1910	Barber A. P. Co.
Oak street.....	Catharine street...	New Bowery.....	Repaving Streets..	Sheet asphalt..	979	19	19	784	910	2,237	.....	2,237	2 08	.....	6,205 71	Oct. 28, 1910	Nov. 19, 1910	Uvalde A. P. Co.
Renwick street...	Canal street.....	Spring street....	Repaving Streets..	Trap block....	554	26	26	965	65	1,602	.....	1,602	2 18	.....	4,819 47	May 26, 1910	June 9, 1910	Sicilian A. P. Co.
Scammel street...	Henry street.....	East Broadway...	Repaving Streets..	Sheet asphalt..	183	15	15	302	62	299	.....	299	2 48	.....	1,100 09	Nov. 29, 1910	Dec. 6, 1910	Barber A. P. Co.
Spring street....	Clarke street.....	Hudson street....	Repaving Streets..	Sheet asphalt..	774	32	32	969	50	2,754	19	2,773	2 10	1 95½	6,982 07	July 8, 1910	July 30, 1910	Barber A. P. Co.
St. Nicholas terrace	130th street.....	140th street....	Street Improvem't.	.....	3,094	27 & 30	27 & 30	1,467	3,809	9,867	1 94	9,867	1 94	.....	23,043 09	Nov. 28, 1909	May 3, 1910	Barber A. P. Co.
Stanton street....	Clinton street....	Cannon street....	Repaving Streets..	Sheet asphalt..	1,632	24 to 26	19 & 26	2,500	265	3,892	352	4,244	2 23	1 93	See Note.	Nov. 1, 1910	Dec. 31, 1910	Sicilian A. P. Co.
Waverly place....	Broadway.....	5th avenue.....	Repaving Streets..	Sheet asphalt..	1,179	32	32	722	365	4,324	45	4,369	2 22	2 22	10,906 83	Sept. 19, 1910	Oct. 21, 1910	Uvalde A. P. Co.
c William street...	John street.....	Fulton street....	Repaving Streets..	Granite block..	360	20	20	.....	.....	.....	.....	.....	.....	.....	.....	Apr. 6, 1910	May 14, 1910	Uvalde A. P. Co.
1st street.....	East Houston street.	Avenue A.....	Repaving Streets..	Granite block..	182	30	30	270	10	425	81	506	2 13	2 03	1,326 92	May 18, 1910	May 30, 1910	Uvalde A. P. Co.
1st street.....	Avenue A.....	2d avenue.....	Repaving Streets..	Sheet asphalt..	1,312	31	31	2,212	378	4,470	.....	4,470	2 04	.....	11,971 25	Aug. 22, 1910	Sept. 19, 1910	Sicilian A. P. Co.
3d street.....	2d avenue.....	Bowery.....	Repaving Streets..	Sheet asphalt..	537	30	30	628	308	1,777	.....	1,777	2 04	.....	4,546 93	Nov. 18, 1910	Dec. 1, 1910	Barber A. P. Co.
4th avenue.....	23d street.....	32d street.....	Repaving Streets..	Sheet asphalt..	2,335	60	45	549	447	11,069	1,135	12,204	1 97	1 82	25,076 38	Sept. 6, 1910	Dec. 2, 1910	Barber A. P. Co.
5th avenue, E. S.	47th street.....	48th street.....	Repaving Streets..	Widening.....	230	7½	7½	189	.....	193	.....	193	3 18	.....	878 33	Nov. 15, 1910	Nov. 28, 1910	Sicilian A. P. Co.
5th street.....	Avenue C.....	Avenue B.....	Repaving Streets..	Sheet asphalt..	686	30	30	1,263	107	2,262	.....	2,262	2 04	.....	6,176 53	Aug. 26, 1910	Sept. 29, 1910	Sicilian A. P. Co.
a 7th avenue.....	42d street.....	43d street.....	Repaving Streets..	Sheet asphalt..	240	60	45	.....	.....	.....	.....	.....	.....	.....	.....	Oct. 6, 1910	Nov. 18, 1910	Barber A. P. Co.
12th street.....	Avenue D.....	Avenue B.....	Repaving Streets..	Belgian block..	1,400	30	30	2,723	60	4,671	.....	4,671	1 98	.....	12,231 87	May 31, 1910	June 25, 1910	Uvalde A. P. Co.
13th street.....	Avenue D.....	1st avenue.....	Repaving Streets..	Granite block..	2,710	30	30	5,097	152	9,007	.....	9,007	2 07	.....	23,881 47	June 10, 1910	July 21, 1910	Uvalde A. P. Co.
15th street.....	5th avenue.....	6th avenue.....	Repaving Streets..	Sheet asphalt..	948	30	30	1,108	93	3,132	.....	3,132	2 08	.....	7,633 52	Apr. 8, 1910	May 12, 1910	Sicilian A. P. Co.
16th street.....	5th avenue.....	6th avenue.....	Repaving Streets..	Sheet asphalt..	943	30	30	448	32	3,129	.....	3,129	2 08	.....	7,886 66	June 20, 1910	July 23, 1910	Sicilian A. P. Co.
17th street.....	234 ft. W. of Ave. C.	1st avenue.....	Repaving Streets..	Belgian block..	1,789	30	25	3,154	263	4,130	845	4,975	1 98	1 90	13,174 54	June 27, 1910	July 30, 1910	Uvalde A. P. Co.
19th street.....	3d avenue.....	4th avenue.....	Repaving Streets..	Sheet asphalt..	901	30	30	982	496	2,992	.....	2,992	2 02	.....	7,461 12	Oct. 26, 1910	Nov. 19, 1910	Barber A. P. Co.
19th street.....	5th avenue.....	6th avenue.....	Repaving Streets..	Sheet asphalt..	943	30	30	448	32	3,129	.....	3,129	2 10	.....	7,260 67	June 27, 1910	July 18, 1910	Barber A. P. Co.
20th street.....	From 3d to 4th aves., except around park.	.....	Repaving Streets..	Sheet asphalt..	444	30	30	565	225	1,446	.....	1,446	2 03	.....	3,713 81	Oct. 18, 1910	Nov. 22, 1910	Barber A. P. Co.
21st street.....	From 3d to 4th aves., except around park.	.....	Repaving Streets..	Sheet asphalt..	445	30	30	716	78	1,457	.....	1,457	2 07	.....	3,881 01	Nov. 16, 1910	Dec. 10, 1910	Sicilian A. P. Co.
22d street.....	2d avenue.....	Lexington avenue.	Repaving Streets..	Sheet asphalt..	1,087	30	30	1,907	133	3,581	.....	3,581	2 08	.....	9,803 45	Apr. 20, 1910	May 26, 1910	Sicilian A. P. Co.
24th street.....	1st avenue.....	Madison avenue...	Repaving Streets..	Asphalt block..	2,680	30	30	2,118	914	8,895	.....	8,895	1 98	.....	See Note.	Sept. 6, 1910	Dec. 5, 1910	Barber A. P. Co.
26th street.....	Madison avenue...	Broadway.....	Repaving Streets..	Sheet asphalt..	643	30	30	445	287	2,129	.....	2,129	2 05	.....	5,162 99	Sept. 20, 1910	Nov. 17, 1910	Barber A. P. Co.
27th street.....	From 5th to 6th and 7th to 8th avenues...	.....	Repaving Streets..	Sheet asphalt..	1,676	30	30	2,117	303	5,570	.....	5,570	2 04	.....	14,191 12	Sept. 22, 1910	Oct. 26, 1910	Sicilian A. P. Co.
30th street.....	From 4th to Mad. and B'way to 6th ave.	.....	Repaving Streets..	Sheet asphalt..	748	30	30	819	267	2,463	.....	2,463	2 04½	.....	6,215 46	June 24, 1910	July 18, 1910	Barber A. P. Co.
30th street.....	420 ft. W. of W. C. L. of 10th av. to 11th av.	.....	Repaving Streets..	Sheet asphalt..	415	30	30	762	68	1,382	.....	1,382	2 30	.....	4,117 57	Sept. 26, 1910	Oct. 18, 1910	Sicilian A. P. Co.
33d street.....	Madison avenue...	Broadway																

TABLE No. 2.
Asphalt Block Pavements Completed During 1910.
Foundation, 5½ inches concrete. Binder, ½ inch cement. Wearing surface, 3 inches.

Location.	From	To	Fund.	Former Pavement.	Roadway.		Width Paved.	Lin. Ft. Curb.		Yardage.			Price Per Sq. Yd. Incl. Foundation.		Total Cost.	Date Commenced.	Date Finished.	Contractor.
					Length.	Width.		New.	Old.	City Area.	R.R. Area.	Total.	City Area.	R.R. Area.				
Academy street....	Seaman avenue.....	200 ft. E. Nagle av.	Street Improvem't.	.....	2,106	42	42	1,456	2,586	10,048	.....	10,048	\$2 37	.....	\$26,760 00	Oct. 5, 1910	Nov. 30, 1910	Harlem Con. Co.
*Amsterdam ave....	90th street.....	117th street.....	Repaving Streets..	Granite block..	4,632	60	45	7,297	613	22,327	2,059	24,386	2 76	\$2 42	See Note.	Aug. 31, 1910	Dec. 30, 1910	Sicilian A. P. Co.
Claremont avenue..	Northwest corner 116th street.....	116th street.....	Street Improvem't.	.....	268	Triangle.	.....	35	234	866	.....	866	2 98	.....	3,222 04	Sept. 30, 1910	Oct. 6, 1910	Harlem Con. Co.
Madison avenue....	94th street.....	116th street.....	Repaving Streets..	Granite block..	5,784	42	27	9,233	948	15,861	2,586	18,447	2 73	2 66	59,631 84	Apr. 18, 1910	June 18, 1910	Barber A. P. Co.
West End avenue..	62d street.....	69th street.....	Repaving Streets..	62d-65th, Belgian	1,821	40 }	40 & 60	1,597	1,841	12,809	.....	12,809	2 63	.....	37,701 31	Aug. 23, 1910	Oct. 13, 1910	Harlem Con. Co.
2d avenue.....	From 37th to 45th sts. and 53d to 58th sts..	.....	Repaving Streets..	Belgian block..	3,490	60	45	5,532	576	16,375	1,576	17,951	2 99	2 94	61,825 63	Apr. 20, 1910	July 28, 1910	Harlem Con. Co.
41st street.....	East River Wall....	2d avenue.....	Repaving Streets..	Belgian block..	611	30	30	1,140	54	2,067	.....	2,067	2 44	.....	6,609 99	June 30, 1910	Aug. 10, 1910	Harlem Con. Co.
60th street.....	Amsterdam avenue..	West End avenue..	Repaving Streets..	Belgian block..	825	30	30	1,579	21	2,725	.....	2,725	2 53	.....	See Note.	Nov. 18, 1910	Dec. 12, 1910	Harlem Con. Co.
64th street.....	East River.....	Avenue A.....	Repaving Streets..	Belgian block..	446	30	30	771	40	1,488	.....	1,488	3 10	.....	5,209 50	Oct. 26, 1910	Dec. 1, 1910	Barber A. P. Co.
91st street.....	Amsterdam avenue..	Broadway.....	Repaving Streets..	Granite block..	351	30	30	595	101	1,169	.....	1,169	2 36	.....	3,729 66	June 24, 1910	July 11, 1910	Sicilian A. P. Co.
94th street.....	3d avenue.....	Park avenue.....	Repaving Streets..	Belgian block..	870	30	30	1,432	76	2,899	.....	2,899	2 46	.....	9,013 71	July 12, 1910	Aug. 4, 1910	Sicilian A. P. Co.
98th street.....	Amsterdam avenue..	Broadway.....	Repaving Streets..	Granite block..	350	30	30	636	55	1,166	.....	1,166	2 66	.....	3,887 50	July 29, 1910	Aug. 8, 1910	Barber A. P. Co.
118th street.....	Park avenue.....	5th avenue.....	Repaving Streets..	Granite block..	852	30	30	1,605	70	2,824	.....	2,824	2 67	.....	9,472 08	May 23, 1910	June 25, 1910	Barber A. P. Co.
130th street.....	St. Nicholas terrace.	Convent avenue...	Street Improvem't.	.....	620	30	30	463	778	2,067	.....	2,067	2 95	.....	7,183 95	Dec. 15, 1909	May 10, 1910	Harlem Con. Co.
158th street.....	St. Nicholas avenue.	Edgecombe avenue	Street Improvem't.	.....	248	30	30	129	357	827	.....	827	2 79	.....	2,794 77	Oct. 3, 1910	Oct. 20, 1910	Harlem Con. Co.
163d street.....	St. Nicholas avenue.	Broadway.....	Street Improvem't.	.....	529	30	30	572	486	1,765	.....	1,765	2 62	.....	5,753 50	May 4, 1910	June 8, 1910	Sicilian A. P. Co.
164th street.....	Amsterdam avenue..	Broadway.....	Street Improvem't.	.....	710	30	30	824	594	2,366	.....	2,366	2 62	.....	7,739 44	May 27, 1910	June 23, 1910	Sicilian A. P. Co.
169th street.....	Amsterdam avenue..	St. Nicholas avenue	Repaving Streets..	Granite block..	815	30	30	489	1,072	2,808	.....	2,808	2 38	.....	8,072 52	Oct. 17, 1910	Oct. 29, 1910	Harlem Con. Co.
171st street.....	Broadway.....	Ft. Washington ave.	Street Improvem't.	.....	534	30	30	46	1,008	1,781	.....	1,781	2 49	.....	5,330 74	Oct. 3, 1910	Oct. 18, 1910	Harlem Con. Co.
177th street.....	St. Nicholas avenue.	Ft. Washington ave.	Street Improvem't.	.....	974	30	30	753	1,171	3,248	.....	3,248	2 62	.....	10,755 74	July 27, 1910	Aug. 31, 1910	Harlem Con. Co.
178th street.....	Broadway.....	Pinehurst avenue..	Street Improvem't.	.....	582	30	30	305	858	1,942	.....	1,942	2 62	.....	6,145 99	Aug. 5, 1910	Sept. 1, 1910	Harlem Con. Co.
179th street.....	Broadway.....	Haven avenue.....	Street Improvem't.	.....	930	30	30	426	1,421	3,109	.....	3,109	2 65	.....	9,865 12	Aug. 11, 1910	Sept. 3, 1910	Harlem Con. Co.
207th street.....	Bridge entrance...	Harlem River.....	Street Improvem't.	.....	360	48	48 }	88	661	3,161	.....	3,161	2 73	.....	9,367 31	July 7, 1910	Aug. 22, 1910	Harlem Con. Co.
213th street.....	10th avenue.....	Broadway.....	Street Improvem't.	.....	118	118	118 }	76	655	1,218	.....	1,218	2 47	.....	3,678 23	July 18, 1910	Aug. 4, 1910	Harlem Con. Co.
215th street.....	Harlem River.....	450 ft. E. of 9th ave.	Street Improvem't.	.....	365	30	30	76	655	1,218	.....	1,218	2 47	.....	3,678 23	July 18, 1910	Aug. 4, 1910	Harlem Con. Co.
					1,153	60	60	196	2,059	7,821	.....	7,821	2 37	.....	20,487 27	Sept. 20, 1910	Oct. 15, 1910	Harlem Con. Co.

*Except from 93d to 94th streets, 96th to 97th and 99th to 106th streets. Note—Completed, but not accepted.

TABLE No. 3.
Granite Block Pavements Completed During 1910.
Foundation, 6 inches concrete. Binder, 1½ inches sand. Wearing surface, 7½-inch blocks.

Foundation, 6 inches concrete. Binder, 1½ inches sand. Wearing surface, 7½-inch blocks.																			
Location.	From	To	Fund.	Former Pavement.	Roadway.		Width Paved.	Lin. Ft. Curb.		Yardage.		New Bridge, Square Feet.	Total Price Per Sq. Yd. Incl. Foundation.			Total Cost.	Date Commenced.	Date Finished.	Contractor.
					Length.	Width.		New.	Old.	City Area.	R. R. Area.		Sq. Yards.	City Area.	R. R. Area.				
Amsterdam avenue	62d street.....	63d street.....	Repaving Streets..	Granite block..	302	60	45	547	...	1,448	132	644	1,652	\$3 32	\$3 32	\$6,327 03	Oct. 21, 1910	Nov. 19, 1910	W. J. Fitzgerald.
Beach street.....	Varick street.....	West street.....	Repaving Streets..	Granite block..	877	36	36	1,095	180	3,696	578	1,421	4,432	3 22	3 22	See Note.	Oct. 28, 1910	Dec. 6, 1910	Rafferty Bros.
Charlton street....	Greenwich street....	West street.....	Repaving Streets..	Granite block..	447	36	31	680	...	1,312	210	528	1,581	3 16	3 16	5,877 75	May 28, 1910	June 6, 1910	W. J. Fitzgerald.
Desbrosses street..	Hudson street.....	West street.....	Repaving Streets..	Granite block..	873	35	35	1,348	31	2,565	261	985	2,935	3 17	3 17	9,805 45	Apr. 6, 1910	May 3, 1910	W. J. Fitzgerald.
Gansevoort street..	13th street.....	West street.....	Repaving Streets..	Granite block..	1,317	34 & 25	34 & 25	2,000	...	4,551	182	1,225	4,869	3 02	3 02	See Note.	Oct. 31, 1910	Dec. 28, 1910	Rafferty Bros.
Harrison street....	Hudson street.....	West street.....	Repaving Streets..	Granite block..	898	36	36	1,123	...	3,585	44	1,073	3,748	2 90	2 90	11,769 53	Apr. 22, 1910	May 21, 1910	W. J. Fitzgerald.
New Chambers st.	Cherry street.....	Park Row.....	Repaving Streets..	Granite block..	1,587	35	20	2,374	165	3,796	693	4,078	4,942	3 11	3 11	18,766 13	July 9, 1910	Oct. 27, 1910	Rafferty Bros.
Pearl street.....	New Bowery.....	Park Row.....	Repaving Streets..	Belgian block..	714	32 to 41	32 to 41	1,172	...	2,747	...	488	2,801	3 34	...	10,658 08	June 8, 1910	June 22, 1910	W. J. Fitzgerald.
Rose street.....	New Chambers st...	Frankfort street..	Repaving Streets..	Belgian block..	778	16 to 19	16 to 19	1,120	45	1,478	...	257	1,507	3 28	...	6,183 86	June 23, 1910	July 18, 1910	W. J. Fitzgerald.
Vandam street....	Varick street.....	Greenwich street..	Repaving Streets..	Granite block..	791	34	34	1,008	...	2,968	...	446	3,018	3 15	...	10,460 92	May 8, 1910	June 2, 1910	W. J. Fitzgerald.
*Walker street....	Lafayette street....	West Broadway...	Repaving Streets..	Granite block..	445	26	26	1,056	155	2,380	1,237	962	3,724	3 42	3 42	13,684 14	Sept. 27, 1910	Nov. 15, 1910	Rafferty Bros.
				Granite block..	945	24	24												
1st avenue.....	Houston street.....	20th street.....	Repaving Streets..	Houston-8th, Belg. 8th-20th, Granite.	4,981	60	60	8,635	267	28,932	3,693	7,153	33,420	3 09	3 09	113,254 60	Aug. 23, 1910	Nov. 12, 1910	W. J. Fitzgerald.
1st avenue.....	20th street.....	59th street.....	Repaving Streets..	Sheet asphalt..	6,682	60	60												
				Sheet asphalt..	1,785	60	45	12,948	1,946	37,850	14,695	20,310	54,802	3 05	3 05	183,893 45	Sept. 20, 1909	July 18, 1910	Rafferty Bros.
2d avenue.....	45th street.....	48th street.....	Repaving Streets..	Belgian block..	738	60	45	1,334	62	3,327	318	969	3,753	3 11	3 11	12,975 80	Mar. 28, 1910	July 14, 1910	Rafferty Bros.
4th street.....	Broadway.....	Washington Sq. E.	Repaving Streets..	Sheet asphalt..	680	32	32	572	42	2,391	...	581	2,456	3 55	...	8,150 50	Sept. 12, 1910	Nov. 28, 1910	Atlantic Con. Co.
9th avenue.....	12th street.....	31st street.....	Repaving Streets..	Belgian block..	4,921	60	45	7,218	948	22,832	2,429	6,106	25,940	2 87	2 87	80,061 61	Apr. 21, 1910	Aug. 20, 1910	Scoria Pav. Co.
9th avenue.....	34th street.....	59th street.....	Repaving Streets..	Belgian block..	6,421	60	45	10,052	927	29,469	2,808	6,339	32,981	2 87	2 87	See Note.	July 8, 1910	Nov. 12, 1910	Rafferty Bros.
146th street.....	258 ft. W. of W. C. L. B'way.	Riverside Dr.	Repaving Streets..	Granite block..	75	30	30	...	...	251	...	...	251	3 60	...	904 00	Sept. 19, 1910	Sept. 29, 1910	D. W. Moran.
149th street.....	Broadway.....	Riverside Drive...	Street Improvem't.	...	347	30	30	490	197	1,141	...	126	1,155	3 56	...	5,479 23	Nov. 8, 1909	July 20, 1910	Cunningham & Kearns.

*Six-inch blocks used. Note—Completed, but not accepted.

TABLE No. 4.
Wood Block Pavements Completed During 1910.
Foundation, 5½ inches concrete. Binder, ½-inch cement mortar. Wearing surface, 4-inch blocks.

Location.	From	To	Fund.	Former Pavement.	Roadway.		Width Paved.	Lin. Ft. Curb.		Yardage.			Price Per Sq. Yd. Incl. Foundation.		Total Cost.	Date Commenced.	Date Finished.	Contractor.
					Length.	Width.		New.	Old.	City Area.	R.R. Area.	Total.	City Area.	R.R. Area.				
Avenue A.....	Houston street.....	24th street.....	Repaving Streets..	Houst.-23d, G.B. }	5,919	42	42	10,016	441	16,037	6,945	22,982	\$3 09	\$3 09	\$80,222 11	Oct. 22, 1909	Apr. 21, 1910	U. S. Wood P. Co.
Bedford street....	Houston street.....	Grove street.....	Repaving Streets..	23d-24th, B. B. }	1,256	20	20	2,264	130	2,835	.....	2,835	3 35	.....	11,787 33	June 3, 1910	July 2, 1910	Republic Con. Co.

Location.	From	To	Fund.	Former Pavement.	Roadway.		Width Paved.	Lin. Ft. Curb.		Yardage.		Price Per Sq. Yd. Incl. Foundation.		Total Cost.	Date Commenced.	Date Finished.	Contractor.		
					Length.	Width.		New.	Old.	City Area.	R.R.Area.	Total.	City Area.					R.R.Area.	
Cannon street....	Rivington street....	Houston street....	Repaving	Streets..	Belgian block..	814	25	25	1,561	55	1,473	814	2,287	\$3 50	\$3 45	\$9,910 34	Nov. 29, 1909	Jan. 25, 1910	U. S. Wood P. Co.
Delancey street....	East street.....	Ridge street.....	Repaving	Streets..	Belgian block..	2,215	31 to 70	21 to 60	2,160	91	5,552	2,015	7,567	3 31	3 21	27,794 90	June 12, 1910	Sept. 1, 1910	Republic Con. Co.
Delancey street....	Essex street.....	Chrystie street....	Repaving	Streets..	Granite block..	1,571	106	81	1,917	1,056	11,432	1,677	13,109	3 39	3 15	51,725 97	Apr. 4, 1910	July 7, 1910	U. S. Wood P. Co.
Lewis street....	Grand street....	Delancey street....	Repaving	Streets..	Belgian block..	666	26	26	962	65	1,218	680	1,898	3 50	3 45	7,965 31	Nov. 15, 1909	Jan. 31, 1910	U. S. Wood P. Co.
Washington Sq. So.	Washington Sq. E....	Washington Sq. W.	Repaving	Streets..	Sheet asphalt..	1,010	32	32 & 27	1,063	514	2,923	372	3,295	3 42	3 42	See Note.	Oct. 24, 1910	Dec. 14, 1910	Republic Con. Co.
1st avenue.....	From 25th to 26th and 28th to 29th streets.		Repaving	Streets..	Sheet asphalt..	453	60	60	601	39	2,055	945	3,000	3 03	3 03	9,880 59	Sept. 5, 1910	Oct. 26, 1910	Republic Con. Co.
2d avenue.....	From 23d to 37th and 48th to 53d streets.		Repaving	Streets..	Belgian block..	4,960	60	45	8,071	410	22,666	2,424	25,090	3 50	3 45	96,044 88	Sept. 29, 1909	Feb. 24, 1910	U. S. Wood P. Co.

Note—Completed, but not accepted.

TABLE No. 5.
Macadam Pavement Completed During 1910.
3-inch topping.

Location.	From	To	Fund.	Former Pavement.	Roadway.		Width Paved.	Lin. Ft. Curb.		Yardage.			Price Per Sq. Yd. Incl. Foundation.		Total Cost.	Date Commenced.	Date Finished.	Contractor.
					Length.	Width.		New.	Old.	City Area.	R.R.Area.	Total.	City Area.	R.R.Area.				
Riverside drive....	161st street.....	B'way & Dyckman.	Repaving Streets..	Macadam	13,051	26	26	....	....	37,140	....	37,140	\$0 58	....	See Note.	Oct. 14, 1910	Dec. 10, 1910	Harlem Con. Co.

Note—Completed, but not accepted.

TABLE No. 6.
Streets Regulated, Graded, etc., on Contracts Completed During 1910.

Location.	From	To	Fund.	Lin. Ft. Curb.		Cu. Yds. Excavation.		Cubic Yards Fill.	Length.	Width.		Final Estimate.	Date Commenced.	Date Finished.	Contractor.
				New.	Old.	Earth.	Rock.			Roadway.	Street.				
Northern avenue....	Repairing washout nr.	Ft. Washington av.	Street Improvem't.	542	231	5,599	1,000	500	314	30	60	\$10,688 54	Oct. 26, 1909	July 4, 1910	Wm. H. Masterson.
76th street.....	Exterior street....	314 ft. west.....	Street Improvem't.	....	89	156	....	....	....	....	....	4,365 20	Mar. 24, 1910	July 15, 1910	Cooper-Evans Co.
149th street.....	Broadway	Riverside drive....	Street Improvem't.	789	....	170	....	....	412	30	60	1,975 03	Sept. 1, 1909	Jan. 15, 1910	Chas. W. Collins.
150th street.....	Broadway	Riverside drive....	Street Improvem't.	....	....	....	....	....	....	....	....	....	....	....	....
151st street.....	Broadway	Riverside drive....	Street Improvem't.	525	....	250	....	1,620	353	30	60	863 06	Aug. 2, 1910	Oct. 14, 1910	Terry and Tench Co.
169th street.....	Ft. Washington av.	Haven avenue....	Street Improvem't.	....	....	....	....	....	....	....	....	....	....	....	....

Sidewalk Contracts Completed During 1910.

Location.	From	To	Fund.	Sq. Ft. Flagging.		Sq. Ft. New Cement Sidewalk.	Final Estimate.	Date Commenced.	Date Finished.	Contractor.
				New.	Old.					
Lenox avenue.....	Nos. 304-306-308		Street Improvem't.	114	258	665	\$235 08	Nov. 23, 1910	Nov. 30, 1910	Chas. C. Carroll.
St. Nicholas Ter....	135th street.....	Junc. Convent ave.	Street Improvem't.	12,245	4,275	....	4,899 75	May 9, 1910	Aug. 13, 1910	Dennis McCarthy.

TABLE No. 7.
Work Not Finished Up to December 31, 1910. (A) Paving.

Location.	From	To	Pavement.	Total Yardage (Estimated).		Yardage Laid.	Total Length.	Length Laid.	Contractor.
				Earth.	Rock.				
Avenue D.....	11th street.....	14th street.....	Granite block.....	*2,947	1,470	810	770	....	Rafferty Bros.
Delancey street....	Bowery	Lafayette street...	Wood block.....	4,450	....	935	....	....	U. S. Wood Preserving Co.
5th avenue.....	Washington Sq. S.	Washington Sq. N.	Sheet asphalt.....	3,930	1,600	565	188	....	Sicilian Asphalt Paving Co.
11th avenue.....	27th street.....	42d street.....	Granite block.....	*22,943	8,300	4,488	2,180	....	W. J. Fitzgerald.
and 33d street....	10th avenue.....	11th avenue.....	Granite block.....	2,190	....	965	....	....	Barber Asphalt Paving Co.
42d st. (south side).	5th avenue.....	6th avenue.....	Sheet asphalt.....	*1,960	....	574	....	....	Harlem Contracting Co.
58th street.....	261.3 ft. w. of 10th.	11th avenue.....	Granite block.....	*2,753	....	819	....	....	W. J. Fitzgerald.
153d street.....	Broadway	Riverside drive....	Granite block.....	....	....	....	....	....	....

*Indicates that the yardage includes the area of the bridge stone.

(B) Regulating, Grading, etc.

Location.	From	To	Cu. Yds. Excavation.		Cubic Yards Fill.	Sq. Ft. Flagging.		Sq. Ft. Cement Sidewalk.	Contractor.
			Earth.	Rock.		New.	Old.		
Arden avenue.....	Nagle avenue....	Broadway	4,500	15,800	6,100	11,000	500	....	Wm. H. Masterson.
*Bennett avenue....	181st street.....	Broadway	16,800	22,800	78,600	28,600	....	....	C. W. Collins.
Buena Vista avenue.	177th street.....	178th street.....	875	800	900	2,970	....	....	LaMura Construction Co.
Delancey street....	Bowery	Lafayette street....	160	....	100	18,200	300	....	Dennis McCarthy.
Haven avenue.....	Ft. Washington av.	170th street.....	3,700	200	100	5,650	250	....	P. J. Duffy.
Riverside drive....	145th street.....	158th street.....	96,000	3,500	345,000	16,200	....	247,500	John C. Rodgers.
R'side dr. (widening).	158th street.....	165th street.....	4,300	3,200	20,300	9,600	....	....	Allegro and Spallone.
*Thayer street....	Nagle avenue....	Broadway	700	8,300	13,100	11,400	500	....	C. W. Collins.
151st street.....	Broadway	Riverside drive....	660	10	1,840	3,110	....	....	W. J. Fitzgerald.
177th street.....	Ft. Washington av.	Riverside Drive....	2,784	3,171	2,500	10,820	....	....	P. Reddy.
190th street.....	St. Nicholas ave.	Wadsworth avenue....	1,900	1,900	....	2,700	....	....	C. W. Collins.
218th street.....	Broadway	Seaman avenue....	16,500	5,400	....	7,200	....	....	J. B. Malatesta.
8th street (flagging).	No. 37-39 west....		....	....	....	368	....	....	Charles C. Carroll.

Notes—All quantities in Table B are based on preliminary estimates.

* in Table B indicates that the contract has been abandoned.

TABLE No. 8.
Contracts Registered and Work Not Begun, December 31, 1910.

Location.	From	To	Kind of Work.	Yard- age.	Estimated Cost.	Con- tractor.
Amsterdam ave. 104th street....	105th street....	Sheet asphalt	1,450	\$3,249 75	Asphalt C. Co.	
Cannon street....	Broome street....	Delancey street....	Sheet asphalt	990	2,937 00	Sicilian A. P. Co.
Cedar street....	Trinity place....	West street....	Sheet asphalt	1,650	5,981 00	Rafferty Bros.
Cherry street....	Jackson street....	Roosevelt street....	Sheet asphalt	14,940	39,656 50	Uvalde A. P. Co.
Cherry street....	Franklin square....	Roosevelt street....	Granite block	1,150	4,641 80	Rafferty Bros.
Crosby street....	Howard street....	Bleecker street....	Granite block	8,100	29,561 00	Rafferty Bros.
Emerson street....	Broadway	Seaman avenue....	Asphalt block	2,460	7,034 00	Harlem C. Co.
Frankfort st. Cliff street....	William st. & Pearl street.	Granite block	3,930	15,484 40	Rafferty Bros.	
Vandewater st. Frankfort street....	West street....	Granite block	3,060	10,488 60	W. J. Fitzgerald.	
Franklin street....	Hudson street....	Beach street....	Granite block	9,840	37,231 10	W. J. Fitzgerald.
Laight street....	Varick street....	Hudson street....	Granite block	1,690	5,287 00	Rafferty Bros.
Mulberry st. Broome street....	Bleecker street....	Sheet asphalt	5,540	15,067 00	Barber A. Co.	
N. William st. Frankfort street....	Park Row and Pearl street.	Granite block	2,800	11,115 60	Rafferty Bros.	
Water street....	Burling Slip....	Maiden lane....	Granite block	890	3,743 00	Atlanta C. Co.
Watts street....	West Broadway....	West street....	Granite block	8,180	29,302 00	Rafferty Bros.
2d avenue....	33d street....	94th street....	Blt asphalt	15,800	45,837 50	Sicilian A. P. Co.
3d street....	East River....	Lewis street....	Granite block	2,720	9,867 10	Rafferty Bros.
5th street....	Avenue B....	Bowery	Sheet asphalt	8,960	23,837 70	Sicilian A. P. Co.
14th street....	9th avenue....	Marginal street....	Granite block	4,610	16,348 30	W. J. Fitzgerald.
19th street....	Avenue A....	2d avenue....	Granite block	3,910	14,083 20	Rafferty Bros.
20th street....	9th avenue....	10th avenue....	Sheet asphalt	4,500	11,868 00	Sicilian A. P. Co.
21st street....	East River....	1st avenue....	Sheet asphalt	2,780	7,028 90	Barber A. Co.
29th street....	3d avenue....	Lexington ave....	Sheet asphalt	4,780	17,127 70	Rafferty Bros.
42d st. S. S. 5th avenue....	6th avenue....	Sheet asphalt	2,160	5,760 55	Barber A. Co.	
61st street....	Amsterdam ave. West End ave.	Sheet asphalt	2,800	9,169 50	Harlem C. Co.	
81st street....	East End ave. Exterior street....	Sheet asphalt	300	1,125 00	Uvalde A. P. Co.	
82d street....	2d avenue....	Park avenue....	Asphalt block	5,135	16,392 60	Sicilian A. P. Co.
95th street....	2d avenue....	Park avenue....	Asphalt block	5,170	16,418 80	Sicilian A. P. Co.
97th street....	3d avenue....	Park avenue....	Asphalt block	5,190	16,451 00	Sicilian A. P. Co.
147th street....	25 ft. w. B'way....	Riverside drive....	Asphalt block	1,290	752 00	W. J. Fitzgerald.
151st street....	St. Nicholas ave. Amsterdam ave....	Asphalt block	2,950	9,518 40	Harlem C. Co.	

TABLE No. 9.
Work for Which Bids Have Been Received and Contracts Not Made Up to December 31, 1910.

Location.	From	To	Pave- ment.	Yard- age.	Cost.	Con- tractor.
Avenue B.....	18th street.....	20th street.....	Granite block	1,510	\$5,882 70	Rafferty Bros.
Broadway.....	92d street.....	108th street.....	Sheet asphalt	17,370	36,258 05	Asphalt C. Co.
Horatio street.....	Greenwich street.....	Washington st.....	Sheet asphalt	1,110	3,295 20	Uvalde A. P. Co.
Pearl street.....	Broad street.....	Coenties Slip.....	Sheet asphalt	920	2,320 80	Uvalde A. P. Co.
174th street.....	Amsterdam ave.....	Audubon avenue.....	Asphalt block	1,310	4,206 00	Harlem C. Co.
42d st. S. S. 474 ft. w. 5th av.	6th avenue.....	Cem't sidewalk	10,000	2,694 00	D. McCarthy.	

REPORT OF CASHIER.

Office of the Commissioner of Public Works, Borough of Manhattan, January 3, 1911.

Hon. E. V. FROTHINGHAM, Commissioner of Public Works:

Sir—Below please find statement of all moneys received by me as Cashier to the Commissioner of Public Works for the year ending December 28, 1910:

	Special.	General.	Sinking.
Restoring and Repaving.....	\$190,267 49		
Sewers		\$21,275 65	
Bay windows		13,623 51	
Ornamental projections		8,372 42	
Sheds		2,845 00	
Redemptions		670 00	
Work and material		400 00	
Auction sales		952 32	
Fee for opening street		10 00	
Damage to automobile		5 00	
Vaults			\$316,846 06
Total			\$555,267 45

Respectfully,

M. J. MALLAHAN.

Office of the Commissioner of Public Works, Borough of Manhattan, January 3, 1911.

Hon. E. V. FROTHINGHAM, Commissioner of Public Works:

Sir—Below please find statement of Special Security Deposit for the year ending December 31, 1910:

Balance—December 31, 1909, \$10,756; first quarter, \$11,066; second quarter, \$12,230; third quarter, \$12,086.

Withdrawals—First quarter, \$2,365; second quarter, \$3,236; third quarter, \$3,200; fourth quarter, \$2,845.

Deposit—First quarter, \$2,675; second quarter, \$4,400; third quarter, \$3,056; fourth quarter, \$2,390.

Balance—First quarter, \$11,066; second quarter, \$12,230; third quarter, \$12,086; fourth quarter, \$11,631.

Balance December 31, 1910, \$11,631.

Respectfully,

M. J. MALLAHAN, Cashier.

REPORT OF BUREAU OF STREET OPENINGS.

President of the Borough of Manhattan, Office of Commissioner of Public Works, New York, January 27, 1911.

Hon. E. V. FROTHINGHAM, Commissioner:

Dear Sir—In compliance with your instructions I have the honor to submit the report of the operations of this Bureau for the year ending December 31, 1910.

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

Reports.

Reports with maps, plans, descriptions, etc., on petitions for the laying out and establishing new streets, avenues, public parks and places, and the extending, widening and changing the lines and grades of the same, with estimates of cost, etc.:

134th street, Broadway to Riverside Drive; petition to change grades; report, diagram, estimate, etc.

Public park, St. Nicholas to Edgecombe avenue, 136th street to 140th street; report, estimate, etc.

Park avenue, 32d street to 35 street, and 34th street, from Lexington to Madison avenue; petition to change grades, etc.; report, diagram, estimate, etc.

A new street, Fort George avenue to Dyckman street; petition to acquire title to street; report, estimate, etc.

Park Terrace East and Park Terrace West; petition to open, report, estimate, etc.

Seaman avenue, from Isham street to 218th street; petition to open, report, estimate, etc.

Isham street, from Broadway to 218th street; petition to open, report, estimate, etc.

215th street, from Broadway to Isham street; petition to open, report, estimate, etc.

218th street, from Broadway to U. S. ship canal; petition to open, report, estimate, etc.

West 139th, West 140th, West 141st and West 142d streets, with addition to Riverside Drive, on change of grade, etc., and personal attendance before the Commissioners for Opening.

Irving Place extension, from 14th street to 4th avenue, near 12 street; also from 20th to 21st street; report and diagram.

A tunnel street, from Fairview avenue, near Broadway, to subway station at West 191st street and St. Nicholas avenue.

A public park bounded by 15th and 16th streets, 10th avenue and marginal street, Hudson River.

Park avenue playgrounds, from 117th to 133d street; report layout, estimate of cost, plans for construction, etc.

Change of grade, 12th avenue, 134th to 135th street, and of 135th street, from 12th avenue to the bulkhead line, Hudson River.

Lands to be taken for Riverside Drive extension, from 155th street to Ft. Washington Park, with estimate of the cost of the proposed land on the westerly side of the Hudson River.

Grades on West 128th and West 129th streets, from Amsterdam to Convent avenue; report, etc.

Report on the proposed change of grade on Seaman avenue, from Dyckman street to Academy street, connecting streets, etc.

Maps for Filing in Sets of Three Copies Each.

West 155th street, from Broadway to Riverside Drive, and Riverside Drive, east side, between 155th and 156th street, with change of grade on 155th street, between Broadway and the Drive.

Alteration of grades on 12th avenue, from West 134th street to West 135th street, and on West 135th street, from 12th avenue to United States War Department line bulkhead, Hudson River.

Plans for a proposed tunnel, from Broadway to subway station at St. Nicholas avenue, near West 191st street.

Change of grades, plan and profile for the streets bounded by the United States War Department line, West 218th street, Broadway and West 215th street.

Plan and profile of the alteration of the grade on St. Nicholas avenue, from Fort George avenue to a point 97.91 feet southerly from the centre line of Nagle avenue.

Maps for Street Openings.

The following maps have been forwarded to the Corporation Counsel for the appointment of Commissioners to take title in the name of the City:

Rule maps in triplicate, with technical descriptions; profile maps showing natural surface of land within the street lines and its relative position to the grades established; damage maps showing the lands and incumbrances taken; benefit maps showing the lands and property benefited, with technical description, and detailed survey showing the actual area of each plot or parcel affected; three copies each.

Seaman avenue extension, from Academy to Dyckman street, and new street north of Dyckman street, from Broadway to Seaman avenue.

Buena Vista avenue, from Haven avenue to 176th street, and W. 172d street and 173d street, from Fort Washington avenue to Buena Vista avenue.

176th street extension, from Broadway to St. Nicholas avenue.

135th street, from 12th avenue to bulkhead line of the Hudson River.

Croton street and public place, from Audubon to Amsterdam avenue.

Public park, Convent avenue, St. Nicholas avenue and 151st street.

Overlook terrace and 184th street, from Broadway to Fort Washington avenue.

New street on east side of Riverside Drive, 177th to 181st street.

New street on the east side of Riverside Drive, 139th to 142d street.

Broadway terrace, Fairview avenue to 193d street.

Wadsworth terrace, 188th street to Fairview avenue.

188th street, Wadsworth avenue to Wadsworth terrace.

190th street, Wadsworth avenue to Wadsworth terrace.

193d street, from Broadway to Broadway terrace.

207th street, from 10th avenue to Emerson street.

Proposed tunnel street, from Fairview avenue and Broadway to subway station at West 191st street.

East 65th street, Avenue A to Exterior street, East River; closing and discontinuing.

A pedestrian street, from Fort George avenue to Dyckman street.

Maps Filed:

Maps, plans and profiles of new streets, avenues, public parks and places, etc., or extensions and amendments, giving lines, with metes and bounds, and establishing or amended grades, as adopted and ordered filed by the Board of Estimate and Apportionment:

Public park, bounded by St. Nicholas avenue, Convent avenue and 151st street.

New streets, from Fort George avenue to Dyckman street; lines and grades.

New street on the east side of Riverside Drive, from 177th to 181st street; lines and grades.

Service street on east side of Riverside Drive, from 158th to 165th street, and 160th, 161st, 162d and 163d streets; lines and grades.

Manhattan Bridge approach, change of lines and grades on Canal street, Chrystie street and Forsyth street.

Isham street, Broadway to 218th street.

Seaman avenue, Emerson to 218th street.

Park Terrace East and West, Cooper street to 218th street.

213th street, from Seaman avenue to Isham street.

214th street, from Seaman avenue to Isham street.

215th street, from Broadway to Isham street.

218th street, from Broadway to U. S. ship canal.

207th street extension, from 10th avenue to Emerson street.

155th street, Broadway to Riverside Drive; plan and grades.

Riverside Drive, 135th to 158th street; 34 new monuments set and 25 bench marks established.

Titles Vested.

Notice of vesting of title in the City to land, etc., for the opening, widening and extension of streets, avenues, public parks and places, or for other purposes, have been received and entered on record:

151st street, Riverside Drive to U. S. bulkhead line, Hudson River; closing.

150th street, from Broadway to Riverside Drive.

176th street, between St. Nicholas and Wadsworth avenues.

176th street, between St. Nicholas and Amsterdam avenues.

184th street, Amsterdam avenue and Washington terrace.

192d street, Broadway and Bennett avenue.

179th street, Broadway and Haven avenue.

211th street, Broadway and Harlem River.

216th street, Broadway and Harlem River.

218th street, from Seaman avenue to Harlem River ship canal.

Buena Vista avenue, from West 181st street to West 176th street.

Haven avenue, from West 170th street to Fort Washington avenue, opposite 168th street.

Riverside Drive and Parkway, from West 135th street to West 158th street.

West 169th street, from Fort Washington to Haven avenue.

West 178th street, from Broadway to Haven avenue.

West 179th street, from Broadway to Haven avenue.

West 163d street, from Amsterdam avenue to St. Nicholas avenue.

Muscoota street, from Broadway to Bronx Borough line.

Pinehurst avenue, from 177th street to 434 feet north of 181st street.

157th street, extension from Broadway to Audubon place.

Sewer easement near 169th street, from Haven avenue to Riverside Drive.

Field Work.

Topographical survey of property north of Dyckman street to Spuyten Duyvil Creek, Broadway to the Hudson River; locating the shore line of the creek and the Hudson River; taking and making topographic levels for the preparation of a contour map of that district at 1,809 points, requiring the running of 68,900 feet of profile levels, establishing 68,900 feet range lines, and two field maps and plottings of the same.

Taking profile levels of the surface on St. Nicholas avenue, from 190th street to Dyckman street.

Taking three lines of profile levels on a new street on the east side of Riverside Drive, from 177th to 181st street, and on the south side of 181st street, from Buena Vista avenue to Riverside Drive.

Park avenue, 32d to 36th street, and 34th street, from Madison to Lexington avenue; proposed change of grades thereon; making the survey locating the street lines and elevations, and the exact location, size and elevation of all buildings and incumbrances, railroad tracks, etc., on 32d, 33d, 34th, 35th and 36th streets, between Madison and Lexington avenues.

The following streets have been surveyed, measured and returns mapped, with extra blue print copies, showing all incumbrances within the lines of the streets, viz., the width of all sidewalks, surface and elevated railroads, subway entrances, entrances to buildings, stoops, courtyards, areas, steps, all openings in the sidewalks, fire hydrants, gas and electric lamp posts, stationary carriage canopies, etc.:

59th street, from 2d avenue to 9th avenue,

42d street, from Lexington avenue to 8th avenue,

34th street, from 4th avenue to Hudson River,

23d street, from East River to Hudson River,

—and surveys completed, plotted and blue prints made.

Delancey street, from the Bowery to Clinton street; complete with blue prints.

Making a total measurement of street incumbrances 57,887 linear feet, or about 9.82 miles.

New survey and map was made for the opening of Croton place, between Amsterdam avenue and Audubon avenue and East 165th street, owing to alterations and additions requested by the owners of the property to be taken.

Survey and five lines of levels were made on Broadway, from Dyckman street to West 211th street, with the streets on each side to the next avenue; also the water table and floors of the existing buildings upon the streets.

Detailed surveys have been made to establish the lines of the extension of Irving place, from East 14th to East 11th street, and adjust the established grades for this and the connecting streets; also the location and dimensions of the houses and property lines, viz.:

Irving place, from East 20th street to East 14th street.

3d avenue, from East 10th street to East 23d street.

East 11th street, East 12th street, East 13th street and East 14th street, from 3d to 4th avenue.

Also levels run from the bench mark on the City Hall to Irving place to determine and adjust the grades.

The Field Party divided in three parts engaged upon the proposed extension of 7th avenue, from its southerly end at Greenwich avenue and West 11th street, thence southward through private property to the junction of Clarkson, Carmine and Varick streets, thence southerly along Varick street, which is proposed to make a street 100 feet in width, to West Broadway at the southerly side of Leonard street. The cutting through of 7th avenue will open up a large section of the City which has no direct outlet north and south and has been long neglected and forgotten. Most of the houses are of a date some sixty or seventy years ago, and are not up to the requirements of the times. Great difficulty has been met with owing to there being no official map of this section, which comprises the old villages of Greenwich and Richmond Hill. This section grew from farm sales, of which there were no official maps at the time the Commissioners appointed under the act of 1807 to lay out and map The City of New York. They bounded the southern part of the new City map by North street, now Houston, Southampton road and the Great Kill road, now Gansevoort street, leaving the lay out of the streets south of these boundaries as then found. This has caused great difficulty on determining the lines of the old streets over which it is proposed to lay down the new lines of 7th avenue.

A survey in detail must be made to determine the exact position of the streets which the new avenue will cut through. This work is progressing as rapidly as the force now engaged are permitted to devote to the work.

The following streets have been surveyed to locate the street lines as determined by property locations, viz.:

West 11th street, from Greenwich avenue to West 4th street.
Perry street, from Greenwich avenue to West 4th street.
Charles street, from Greenwich avenue to West 4th street.
West 10th street, from Waverly place to Bleecker street.
Christopher street, from Waverly place to Bleecker street.
Grove street, from West 4th street to Bleecker street.
Barrow street, from West 4th street to Bleecker street.
Commerce street, from Bedford to Bleecker street.
Morton street, from Hudson to Bleecker street.
Leroy street, from Hudson street to Bleecker street.
Carmin street, from Hudson street to Bedford street.
Greenwich avenue, from West 11th street to Charles street.
Waverly place, from West 11th street to West 10th street.
West 4th street, from Perry street to Jones street.
Bleecker street, from West 10th street to Carmin street.
Bedford street, from Grove street to West Houston street.
Varick street, from Commerce street to Franklin street.
Downing street, from Varick street to Bedford street.
West Houston street, from Varick street to Congress street.

The above work necessitated the surveying of about 37,850 linear feet of foundation or traverse lines; 58 angles have been turned, in series of 4 each, and 30,750 feet of building fronts have been measured to establish the location of the cross streets.

Several of the office force were detailed to the Highway and Sewer Departments for a time making illustrated drawings and assisting the Sewer Bureau in its field work.

Plans and Specifications for New Buildings Filed and Acted Upon During the Year Ending December 31, 1910.

Classification.	Number of Plans.	Number of Buildings.	Estimated Cost.
Dwelling houses, estimated cost over \$5,000.....	7	7	\$1,070,000 00
Dwelling houses, estimated cost between 20,000 and \$30,000	16	19	750,000 00
Dwelling houses estimated cost under \$20,000.....	15	17	136,300 00
Tenement houses	178	208	36,923,000 00
Hotels	7	7	955,000 00
Stores, lofts, etc., estimated cost over \$30,000.....	145	149	29,466,000 00
Stores, lofts, etc., estimated cost between \$15,000 and \$30,000	37	38	799,000 00
Stores, lofts, etc., estimated cost under \$15,000.....	43	43	269,700 00
Office buildings	44	44	12,390,600 00
Manufactories and workshops.....	33	33	2,206,900 00
Schoolhouses	11	11	2,407,000 00
Churches	10	11	1,640,000 00
Public buildings—Municipal	6	8	3,158,000 00
Public buildings—Places of amusement, etc.....	38	40	2,652,100 00
Stables	59	60	1,469,720 00
Other structures	129	143	409,709 00
Total	778	838	\$96,703,029 00

Plans and Specifications for Alterations to Buildings Filed and Acted Upon During the Year Ending December 31, 1910.

Classification.	Number of Plans.	Number of Buildings.	Estimated Cost.
Dwelling houses	492	558	\$1,625,896 00
Tenements	1,163	1,354	1,881,603 00
Hotels	79	84	663,440 00
Stores, Lofts, etc.....	595	664	3,188,498 00
Office buildings	175	187	1,485,320 00
Manufactories and workshops.....	106	113	557,325 00
Schoolhouses	20	21	88,400 00
Churches	24	25	225,550 00
Public buildings—Municipal	6	6	52,300 00
Public buildings—Places of amusements, etc.....	203	223	1,678,705 00
Stables	110	116	487,928 00
Other structures	16	16	5,101 00
Total	2,989	3,367	\$11,940,066 00

New Buildings and Alterations to Buildings Commenced and Completed During the Year Ending December 31, 1910.

New buildings commenced.....	718
New buildings completed.....	658
Alterations commenced	3,202
Alterations completed	3,023

New Buildings and Alterations to Buildings in Progress December 31, 1910.

New buildings	504
Alterations	718

Total Number of Inspections With Reports Thereon During the Year Ending December 31, 1910.

By construction inspectors	153,614
By iron and steel inspectors.....	421,779
By elevator inspectors	18,295
By plumbing and drainage inspectors.....	52,984

Total

646,672

Notices Issued During the Year Ending December 31, 1910.

To place fire escapes on buildings.....	1,726
To remove violations of law.....	12,510
To repair passenger elevators.....	1,335
To remove unsafe buildings.....	5,267
Letters delivered (including notices of disapproval of plans).....	13,519

Total

34,357

Violations of Law and Unsafe Buildings During the Year Ending December 31, 1910.

Nature.	Pending Dec. 31, 1909.	Received Since.	Total.	Dismissed.	Pending Dec. 31, 1910.	Forwarded for Prosecution.
Defective construction, materials, etc.	476	2,224	2,700	1,963	737	372
Erecting, altering or removing without permit or after disapproval.....	2,164	2,270	4,434	2,583	1,851	529
Insufficient means of escape, fire escapes, aisles obstructed, etc.....	385	872	1,257	764	493	241
Defective plumbing and drainage.....	768	1,643	2,411	1,654	757	309
Unsafe buildings	659	2,341	3,000	2,147	853	100
Total	4,452	9,350	13,802	9,111	4,691	1,551

Inspection of Passenger Elevators During the Year Ending December 31, 1910.

Number of inspections.....	18,295
Found not in compliance with law.....	1,054

Disposition of Cases Found Not in Compliance with Law.

Nature.	Pending Dec. 31, 1909.	Received Since.	Total.	Dismissed.	Pending Dec. 31, 1910.	Forwarded for Prosecution.
Defective guide rails, posts and gibs.....	3	14	17	13	4	1
Defective running gear.....	5	320	325	282	43	18
Doors and door locks out of repair.....	52	114	166	132	34	28
Generally unsafe	13	201	214	180	34	18
New ropes required.....	12	99	111	92	19	11
Run by persons under 18 years of age and incompetent persons.....	....	5	5	1	4	1
Safety attachments out of order.....	68	148	216	185	31	42
No grating under overhead machinery.....	23	109	132	103	29	17
No permit	12	44	56	41	15	2
Total	188	1,054	1,242	1,029	213	138

Number of Buildings Inspected and Total Number of Inspections During the Year Ending December 31, 1910, in Relation to Plumbing and Drainage.

	Tenements.	Miscellaneous.	Total.
	As to Plumbing and Drainage.	As to Plumbing and Drainage.	
Number of buildings under inspection, December 31, 1909	744	539	1,283
Number of buildings commenced during the year.....	1,409	1,591	3,000
Number of buildings completed during the year.....	1,706	1,614	3,320
Number of buildings under inspection, December 31, 1910	447	516	963

Number of apartments, stores, etc., for which certificates have been issued as to the proper installation of gas piping.....	19,815
Total number of plumbing inspections of all kinds during the year.....	52,984

Iron and Steel Inspections Made During the Year Ending December 31, 1910.

Beams	362,595
Columns	43,757
Channels	4,687
Angles	3,419
Bases	2,998
Girders	2,665
Brackets	569
Tees	445
Lintels	288
Trusses	171
Plates	166
Mullions	19
Total	421,779

Comparative Statement, Years 1909 and 1910.

	1909.	1910.
Applications filed for new buildings and alterations.....	4,573	4,205
Estimated cost of new buildings and alterations.....	\$144,332,212	\$108,643,095
New buildings commenced.....	704	718
New buildings completed.....	665	658
Alterations commenced	2,633	3,202
Alterations completed	2,726	3,023
Fire escape cases reported by inspectors.....	496	872
Fire escape cases forwarded for prosecution.....	287	241
Passenger elevators inspected.....	16,707	18,295
Defective passenger elevators reported by inspectors.....	481	1,054
Defective passenger elevators made safe on notice from Bureau	405	1,029
Passenger elevator cases forwarded for prosecution.....	46	138
Unsafe buildings made safe or taken down.....	2,060	2,147
Violations removed	3,815	6,200
Notices issued	25,618	34,357
Pieces of iron and steel inspected.....	279,206	421,779
Inspections of plumbing and drainage.....	33,353	52,984

Contracts Entered Into During the Year 1910.

	Estimated Cost.
115 Paving and repaving contracts.....	\$1,637,431 75
12 Regulating, grading, etc., contracts.....	76,976 02
17 Sewer and receiving basin contracts.....	130,640 31
42 miscellaneous contracts	221,410 51
186	\$2,066,458 59

Contracts Completed During the Year 1910.

	Amount.
118 Paving and repaving contracts.....	\$2,125,469 61
8 Regulating, grading, etc., contracts.....	28,606 95
24 Sewer and receiving basin contracts.....	169,103 84
42 Miscellaneous contracts	305,616 73
192	\$2,628,797 13

Office of the Commissioner of Public Works, Borough of Manhattan, January 16, 1911.

Honorable E. V. FROTHINGHAM, Commissioner of Public Works:

Dear Sir—Agreeable to your instructions, I transmit herewith the annual report of the operations carried on by this Bureau during the year 1910. The following summarizes, in brief, the work which has been accomplished, and for details of locations, size of sewers, etc., etc., you are referred to the tables which accompany this report.

	Miles.
New sewer paid for by assessment.....	0.98
Alteration and improvement to sewers paid for by assessment.....	0.18
Repairs and reconstruction.....	0.32

In connection with the above work, 14 receiving basins were constructed. There were also 6 receiving basins constructed on independent contracts.

The mileage of the sewer system in this Borough is at present 524.75, and in connection therewith, for the purpose of surface drainage, there are 6,372 basins.

Classified according to material of construction, the work may be subdivided as follows:

Wooden barrel sewer, linear feet	775
Brick sewer, linear feet.....	2,227
Pipe sewer, linear feet	2,293
Alteration and improvement to sewers paid for by assessment, covered 957 feet.	
Reconstruction work, for which a direct appropriation was made, may be classified as follows:	
Wooden barrel sewer, linear feet.....	137
Brick sewer, linear feet	1,353
Pipe sewer, linear feet	79

The cost of construction was as follows:

New sewers and basins paid for by assessment.....	\$74,015 79
New basins (built separately), paid for by assessment.....	1,638 51
Alteration and improvement to sewers paid for by assessment.....	9,282 90
Reconstruction work	40,231 68

Total \$125,168 88

Work now in progress is as follows:

Wooden barrel sewer, linear feet.....	1,568
Brick sewer, linear feet	2,592
Pipe sewer, linear feet	3,211

Total 7,371

The estimated cost of this work is \$96,066.51.

Plans and Profiles, forms of contracts and specifications have been prepared for the following:

Buena Vista avenue, between 177th street and summit south of 172d street; Extension of outlet sewer at foot of 120th street and Harlem River; Alteration and improvement to sewer in 114th street, between 1st and 3d avenues; Alteration and improvement to sewer in 56th street, between 1st and 2d avenues; Receiving basin on the southwest corner of 129th street and 7th avenue; Receiving basin on the southwest corner of 113th street and St. Nicholas avenue.

The papers in connection with these works have been forwarded to the Board of Estimate and Apportionment, and it is expected that at their next meeting final authorization will be given to advertise and let these contracts.

The estimated cost of these works is \$52,248.

With reference to the tables showing details of the above work, it will be noticed that the same is widely scattered. They extend from Pier 8, N. R., to Marble Hill. Almost the entire territory of this Borough is now sewered, with the exception of certain tracts in the upper part, which have not yet been mapped or grades decided upon, so that a sewer system could be designed. Probably in the coming season this preliminary work will be done, and we will be in a position to plan sewers for such districts. You are referred to schedules accompanying this report for work done by private corporations and by individuals, under permit. I might mention in this connection that the Public Service Commission has constructed a considerable number of sewers incident to the construction of their subway, the authority to do this work having been conferred on them by the Legislature. This Department has practically no control over this work, since the plans for same are simply filed in this office for our information, but there is no supervision on our part or inspection of these works. It seems to me that there ought to be a change in this method. We should have the right to examine plans before the work is begun, so that any changes that we might consider desirable might be suggested, and we would be in a position to require them to be made.

In connection with the Rapid Transit Railway now in operation, there has been considerable work done, and there is considerable work now in progress in changing sewers, where it becomes necessary for the company to extend their platforms. This is also done without our supervision, so that, as a matter of fact, we are in ignorance of what changes have been made. While the amount of new sewer to be constructed in new districts is getting smaller and smaller, the amount of sewer necessary to be reconstructed on account of failure and inadequacy of ancient works is getting greater and greater. The efforts of this Bureau will have to be directed in the future largely to reconstruction and maintenance.

In my last report, I made a suggestion, which I now renew, viz., that to expedite matters in the way of construction and reconstruction, a plan should be made of all sewers needing to be built or rebuilt. This would be a great saving in time, since under our present system it is customary to file an amendment to a certain district plan every time a sewer is constructed.

Attention is called to the contract which has been drawn sometime since and not yet advertised, for extension of sewer in 79th street and East River. This work was undertaken in order to extend this outlet sewer to the new bulkhead wall. Similar extension of sewer on 142d street and Hudson River was undertaken for sanitary reasons. This is also pending, the contract not having been executed.

In addition to the above, it is proper for me to remark that many minor alterations and changes are continually being made in the sewer system by corporations and other departments having works underground. These matters are supervised by this office and are generally carried on under permit or general instructions.

During the past year no work has been done under what has been known as open orders, meaning works costing from, say, \$100 to \$1,000, which were of such difficult nature that our labor force was unable to handle same. We managed, during the present year, to get along without issuing such orders. Perhaps the only notable work of repair to be mentioned is the repairing of about 20 feet of sewer and building of one manhole in connection therewith at 110th street and Manhattan avenue. The Department of Water Supply, Gas and Electricity had complained that the sewer had broken down and that the drainage from the same undermined four large water mains, which were in danger of collapsing. The surface railroad tracks had also settled. The responsibility for these settlements having been laid at the doors of this Department, it was necessary to undertake a work which cost very much out of proportion to the number of linear feet of sewer repaired. The reason for this is plain, that the bulk of this work consisted in building concrete and iron foundations to sustain the water mains, gas mains, and railroad tracks. The repair was made in a very substantial manner, and it is believed that there will never again occur at this point a break in the sewer.

As the maintenance of our system is now the principal part of our duty, it may be proper to state that during the present year economical methods have been adopted which has resulted in a very large saving. In the item of labor alone, I might state that the weekly payroll in the last months of 1909 was something over \$5,000, and that the same during the year was reduced to a weekly payroll in the last months of 1910 to about \$3,500, making a saving of something like \$1,500 per week, which amounts to nearly \$80,000 in a year. So far as I am able to judge, the service is at present as efficient as it was a year ago. According to reports I am in receipt of at the present time, still further economies in the matter of labor might be practised.

During the present year the question of the disposal of a certain amount of the snowfall into the public sewers was raised, and although it was well known to this Department that the Department of Street Cleaning had surreptitiously used the public sewers for this purpose for many years and that it would be almost impossible to prevent them from so doing, it was thought best that the practice should be regulated, so that whenever it was possible to dump into public sewers any quantity of snow, it would be under the supervision of this Department, so that stoppages might be avoided and that only those sewers capable of receiving and disposing of a lot of snow might be used, our experience shows that there are a limited number of outlet sewers which carry a large volume of water, and the velocity is sufficient to dispose of a considerable quantity of snow, if great speed is not used in dumping the contents of trucks into the sewers—that is, by slowly and judiciously feeding snow to the sewers, a considerable quantity can be disposed of. We find, however, it is almost impossible to regulate the amount of snow placed in sewers within a given time. The result was that many sewers that might have carried a great amount of snow were stopped, and snow dumping had to be discontinued, only one sewer, the Clarkson street outlet, discharging into the Hudson River, seemed to be able to

receive and digest as much snow as they could get into it. The result of this experience is that, with care and good judgment, the Street Cleaning Department might be permitted to dump snow into public sewers at certain designated places, the same to be under entire control of this Department. It is a well-known fact that in the removal of snow, a large amount of dirt and debris of various kinds go with it, and these are the things which obstruct the sewers. An examination is now being made of the sewers used by the Street Cleaning Department, with a view to determine how much dirt was lodged in sewers during the last storm, for the purpose of comparing this record with similar records taken before any snow was dumped into the sewers. The result of this examination will have a bearing on the question of economy in using sewers for snow dumping.

The survey for a new sewer system, which will eventually have to be built, and for which \$35,000 was provided last year, has been in progress for the past three months. There is at present engaged on this 1 Assistant Engineer and 3 Helpers, the object of this survey being to obtain by accurate leveling and other surveys all the data which is necessary for the reconstruction of the sewer system of the entire City. The proposition which has been most talked of, and which I originally recommended, is the abandonment of the present system in use and the substitution thereof of what is known as a separate system. This means that all storm water will be carried off in separate conduits, while house drainage will be cared for by small sized sewers. The storm sewers are intended to cross overhead of the subways now built and which will be built in future, and the sanitary sewage will be either pumped over or siphoned under the subways. The work is under the general direction of E. P. Goodrich, Consulting Engineer, and I am engaged in assisting and collaborating with him. We shall be able to report a definite plan for a selected district before the close of the present year and be in a position, we hope, to put such work under contract.

The Assistant Engineer of the drafting room reports that he has done the following work, all of which strictly relates to the special duties of this Bureau:

12 filed plans.
4 filings of 3 plans each,
24 contract plans,
21 sewer plans,
3 plans for receiving basins,
20 inspectors' books,
28 assessment lists, consisting of 98 sheets of maps and containing 1,386 pieces of property.

The new series of large scale working maps was increased to 81, of which 62 are completed, and 19 are in progress. For this purpose many measurements were taken in the field and 1,532 examinations of the sewers were necessary. It is also proper to state that this drafting bureau has done a large amount of work in connection with the reorganization of the Department.

The Bureau of Permits issued during the past year the following:

Permits for sewer connections 816
Permits for repairs 505

Total 1,321

The Cement Tester reports that he has received 272 samples of cement, and he has made the following tests:

272 1-day tests, 3 briquets to each test, making..... 816
272 7-day tests, 3 briquets to each test, making..... 816

Total 1,632

Five samples were rejected, as not coming up to the standard required by this Department.

Accompanying this report you will find statements as follows:

1. Plans made.
2. Surveys under way and works petitioned for.
3. Sewers completed in 1910—assessment work.
4. Basins completed in 1910—assessment work.
5. Alteration and improvement work completed in 1910—assessment work.
6. Assessment work in progress December 31, 1910.
7. Reconstruction work completed 1910.
8. Sewers rebuilt because of interference with underground structures.
9. Statement showing sewer work done from 1870 to December, 1910, inclusive.
10. Table showing amount spent for sewer cleaning since the year 1885.
11. Report of work done by maintenance force of this Bureau for 1910.

STATEMENT No. 1.

Plans of the following have been prepared:
Reconstruction of outlet sewer, foot of 79th street, East River.
Reconstruction of outlet sewer, foot of 36th street, North River.
Alteration and improvement to sewer in 50th street, between 8th and 9th avenues.
Alteration and improvement to sewer in 56th street, between 1st and 2d avenues.
Receiving basin in the southwest corner of 113th street and St. Nicholas avenue.
Alteration and improvement to sewer in 114th street, between 1st and 3d avenues.
Extension of sewer in 120th street, Harlem River.
Sewer in Riverside drive, between 86th street and 87th street.
Sewer in Tompkins street, between Rivington and Houston streets.
Sewer in 151st street, between Riverside drive and Broadway.
Sewer in Terrace View avenue, between end of present sewer and Adrian avenue.
Sewer in 3d avenue, E.S., between 21st and 22d streets.
Sewer in Haven (now Northern) avenue, between 177th and 178th streets.
Receiving basin at the northwest corner of 171st street and Fort Washington avenue.
Sewer in 176th street, between Wadsworth and St. Nicholas avenues.
Outlet sewer under pier at foot of 40th street, North River.
Extension and repairs to sewer at 142d street and North River.
Sewer in Northern avenue, between 181st and 190th streets.
Sewer in Buena Vista avenue, between 177th street and summit south of 172d street.
Repairs to sewer in Amsterdam avenue, at Manhattan street.
Sewers in 176th street, between Audubon and St. Nicholas avenues, and between Broadway and Wadsworth avenue.
Alteration and improvement to sewer in 75th street, between Park and 5th avenues.
Receiving basin at the southwest corner of 129th street and 7th avenue.
Alteration and improvement to sewer in 83d street, between 2d and 3d avenues.

STATEMENT No. 2.

Surveys are under way for the following works which have been petitioned for:
Sewer in West 218th street to a point about 275 feet west of Broadway.
Sewer repairs at pier, foot of Fulton street, North River.
Sewer (alteration and improvement) in West 72d street, between Amsterdam and Columbus avenues.
Sewer repairs to barrel sewer, foot of Roosevelt street, East River.
Sewer (alteration and improvement) in 48th street, 10th and 11th avenues.
Sewer (repairs) barrel sewer, 36th street, North River.
Sewer extension barrel sewer, 129th street, North River.
Basins—153d street and Riverside drive.
Sewer (alteration and improvement) in 50th street, 8th and 9th avenues.

STATEMENT No. 3.

Sewers Completed in 1910—Assessment Work.

Title of Contract.	Linear Feet		Linear Feet Brick Sewer.		Linear Feet 15-in. Pipe Sewer.	Receiving Basins. No. of.	Linear Feet 12-in. Pipe Culverts.	Rock Excavation Cu. Yds.	Final Cost.
	Wooden Barrel Sewer.	4'0"x3'0"	4'0"x2'8"	3'6"x2'4"					
Sewer in Theatre alley, between Ann and Beekman streets	192	.....	.....	.....	.....	\$3,519 00
Sewer in Tompkins street, between Rivington and Houston streets	728	.....	.....	.....	.....	.....	9,187 20
Sewer in 3d avenue, between 21st and 22d streets	196	.....	.....	.....	.....	2,548 00
Barrel sewer under pier at foot of 26th street, East River	631	.....	.....	.....	.....	.....	.....	.....	6,577 24
Sewer on west side of Park avenue, between 37th and 38th streets	181	.....	.....	6	213	3,571 68

Title of Contract.	Linear Feet		Linear Feet Brick Sewer.			Linear Feet 15-in. Pipe Sewer.	Receiving Basins. No. of.	Linear Feet 12-in. Pipe Culverts.	Rock Excavation Cu. Yds.	Final Cost.
	Wooden Barrel Sewer, 4'6"x3'9"	4'0" dia.	4'0"x3'0"	4'0"x2'8"	3'6"x2'4"					
Sewer in Riverside drive, between 86th and 87th streets	267	.....	.....	.....	38	3,841 50
Extension to outlet sewer at foot of 118th street and Harlem River.....	144	23	.....	.....	.....	.....	.....	.....	2,286 00
Sewer in 150th street, between Riverside drive and Broadway	282	.....	.....	.....	1,106 85
Sewer in 151st street, between Riverside drive and Broadway	366	.....	.....	11	1,574 95
Sewer in 176th street, between Wadsworth and St. Nicholas avenues	36	189	1	15	458	3,073 60
Sewer in West 177th street, from Fort Washington avenue to Riverside drive	1,067	395	6	127	2,727	18,606 05
Sewer in Haven avenue, between 177th and 178th streets	300	.....	1	15	7	1,905 30
Sewer in Emerson street, between Vermilyea avenue and Cooper street, and in Broadway, both sides, between Emerson street and Summit South	1,183	2	40	2,019	13,075 02
Sewer in Terrace View avenue, from end of present sewer to Adrian avenue.....	540	2	36	181	3,143 40
	631	144	23	728	2,239	2,955	12	239	5,654	74,015 79

STATEMENT No. 4.
Basins Completed in 1910—Assessment Work.

Title of Contract.	12-inch Pipe Culvert.	Receiving Basins.	Rock Excavation Cubic Yards.	Final Cost.
Receiving basin northwest corner 171st street and Fort Washington avenue	18	1	14	\$267 60
Receiving basins northeast and southeast corners 193d street and Fort George avenue....	32	2	14	560 00
Receiving basins in Nagle avenue, both sides, about 270 feet north of Dyckman street, and on southeast corner of Nagle and Hillside avenues	91	3	..	810 91
	141	6	28	\$1,638 51

STATEMENT No. 5.
Alteration and Improvement Work Completed in 1910—Assessment Work.

Title of Contract.	Lin. Ft. of 3'6" x 2'4" Brick Sewer.	Lin. Ft. of 12" Pipe Culvert.	Ft. of Sheet-Rock Excavation, etc.	Cu. Yds. Rock Excavation.	Final Cost.
Alteration and Improvement to Sewer in 119th street between 3d and Park avenues.....	957	6	36,000	26	\$9,282 90
	957	6	36,000	26	\$9,282 90

STATEMENT No. 6.
Assessment Work in Progress December 31, 1910.

Title of Contract.	5'0" Dia. Wooden Barrel Sewer.	3'0" Dia. Wooden Barrel Sewer.	3'6" x 2'4".	18" Pipe.	15" Pipe.	12" Culvert.	Receiving Basins.	Cu. Yds. Rock Excavation.	Sheeting, etc., Ft. B.M.	Fdn. Plk. Ft. B.M.	Final Cost.
Sewer under Pier (old) No. 8, North River.....	.....	627	.....	.....	.....	.....	.....	.....	1,000	5,000	\$6,498 11
Sewer under Pier foot of 40th street, North River	941	.....	.....	.....	.....	.....	.....	.....	.....	11,300	12,694 20
Alteration and Improvement to sewer, 75th street, between Park and 5th avenues.....	.....	.....	867	.....	.....	6	.....	100	50,000	.....	11,140 95
Alteration and improvement to sewer in 83d street, between 2d and 3d avenues.....	.....	.....	56	.....	538	6	.....	300	10,000	2,000	6,794 00
Outlet sewer from Haven avenue to Riverside Drive, and in Haven avenue, from Fort Washington avenue to Summit north of 171st street, and in 169th street and 170th street, between Fort Washington avenue and Haven avenue....	.....	.....	.....	258	1,520	135	8	2,250	1,000	5,500	17,691 25
Sewer in Northern avenue, between 181st and 190th streets .....	.....	.....	1,669	.....	895	160	9	8,200	3,000	3,000	41,248 00
	941	627	2,592	258	2,953	307	17	10,850	65,000	26,800	\$96,066 51

STATEMENT No. 7.
Reconstruction Work Completed, 1910.

Title of Contract.	Linear Feet of		Linear Feet of Brick Sewer.				12"	No. of	Cu. Yds.	Final Cost.
	Wooden Barrel Sewer						Pipe.	Receiv-	Rock Exca-	
	4' 3" x 5' 10"	4' 0" Dia.	4' 9" x 5' 0"	4' 0" Dia.	4' x 2' 8"	3' 6" x 2' 4"	Culvert	ing Basins.	vation.	
	Lin. Ft.						Lin. Ft.			
Reconstruction of sewer under Pier 40, North River.....	150		....	....	....	....	....	....	....	\$1,801 50
Reconstruction of outlet sewers in 28th and 29th streets, between East River and 1st avenue, and in 1st avenue, between 28th and 29th streets .....	....	137	....	1,043	32	....	79	3	950	32,283 25
Reconstruction of outlet sewers into Harlem River, between 134th and 135th streets, and in Park avenue, between 134th and 135th streets .....	....	....	63	....	313	28	....	....	....	6,146 93
	150	137	63	1,043	345	28	79	3	950	\$40,231 68

STATEMENT No. 8.
Sewers Built and Removed Because of Interference with Underground Structures.

	Sewers Built 1910. Feet.	Sewers Removed. 1910. Feet.
By the Public Service Commission—		
12-inch vitrified pipe.....	44	210
15-inch vitrified pipe	337	20
18-inch cast-iron pipe.....	15	.....
20-inch cast-iron pipe.....	168	.....
24-inch cast-iron pipe.....	43	.....
40-inch cast iron pipe.....	58	.....
3-foot by 2-foot egg.....	.....	10
3-foot 6-inch by 2-foot 4-inch egg.....	401	100
4-foot by 2-foot 8-inch egg.....	314	1,111
2-foot 8-inch by 2-foot 8-inch in gallery.....	4	.....
4-foot by 3-foot.....	.....	110
4-foot 2-inch by 3-foot 1-inch.....	7	.....
4-foot 3-inch by 3-foot.....	6	.....
5-foot 3-inch by 3-foot.....	98	.....
5-foot 6-inch by 6-foot.....	.....	200
4-foot circular .....	.....	390
4-foot 3-inch circular .....	.....	223
5-foot circular .....	.....	115
5-foot 6-inch circular.....	.....	15
6-foot 6-inch circular.....	.....	720
Totals	1,495	3,224
By the Hudson and Manhattan Company—		
4-foot circular	140	.....
3-foot 6-inch by 2-foot 4-inch.....	125	.....
3-foot 6-inch circular	1,057	.....
15-inch circular	642	.....
12-inch circular	222	.....
Total	2,186	.....
By the N. Y. C. & H. R. R. Co.—		
4-foot by 2-foot 8-inch brick.....	102	.....
18-inch pipe	71	.....
Total	173	.....

STATEMENT No. 9.
Statement Showing Sewer Work Done from April, 1870, to December, 1909.

Date.	Feet of Sewer Built.	Basins Built.	Feet of Culvert Built.	Feet of Drains Built.	Total Length of Sewers Built.	Total No. of Basins.	Total Length of Sewers in Miles.
April 10, 1870.....	.....	.....	.....	1,500	1,377,038	3,372	260.82
April 11, 1871.....	.....	231	.....	3,680	1,456,606	3,603	275.87
April 10, 1872.....	64,153	184	1,975	5,700	1,520,729	3,787	288.02
April 30, 1873.....	33,522	67	2,472	22,601	1,632,986	3,854	309.28
Dec. 31, 1873.....	54,117	83	2,519	10,642	1,700,863	3,952	322.00
Dec. 31, 1874.....	69,740	161	3,805	16,014	1,789,822	4,113	338.98
Dec. 31, 1875.....	48,444	129	3,271	15,206	1,856,943	4,252	351.66
Dec. 31, 1876.....	22,629	88	3,610	.....	1,883,018	4,340	356.63
Dec. 31, 1877.....	28,587	57	1,810	.....	1,913,415	4,397	362.39
Dec. 31, 1878.....	33,506	92	2,040	.....	1,949,337	4,489	369.19
Dec. 31, 1879.....	11,869	35	854	.....	1,962,070	4,525	371.60
Dec. 31, 1880.....	25,449	49	1,472	.....	1,988,991	4,573	367.70
Dec. 31, 1881.....	33,132	21	487	.....	2,022,610	4,594	383.07
Dec. 31, 1882.....	40,443	98	2,578	.....	2,065,631	4,692	391.07
Dec. 31, 1883.....	33,454	130	2,833	.....	2,102,025	4,822	398.11
Dec. 31, 1884.....	64,881.42	206	5,256.56	.....	2,172,273	5,028	411.41
Dec. 31, 1885.....	18,663	28	603	.....	2,166,723	5,035	410.36
Dec. 31, 1886.....	19,682.50	42	798	.....	2,186,980	5,063	414.20
Dec. 31, 1887.....	36,516	43	1,102	.....	2,225,554	5,112	421.51
Dec. 31, 1888.....	39,594	81	1,981	.....	2,265,128	5,139	429.08
Dec. 31, 1889.....	31,100	.....	1,274	.....	2,290,109	5,209	433.73
Dec. 31, 1890.....	21,970	39	.....	.....	2,313,978	5,248	437.89
Dec. 31, 1891.....	33,803	69	2,277	.....	2,345,881	5,314	444.29
Dec. 31, 1892.....	30,905	62	1,612	.....	2,372,684	5,376	449.37
Dec. 31, 1893.....	38,774	56	2,184	.....	2,406,647	5,432	455.80
Dec. 31, 1894.....	40,192	49	1,140	.....	2,438,903	5,481	462.00
Dec. 31, 1895.....	31,242	68	1,448	.....	2,471,598	5,549	468.00
Dec. 31, 1896.....	19,580.25	66	1,450	.....	2,493,110	5,615	472.18
Dec. 31, 1897.....	54,793	128	2,658	.....	2,550,561	5,743	483.06
Dec. 31, 1898.....	6,371	20	441	.....	2,557,373	5,763	484.06
Dec. 31, 1899.....	24,808	106	1,849	.....	2,582,184	5,869	489.05
Dec. 31, 1900.....	29,193	102	1,936	.....	2,611,377	5,939	494.57
Dec. 31, 1901.....	12,491	25	809	.....	2,623,868	5,966	496.94
Dec. 31, 1902.....	17,850	63	1,411	.....	2,643,129	6,020	500.59
Dec. 31, 1903.....	22,647	59	1,049	.....	2,666,776	6,088	505.08
Dec. 31, 1904.....	15,274	58	552	.....	2,682,050	5,146	507.64

Date.	Feet of Sewer Built.	Basins Built.	Feet of Culvert Built.	Feet of Drains Built.	Total Length of Sewers Built.	Total No. of Basins.	Total Length of Sewers in Miles.
Dec. 31, 1905.....	21,023	35	543	....	2,703,073	6,181	511.36
Dec. 31, 1906.....	12,573	22	625	....	2,715,646	6,203	513.77
Dec. 31, 1907.....	20,174.4	68	1,296	....	2,737,820	6,271	517.97
Dec. 31, 1908.....	16,634	63	1,235	....	2,755,689	6,334	521.67
Dec. 31, 1909.....	8,818	14	326	....	2,763,235	6,348	523.34
Dec. 31, 1910.....	5,154	20	357	....	2,768,746	6,368	524.75

STATEMENT No. 10.

The Following Table Shows the Amount Spent for Cleaning Sewers Since the Year 1885.

	Miles in Sewer System.	Cost.	Feet Cleaned.
1885	410.36	\$11,769 41	....
1886	414.20	21,769 41	55,819
1887	421.51	18,415 87	80,069
1888	429.09	26,414 10	101,785
1889	433.73	30,559 50	161,050
1890	437.89	36,729 62	240,850
1891	444.29	17,360 88	133,006
1892	449.37	11,176 18	77,764
1893	455.80	13,243 45	92,963
1894	461.52	9,541 79	78,685
1895	468.20	7,513 71	63,565
1896	472.18	28,493 06	192,836
1897	483.06	33,597 90	251,094
1898	484.35	28,098 53	231,273
1899	489.05	67,074 55	234,347
1900	494.57	55,342 16	298,657
1901	496.94	64,667 12	349,552
1902	500.59	58,899 67	451,762
1903	505.08	59,083 57	657,556
1904	507.64	62,834 72	700,081
1905	511.36	66,304 76	526,199
1906	513.77	74,339 46	764,664
1907	517.97	100,950 27	1,065,798
1908	521.67	96,807 58	1,154,735
1909	523.34	90,178 12	1,313,642
1910	524.75	62,548 39	1,179,069

STATEMENT No. 11.

The Following is a Report of Work Done by the Cleaning, Repairing and Maintaining Forces of this Bureau for the Year 1910:

Basins cleaned.....	16,142
Basins relieved.....	248
Basins examined.....	464
Basin heads reset.....	21
Basin covers put on.....	74
Basin hoods hung.....	270
Basin grate bars put in.....	374
Brick sewer cleaned.....	130,104 feet
Brick sewer relieved.....	18,703 feet
Brick sewer examined.....	301,830 feet
Pipe sewer cleaned.....	1,048,965 feet
Pipe sewer relieved.....	268,473 feet
Pipe sewer examined.....	95,318 feet
Culvert sewer relieved.....	4,908 feet
Culvert sewer examined.....	1,352 feet
Manhole heads reset.....	154
Manhole covers put on.....	432
Manholes relieved.....	30
Manholes examined.....	311
Brickwork built, repairs.....	10,973 feet
Yards of pavement relaid.....	1,422
Sewer built.....	938 feet
Spurs put in.....	92
Loads of dirt removed.....	44,342
Cuts opened and refilled.....	237

The average force employed during the year 1910 on the above work was:

No.	Classification.	Per Diem.
3	Masons	\$5 60
1	Stone Mason	5 60
7	Bricklayers	5 60
1	Foreman	5 60
1	Foreman Mason	6 00
1	Foreman Mechanic	5 00
1	Foreman, Basin	5 00
20	Foremen	4 00
1	Foreman of Laborers	4 00
1	General Foreman	5 00
1	Assistant Foreman	3 50
4	Assistant Foremen	3 00
4	Assistant Foremen	2 50
28	Laborers	2 50
77	Sewer Cleaners	2 50
12	Horses and wagons	3 50
2	Horses and wagons	4 00
33	Horses and carts	3 50
198	Total.....	

During the year 1910, the Bureau received the following complaints, which were attended to:	
Sewers stopped	1,100
Basins stopped	660
Manhole covers broken	365
Bad odor from sewers	44
Basin heads to be repaired	9
Steam from sewer	10
Manhole heads to be repaired	66
Basin culverts stopped	30
Basin covers broken	26
Sewers broken	44
Gasoline in sewers	5
Basins need repairing	28
Cane lost in manhole	1
Ring lost in manhole	1
Bunch of keys lost in basin	1
Total	2,390

Unfounded and belonging to house owners and other Bureaus, 323, of which 56 were without our jurisdiction, and 192 defective house connections, and 75 no cause for complaint. Respectfully submitted,

HORACE LOOMIS, Chief Engineer in Charge of Sewers.

REPORTS OF BUREAU OF PUBLIC BUILDINGS AND OFFICES.

Office of Commissioner of Public Works, July 7, 1910.

Honorable E. V. FROTHINGHAM, Commissioner of Public Works:

Sir—Complying with your instructions, I beg to report on the operations of the

Bureau of Public Buildings and Offices, Borough of Manhattan, for the quarter ending June 30, 1910, as follows:

This report is necessarily brief and incomplete, owing to the fact that during the most of this period the office of Superintendent of Public Buildings and Offices was filled by the Honorable John R. Voorhis. When Mr. Voorhis retired on June 8 I was assigned to take charge of the Bureau as Acting Superintendent, while still holding the position of Secretary to the Borough President.

The first duty to which I addressed myself was the examination, analysis and approval or disapproval of a large number of pending requests for miscellaneous repairs and supplies, some of them dating back many months. Furthermore, owing perhaps to the fact that the new administration in the City government brought in many new ideas as to office organization, arrangement and needs in all City Departments, this Bureau was flooded with requests for alterations, repairs, supplies, moving of furniture, etc.; the result being that the staff and the general force of mechanics and laborers have been taxed to the limit to meet this condition. The item of moving alone was so large that we have seriously considered the advisability of organizing a permanent moving squad, but this may not prove necessary. The volume of these miscellaneous requests was also partly due to the fact that it appears to have been the custom in this Bureau to provide office furniture and supplies to other Departments. As this is likely beyond the jurisdiction of this Bureau, I think it might be proper, as well as necessary, owing to lack of funds to deny almost all such requests in the future.

I found the offices in this Bureau poorly arranged for business purposes and too inviting to many employees whose duties were properly on the outside. The apparent practice or habit of unnecessary loitering in the offices on the part of Janitors, Mechanical Foremen, Inspectors and others has been discontinued. The office has been entirely rearranged and refurnished with a view to facilitating the work of the Bureau. Opportunity has also been found for improving the general system of the office, but this will necessarily take considerable time. The general reorganization of the Department has left the staff of this Bureau both inadequate and disorganized; but, notwithstanding this fact, I feel justified in stating that owing to the efficiency of the staff we have put through a large volume of repair and supply orders in addition to supervising the ordinary routine of the Bureau.

We intend to give immediate attention to the reorganization and strengthening of the mechanical squads, to enable us to handle by departmental labor more of the numerous repair jobs, to save both time and the profits which would otherwise go to outside contractors. During the past three months 687 orders for miscellaneous repairs have been issued to the mechanical squads attached to this Bureau. We have also drawn 517 requisitions on the Purchasing Agent for miscellaneous repairs and supplies. It is worth mentioning that the automobile truck recently purchased for the Bureau has proved very helpful and economical, in distributing to the widely scattered buildings and to the mechanical squads doing work throughout the Bureau a large amount of cleaning supplies and repair materials required by them.

On June 16, a general order was issued, affecting in particular the work of mechanical squads, that "no overtime will be allowed unless my approval has been secured in advance; also that in so far as possible the incurring of obligation for overtime work be dispensed with by so arranging that whenever possible work be done in regular hours. I understand, of course, that emergencies may arise when it will be perhaps impossible to secure approval in advance, but those occasions should be very few." This order has resulted in reducing the amount of overtime for the per diem force of mechanical men and laborers to a very small item as compared with what it has been heretofore. The making of some overtime is quite necessary, in order to meet emergencies and also to do work in the court houses in hours which will not interrupt the court proceedings.

I have given considerable attention to the Comfort Stations throughout the Borough, as they seem to require it. On June 17 a general order was issued reading in part as follows: "I beg to call attention to the fact that all the Comfort Stations in the Borough of Manhattan are not properly cleaned. This condition should not be and must not be continued. There are sufficient attendants to keep them clean, and from this date I shall expect them to be kept clean at all times. * * * The purpose of this order is to make it clear to everyone concerned that it is the intention of this Department to operate these Comfort Stations in the manner and for the purpose for which they were intended, and thus make them of real service to the public." And on the 27th of June, I issued an order closing these stations between the hours of two and four in the morning, for the express purpose of giving them a thorough flushing and cleaning. No complaint or criticism has been received as a result of this closing, while on the other hand we have heard several statements indicating that the improved condition is noticeable. The plumbing in most of these places is in need of general overhauling, owing to faulty arrangement for purpose of repair, as well as inferior quality in some cases. In the meantime, we are giving special and constant attention to its maintenance with our plumbing squad.

I have already noticed the uncleanly condition of the Gansevoort Market. I am informed that it has been this way for a long time and has even come to the attention of the Board of Health. It is my intention to follow this matter up and find a solution. In the meantime an order has been issued to the force employed at the market reading as follows: "Attention has been called to the fact that the Gansevoort Market is not being properly cleaned. You will please take note of this fact and endeavor to improve its condition and appearance from this date."

The free floating baths, which are still in winter quarters in South Brooklyn, are being thoroughly overhauled by contract and by our own employees in preparation for the summer season. Applications for suitable berths along the river fronts have been made, most of which are controlled by the Department of Docks and Ferries. A few berths have already been approved by the Department of Health; orders for the towing and mooring of the baths have been issued, and two were opened to the public on the first day of July. Last spring the first baths were put in commission on July 9.

I have also visited the several interior baths, and have tried to impress upon all the attendants in charge that these must be kept clean at all times and operated with proper regard for the public, who are their rightful patrons. Although I have found on inspection that most of these baths are kept in fairly good condition from a sanitary standpoint, I feel justified in saying that there is considerable room for improvement. These institutions need a general overhauling, especially as to power plants, plumbing, floors and painting. When these baths have been put in good and attractive condition, the attendants properly trained and perhaps put into uniforms, they should be popularized by proper advertisement and made to serve the public better by drawing in larger patronage. The statistics of the use of these baths for the past quarter show the following:

Bath.	April.	May.	June.	Total for Quarter.
Rivington street	59,617	62,234	94,905	216,756
Allen street	35,008	38,847	66,130	139,985
East 11th street	36,361	57,583	80,066	174,010
East 23d street	24,509	38,244	57,163	119,916
West 41st street	19,886	24,480	32,971	77,337
West 60th street	18,015	18,331	27,872	64,218
East 76th street	20,047	26,420	44,305	90,772
East 109th street	16,687	32,719	60,548	109,954
Carmine street	10,982	16,374	35,349	62,705
Oliver street	18,328	20,164	32,614	71,106
Rutgers place	27,062	34,358	66,210	127,630

ROBT. B. INSLEY, Acting Superintendent.

Offices of Commissioner of Public Works, October 10, 1910.

Honorable E. V. FROTHINGHAM, Commissioner of Public Works:

Sir—Complying with your instructions, I beg to make the following report of the operations of the Bureau of Public Buildings and Offices, Borough of Manhattan, for the quarter ending September 30, 1910:

I was appointed to the office of Superintendent of this Bureau on August 1.

In connection with the repair and maintenance of our buildings, special mention might be made of the following:

In the City Hall, the Mayor's private office and rooms adjoining have been cleaned and redecorated and the furniture refinished. Considerable of this work was done by the Bureau's mechanical squads.

The work of restoring the offices of the Borough President at the City Hall has also been completed. It has been the purpose of the President to make these rooms look very nearly as they did one hundred years ago, when the City Hall was first

opened for public business. The thoroughness with which this work has been done and its artistic beauty can only be understood and appreciated by personal observation. This fine piece of work, including the furnishings and lighting fixtures, was executed under the advice and direction of Mr. William A. Boring as architect, and every detail was well considered and approved by the Municipal Art Commission as the work proceeded. Although this work was done at very moderate expense, there is no doubt of its high quality; and the rooms now deserve to rank with the "Governor's Room" in the same building, which was restored during the previous administration at great expense (mostly donated to the City by Mrs. Russell Sage). It is entirely fitting and proper that the President of the Borough of Manhattan should have an office in keeping with the dignity of the Borough which he represents.

In the same building, the rooms occupied by the Board of Aldermen, in the southeast corner of the main floor, have been redecorated. This work was done entirely by our own squads, and in quality ranks favorably with the work done elsewhere in the City Hall by high-class contractors. In the northwest corner of the basement of the City Hall we have fitted up new and commodious quarters for the Marriage License Bureau of the City Clerk's office, including new furniture throughout. This change has proved very serviceable to the public and helpful to the City Clerk, as this important and popular department of his work has been conducted heretofore in a small room on the main floor.

In the old County Court House, located in the City Hall Park, we have redecorated most of the rooms occupied by the County Clerk, and have replaced the wooden floors with terrazzo and cement. This has greatly improved the appearance of these rooms, which are very much used by the legal profession and others, and has also made them nearly fireproof. The court room occupied by Special Term, Part III, was completely refurnished and the lighting therein much improved, in preparation for the receipt and presentation of the memorial to the late Mr. Justice Truax. We are prepared to redecorate the dining room used by the Justices of the Supreme Court, refinish the furniture and put in new floor covering. A great many smaller jobs have been done in this building and very much more work is needed and in contemplation. The basement of this building is being rearranged to better accommodate the Bureau's mechanical squads and a large storeroom for supplies. In this store we expect to keep on hand most of the articles used for repairing and cleaning our buildings for which there is a constant and current demand; and when completely established, it will prove extremely helpful in our work and will be the means of saving both time and money. The contract has been let to install in this building two large electric elevators, to run from the basement to the top floor, to replace the old elevators. This work has been started and the machines will be in operation in the early part of the new year.

As is generally known, the Criminal Courts Building came to us in very bad condition owing to its settlement and general neglect. We have done what we could in the matter of miscellaneous minor repairs and cleaning. We have spent on the building during this year approximately \$12,000, covering many jobs by departmental labor, repairs to boilers, engines, dynamos, elevators, plumbing, damaged walls, electric clocks and the installation of a new hot water heater, new grates and mechanical draft system, considerable masonry and plastering work, painting and the repairing of the terrazzo floors and marble throughout the building. Most of this work has already been completed and the building is in good condition as compared with what it was on the first day of January last.

The contract has been let and is nearing completion for uniting the City Hall, the County Court House and the City Court Building with the Hall of Records by an underground connection which will enable us to discontinue the separate power plants and other machinery now maintained in the other three buildings and to operate all four of the buildings—as to light, heat, ventilation, water and elevator service—by means of the large power plant in the Hall of Records. The plant in the Hall of Records is adequate for this task, and the alteration will represent a substantial economy in labor, fuel, etc. Credit for this engineering move is due to Consulting Engineer Armstrong.

We have caused to be installed in several of our power plants a new system of mechanical draft, for the purpose of burning a lower grade of coal and increasing general efficiency. This device contemplates the furnishing of oxygen automatically, of carbon manually, and the control of combustion entirely by the fan. This makes it possible for the engineers to carry a thicker bed of fire, reduces the flue gas temperatures and shows a corresponding saving in the amount of coal burned and labor involved.

On June 27 an order was issued for the installation of new grates for the boilers in the public bath buildings at 122 Allen street, 347 West 41st street, 232 West 60th street, East 76th street and John Jay Park, 243 East 109th street. This will enable us to use a cheaper grade of coal.

To make the several City Magistrates' Courts comply with the requirements of the new law as to removal of the "bridge" and the establishment of a complaint room outside of the court room, we have issued orders and made contracts for altering the court rooms at the Criminal Courts Building, the Jefferson Market Court, West 54th street, East 57th street and at the Harlem Court House. It is worth noting that at this time the only court room that has been completed is the First District, at the Criminal Courts Building, which has been done entirely with our own mechanical squads. This job also promises to be the only one that is entirely satisfactory to the Justices without further alterations. This is accounted for by the fact, first, that we have complete control of our own men and are able to get first-class workmanship; and second, that any desired alterations of plan as the work proceeds can be easily made without formality or the necessity of approval by the Finance Department, which is always necessary where the work is proceeding under contract. This is a good illustration of the advantage of doing repair work, wherever possible, by means of our own squads.

At the City markets under our jurisdiction, perhaps the most noticeable improvement up to date is to be seen at the Gansevoort Market. Attention was called to this matter in my last quarterly report. This is an open public square, to which the farmers are admitted daily upon the payment to the Finance Department of twenty-five cents for a permit. This market has been rather notorious as an unclean place. The farmers have been in the habit of selling as much of their produce as possible, and then frequently dumping the balance on the market and driving home, leaving it for our sweepers to gather up. The purchasers have been allowed to bring into the market, when they came to buy, barrels filled with mixtures of rubbish which they were not able to deliver easily to the carts of the Street Cleaning Department; nearby tenement dwellers found it a convenient point for depositing miscellaneous articles; and grocers and others in the neighborhood also found it convenient to dump at this public place, during the hours when our sweepers were not on duty, all sorts of garbage. When I took hold of the matter I was informed by the foreman in charge of our sweepers that it was a hopeless task to prevent such abuses and that the only remedy was to increase the force of carts and sweepers. The force was not increased. Instead, I transferred a reliable watchman from one of the other markets, had him deputized by the Police Department as a special officer without uniform, and assigned him to cover this market at night, with instructions to stop all such abuses. By arrangement with the Superintendent of Markets of the Finance Department, I was permitted to furnish him with a rubber stamp, which he had put on the back of all receipts for daily permits issued to the farmers, reading as follows: "Dumping of refuse of any sort by the holder hereof is absolutely forbidden by the Comptroller, under penalty of being excluded from this market for a period of three months. All refuse from wagons must be deposited by the holder of this ticket in receptacles provided by the City for that purpose." We also issued orders for the purchase and installation of about fifty metal receptacles, into which sweepings, etc., are now placed in readiness for our carts. It was found necessary to have these receptacles securely fastened to the stone pavement by means of large hasps and padlocks. The result in general has been gratifying, as the market is now clean and its improved condition has been remarked upon.

At the Washington Market this Bureau assisted the Sidewalk Division of the Bureau of Highways in clearing the sidewalks on the four sides of the market of all stands and other encroachments back to the building line. A complete overhauling of this whole market is being contemplated for the near future.

During the third quarter of the year, the Bureau had in operation along the two river fronts eleven free floating baths. The disposition of the other four baths is accounted for by our absolute inability to find berths for any more. We were able, therefore, to loan three baths to other Boroughs—one to The Bronx, one to Staten Island and one to Blackwells Island. One bath only remained in winter quarters. Last year three baths were left in winter quarters during the summer. It was with considerable difficulty that we were able to find berths for the eleven. One of these

was anchored on private property by the courtesy of the owner, Honorable John J. Hopper. Before putting these baths into commission in the spring, they were thoroughly overhauled physically and painted. We were also able to open some of these baths to the public earlier this year than last. For their proper operation I issued a new set of rules reading as follows:

"This bath is open to men on Tuesday, Thursday and Saturday from 5 a. m. to 9 p. m., and on Sunday from 5 a. m. to 12 noon.

"This bath is open to women on Monday, Wednesday and Friday from 5 a. m. to 9 p. m., and on Sunday from 1 to 8 p. m.

"This is a free public bath. No private rooms. It is unlawful for any employee or other person to solicit or receive money for any special privilege or purpose whatsoever.

"Members of the United States Volunteer Life Saving Corps are present for teaching swimming. This instruction is entirely free, and is to be conducted in conformity with the rules and regulations governing the general use of the bath.

"Children under fourteen will be admitted only between 8 a. m. and 6 p. m.

"All persons must wear suitable bathing suits, except boys under ten years of age.

"Persons under the influence of liquor not admitted.

"The following practices are prohibited:

"Diving, running, lunging, smoking, swearing, drinking of liquor, unnecessary noise, loitering in or about the bath, damage to premises, bringing newspapers or other objectionable articles into the bath house. No dogs allowed.

"The regular time for remaining in the water is twenty minutes, but all persons must leave the water and dress promptly on signal from the attendant at any time.

"The attendant shall have the right to prevent any person from visiting the bath more than once during any day, whenever it is necessary in order to accommodate others.

"Attendants are charged with the duty of helping to safeguard clothes and other property, but all belongings left in rooms or elsewhere are there at the risk of the owner.

"The attendant in charge is authorized and directed to refuse admittance to any person who has once wilfully violated any of the regulations or who has been guilty of any other wrongdoing.

"Suggestions and complaints should be addressed to the Superintendent of Public Buildings and Offices, 21 Park row.

"In addition to the foregoing, attendants shall observe and enforce the following rules:

"No favoritism or unjust discrimination will be permitted.

"Rooms and other parts of the bath must be kept clean at all times. The entire bath must be thoroughly cleaned every night.

"All persons, except employees on duty and authorized repairmen, shall be excluded at all hours when the bath is closed to the public.

"All pontoons must be inspected at least once every two hours, and leaks reported immediately to the Superintendent.

"All accidents to either person or property, and irregularities of any sort, must also be immediately reported in writing, with full particulars, to the Superintendent.

"Signal lights must be properly placed and cared for from sunset to sunrise.

"All supplies and other property of the City must be carefully guarded and used only for the purpose intended.

"Punctuality and regularity in attendance will be insisted upon. No employee shall go off duty without permission, and no one who has been absent from duty without leave for any length of time shall be allowed to return to work without permission from the Superintendent. All employees will be required to fill out the timesheets supplied by the Department, stating the exact time of arrival and departure, irrespective of hours of service.

"Failure to observe and strictly enforce any of the foregoing rules and regulations will be considered a neglect of duty and deemed sufficient cause for removal of employee."

Briefly stated, the floating baths were kept clean; we had no accidents due in any degree to carelessness or lack of proper attention on the part of this Bureau, and no improper practices, such as petty graft, were discovered. The United States Volunteer Life Saving Associations visited the baths for the purpose of teaching swimming and also furnished, free of charge at each place, a chest of medicines, etc., for "first aid" in case of need. The discipline and police protection were both effective, and, with a few exceptions, the attendants as a force were diligent and efficient.

These floating baths were in commission between the following dates:

Berth.	Opened.	Closed.
Battery (men).....	July 1	Oct. 13
Battery (women).....	July 1	Oct. 13
Pike street and East River.....	July 8	Oct. 10
Corlears street and East River.....	July 9	Oct. 10
5th street and East River.....	July 25	Oct. 13
96th street and East River.....	July 8	Oct. 5
51st street and North River.....	July 9	Oct. 13
82d street and North River.....	July 27	Oct. 7
99th street and North River.....	Aug. 25	Oct. 7
136th street and North River.....	July 26	Oct. 13
156th street and North River.....	Aug. 5	Oct. 13

An idea of the comparative use of the floating baths according to sex is given by the following figures of the month of September:

Location.	Males.	Females.
Corlears Hook	59,500	53,997
Battery Park	82,755	50,515
Pike street	70,690	54,600
East 5th street.....	77,200	58,805
West 136th street.....	19,340	8,875
West 51st street.....	8,980	4,145
West 82d street.....	9,650	7,683
East 96th street.....	21,760	12,404
West 99th street.....	8,115	6,775
West 155th street.....	9,219	7,725
Total	366,609	265,524

The total patronage of the floating baths for the present quarter was:

July	753,378
August	999,880
September	633,033

Total

2,386,291

From the foregoing figures, it will be seen that the free floating baths are extremely popular in the sections which they are able to serve, and are beneficial agencies for giving to tens of thousands of our poor of both sexes and all ages, wholesome recreation, as well as daily relief from the almost unbearable heat of the tenements and the places in which they work. In answer to those who say that the waters of our rivers are not fit for bathing, it might be said that at least the children of our poor will go swimming and if these public baths were not there to invite them, they would bathe in places much nearer sewer outlets and thoughtlessly run risks of injury and drowning as children will. We choose our berths as far removed as possible from sewer contamination and also pay strict attention to the safety of all. These baths have been returned to their winter quarters in South Brooklyn. We are economizing by reducing the force of winter attendants from fifteen to five. We are planning to keep in closer touch with these baths during the winter season and furnish them with better protection, either by the installation of a police signal box or an independent telephone. In an effort to cut down the expense of their annual repair and also put them into commission earlier next spring, it is also our intention to do the necessary overhauling principally with our own mechanical squads.

The interior baths have been operated as usual, and in general with satisfactory results. The following table shows the patronage of the interior baths for this quarter:

Bath.	July.	August.	September.	Total for Quarter.
Rivington street	104,516	86,252	68,063	258,831
Allen street	97,881	73,491	60,656	232,028
East 11th street	111,512	87,622	85,786	284,920
East 23d street	120,135	85,473	77,770	283,378
West 41st street	59,979	45,688	44,515	150,182
West 60th street	39,805	29,995	23,331	93,131
East 76th street	70,426	50,453	39,971	160,850
East 109th street	83,022	64,891	44,311	192,224
Carmine street	54,348	54,703	26,531	135,582
Oliver street	52,627	40,065	20,150	112,842
Rutgers place	134,533	125,716	119,094	379,343

ROBERT B. INSLEY, Superintendent.

Office of Commissioner of Public Works, December 31, 1910.

Honorable E. V. FROTHINGHAM, Commissioner of Public Works:

Sir—According to your instructions, I beg to report that the operations of the Bureau of Public Buildings and Offices for the fourth quarter of 1910 have been about normal as to the ordinary routine. We have been extremely busy in an effort to meet many unusual demands made upon the Bureau. We have endeavored to keep all the court rooms and offices comfortable during the cold weather, and have also made considerable progress in the matter of the physical repair and maintenance of the buildings.

Under the supervision of Consulting Engineer Armstrong, large contracts have been made for overhauling the heating and plumbing features of our baths, which may be briefly scheduled as follows:

(a) The heating systems and steam and auxiliary piping in the boiler rooms at the interior public baths located at 5 Rutgers place, 83 Carmine street, 538 East 11th street, 23d street and Avenue A, 324 Rivington street, 243 East 109th street, 133 Allen street, 347 West 41st street, 232 West 60th street, East 76th street and John Jay Park, and Cherry and Oliver streets.

(b) The plumbing systems, and installation or repair of present filters and circulating pumps at the interior baths located at Cherry and Oliver streets, Rutgers place, East 109th street, Rivington street, West 41st street, Allen street, East 76th street, Carmine street, East 11th street, West 60th street and East 23d street.

(c) The repair of cement floors in the shower and dressing compartments at the interior baths located at East 109th street, West 60th street, West 41st street, Allen street and Carmine street.

In addition to the foregoing, contracts have also been made for considerable work in the buildings. A contract has been made for the installation of a large first-class passenger elevator in the Municipal Court House at 264 Madison street. This building serves a large and densely populated section of the Borough, and an elevator in this building is very much needed to handle and accommodate the thousands of people who continually come and go.

As the Magistrates' Court now being held at the old Essex Market Court House is planning to move soon after the beginning of the new year to the leased premises in the Florence Building, at the northeast corner of 1st street and 2d avenue, our Bureau was asked to make the necessary alterations. This includes the rearrangement of the court room, complaint room and judges' chamber, the addition of two more prison pens, the installation of a new lighting system and the complete redecoration of the rooms and refinishing of the furniture. We are proceeding with this work as rapidly as possible, and expect to have the place in readiness to receive the Court by the middle of January.

The building at the southwest corner of Prince and Wooster streets, previously used by the Municipal Courts, but which for several months has been practically vacant, was turned over by the Sinking Fund Commission on December 5 to the Department of Correction for use as a women's prison. We are planning to move the court records which were there to the basement of the Jefferson Market Court House, where we are building a fireproof record room at the request of the municipal court justices.

We are preparing contracts for the alteration of the Justices' chambers at the Seventh District Municipal Court, 70 Manhattan street, and for improving the condition of the two court rooms and adjoining offices.

Contracts have been prepared for providing the four interior baths located at Carmine street, Rutgers place, Cherry and Oliver streets and East 54th street, with gymnasium equipment and appurtenances. When this has been done and proper arrangements made for the care and utilization of these rooms, another liberal and decidedly beneficial step will have been made in the direction of providing the people with very necessary recreation facilities.

At the old Washington Market, which has apparently had very little attention since it was built, we have let contracts for the repair of the sidewalks and curbing, for the thorough painting of the market inside and out, for the repair of the skylights and other parts of the roof, putting glass show windows in all sides and for the installation of toilet rooms (which the market entirely lacked before). The instructions of the Borough President will be further carried out, at a later date, by the remodeling of the interior of the Market, which we could not do at this time without unnecessary loss to the standholders by interfering with their holiday trade. Reference was made in a previous report to the clearing of the sidewalks, on all four sides, of all incumbrances back to the building line, which was done by the Bureau of Highways of this Department.

The City sustained a small loss at the Fulton Market by reason of a fire in the early part of December, which swept the southeast corner of the building. The debris was quickly cleared away and the damaged portion of the building made temporarily waterproof with our own force. This work was finished in less time and at much less expense than if done by contract. Permanent repairs to the building has not yet been decided upon. This market is also in need of general and extensive overhauling, from both a physical and sanitary standpoint. Whether the return to the City from the market business would justify a large expenditure to put this building in good condition, is a question which is yet to be decided by the Borough President. I am of the opinion that it would not justify the expenditure, and recommend that steps be taken to abolish this market. It has outlived its usefulness, from the standpoint of the City's interests.

In submitting our recommendations for the 1911 Budget, we have planned to show a saving next year without any sacrifice in efficiency. Our suggestions, however, have not been in any way radical; believing that the proper reorganization of a force of this character must necessarily be gradual. One of the changes which is perhaps worth recording is the practical wiping out of the present inspection force on the buildings, baths and comfort stations. We reached the conclusion after considerable observation that the only inspection which is productive of real good is that of the Bureau Chief and his immediate staff. The new plan, which I recently instituted, of collecting all time sheets and other papers through the post office, and the new telephone system herein referred to, were both installed in anticipation of this change in the force. I believe this arrangement will represent another economy which will not be at the expense of efficiency. It is our purpose to work the Engineers and Firemen in the power plants on a six-day basis, instead of seven days as heretofore; in the hope that the change will prove a mutual advantage, by increasing their general efficiency and also giving them one day in each week for recreation.

We have recommended the installation of a new telephone system to serve the entire Department of the President of the Borough of Manhattan and the necessary alterations are now being made. This comprehends the running of private leased wires to all buildings, baths, comfort stations, markets, corporation yards and other points under the jurisdiction of the Borough President, which will be connected with and controlled by the switchboard in this office. Two additional Telephone Operators have been provided in next year's budget, which will enable us to have service to all points in the Department, and through our switchboard to the telephone company's outside wires, at all times throughout the twenty-four hours. The mileage charge on the private wires will entitle us to an unlimited number of calls over those wires. This system will also have the advantage of controlling the use and thus reducing the abuse of our many instruments for outside and foreign calls, which are in many instances not properly chargeable to the City. The important point gained is the putting of all of our buildings in immediate and constant touch with the offices of the Commissioner. Heretofore we have been able to reach many of these points or to receive their emergency communications only through inspectors or other messengers.

The engineering staff of the Bureau has been increased by the addition of three Assistant Engineers and one Mechanical Engineer. A Mechanical and Drafting Division has been established, with two Mechanical Engineers, four permanent Draftsmen and other Draftsmen on temporary assignments. Separate rooms have been set aside for this division and properly equipped. This improvement in organization will result in greatly facilitating the work of the Bureau in the repair and general maintenance of the structural, architectural and mechanical features of our many buildings and will also represent a substantial saving of money which would otherwise necessarily be paid to supervising architects employed by the Borough President. Illustrations of this are seen in the elevator installations, and the large repair jobs in the interior baths, the Washington Market and other places which are now in progress, with the able assistance of Consulting Engineer Armstrong.

During this quarter, several Janitors were shifted, one laid off and one suspended on charges. This has resulted in a marked improvement in the cleanliness and sanitary condition of the various buildings. While some of the Janitors had been taking very good care of their buildings, there was room for improvement in many cases, which has been duly impressed upon them by the general shaking up of the force. The most noticeable improvement has been worked at the Criminal Courts Building, which has been changed during this quarter from the dirtiest to one of the cleanest of our buildings.

The laboring force employed in the buildings has been gradually reduced without the necessity of a large lay-off. It now represents the minimum which I believe we should have. What we really need, in my opinion, is more male laborers and fewer women Cleaners. The proportion can be gradually readjusted as the force of Cleaners is reduced by natural causes, such as death, resignation, etc. Under instructions from the Borough President, all laborers who were receiving less than \$2.50 per day have been raised to that amount, and a few of our laborers who are especially capable and have more than ordinary responsibility are being paid \$3. There is a marked difference in the work of these men, both as to amount and quality, and I believe it would be well to provide for more \$3 men, as a proper remuneration for actual output and also to furnish a grade between \$2.50 Laborers and mechanics earning union wages, to which the faithful and really deserving may be promoted. A man, for instance, who can and will render efficient service when assigned to a mechanical squad—doing work which, but for his help would be done by the higher paid mechanics—should not be classed, by his wage, with the lazy fellow who sits around and neglects his work, or the supernumerary, who is almost worthless but continued on the payroll as a concession to charity—both well-known types in the City service.

I have renewed the suggestion that the Attendants in charge of the interior baths might, with propriety and advantage, be paid a uniform salary and somewhat higher than paid to the general bath force. I do not think it would be advisable, however, as has been suggested, to put the engine rooms at the baths under the Attendant in charge. Heretofore the two swimming pools at the 23d and 60th street interior baths have both been opened to men on Tuesdays, Thursdays and Saturdays, and to women on Mondays, Wednesdays and Fridays. In the hope of increasing their usefulness, I have issued an order changing the men's days at the 60th Street Bath to Mondays, Wednesdays and Fridays. The purpose and result of this combined schedule is to keep one pool open at all times to the men and one to the women. I have also issued an order, effective during the winter months, changing the hours of service for the Bath Attendants and the Stationary Engineers in the baths from the old schedule of 6 a. m. to 2 p. m. and 2 p. m. to 10 p. m. for the two shifts, to a new plan of 7 to 3 and 1 to 9. The employees are still on duty for the full eight hours, but the shifts overlap two hours in the middle of the day, when the entire force is on duty. The Attendants have been instructed to use this time to give the baths a thorough cleaning, while the Engineers claim they can do better repair work together than separately. This change of hours has been very much appreciated by the Attendants, especially the women; and I believe it will not result in any inconvenience to the public or any loss of patronage during the winter months. Another order has been issued, which has also called forth a vote of thanks from the Attendants in the baths, making Monday morning the time for changing shifts instead of Sunday morning. Heretofore the Attendants working on the shift ending at 10 p. m. on Saturday were obliged to report for duty on the shift beginning at 6 o'clock Sunday morning.

In addition to the above, the following are some of the other general orders issued during this quarter, which are perhaps worthy of notice.

An order was issued on November 1, putting into operation a plan of collecting all time sheets, requests for repairs and supplies, reports and other communications, by mail, regularly and promptly each day, instead of by means of Inspectors, Foremen and sundry irregular messengers sent to the office. This system is working with entire satisfaction, and to the improvement of the service. It also represents a substantial economy.

Under the same date an order was sent out directing all Engineers and Firemen on night duty in the buildings and baths to make occasional rounds throughout the building for the purpose of proper police and fire protection; with instructions to observe, record and report immediately any matter out of the ordinary. Another order was issued instructing Engineers and Firemen to deny admittance to the engine rooms of all persons except those City employees known to them to have a right to enter and such persons as may present proper credentials from someone in authority in the Department. Under date of September 29, an order was issued to all Stationary Enginemen calling attention to the system of mechanical draft recently installed for the purpose of burning a lower grade of coal and increasing general efficiency; asking them to pay special heed to the instructions of the contractors and the Consulting Engineer, and instructing them as to the general purpose of the system. An order was issued to all Attendants and Laborers, requesting them to refrain from handling, or in any manner tampering with, the mechanical appliances or machinery installed in the buildings.

I might add in closing that this quarter has been a rather trying one, in that we have made strenuous efforts to keep everyone as comfortable as possible during the cold weather, in addition to proceeding with what might be termed the ordinary routine of the Bureau. As previously stated, the power plants, controlling heat, light and ventilation, are being thoroughly overhauled; we are also arranging to increase the storage capacity of our many coal bins as much as possible, in the face of the fact that in several places an inadequate allotment of space was made for this purpose by the architects, and the miscellaneous repairs are proceeding without interruption. As a result of all this, we feel justified in anticipating for next year a still more comfortable winter season for our many tenants and the public who visit the buildings.

The use of the interior free public baths during this quarter is shown by the following:

Bath.	Oct.	Nov.	Dec.	Total for Quarter.
Rivington street	57,586	45,320	40,695	143,601
Allen street	44,349	26,424	25,100	95,873
East 11th street	75,074	66,373	63,486	204,933
East 23d street	53,049	37,715	33,876	124,640
West 41st street	32,235	20,517	13,996	66,748
West 60th street	27,768	38,808	12,366	78,942
East 76th street	28,685	15,325	13,394	57,404
East 109th street	32,451	22,002	15,011	69,464
Carmine street	30,764	17,827	13,254	61,845
Oliver street	17,293	18,624	19,402	55,319
Rutgers place	66,286	47,747	35,334	149,367

During the small part of October in which the floating baths were in use, they were patronized by 24,904 bathers.

ROBERT B. INSLEY, Superintendent.

Offices of Commissioner of Public Works, December 31, 1910.

Honorable E. V. FROTHINGHAM, Commissioner of Public Works:

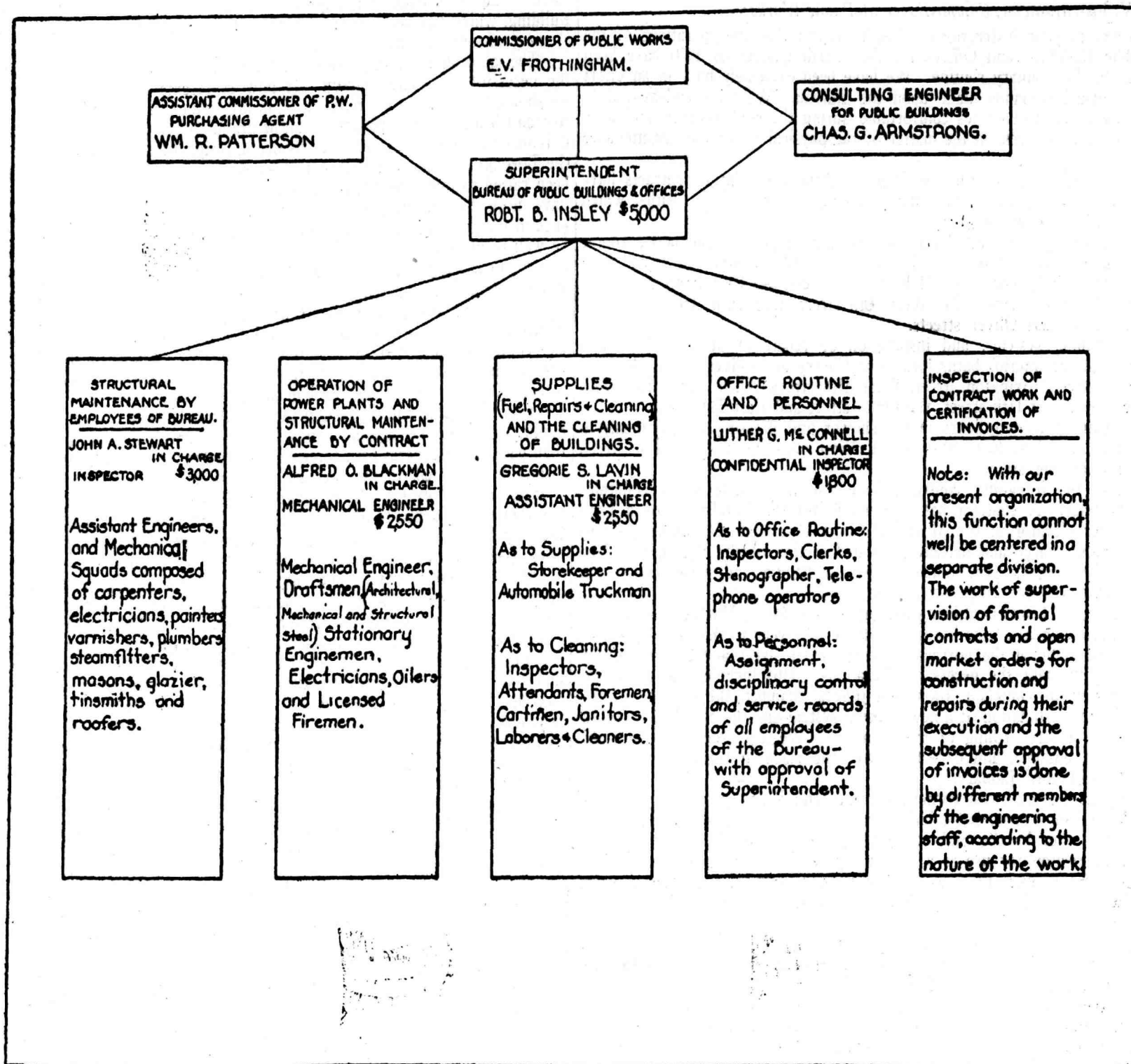
Sir—I have the honor to submit herewith the report of the Bureau of Public Buildings and Offices for the Borough of Manhattan, covering the year 1910. I beg to refer to the quarterly reports of the Bureau for this year and to incorporate them as a part of this annual report, as they contain certain information and detail which will not be repeated.

In anticipation of certain questions which may be asked with reference to the operation of the Bureau and which are not answered by this report, it should be noted that the absence of fuller statistics and financial statements is due to the fact that when the Department of Public Works was reorganized by Borough President

McAneny the function of purchasing of supplies was taken from this Bureau and placed in the Assistant Commissioner of Public Works, and most of the bookkeeping and all of the accounting work was taken from the several bureaus of the department and centred in the Division of Audits and Accounts under the supervision of the Assistant Commissioner. In the matter of supplies, this Bureau now makes requisitions on the Assistant Commissioner, as the purchasing agent of the Department, according to its needs; and in the matter of repairs which are not handled by the mechanical squads of this Bureau, requisitions are made on the Assistant Commissioner for the placing of the necessary open market orders or the making of formal contracts, with the complete plans and specifications attached to such requisitions. All such orders and contracts for repairs, after having been entered into by the Assistant Commissioner, are then referred back to this Bureau for execution. This repair work is directed and inspected during its progress, with the aid of my engineering staff, and the payments and vouchers certified under my supervision. In making this report, therefore, I shall necessarily pass over almost everything in the way of statistics and accounting.

The general scope of the powers and duties of this Bureau is indicated in that part of section 383 of the Greater New York Charter which reads: The Borough President "shall, within the Borough for which he shall have been elected, have cognizance and control * * * of the construction, repairs, cleaning and maintenance of public buildings, including markets—except school houses, alms-houses, penitentiaries, and fire and police station houses, and other buildings whose care and custody are otherwise provided for in this act; * * * of the care and cleaning of all offices leased or occupied for public uses; * * * of the location, establishment, care, erection and maintenance of the public baths and public comfort stations."

From this it can be easily seen that the work of this Bureau is of considerable magnitude and of a widely varied nature. On the executive side, our task also comprehends the supervision, control and discipline of the hundreds of our own employees. The present organization of the Bureau, as of December 31, 1910, will be seen by the following chart, which indicates distribution of functions and personnel:



The following statement shows the present force of the Bureau, under each title, as of December 31, 1910:

No.	Title.	Salary, or Wage, per Annum.	No.	Title.	Salary or Wage, per Diem.
1	Superintendent	\$5,000 00	1	Foreman of Baths	4 75
1	Inspector	3,000 00	2	Foremen Elevatormen	3 00
1	Mechanical Engineer	2,550 00	1	Foreman Elevatormen	3 50
1	Mechanical Engineer	1,800 00	1	Foreman Bricklayer	6 00
1	Assistant Engineer	2,550 00	4	Painter Decorators	4 00
3	Assistant Engineers	1,800 00	1	Plumber	4 75
1	Mechanical Draftsman	1,800 00	6	Plumbers	5 00
2	Structural Steel Draftsmen	1,800 00	2	Plumber Apprentices	2 50
1	Architectural Draftsman	1,500 00	4	Plumbers' Helpers	2 50
1	Inspector of Public Buildings and Offices	2,100 00	5	Pipe Fitters	5 00
1	Inspector of Public Buildings and Offices	1,800 00	1	Pipe Fitters' Helper	2 50
1	Inspector of Public Baths and Comfort Stations	1,500 00	1	Steam Fitter	5 00
1	Inspector of Masonry	1,500 00	1	Steam Fitters' Helper	2 50
1	Clerk	1,500 00	1	Ship Caulker	3 50
1	Clerk	1,350 00	1	Tinsmith	4 50
1	Clerk	900 00	3	Tinsmiths	4 00
1	Stenographer and Typewriter	1,200 00	1	Tin Roofer	4 00
1	Telephone Operator	1,050 00	3	Varnishers	4 00
2	Telephone Operators	900 00	3	Wiremen	4 50
1	Telephone Operator	750 00	3	Stationary Engineers	5 00
1	Storekeeper	1,800 00	34	Stationary Engineers	4 50
1	Automobile Engineman	1,200 00	1	Janitor Engineer	4 50
1	Janitor	1,500 00	18	Licensed Firemen	3 00
9	Janitors	1,200 00	44	Stokers	3 00
2	Janitors	1,050 00	11	Firemen	3 00
2	Janitors	900 00	4	Oilers	3 00
27	Elevatormen	900 00	15	Cartmen	3 50
4	Watchmen	900 00	1	Laborer	3 00
5	Male Attendants	1,200 00	103	Laborers	2 50
11	Male Attendants	1,050 00			
80	Male Attendants	900 00			
1	Female Attendant	750 00			
86	Female Attendants	720 00			
1	Cleaner	600 00			
194	Cleaners	360 00			
2	Cleaners	2 00			
1	Assistant Foreman	4 00			
1	Assistant Foreman	3 50			
2	Assistant Foremen	3 00			
8	Carpenters	5 00			
3	Cabinet Makers	4 50			
1	Electrician	4 50			
1	Foreman of Cleaners	5 00			
1	Foreman Varnisher	5 00			
1	Foreman Plumber	5 00			
1	Foreman Wireman	5 00			
1	Foreman Painter	4 50			

A complete statement of our maximum annual force would include

45 Male Attendants
40 Female Attendants

833

—in charge of the free floating baths during the summer months, which, added to the foregoing, makes a total of 833 persons in the service of this Bureau during the year 1910.

The following is a schedule of the buildings, offices, markets, baths and comfort stations which I understand are under the supervision of this Bureau, as of December 31, 1910. Our duties with respect to these different buildings vary according to whether the buildings are owned by the City, in which case we maintain them physically as well as clean them; or are leased by the City, in which case our obligations to clean and repair depend upon the conditions of the leases. Notwithstanding our duties with respect to the leased premises are necessarily determined by the leases in force, we have been unable up to this time, notwithstanding several efforts made, to obtain copies of these leases. I recommend that this right be insisted upon, as they would not only be helpful, but are quite necessary to the proper operation of the Bureau.

Building.	Location.	Ownership.
City Hall	City Hall Park	City
Offices of the Commissioner of Public Works—Department of the President of the Borough of Manhattan, including Bureaus of Highways, Sewers, Public Buildings and Offices.	21 Park Row	Leased
Hall of Records	Chambers and Centre streets	City
County Court House	City Hall Park	City
City Court House	City Hall Park	City
Criminal Courts Building	Centre, Franklin, Lafayette and White streets	City
Municipal Court	60 Lafayette street	Leased
Municipal Court	264 Madison street	City
54th Street Court House	314 West 54th street	City
57th Street Court House	131 East 57th street	City
Jefferson Market Court House	10th street and 6th avenue	City
Municipal Court	83d street and 3d avenue	Leased
Harlem Court House	170 East 121st street	City
Municipal Court	Madison avenue and 59th street	Leased
Vacant	1st street and 2d avenue	Leased
Children's Court	11th street and 3d avenue	City
Essex Market Court	69 Essex street	City
Municipal Court	70 Manhattan street	Leased
Municipal Court	Broadway and 96th street	Leased
City Record	96 Reade street	Leased
Public Bath	326 Rivington street	City
Public Bath	243 East 109th street	City
Public Bath	347 West 41st street	City
Public Bath	133 Allen street	City
Public Bath	76th street and John Jay Park	City
Public Bath	540 East 11th street	City
Public Bath	232 West 60th street	City
Public Bath	23d street and Avenue A	City
Public Bath	85 Carmine street	City
Public Bath	Cherry and Oliver streets	City
Public Bath	5 Rutgers place	City
Public Bath	348 East 54th street	City
Winter Quarters for Free Floating Baths	Foot 22d street, So. Brooklyn	Leased
Comfort Station	Battery Park	City
Comfort Station	Hanover Square	City
Comfort Station	City Hall Park	City
Comfort Station	Chatham Square	City
Comfort Station	Sheriff and Delancey streets	City
Comfort Station	Greeley Square	City
Comfort Station	Long Acre Square	City
Comfort Station	125th street and Park avenue	City
Comfort Station	125th street and 1st avenue	City
Fulton Market	Fulton, Beekman, South and Front streets	City
Washington Market	Washington, Vesey, West and Fulton streets	City
West Washington Market	West, Gansevoort and Bloomfield streets, North River	City
Gansevoort Market	Gansevoort, Washington, Lower W. 12th and West streets	City
Jefferson Market	6th and Greenwich avenues	City
Bureau of Buildings	220 4th avenue	Leased
Public Administrator's Storeroom	5 Duane street	City
Finance Department	Stewart Building	Leased
73d Regiment Volunteers	128 West 17th street	City
Volunteer Firemen	220 East 59th street	City
Office, City Paymaster	83 Chambers street	Leased
Office, Chief City Magistrate	320 Mulberry street	City
Bureau of Weights and Measures, Testing branch	244 West 49th street	Leased
Corporation Yard	153 Lafayette street	Leased
Corporation Yard	Rivington and Tompkins streets	City
Corporation Yard	123d street and Columbus avenue	Leased
Corporation Yard	56th street, West of 11th avenue	City
Office, Board of Estimate and Apportionment	277 Broadway	Leased

I have omitted the detail as to the occupants of these buildings, as this information is to be found in reliable form by reference to the daily issues of the CITY RECORD under the heading of Official Directory. During the past year the two Court Houses owned by the City, located at the corner of Prince and Wooster streets and at 154 Clinton street, have been released to other departments, on order of the Sinking Fund Commission.

In connection with repair and general physical upkeep, our work covers everything which goes to make up a building and its mechanical and power equipment. In conducting this department of our work, we must necessarily handle a vast amount of detail, both important and petty. Many of the buildings under the care of this Bureau were found to be much in need of repairs. Some of this work is extensive, and to place these buildings in good condition will require considerable time and large outlays. The Bureau has received from all sides a great many requests for miscellaneous repairs and supplies. Owing to the hindrance to our work, due to the fact that the office staff has not been fully developed, we have been compelled to confine our efforts in this direction principally to matters which appeared to be more or less urgent. Our purpose to properly maintain the mechanical and sanitary features of the buildings is made more difficult of execution by the fact that the buildings have isolated power plants, and the mechanical and plumbing features have not been of uniform nature or in any way standardized. To a certain extent, therefore, the physical upkeep of each building is a separate problem. This work is made still more difficult by the fact that the buildings in general have not had the best of care. The expense of this work is largely increased furthermore by faulty design and construction in some cases. An illustration of this is seen in the manner in which much of the plumbing and electric wiring in the baths and comfort stations has been installed, where it can not be easily examined or economically repaired, and in some of our buildings the heating and ventilating apparatus is antiquated or worn out. In addition to correcting these mistakes as fast as possible, we are giving prompt attention to current repairs, which will in itself prove a great saving.

Public buildings are subject to heavier use and more abuse than private buildings. This fact also helps to increase the work of this Bureau. The demands upon us, furthermore, are not always confined to the necessary and sane, and we are often asked to do the impossible, either physically or in point of time. In other words, this office is expected to take note of and execute immediately hundreds of requests of all sorts from the tenants of these many buildings, caused by this continual performance of physical wear and tear.

The court rooms in general throughout the Borough need better care in the matter of painting, glazing, floor coverings, repairs to railings, etc. Most of this work, because so miscellaneous and scattering, can best be done from the standpoint of both convenience and economy, with our mechanical squads, and it will continue to receive our constant attention. Owing to the constant use of the court rooms throughout most of the year, it is very difficult to make much progress in this work.

On the personal side the work of this Bureau is also important, as it closely touches and affects the comfort, convenience, welfare and safety of the general public and also the tenants—City officials, judges and thousands of others in the City and county service—who use the buildings for business purposes or recreation.

In accordance with the understood policy of the Borough President to put our buildings in proper condition, but with special attention to economy, we have worked toward the plan of increasing the number and efficiency of our mechanical squads. Some of these have been newly organized and others increased in numbers. In some cases they have been considerably strengthened by the assignment of new Foremen. We are planning to give each squad a separate shop, and wherever possible such modern machinery and tools as circumstances will permit us to use. These forces now

include Carpenters, Cabinet Makers, Plumbers, Steam Fitters, Tanners, Roofers, Painters, Decorators, Sign Writers, Varnishers, Electricians, Masons, Bricklayers and Awning and Shade Workers. We may find it advisable later to add Iron Workers and some other trades. There is no doubt that this procedure represents a substantial saving to the City; and it also puts under our direct and immediate control the workmen necessary to handle with promptness emergencies and the hundreds of miscellaneous repair jobs, both large and small. Many of these things are too small to let out to contractors, and, in many cases, it would be very difficult even to estimate the cost in advance. To place this large force of important men under better control, an Assistant Engineer has been assigned to the work of field supervision. The increased efficiency and output of these squads during the past few months has been noticeable and gratifying. During the year 1910 squad orders were issued to the number of three thousand four hundred and nine (3,409), an average of ten orders per working day throughout the entire year. This squad work, it might be noted, is in addition to such repair work as is put out on contract. One important aspect of these mechanical squads is that they serve to emancipate us from the demands and delays of contractors, as well as the formalities which contract work involves. In this connection I might say that some contractors who bid on City work seem to think it allowable to give poor quality and workmanship in return for high prices, apparently not expecting to be held to the written terms of their contracts and specifications as strictly as if they were working for private concerns. We are endeavoring to correct this wrong impression and abuse, and more than one contractor has already been disciplined. It will be the aim of this bureau to demand for the City the best service possible and the full value of its money. For some reasons—perhaps the unavoidable formalities, unreasonable delays in payment or unfair treatment—City work does not seem to be inviting to some of our best contractors, but we shall endeavor, by square dealing, first-class inspection work and promptness in certifying vouchers for payment, to make our work appeal more strongly to good contractors.

The cleaning of the principal buildings, such as the City Hall, Hall of Records and the court houses, is done by a separate organization in each building, consisting of Laborers and Cleaners under the supervision of a Janitor. This cleaning force is kept entirely separate from the employees in the engine rooms, as the Janitors are not qualified to take charge of the power plants. The mechanical equipment—engines, boilers, elevators, plumbing, heating and ventilating apparatus—is operated by Stationary Engineers, Oilers, Firemen and Elevator Men. The Elevator Attendants are themselves subject to the orders of the Janitor, while the elevators as a mechanical proposition are placed in the care of the Engineers. The cleaning of the less important places, such as some of the leased offices, is done by Laborers in charge, to save the expense of unnecessary Janitors. In most of our buildings all of the windows, skylights and the inside glass are cleaned by contract, on the theory that it is questionable economy to order our own employees to risk life and limb in doing work which would subject the City to probably heavy damage suits in case of injury.

The volume of our work has been somewhat reduced by a recent ruling of the Corporation Counsel's office, touching the matter of this Department continuing to give to other departments supplies and office furniture. It had become customary for many of the City departments in the Borough of Manhattan to come to the Department of the President of the Borough for all supplies, office furniture and fittings, and furniture repairs which they could not readily obtain elsewhere. This point is so important in connection both with our own work and our relation to the other departments that I think it well to include in this official report a copy of this opinion, which is dated July 19, 1910:

"I am in receipt of a communication from the Commissioner of Public Works, dated July 11, 1910, in which he asks to be advised whether it is proper for the President of the Borough out of the appropriation for the Bureau of Public Buildings and Offices to provide office furniture and supplies for (1) City Departments with offices in public buildings, (2) City departments in leased offices, or (3) County offices in public buildings.

"I think that the answer in each case must be in the negative.

"Since the enactment of the Charter in its amended form (chapter 466 of the Laws of 1901), I find no duty cast upon the President of the Borough to provide office furniture or supplies to any of the City, Borough or County offices except his own. Some of the duties attached to the Commissioner of Public Buildings, Lighting and Supplies, as that office existed under the Greater New York Charter of 1897, have been transferred to the President of the Borough, notably the jurisdiction over repairs, maintenance and cleaning of public buildings as provided for by section 573, subdivision 1 of the Charter of 1897, and by section 383, subdivision 10 of the present Charter. The President of a Borough, however, is not, under the present charter, vested with powers in relation to the purchase of fuel, furniture and other supplies which by the provisions of section 573, subdivision 6 of the Charter of 1897 were incidental to the office of the Commissioner of Public Buildings, Lighting and Supplies. The present charter provides by section 111 that each head of a department and each President of a borough shall have cognizance and control of the purchase of fuel, furniture, utensils, books and other articles needed for the public offices within his department or jurisdiction, and, consequently, the President of a borough has no concern in relation to procuring any of these articles for any office except his own. The responsibility for supplying necessary articles for each department devolves upon the head of that department.

"In relation to the County officials, such as the District Attorney, the Commissioner of Jurors, and to such State officers as Justice of the Supreme Court, I think a similar rule obtains. In the absence of a direct grant of power as evidenced by a statute the Borough President would be without power or responsibility in reference to providing County or State officials with necessary supplies. Many of the County and State officials are specifically vested with power by statute to obtain necessary supplies, and in the absence of any statute on the subject that power would inhere in them as part of their official powers."

We are endeavoring to follow this opinion as closely as possible, but there have been a few cases during the year where we have felt it rather obligatory upon us to lend our aid to other departments, by reason of the fact that, relying upon the custom referred to, they had neglected to contemplate their real needs for the year and ask for increased appropriations in their budgets sufficient to cover such articles as this Bureau had been furnishing, or that their requests for items not provided for in previous budgets had not been taken seriously. In the few exceptions which we have made, the controlling consideration has been whether or not we were justified in relieving other departments from the effect of a strict construction of this opinion in cases where it would likely work hardship on them or hinder the proper performance of their functions. In this connection it might be noted that another reason why other departments appeal to us, especially for cabinet work and repairs to furniture, is that this Bureau is known to be equipped, both by organization and experience, to give immediate relief. On the other hand, the other departments in making such requests upon us should take into consideration the fact that the appropriation given to the Borough President for such items for the year 1911 has been materially reduced, as a result of our announced intention to abide by this ruling of the Corporation Counsel's office; and it is both right and necessary that we should be generous to other departments only in so far as we are able at the same time to be just to ourselves and meet our own duties and obligations.

As mentioned in one of my quarterly reports, we are establishing in the basement of the County Court House, in conjunction with our squad shops, a large storeroom, its object being to economize by purchasing in quantities supplies used in both cleaning and repairing, also to facilitate the routine work of the Bureau as to both repairs and cleaning. This store is under the direct supervision of a storekeeper, who will eventually be assisted by a bookkeeper; and most of the supplies are distributed with despatch and economy by our own automobile truck. When this detail of our organization is completed and under full operation it will represent a very substantial improvement in many respects.

In the public interest, as well as to remove any cause for criticism, I recommend that all privileges in the public buildings under our jurisdiction, such as lunch counters, cigar stands, telephone booths and bootblacking chairs, be put, in so far as possible and proper, upon a remunerative basis, to be decided by competitive public bidding. Some of such privileges, which were clearly unnecessary and of doubtful utility, have been abolished. The matter, as a whole, however, has not yet been disposed of.

We have in operation now eleven interior public baths—called "interior" to distinguish them from the free floating baths which are moored along the river fronts during the summer season only—as shown in the schedule of buildings herein. In addition to these, the City has erected another very fine bath at 342 East 54th street, but owing to difficulties we have experienced in connection with its construction and equipment, we have not yet felt justified in taking possession of the building for

the City. It is practically completed, however, according to contract, and we shall likely be able to take it over from the contractors and open it to the public in a few weeks. The interior baths which we are now operating have proved immensely popular during the past year and have been the means of affording recreation and relief to hundreds of thousands of our people who can not afford to patronize private institutions of this character. The discipline enforced in these baths among the attendants in charge, resulting as it has in some removals on charges and a great many transfers, has borne good fruit as clearly shown by the marked improvement in the cleanliness of the baths and the treatment of the public. The force of Attendants in these respective baths had remained about the same for several years past, with the same men usually in charge. This settled condition has an undoubted tendency to encourage the Attendants to think they will hold their jobs regardless of the amount of work they do or the appearance of their baths, and it gives too much opportunity for a Chief Attendant, so inclined, to show favoritism among his force. I have made so many and frequent transfers and taken such other proper steps toward reorganization and discipline that this feeling of security and irresponsibility has been pretty thoroughly dispelled. Some of the Chief Attendants who seemed to think they owned the baths and could do about as they pleased have been replaced with better men. In addition to making these baths more inviting to the public by reason of their cleanliness and discipline, we have encouraged the free use of the pools at 23d street and 60th street by associations of high school boys and other athletic bodies. The patronage of these interior baths from month to month during the year is shown in my preceding quarterly reports. The following are the monthly totals for the eleven institutions:

January	218,914
February	184,014
March	262,838
April	286,502
May	369,754
June	598,133
July	928,784
August	744,349
September	610,178
October	465,540
November	356,682
December	285,914

The distribution of this patronage between the several baths for the four quarters and for the entire year is shown by the following table:

Bath.	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Annual Total.
Rivington street	134,957	216,756	258,831	143,601	754,145
Allen street	62,105	139,985	232,028	95,873	529,991
East 11th street	81,207	174,010	284,920	204,933	745,070
East 23d street	60,049	119,916	283,378	124,640	587,983
West 41st street	40,812	77,337	150,182	66,748	335,079
West 60th street	49,729	64,218	93,131	78,942	286,020
East 76th street	38,993	90,772	160,850	57,404	348,019
East 109th street	41,762	109,954	192,224	69,464	413,404
Carmine street	41,212	62,705	135,582	61,845	301,344
Oliver street	59,316	71,106	112,842	55,319	298,583
Rutgers place	55,624	127,630	379,343	149,367	711,964
Grand Annual Total Interior Baths					5,311,602

If to this is added the total patronage of the floating baths during the four months in which they were in operation this year, 2,411,195, the total number of free baths given under the supervision of this Bureau during the year 1910 amounts to 7,722,797. These figures are possibly not quite accurate, as reliance must necessarily be placed upon the returns sent in by the Attendants in charge of the baths, but they are approximately correct, and indicate the enormous good which these institutions are doing, principally among our deserving poor. I trust that we may be able to do still more during the coming year to popularize them and broaden their field of usefulness. The swimming pool is one of the best features of our public baths, and I hope we may be permitted to provide more of them in the near future. A pool can be installed at several of our baths, I am informed, without great expense. They provide for our people, free of charge, a recreation which is healthful, both physically and morally, and also offer an excellent place for the teaching of swimming. Although we do not undertake to teach swimming, we are encouraging their use for that purpose. For the safety of the public, I have transferred to these pools Attendants who are good swimmers, and have issued an order requiring that one of these Attendants be on duty constantly at the tank in swimming costume. And more than one worthy deed of rescue by our Attendants has been recorded.

The floating baths were also immensely popular during the past year, having had a total patronage for the three and one-half summer months of 2,411,195. The difficulty in finding suitable berths for our floating baths increases each year, due to the demand for the piers by the mercantile and other interests, and to the pollution of the waters by our sewers. The logical prospect is, I fear, the final abolition of this popular and healthful form of recreation. One has only to visit these places briefly on sultry days, when it requires the constant services of a Policeman to control the mob, to appreciate what a substantial blessing they are to the thousands of poor of all ages who have no other equally welcome and effective means of relief from the summer's heat within the compass of their time and purse. If it were not for these difficulties, I should unhesitatingly recommend an increase in the number of these agencies of social betterment. We shall likely be forced, however, to meet the problem by an increase in the number of our interior baths. For further particulars as to these baths and their operation, reference should be made to my report for the quarter ending September 30, 1910.

Special reference was made to the public comfort stations in my report for the quarter ending June 30. The Greeley Square station is still closed on account of the subway construction. We have attempted to enforce proper discipline and attention to duty, with the result that, although some of these stations never look quite as clean as might be desired, their condition has been much improved. In some of them the task of keeping the floors clean is made difficult by the non-waterproof condition of the structure, which keeps the floors more or less damp. Most of our comfort stations need painting, and some of them will require overhauling of plumbing and electric wiring, which I fear will be expensive. I noticed a tendency on the part of some Policemen to use them as loitering places, but this was promptly corrected upon complaint to the Police Commissioner. We have experienced some rowdiness and a few of the patrons have been victimized by pickpockets, but the Attendants on duty, under instructions from this office, have kept these stations comparatively free from such abuses. I have not felt justified in asking for a detail of Special Policemen at these points, as most misfortunes to patrons have in them an element of contributory carelessness. The patronage of most of our comfort stations, although not measured in figures, is large. For the convenience and health of the general public, I wish that we might have a great many more of these places. Some difficulties which would be met in an attempt to materially increase their number are these:

(a.) In the matter of sites, they are most needed where street traffic is heaviest, or, in other words, where real estate is most valuable. Aside from the parks, which are too few and widely scattered, and several of which have already been utilized, the only available place which occurs to me is to be found under the sidewalks outside the building line. Much of this space along our business streets has been taken for so-called "vault" privileges by the abutting property owners or lessees, but I believe this property has not passed beyond the control of the City.

(b.) The first cost for necessary structure, fixtures, plumbing, lighting and heating would be considerable, perhaps ranging from \$10,000 to \$25,000 per station, according to plan and conditions.

(c.) A constant maintenance charge must be contemplated. This takes the form of Attendants, two or three in each station, working in eight-hour shifts, to do the necessary cleaning and protect the property; repairs to plumbing and other fixtures which are subject to much abuse and need constant attention; and of cleaning supplies.

In the public markets under our care, the cleaning is done by Sweepers, and the refuse is taken away by our own carts and deposited on the dumps controlled by the Street Cleaning Department. This work is under the supervision of a Foreman in each market, and all of these are directly under one Inspector of Mar-

kets. Although there has been a reduction in the number of horses and carts used in the markets, the force has done efficient work in keeping them clean. We are hampered in this work by the markets being at this time in rather poor physical condition. The cleaning is also made more difficult by the failure on the part of the standholders to do their share. We are making some progress, however, in regulating this phase of the matter. Perhaps the most noticeable improvements so far are to be seen at the Gansevoort and the Washington Markets, to which special reference was made in my reports for the third and fourth quarters. The work called for by the contractors on Washington Market will proceed early in the new year.

As to the personnel of the Bureau, we have reduced the force considerably during the past year. The working forces in the various buildings and mechanical squads were not in proper proportions, and we have endeavored to properly balance the subdivisions by redistribution and other means. We have endeavored to correct civil service violations where found. When I was first assigned to this Bureau, I made it a point to announce to the staff, and through them to all other employees of the Bureau, that the standard for efficiency would be high. In carrying out this proposed standard we have found it necessary to reprimand some employees, to discharge others, and to make frequent transfers for reasons of efficiency and discipline. The basis for my recommendations to you for such discharges has been some form of neglect of duty, unfitness for service—such as habitual intemperance—insubordination or false certification of time sheets. All recommendations for appointment to the service have been made only after a personal examination, and in special cases an investigation, of the applicant.

I beg to call attention to the fact that the conditions and duties outlined herein have prevented my giving to the Bureau in a general sense the attention which I feel it deserves. Owing to the more or less unsettled state of organization and work, and to the lack of sufficient clerical staff, I have been compelled to spend too much time in my office. I urgently request, for the good of the service, that relief be afforded me by providing a general assistant to the Superintendent, or a Chief Clerk to carry the burden of inside office management. There is also real need for another Stenographer in the Bureau, as the work is here to be done and much of it is now being either omitted or done by those whose time could be better occupied. The stenographic work of the Bureau includes correspondence, reports of Engineers and Inspectors, squad orders, requisitions, specifications, and miscellaneous matters. These additions to the staff would result in releasing our Confidential Inspector for more important outside work, as well as giving me an opportunity to give more time to outside inspection and supervision. I regard this as quite necessary to the proper execution of my duties, as no number of reports of needs and of progress can take the place of personal examination and control in the field. The efficiency of a system of personal inspection has been already amply demonstrated in the improved condition of the many public buildings. Regular Inspectors are not able to accomplish the same result as is shown by frequent and irregular visits on the part of the head of the Bureau or some other person in authority. This work of supervisory inspection touches not only the matters of cleaning, physical upkeep and proper control of the force of the Bureau, but the maintaining of proper relations with the tenants of the buildings and the other departments concerned.

To the end that I may be able to give my best service to the Bureau, I must have not only relief in the office but means of transit. I therefore recommend very strongly, for the furtherance of the work of the Department, that this Bureau be furnished with the exclusive use of an automobile. Much of our work is routine, but some of it is in the nature of emergencies, and the volume of detail, both important and petty, is large. The ordinary and proper operation of the Bureau must contemplate regular and frequent visits by the Superintendent and members of his engineering staff for purposes of inspection, direction of physical repair and maintenance and general supervision, but it is quite impossible to properly cover the many and widely scattered buildings, courts, offices, markets, baths and comfort stations without adequate means of transit. I make this suggestion with all seriousness, for reasons of both necessity and economy. I am thoroughly convinced that the constant use of a machine would be a great factor in carrying on the heavy work placed upon this Bureau; and I can also testify from personal observation of several months that the lack of a machine has greatly hampered the work of this office and has resulted in many things being either held up or neglected.

An excellent spirit prevails among the staff in the office of the Superintendent which has necessarily resulted in efficient work. The improved tone in the service generally has been remarked upon many times, and the better class of employees have managed by one means or another to make it known that they thoroughly appreciate our efforts to raise the standard of the personnel, and conduct our affairs on the basis of genuine merit and fitness, without any regard to politics. Many of these employees justly and for good reason resent the stigma which has been put upon the civil service by the neglectful, disloyal and generally inefficient tendencies of some of their associates in the service. In closing this annual report, I feel it incumbent upon me, as well as a real privilege, to express my deep appreciation of the faithful services performed by the great majority of my subordinates.

ROBERT B. INSLEY, Superintendent.

Department of Parks.

Abstract of Proceedings of the Park Board for Week Ending November 25, 1911.

Stated meeting, November 23, 3 p. m. Present: Commissioners Stover, President; Higgins, Kennedy, Eliot.

Sealed bids were received for the following: For furnishing forage for parks in The Bronx.

For erection of the first part of Laboratory building and greenhouses for the Brooklyn Botanic Garden, on Washington ave., opposite Crown and Montgomery sts.

For erecting an engineering and construction office in Forest Park, Queens.

The following communications were received: From the Board of Estimate and Apportionment, forwarding copy of resolution revoking consent to Trinity Church Corporation to locate and construct a bridge over the Boulevard, between 153d and 155th sts., Manhattan. The following preamble and resolution were adopted:

"Whereas, The Board of Commissioners of the Department of Public Parks did adopt, on May 31, 1870, a resolution reading as follows:

"Resolved, That permission be and is hereby given to the rector, churchwardens and vestrymen of Trinity Church, in The City of New York, to locate and construct a bridge at an elevation of not less than twenty feet above the centre of the road-bed of the Boulevard, and over that portion of said Boulevard lying between 153d and 155th sts., for the purpose of connecting the easterly with the westerly side of Trinity Cemetery, as shown on a plan now before the Board, dated March 29, 1870, and that the rearrangement of the roadway, sidewalks and disposition of the trees of said Boulevard, between said streets, as shown on said plan, is hereby approved, except that the sidewalks shall conform to the width of the sidewalks of the Boulevard."

—and

"Whereas, The said bridge has now been entirely removed from within the lines of the Boulevard now called Broadway; now therefore be it

"Resolved, That the said resolution be and it hereby is rescinded."

From the Corporation Counsel, advising the Department in relation to certain contracts awarded J. H. Yale, for furnishing organic mould and clay loam for parks in Manhattan. Filed.

The preparation and advertising of contract for the installation of a new steam boiler in the Arsenal Building, in Central Park, were authorized.

Contracts Awarded—For furnishing forage for parks in The Bronx. For erecting an engineering and construction office in Forest Park, Queens.

Contracts Executed—November 24: John Connor, 262 Rogers ave., Brooklyn, furnishing 4,200 cubic yards of stable manure for parks in Brooklyn; amount, \$5,586; surety, American Bonding Company of Baltimore.

Merrick Fireproofing Co., 1 Broadway, erecting a field house in the W. 59th st. playground, Manhattan; amount, \$24,900; surety, Massachusetts Bonding and Insurance Company.

CLINTON H. SMITH, Secretary.

Abstract of Proceedings of the Park Board for Week Ending December 2, 1911.

Contracts Executed—November 27: Vulcan Rail and Construction Co., 175 N. 9th st., Brooklyn, for furnishing iron pipe guard rail for the Botanical Garden in Bronx Park; amount, \$2,673.75; surety, National Surety Co.

November 29: Vinton Contracting Company, Turnbull ave. and Westchester Creek, furnishing broken trap rock and screenings in Botanical Garden in Bronx Park; amount, \$1,400; surety, the Title Guaranty and Surety Company.

CLINTON H. SMITH, Secretary.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Report for the Quarter Ending June 30, 1911.

November 17, 1911.

Hon. WILLIAM J. GAYNOR, Mayor:

Sir—I transmit herewith report of the operation and action of this Department for the three months ending June 30, 1911.

Yours respectfully,

C. ROCKLAND TYNG, Secretary.

July 1, 1911.

Hon. WILLIAM J. GAYNOR, Mayor of The City of New York:

Sir—In accordance with the requirements of section 1544 of the Greater New York Charter, we make the following report for the Department of Taxes and Assessments for the three months ending June 30, 1911. Though nominally this is a report for the last three months, it is actually a statement of all the principal transactions of the Department, including a summary of its work for the official year. The statistics which summarize the operations of the Department are fully set forth in an appendix to the report.

The total assessed valuation of taxable real and personal property for the year is as follows:

Real estate	\$7,858,840,164 00
Personal property	357,923,123 00
Total	\$8,216,763,287 00

Real Estate.

The table showing the comparative assessment of real estate by sections and wards in all Boroughs is continued. The ordinary real estate is shown in the subdivision of taxable lands and improvements. The real estate of corporations is almost exclusively private rights-of-way of public service corporations, and improvements on such rights-of-way is shown without any attempt to divide it into land and improvements. Special franchises include the tangible property of public service corporations, situated in streets and public places, together with the value of the privilege of maintaining and operating it there. Special franchises are assessed by the State Board of Tax Commissioners, who certify the results reached by them to this Board, and such results are placed upon our assessment rolls.

The net increase in the assessed value of all real estate is \$814,647,490. The net increase in the assessed value of ordinary real estate is \$719,989,770. The difference is due to the increase of \$15,608,500 in the assessed valuation of special franchises as certified by the State Board of Tax Commissioners and the increase of \$79,049,220 in the assessed valuation of real estate of corporations. This increase in the assessed value of real estate of corporations is due in part to the assignment of certain real estate to the Bureau of Real Estate of Corporations and its removal from the classification known as "ordinary real estate." The increase of \$719,989,787 in the assessed value of ordinary real estate is extraordinary, and is due to the comparatively small increases made in the years 1909 and 1910, following the depression of 1907 and 1908, and is particularly due to the very great effort made to equalize assessments throughout the City.

A table is presented analyzing the assessed value of all exempt real estate into about fifty separate classes, with a comparison of the years 1909, 1910 and 1911. This table shows the assessed value for 1911 in the aggregate as follows:

United States	\$74,002,700 00
State of New York	3,248,775 00
City of New York	1,142,564,535 00
Educational, religious and other exempt institutions	356,392,869 00
Total	\$1,576,208,879 00

Land and Improvement Value Compared.

The map of the City and the Borough maps show the sections and wards. The comparative tables show the land and improvement values in every section and ward for four years, with the increase in the valuation of the land and in the valuation of the improvements or the decrease, as the case may be. These statistics, with the maps, exhibit the assessments in such a manner that anyone interested may determine the fairness of the work throughout the City. The tables show that in certain sections, especially in the Boroughs of Manhattan and Brooklyn, the increase was so slight as compared with other sections as materially to reduce the proportion of taxes paid by those sections. This is notably the case in the tenement sections of Manhattan on the East Side between the Brooklyn Bridge and the Harlem River and in the tenement sections of Brownsville in Brooklyn and a considerable part of Williamsburg.

Land Value Maps.

Last year the Department prepared land value maps, and through the Board of City Record they were published as supplements to the City Record, one supplement to each Borough, and sold at a uniform price of one dollar for each supplement. The City has no adequate means of advertising such publications, and many persons who would have been glad to have obtained the maps were unaware of their publication. This year an arrangement has been made with the "Record and Guide" by which this real estate paper will publish without expense to the City all the maps for the whole City in one supplement, which will be given to each subscriber to the "Record and Guide" without additional charge. The "Record and Guide" will furnish to this Department free a limited number of copies, and will sell to the public at the price of one dollar for the whole City. We are satisfied that this will save money, will insure a larger circulation and a distribution among those who can benefit the Department by their criticism and advice. These maps are prepared by the Department to show the value per front foot of inside lots 100 feet deep on each side of every block in every Borough and the value per acre of unplotted land. The purpose of the maps is to aid in the assessment by presenting to the view of the Assessor all of his territory, with comparable figures on every street; second, to aid the Commissioners in passing upon applications for reduction of assessed values, and, third, to enable the public to judge of the fairness of the assessment and to aid the Department by suggestions and criticisms.

Surveyor's Bureau.

Last year new tentative maps were made for the Fourth Ward of Queens, dividing the ward into blocks in the same manner as on the permanent land maps. This change will greatly facilitate the use by the public of the maps of the Department. Until owners become accustomed to the new map it would be difficult for them to make locations, and a map has been prepared which shows the location of the filed property maps formerly used for assessment purposes, with the corresponding block numbers on the new maps. By the use of this map the new block and lot numbers can readily be ascertained when the old numbers are known, and the old numbers can be ascertained when the new numbers are known. Still further to facilitate the location of property, an Information Bureau has been established in the Department office in the Borough of Queens and skilled Clerks are ready at all times to locate property on the new maps.

Organization of the Department.

In our report last year we published an outline of the organization of the Department and the assignment of the Deputies to the several Bureaus. This has been helpful in informing the public as to the methods and work of the Department, and it is repeated this year.

Analysis of the Cost of the Real Estate Bureau.

We have added this year an analysis of the cost of the Real Estate Bureau. Ninety-six per cent. of the total assessment of property upon the rolls for 1911 is real estate. Four per cent. of the total is personalty. The efficiency and economy of the Real Estate Bureau is, therefore, the real test of the departmental work. From this analysis it appears that the cost of assessing each separate parcel of real estate is 81 cents, in which is included the cost of administration, supervision of the work, supplies and contingencies, the cost of the Surveyor's Bureau, the review of applications for reduction of assessments and the cost of preparing the tax rate and extending the tax against 515,849 separate parcels. When these different charges not directly connected with the active work of assessment are eliminated, it is found that the cost per parcel is 44 cents.

Personal Property.

The general impression appears to prevail with the taxpayers and the public that all personal property is taxable and is to be assessed by this Department. In consequence of this impression, much that is untrue or misleading is published concerning the work of this Department in making personal assessments. While nearly all personal property is taxable either directly or indirectly, very little remains which is assessable locally. So much personal property as is locally assessable is taxable only after deducting the debts of the owners.

Bank shares are assessed locally, but are not subject to the general property tax, and the aggregate assessment does not appear as part of the general personal property. The assessed value of bank shares is over three and one-quarter millions of dollars. Trust company assets are taxable to the same degree as bank assets, but are not assessable locally. Shares of banks are not taxed directly, but indirectly. The property of corporations is taxed where located, and the shares which represent the property are not taxed in the hands of individual holders. Debts secured by mortgage on real estate in the State of New York are taxable through the Recording Tax Act, and are only assessable locally if not registered and the tax prepaid. Bonds and other evidences of debt otherwise secured than by mortgage on real property in the State of New York are taxable for State purposes by chapter 802 of the Laws of 1911, and such evidences of debt are only taxable locally if the tax has not been prepaid. Such personal property as remains taxable locally consists almost exclusively of household goods, merchandise, mercantile credits and cash on hand and on deposit; against such taxable property debts may be offset. Debts owed, secured by mortgage in the State of New York amount probably to five billion dollars, and debts owed to banks and trust companies in The City of New York amount to two and a half billion dollars. All of this enormous debt is potentially available as an offset to taxable personal property. Under these conditions it would be surprising if the Tax Department were able to assess a greater amount than is actually held for taxation.

Legislation.

The legislation of 1911 affecting taxation has been greater in volume and more important than for many preceding years. Not many of the acts referred to directly affect the administration of the Tax Law by this Department, but their indirect result upon The City of New York will be very great.

The Utica Tax Conference, held in January, 1911, was the first conference in New York State wholly devoted to the consideration of tax matters. It was a successful conference and very representative; more than one-half the counties of the State, many cities, villages, State Departments and Boards of Trade and universities were represented. The conference adopted a series of resolutions dealing with various phases of the administration of the Tax Law. Following the adjournment of the conference, bills to carry out changes advocated in these resolutions were introduced into the Legislature, and most of them were enacted into law.

It is now provided by chapter 117, of 1911, that the assessment roll in all the cities of the State shall separate the value of the land wholly improved from the total value, and thus show the separate assessment of the land and the improvements upon the land, in this respect conforming to the provisions of the New York Charter, which has been in force since 1903.

The form of the tax rolls in the towns of the State has been changed by chapter 315, so that hereafter the assessment against the land will be *in rem*, as is the case in The City of New York. Further improvement in assessment work in the country is provided for in the provisions of chapter 116, requiring the Assessors in each town to act as a Board and by chapter 801, which lays down a uniform rule for county equalization to be followed by all Boards of Supervisors. This new rule conforms to the rule in use by the State Board of Tax Commissioners. All of these changes are in the line of more accurate, intelligent assessment, and tend to make investigation and comparison by taxpayers more simple and easy.

The State Board of Tax Commissioners has been empowered by chapter 120 to make its biennial visits to the counties by one Commissioner, instead of two. This affords a needed relief to the Board. One of the most important changes has been effected by chapter 804, under which the State Board will hereafter equalize the assessments of special franchises before certifying them to the various Local Boards. This will abolish a grievous scandal in administration which had grown to great dimensions. Heretofore the State Board has certified its assessments of special franchises at full value and each corporation and person so assessed has been obliged to apply for a writ of certiorari to obtain a reduction to the average rate of assessment of other real estate in the same district. Besides needlessly consuming the time of the Courts, the assessing boards and the public service corporations, this practice has the unfortunate result of dislocating local finances by putting each special franchise assessment on the roll at a sum greater than the equalized value on which the tax is to be paid. This automatically created a deficit in the tax receipts. The change provided by chapter 804 will remove this continuing cause of disturbance.

The statistics relating to assessed valuations and general statistics of finance and revenue have been in a most unsatisfactory condition up to 1911. The State Board of Tax Commissioners and the Comptroller have collected and published such data as they have had power to collect, but that has been little, and the results have been unsatisfactory. Under chapters 118 and 119 changes have been made in the law which have enlarged their powers, and under which we shall hereafter have prepared and published statistics of all municipalities relating to assessment and revenue.

In addition to the above administrative changes, there have been passed two laws of great importance—the new Inheritance Tax Law (chapter 732) and the new Secured Debts Law (chapter 802). These directly affect The City of New York, because they will affect many of our citizens who have been considering changing their residences to other States or to places outside of the City.

The Inheritance Tax Law has liberal exemptions on individual bequests and moderate graded rates on direct bequests and slightly higher graded rates on collateral bequests. Intangible property belonging to non-residents is not taxable under the new law, and in this way the great evil of double taxation has been abolished so far as the State of New York is concerned. Bequests to educational, charitable and religious purposes outside of the State have been put on the same basis as those within the State, and have been exempted from the tax.

The Secured Debts Law carefully defines what is meant by "secured debts." Briefly, it may be said to include all permanent investments in mortgages or corporate securities, which would be taxable under the mortgage recording tax if they were on property within the State or are of such a nature as to be grouped in the public mind in the same category of permanent investments. The half per cent. stamp tax is a prepayment of tax, and on such payment exempts from future local taxation.

These two laws—the Inheritance Tax Law and the Secured Debts Law—are expected to result in keeping many of our wealthy men as residents of this City and State who before the passage of these laws were seriously contemplating removing their residence beyond our jurisdiction.

LAWSON PURDY, CHAS. T. WHITE, CHAS. J. McCORMACK, DANIEL S. McELROY, JOHN J. HALLERAN, EDWARD KAUFMANN, JUDSON G. WALL, Commissioners.

ORGANIZATION OF THE DEPARTMENT.

General Administration—Board of Commissioners (1 President and 6 Commissioners), 1 Assistant to President, 6 Assistants to Commissioners, 6 Confidential Stenographers, 3 Messengers, 2 Office Attendants. Total salaries, \$84,700.

Secretary's Office—1 Secretary, 1 Assistant Secretary, 2 Clerks. Total salaries, \$9,450.

Real Estate Bureau—1 Chief Deputy, Real Estate; 1 Assistant Chief, 5 Deputies in Charge of Boroughs, 1 Deputy in Charge of Real Estate of Corporations, 67 Deputies assigned to Districts (Manhattan, 17; The Bronx, 11; Brooklyn, 20; Queens, 14; Richmond, 5), 6 Deputies assigned to apportionments and office duties (The Bronx, 1; Brooklyn, 2; Queens, 2; Richmond, 1), 65 Clerks assigned to District (Manhattan, 17; The Bronx, 11; Brooklyn, 20; Queens, 14; Richmond, 5; real estate of corporations, 2), 32 Office Clerks (Manhattan, 5; The Bronx, 6; Brooklyn, 8; Queens, 7; Richmond, 3; Chief Deputy's Office, 3; 5 Book Typewriters). Total salaries, \$297,000.

Personal Bureau—1 Chief Deputy, Personal Estate; 2 Assistant Chiefs (Corporations and Personal Assessments), 4 Deputies (Manhattan, 1; The Bronx, 1; Brooklyn, 2), 4 Chief Clerks (The Bronx, Brooklyn, Queens, Richmond), 21 Clerks, 7 Searchers. Total salaries, \$68,350.

Surveyor's Bureau—1 Surveyor, 3 Assistant Surveyors, 5 Draftsmen, 15 Topographical Draftsmen, 1 Bookbinder.

Under the Civil Service rules the Department is classified as follows:

Exempt—The President and Commissioners, the Assistants to the President and Commissioners, the Confidential Stenographers, the Secretary and the Chief Clerks.

Classified Service—The Assistant Secretary, the Chief Deputy of Real Estate, the Chief Deputy of Personal Estate, the Deputy Tax Commissioners, Clerks, Searchers,

Messengers and Office Attendants, Surveyor, Assistant Surveyors, Draftsmen, Topographical Draftsmen and Bookbinder.

There are 500,276 separately assessed parcels of real property, making an average of 7,908 for each Deputy assigned to an assessment district.

The salary of the Chief Deputy of Real Estate is \$7,000; of the Chief Deputy of Personal Estate, \$4,000.

The average of the salaries of the Assistant Chief Deputy of Real Estate, the five Deputies in charge of Boroughs, the Deputy in charge of real estate of corporations, the Assistant Chiefs of Personal Estate in charge of corporations and personal assessments is \$3,388.

The salaries of Deputy Tax Commissioners range from \$1,800 to \$3,000 (two ex-Chiefs of Bureaus at \$3,500), and the average for the 79 Deputies is \$2,190.

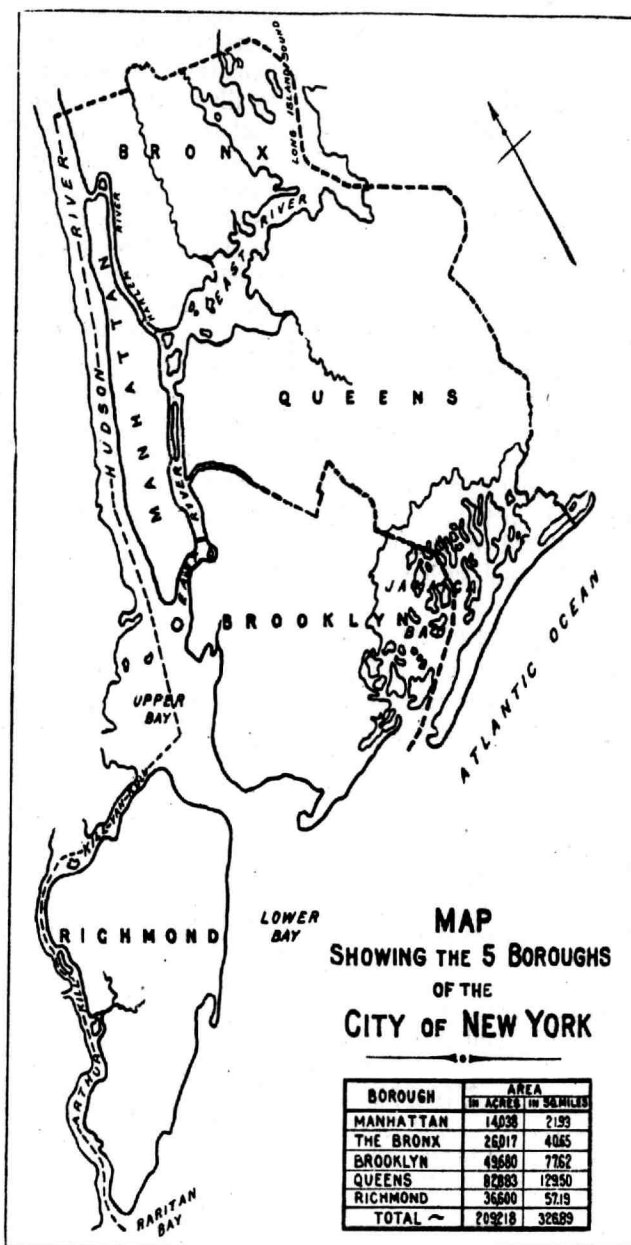
The salaries of Clerks in the Real Estate Bureau range from \$420 to \$1,800 and the average is \$1,130.

The salaries of the Clerks in the Personal Bureau range from \$600 to \$1,800 and the average for the 21 Clerks is \$1,300.

The average salary of Searchers is \$1,243.

The average salaries in the Surveyor's Bureau are:

Assistant Surveyors, average.....	\$3,000 00
Draftsmen, average.....	2,040 00
Topographical Draftsmen, average.....	1,453 00
Bookbinder	1,350 00



THE CITY OF NEW YORK.
Real Estate Values—Per Capita.

Borough of Manhattan.

	Estimated Population July 1.	Ordinary Land Value.	Per Capita.	Improvements.	Per Capita.	Special Franchises.	Per Capita.	Real Estate of Corporations.	Per Capita.	Total Real Estate.	Total Per Capita.
1906.....	2,174,335	\$2,600,140,211 00	\$1,196 00	\$1,222,244,370 00	\$562 00	\$268,565,750 00	\$123 00	\$14,401,590 00	\$7 00	\$4,105,352,281 00	\$1,888 00
1907.....	2,232,828	2,707,862,301 00	1,213 00	1,327,389,000 00	595 00	336,346,500 00	150 00	20,373,150 00	9 00	4,391,970,951 00	1,967 00
1908.....	2,292,894	2,807,194,281 00	1,225 00	1,400,469,150 00	610 00	346,569,200 00	151 00	30,303,800 00	13 00	4,584,536,431 00	1,999 00
1909.....	2,354,576	2,829,746,871 00	1,201 00	1,432,806,215 00	608 00	334,299,800 00	142 00	17,593,400 00	8 00	4,614,446,286 00	1,958 00
1910.....	2,417,917	2,905,201,140 00	1,201 00	1,485,592,795 00	614 00	328,012,100 00	136 00	25,110,750 00	10 00	4,743,916,785 00	1,962 00
1911.....	2,389,204	3,114,812,658 00	1,303 00	1,517,740,852 00	636 00	324,651,100 00	136 00	80,668,075 00	33 00	5,037,872,685 00	2,108 00

Borough of The Bronx.

	Estimated Population July 1.	Ordinary Land Value.	Per Capita.	Improvements.	Per Capita.	Special Franchises.	Per Capita.	Real Estate of Corporations.	Per Capita.	Total Real Estate.	Total Per Capita.
1906.....	290,097	\$208,970,612 00	\$721 00	\$113,438,965 00	\$392 00	\$13,992,000 00	\$49 00	\$19,378,025 00	\$63 00	\$355,779,602 00	\$1,225 00
1907.....	308,256	216,060,946 00	701 00	133,671,059 00	433 00	21,521,000 00	70 00	25,434,725 00	82 00	396,687,730 00	1,286 00
1908.....	327,553	242,925,919 00	742 00	149,152,774 00	455 00	23,610,300 00	72 00	25,339,725 00	78 00	441,228,718 00	1,347 00
1909.....	348,057	251,690,025 00	723 00	158,606,258 00	456 00	23,209,400 00	66 00	29,198,325 00	84 00	462,704,008 00	1,329 00
1910.....	369,845	265,774,738 00	718 00	176,692,656 00	477 00	20,076,100 00	54 00	31,214,425 00	84 00	493,757,919 00	1,335 00
1911.....	483,224	330,679,808 00	684 00	210,065,550 00	435 00	27,443,600 00	56 00	37,033,975 00	77 00	605,222,933 00	1,252 00

Borough of Brooklyn.

	Estimated Population July 1.	Ordinary Land Value.	Per Capita.	Improvements.	Per Capita.	Special Franchises.	Per Capita.	Real Estate of Corporations.	Per Capita.	Total Real Estate.	Total Per Capita.
1906.....	1,404,569	\$456,313,602 00	\$325 00	\$536,463,595 00	\$382 00	\$68,787,750 00	\$49 00	\$10,442,225 00	\$7 00	\$1,072,007,172 00	\$763 00
1907.....	1,448,095	485,913,085 00	336 00	586,113,300 00	405 00	95,311,300 00	66 00	13,884,225 00	9 00	1,181,221,910 00	816 00
1908.....	1,492,970	576,647,240 00	386 00	633,642,020 00	425 00	103,800,150 00	69 00	20,675,425 00	14 00	1,334,864,835 00	894 00
1909.....	1,539,235	584,521,230 00	380 00	655,202,810 00	425 00	98,976,500 00	65 00	16,109,300 00	10 00	1,354,809,840 00	880 00
1910.....	1,586,934	596,150,739 00	375 00	690,223,682 00	435 00	100,218,200 00	63 00	17,443,900 00	11 00	1,404,036,521 00	884 00
1911.....	1,710,861	794,148,607 00	464 00	761,633,876 00	445 00	109,940,300 00	64 00	23,448,500 00	14 00	1,689,171,283 00	987 00

Borough of Queens.

	Estimated Population July 1.	Ordinary Land Value.	Per Capita.	Improvements.	Per Capita.	Special Franchises.	Per Capita.	Real Estate of Corporations.	Per Capita.	Total Real Estate.	Total Per Capita.
1906.....	209,686	\$81,270,450 00	\$388 88	\$65,144,845 00	\$310 00	\$8,333,300 00	\$40 00	\$4,697,610 00	\$22 00	\$159,446,205 00	\$760 00
1907.....	220,836	123,585,700 00	560 00	74,354,150 00	337 00	11,698,700 00	52 00	8,030,225 00	37 00	217,668,775 00	986 00
1908.....	232,580	182,629,206 00	785 00	88,111,404 00	379 00	15,902,070 00	68 00	9,816,300 00	42 00	296,458,980 00	1,274 00
1909.....	244,947	185,899,546 00	760 00	96,557,609 00	394 00	14,876,700 00	60 00	10,778,750 00	44 00	308,112,605 00	1,258 00
1910.....	257,973	200,180,317 00	776 00	107,770,243 00	417 00	14,917,800 00	57 00	11,695,600 00	45 00	334,563,960 00	1,296 00
1911.....	310,523	276,089,172 00	889 00	131,268,935 00	423 00	16,400,400 00	53 00	22,810,845 00	73 00	446,569,352 00	1,438 00

Borough of Richmond.

	Estimated Population July 1.	Ordinary Land Value.	Per Capita.	Improvements.	Per Capita.	Special Franchises.	Per Capita.	Real Estate of Corporations.	Per Capita.	Total Real Estate.	Total Per Capita.
1906.....	74,173	\$20,538,871 00	\$277 00	\$21,887,589 00	\$295 00	\$1,800,500 00	\$24 00	\$1,675,025 00	\$22 00	\$45,901,985 00	\$618 00
1907.....	75,420	25,471,922 00	337 00	23,588,189 00	313 00	1,977,500 00	26 00	1,893,625 00	25 00	52,931,236 00	701 00
1908.....	76,688	33,768,951 00	441 00	26,959,174 00	351 00	2,508,750 00	32 00	2,089,950 00	27 00	65,326,825 00	851 00
1909.....	77,977	33,869,535 00	434 00	28,452,280 00	365 00	2,639,500 00	34 00	2,145,650 00	28 00	67,106,965 00	861 00
1910.....	79,287	33,822,717 00	426 00	29,926,972 00	378 00	2,185,400 00	27 00	1,982,400 00	25 00	67,917,489 00	856 00
1911.....	89,573	40,195,031 00	448 00	34,691,280 00	388 00	2,582,700 00	28 00	2,534,900 00	28 00	80,003,911 00	892 00

All Boroughs.

	Estimated Population July 1.	Ordinary Land Value.	Per Capita.	Improvements.	Per Capita.	Special Franchises.	Per Capita.	Real Estate of Corporations.	Per Capita.	Total Real Estate.	Total Per Capita.
1906.....	4,152,800	\$3,367,233,746 00	\$811 00	\$1,959,179,364 00	\$472 00	\$361,479,300 00	\$87 00	\$50,594,835 00	\$12 00	\$5,738,487,245 00	\$1,382 00
1907.....	4,285,435	3,558,893,954 00	830 00	2,145,115,698 00	501 00	466,855,000 00	109 00	69,615,950 00	16 00	6,240,480,602 00	1,456 00
1908.....	4,422,685	3,843,165,597 00	869 00	2,298,334,522 00	519 00	492,490,470 00	111 00	88,425,200 00	20 00	6,722,415,789 00	1,519 00
1909.....	4,564,792	3,885,727,207 00	851 00	2,371,625,172 00	519 00	474,001,900 00	104 00	75,825,425 00	16 00	6,807,179,704 00	1,491 00
1910.....	4,711,956	4,001,129,651 00	849 00	2,490,206,348 00	528 00	465,409,600 00	98 00	87,447,075 00	17 00	7,044,192,674 00	1,494 00
1911.....	4,983,385	4,555,925,277 00	915 00	2,655,400,492 00	533 00	481,018,100 00	96 00	166,496,295 00	33 00	7,858,840,164 00	1,577 00

Note—The estimates of population are from the figures of the Health Department.
Increase in Estimated Population.

	1906-1907.	1907-1908.	1908-1909.	1909-1910.	1910-1911.
Manhattan.....	57,493	60,066	61,682	63,341	28,713
The Bronx.....	18,159	19,297	20,504	21,788	113,379
Brooklyn.....	43,526	44,875	46,265	47,699	123,927
Queens.....	11,150	11,744	12,367	13,026	52,550
Richmond.....	1,247	1,268	1,289	1,300	10,286
All Boroughs..	131,575	137,250	142,107	147,164	271,429

Analysis of the Cost of the Real Estate Bureau.

(Payroll of the Bureau.)

Chief Deputy and Assistant Chief Deputy.....	\$10,500 00
3 Clerks.....	4,500 00
Manhattan—	
18 Deputies.....	\$41,900 00
24 Clerks.....	25,860 00
The Bronx—	
13 Deputies.....	\$29,600 00
17 Clerks.....	18,200 00
Brooklyn—	
23 Deputies.....	\$46,450 00
30 Clerks.....	29,250 00
Queens—	
17 Deputies.....	\$37,600 00
21 Clerks.....	21,090 00
Richmond—	
7 Deputies.....	\$16,750 00
8 Clerks.....	9,900 00
Real Estate of Corporations—	
1 Deputy.....	\$3,500 00
2 Clerks.....	1,950 00
Surveyor's Bureau—	
Surveyor.....	\$7,000 00
3 Assistant Surveyors, 4 Draftsmen, 15 Topographical Draftsmen, 2 Bookbinders.....	44,750 00
Cost of the General Administration.....	\$84,700 00
Cost of the Secretary's office.....	9,450 00
Cost of contingencies, supplies, etc.....	15,000 00
One-third of the time of the General Administration and the Secretary's office is devoted to the work of the Personal Bureau, two-thirds to the work of the Real Estate Bureau. Two-thirds of \$107,650.....	\$72,766 66
Chief Deputy and his staff.....	15,000 00
Real estate of corporations.....	5,450 00
Surveyor's Bureau.....	51,750 00
	\$144,966 66

Number of Separately Assessed Parcels.

	Number of Separately Assessed Parcels.	Per Cent. of Total.
Manhattan.....	96,838	19
The Bronx.....	62,243	12
Brooklyn.....	202,521	40
Queens.....	123,602	23
Richmond.....	30,645	6
	515,849	100
Manhattan—		
Borough payroll.....	\$67,760 00	
19 per cent. of \$144,966.....	27,543 00	
	\$95,303 00	

96,838 parcels—cost per parcel, 98 cents.

The Bronx—	
Borough payroll.....	\$47,810 00
12 per cent. of \$144,966.....	17,395 00
	65,205 00

62,243 parcels—cost per parcel, \$1.04.

Brooklyn—	
Borough payroll.....	\$75,700 00
40 per cent. of \$144,966.....	57,986 00
	133,686 00

202,521 parcels—cost per parcel, 66 cents.

Queens—	
Borough payroll.....	\$58,690 00
23 per cent. of \$144,966.....	33,342 00
	92,032 00

123,602 parcels—cost per parcel, 74 cents.

Richmond—	
Borough payroll.....	\$26,650 00
6 per cent. of \$144,966.....	8,697 00
	35,347 00

30,645 parcels—cost per parcel, \$1.12.

All boroughs.....	\$421,573 00
Borough payroll.....	\$297,060 00
Cost of administration.....	124,513 00
	421,573 00

515,849 parcels—cost per parcel, 81 cents.

Analysis of Cost Per Parcel.

	Cents.
\$93,216 00 Cost of General Administration, Secretary's office, and Contin- gencies.....	18
49,510 00 Making tax roll and extending tax.....	9
51,750 00 Cost of Surveyor's Bureau.....	10
	37
227,097 00 Leaving as the actual cost of assessment and making of assess- ment roll.....	44
	81

Cost of Assessment per \$1,000,000.

Manhattan.....	\$20 00	Queens.....	216 00
The Bronx.....	112 00	Richmond.....	459 00
Brooklyn.....	84 00		

Average for City, \$57.

Average Assessed Value per Parcel.

Manhattan.....	\$47,838 00	Queens.....	3,488 00
The Bronx.....	9,282 00	Richmond.....	2,526 00
Brooklyn.....	7,769 00		

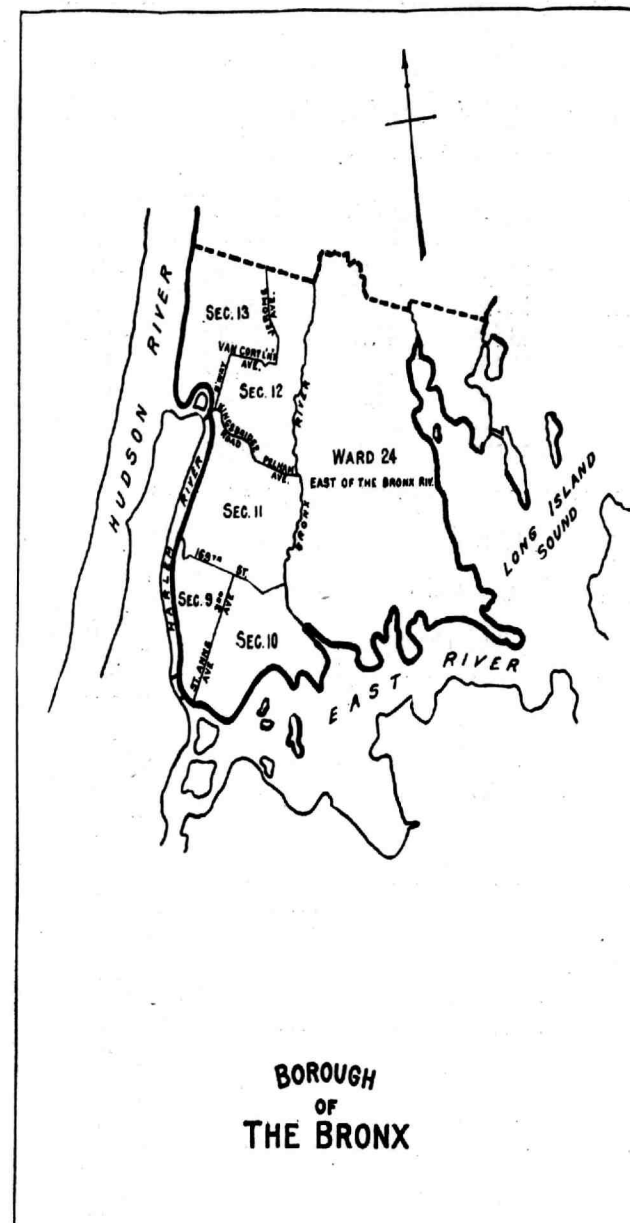
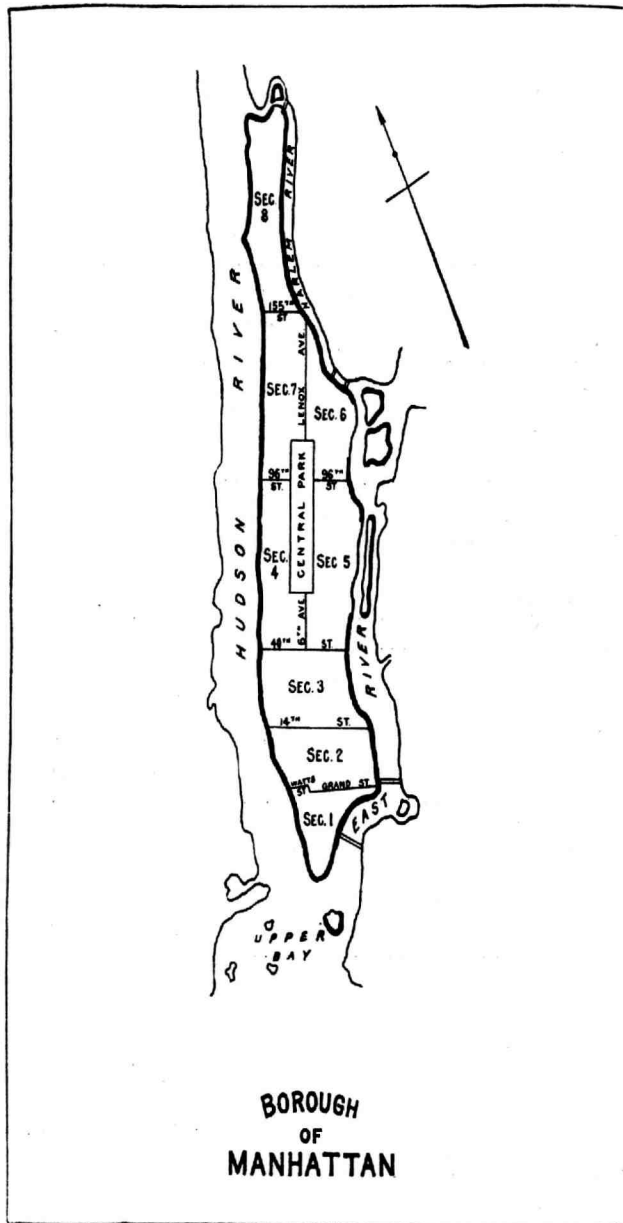
Average for City, \$15,234.

COMPARATIVE STATEMENT OF LAND AND IMPROVEMENT VALUES, ASSESSMENT OF 1908, 1909, 1910, 1911.

Ordinary Real Estate, Exclusive of Special Franchises and Real Estate of Corporations, All Boroughs.

	Assessed Value, 1908.	Per Cent. Land Value of Total Value, 1908.	Assessed Value, 1909.	Per Cent. Land Value of Total Value, 1909.	Assessed Value, 1910.	Per Cent. of Land Value.	Assessed Value, 1911.	Per Cent. of Land Value.	Increase, 1908-'09.	Per Cent. of Increase, 1908-'09.	Increase, 1909-'10.	Per Cent. of Increase, 1909-'10.	Increase, 1910-'11.	Per Cent. of Increase, 1910-'11.
Manhattan—														
Taxable land..	\$2,807,194,281	66.7	\$2,829,746,871	66.4	\$2,905,201,140	66.1	\$3,114,812,658	67.2	\$22,552,590	0.8	\$75,454,269	2.6	\$209,611,518	7.2
Improvements.	1,400,469,150	....	1,432,806,215	....	1,485,592,795	....	1,517,740,852	....	32,337,065	2.3	52,786,580	3.6	32,148,057	2.1
Total.....	\$4,207,663,431		\$4,262,553,086		\$4,390,793,935		\$4,632,553,510		\$54,889,655		\$128,240,849		\$241,759,575	5.5

	Assessed Value, 1908.	Per Cent. Land Value of Total Value, 1908.	Assessed Value, 1909.	Per Cent. Land Value of Total Value, 1909.	Assessed Value, 1910.	Per Cent. of Land Value.	Assessed Value, 1911.	Per Cent. of Land Value.	Increase, 1908-'09.	Per Cent. of Increase, 1908-'09.	Increase, 1909-'10.	Per Cent. of Increase, 1909-'10.	Increase, 1910-'11.	Per Cent. of Increase, 1910-'11.
The Bronx—														
Taxable land..	\$242,925,919	62.0	\$251,690,025	61.3	\$265,774,738	60.0	\$330,679,808	61.1	\$8,764,106	3.6	\$14,084,713	5.6	\$64,905,070	24.2
Improvements.	149,152,774	....	158,606,258	....	176,692,656	....	210,065,550	....	9,453,484	6.3	18,086,398	11.3	33,372,894	13.2
Total.....	\$392,078,693		\$410,296,283		\$442,467,394		\$540,745,358		\$18,217,590		\$32,171,111		\$98,277,964	22.4
Brooklyn—														
Taxable land..	\$576,647,240	47.6	\$584,521,230	47.2	\$596,150,739	46.3	\$794,148,607	51.0	\$7,873,990	1.3	\$11,629,509	1.9	\$197,997,868	33.2
Improvements.	633,642,020	....	655,202,810	....	690,223,682	....	761,633,876	....	21,560,790	3.4	35,020,872	5.3	71,410,194	10.3
Total.....	\$1,210,289,260		\$1,239,724,040		\$1,286,374,421		\$1,555,782,483		\$29,434,780		\$46,650,381		\$269,408,062	20.9
Queens—														
Taxable land..	\$182,629,206	67.4	\$185,899,546	65.8	\$200,180,317	65.0	\$276,089,172	67.7	\$3,270,340	1.8	\$14,280,771	7.6	\$75,908,855	37.9
Improvements.	88,111,404	....	96,557,609	....	107,770,243	....	131,268,935	....	8,446,205	9.5	11,212,634	11.6	23,498,692	21.8
Total.....	\$270,740,610		\$282,457,155		\$307,950,560		\$407,358,107		\$11,716,545		\$25,493,405		\$99,407,547	32.3
Richmond—														
Taxable land..	\$33,768,951	55.6	\$33,869,535	54.3	\$33,822,717	53.0	\$40,195,031	53.6	\$100,584	0.3	—\$46,818	—0.1	\$6,372,314	18.9
Improvements.	26,959,174	....	28,452,280	....	29,926,972	....	34,691,280	....	1,493,106	5.5	1,474,692	5.1	4,764,308	15.9
Total.....	\$60,728,125		\$62,321,815		\$63,749,689		\$74,886,311		\$1,593,690		\$1,427,874		\$11,136,622	17.4
All Boroughs—														
Taxable land..	\$3,843,165,597	62.6	\$3,885,727,207	62.1	\$4,001,129,651	61.6	\$4,555,925,277	63.2	\$42,561,710	1.1	\$115,402,444	2.9	\$554,795,626	13.3
Improvements.	2,298,334,522	....	2,371,625,172	....	2,490,206,348	....	2,655,400,492	....	73,290,550	3.1	118,581,176	4.9	165,194,144	6.6
Total.....	\$6,141,500,119		\$6,257,352,379		\$6,491,335,999		\$7,211,325,769		\$115,852,260		\$233,983,620		\$719,989,770	11.9



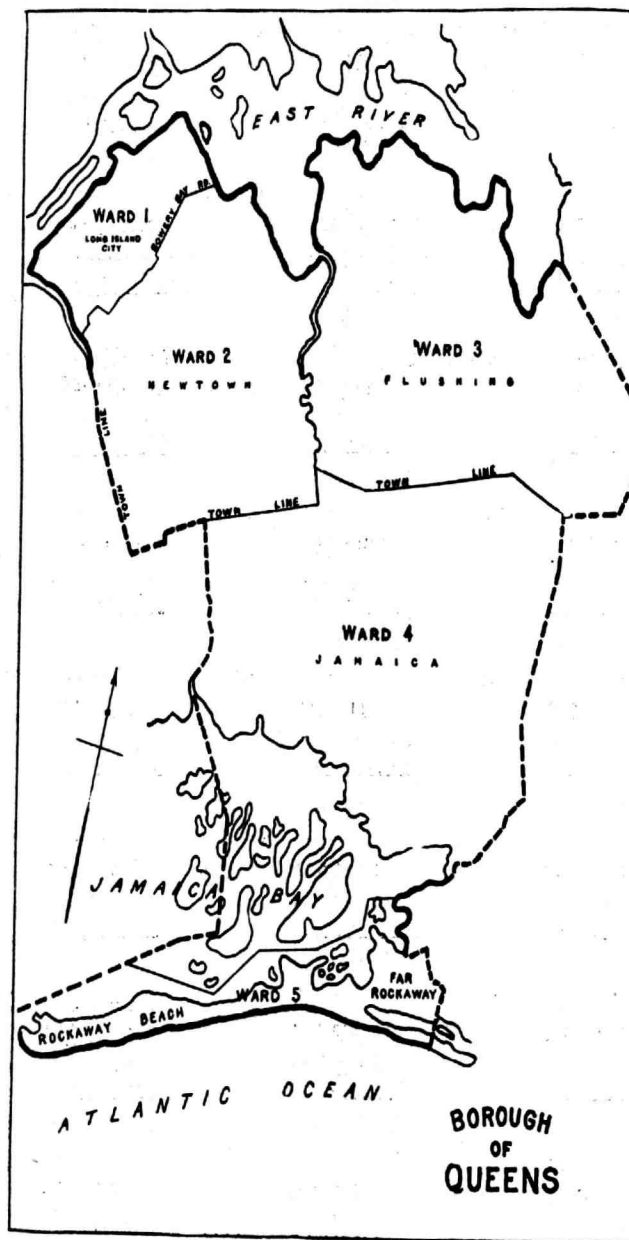
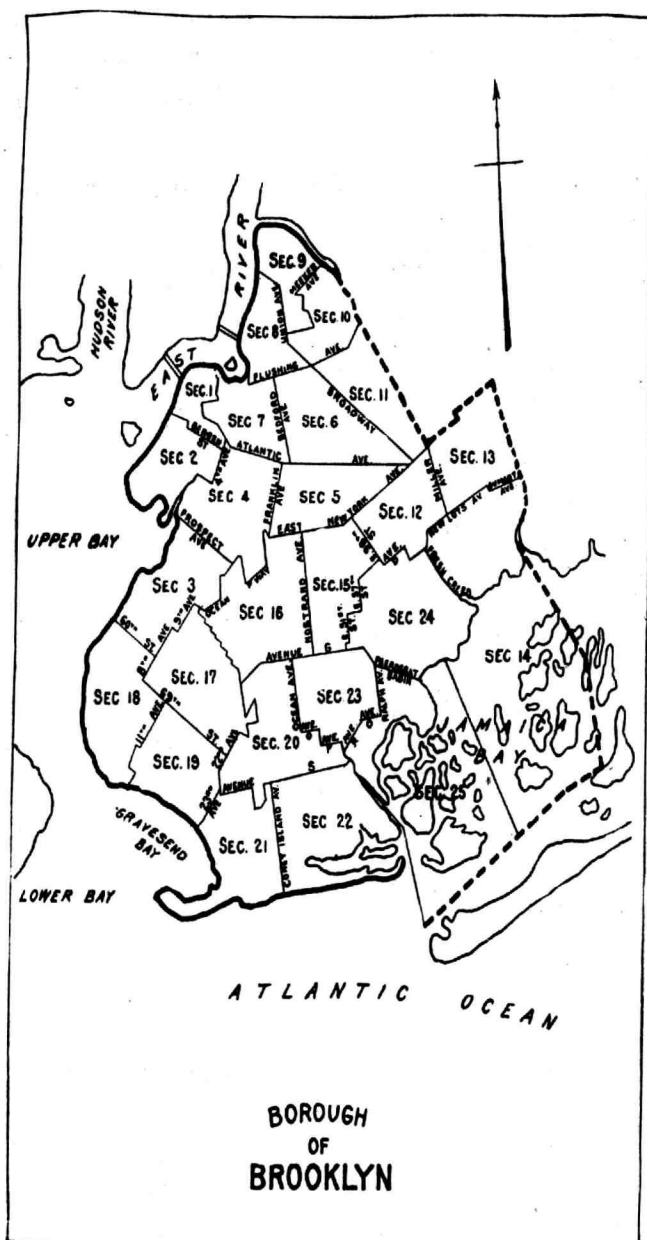
Ordinary Real Estate, Exclusive of Special Franchises, and Real Estate of Corporations, Borough of Manhattan.

	Assessed Value, 1908.	Per Cent. Land Value of Total Value, 1908.	Assessed Value, 1909.	Per Cent. Land Value of Total Value, 1909.	Assessed Value, 1910.	Per Cent. of Land Value.	Assessed Value, 1911.	Per Cent. of Land Value.	Increase, 1908-'09.	Per Cent. of Increase, 1908-'09.	Increase, 1909-'10.	Per Cent. of Increase, 1909-'10.	Increase, 1910-'11.	Per Cent. of Increase, 1910-'11.
Section 1—														
Taxable land..	\$510,281,150	68.2	\$522,493,850	69.9	\$526,345,660	68.4	\$545,320,350	69.8	\$12,212,700	2.2	\$3,851,810	0.7	\$18,974,690	3.6
Improvements.	238,073,290	....	239,390,040	....	242,298,790	....	238,388,810	....	1,316,750	0.6	2,908,750	1.2	*3,909,980	*1.2
Total.....	\$748,354,440		\$761,883,890		\$768,644,450		\$783,709,160		\$13,529,450		\$6,760,560		\$15,064,710	1.9
Section 2—														
Taxable land..	\$345,318,910	65.4	\$344,457,510	65.4	\$345,883,210	65.6	\$347,516,360	65.4	*\$861,400	*0.2	\$1,425,700	0.4	\$1,633,150	.4
Improvements.	182,574,900	....	182,394,750	....	180,831,350	....	183,644,000	....	*\$180,150	*0.1	*\$1,563,400	*0.8	2,812,650	1.5
Total.....	\$527,893,810		\$526,852,260		\$526,714,560		\$531,160,360		*\$1,041,550		\$137,700		\$4,445,800	0.8
Section 3—														
Taxable land..	\$643,256,600	73.0	\$646,766,125	72.2	\$666,300,815	71.3	\$737,838,648	72.4	\$3,509,525	0.5	\$19,543,690	3.0	\$71,537,833	10.7
Improvements.	238,078,250	....	248,553,725	....	267,348,035	....	280,576,352	....	10,475,475	4.4	18,794,310	7.5	13,228,317	4.9
Total.....	\$881,334,850		\$895,319,850		\$933,648,850		\$1,018,415,000		\$13,985,000		\$38,329,000		\$84,766,150	9.0
Section 4—														
Taxable land..	\$352,022,300	64.2	\$354,258,000	63.7	\$372,512,850	63.9	\$406,171,800	65.3	\$2,235,700	0.6	\$18,254,850	5.1	\$33,658,950	9.0
Improvements.	196,329,450	....	201,649,000	....	210,319,350	....	215,314,550	....	5,319,550	2.6	8,670,350	4.2	4,995,200	2.3
Total.....	\$548,351,750		\$555,907,000		\$582,832,200		\$621,486,350		\$7,555,250		\$26,925,200		\$38,654,150	6.6
Section 5—														
Taxable land..	\$555,742,950	68.2	\$554,896,350	68.9	\$566,625,200	68.8	\$586,261,790	67.4	*\$846,600	*0.1	\$11,728,850	2.1	\$19,636,590	3.5
Improvements.	243,960,950	....	249,769,700	....	256,666,450	....	\$267,606,640	....	5,808,750	2.3	6,896,750	2.7	10,940,190	4.2
Total.....	\$799,703,900		\$804,666,050		\$823,291,650		\$853,868,430		\$4,962,150		\$18,625,600		\$30,576,780	3.7
Section 6—														
Taxable land..	\$145,079,330	55.5	\$144,805,225	55.7	\$144,495,405	55.4	\$156,788,650	59.0	*\$274,105	*0.2	*\$309,820	*0.2	\$12,293,245	8.5
Improvements.	116,076,220	....	114,932,100	....	116,225,220	....	108,962,700	....	*\$1,144,120	*1.0	1,293,120	1.0	—7,262,520	—6.2
Total.....	\$261,155,550		\$259,737,325		\$260,720,625		\$265,751,350		*\$1,418,225		\$983,300		\$5,030,725	1.9
Section 7—														
Taxable land..	\$193,158,191	54.0	\$198,815,111	53.3	\$210,611,120	53.7	\$251,495,420	57.7	\$5,656,920	2.9	\$11,796,009	5.9	\$40,884,300	19.4
Improvements.	168,095,440	....	174,186,700	....	181,099,650	....	183,674,400	....	6,091,260	3.6	6,912,950	3.3	2,574,750	1.4
Total.....	\$361,253,631		\$373,001,811		\$391,710,770		\$435,169,820		\$11,748,180		\$18,708,959		\$43,459,050	11.0
Section 8—														
Taxable land..	\$62,334,850	78.3	\$63,254,700	74.2	\$72,426,880	70.1	\$83,419,640	67.8	\$919,850	1.4	\$9,172,180	14.5	\$10,992,760	15.0
Improvements.	17,280,650	....	21,930,200	....	30,803,950	....	39,573,400	....	4,649,550	26.9	8,873,750	40.4	8,769,450	28.4
Total.....	\$79,615,500		\$85,184,900		\$103,230,830		\$122,993,040		\$5,569,400		\$17,045,930		\$19,762,210	19.1
All Sections—														
Taxable land..	\$2,807,194,281	66.7	\$2,829,746,871	66.4	\$2,905,201,140	66.1	\$3,114,812,658	67.2	\$22,552,590	0.8	\$75,454,269	2.6	\$209,611,518	7.2
Improvements.	1,400,469,150	....	1,432,806,215	....	1,485,592,795	....	1,517,740,852	....	32,337,065	2.3	52,786,580	3.6	32,148,057	2.1
Total.....	\$4,207,663,431		\$4,262,553,086		\$4,390,793,935		\$4,632,553,510		\$54,889,655		\$128,240,849		\$241,759,575	5.5

*Decrease.

Ordinary Real Estate, Exclusive of Special Franchises, and Real Estate of Corporations, Borough of The Bronx.

	Assessed Value, 1908.	Per Cent. Land Value of Total Value, 1908.	Assessed Value, 1909.	Per Cent. Land Value of Total Value, 1909.	Assessed Value, 1910.	Per Cent. of Land Value.	Assessed Value, 1911.	Per Cent. of Land Value.	Increase, 1908-'09.	Per Cent. of Increase, 1908-'09.	Increase, 1909-'10.	Per Cent. of Increase, 1909-'10.	Increase, 1910-'11.	Per Cent. of Increase, 1910-'11.
Section 9—														
Taxable land..	\$57,545,955	53.6	\$59,200,635	53.5	\$62,284,855	53.6	\$70,756,605	55.2	\$1,654,680	2.8	\$3,084,220	5.2	\$8,471,750	13.6
Improvements..	49,801,900	....	51,430,480	....	53,713,275	....	57,267,750	....	1,628,580	3.2	2,282,795	4.4	3,554,475	6.6
Total.....	\$107,347,855		\$110,631,115		\$115,998,130		\$128,024,355		\$3,283,260		\$5,367,015		\$12,026,225	10.3
Section 10—														
Taxable land..	\$45,136,260	54.2	\$46,257,615	53.7	\$50,003,270	51.6	\$58,177,018	50.5	\$1,121,355	2.4	\$3,745,655	2.3	\$8,173,748	16.3
Improvements..	38,040,145	....	39,915,025	....	46,673,425	....	56,975,700	....	1,874,880	4.9	6,758,400	16.9	10,302,275	22.0
Total.....	\$83,176,405		\$86,172,640		\$96,676,695		\$115,152,718		\$2,996,235		\$10,504,055		\$18,476,023	19.1
Section 11—														
Taxable land..	\$68,432,112	65.2	\$68,812,697	62.0	\$70,423,647	59.2	\$92,863,508	59.7	\$380,585	0.5	\$1,610,950	2.3	\$22,439,861	31.8
Improvements..	38,616,500	....	42,125,085	....	48,949,850	....	62,489,525	....	3,508,585	8.5	6,824,765	16.2	13,539,675	27.6
Total.....	\$107,048,612		\$110,937,782		\$119,373,497		\$155,353,033		\$3,889,170		\$8,435,715		\$35,979,536	30.1
Section 12—														
Taxable land..	\$16,743,896	71.2	\$17,743,776	70.6	\$18,764,746	69.6	\$24,084,566	71.9	\$999,880	5.9	\$1,020,970	5.7	\$5,319,820	28.3
Improvements..	6,768,050	....	7,374,050	....	8,311,630	....	10,781,790	....	606,000	0.6	937,580	12.9	2,470,160	29.7
Total.....	\$23,511,946		\$25,117,826		\$27,076,376		\$34,866,356		\$1,605,880		\$1,958,550		\$7,789,980	28.7
Section 13—														
Taxable land..	\$6,495,605	77.4	\$8,057,070	80.0	\$9,774,400	82.0	\$15,817,095	84.9	\$1,561,465	24.0	\$1,717,330	21.3	\$6,042,695	61.8
Improvements..	1,890,800	....	2,011,250	....	2,142,250	....	2,795,375	....	120,450	6.3	131,000	6.5	653,125	30.4
Total.....	\$8,386,405		\$10,068,320		\$11,916,650		\$18,612,470		\$1,681,915		\$1,848,330		\$6,695,820	56.1
Ward 24 (East of Bronx River)—														
Taxable land..	\$48,572,091	77.5	\$51,618,232	76.6	\$54,523,820	76.8	\$68,981,016	77.7	\$3,046,141	6.3	\$2,905,588	5.6	\$14,457,196	26.5
Improvements..	14,035,379	....	15,750,368	....	16,902,226	....	19,755,410	....	1,714,989	12.2	1,151,858	7.3	2,853,184	16.9
Total.....	\$62,607,470		\$67,378,600		\$71,426,046		\$88,736,426		\$4,761,130		\$4,057,446		\$17,310,380	24.2
All Sections—														
Taxable land..	\$242,925,919	62.0	\$251,690,025	61.3	\$265,774,738	60.0	\$330,679,808	61.1	\$8,764,106	3.6	\$14,084,713	5.6	\$64,905,070	24.2
Improvements..	149,152,774	....	158,606,258	....	176,692,656	....	210,065,550	....	9,453,484	6.3	18,086,398	11.3	33,372,894	13.2
Total.....	\$392,078,693		\$410,296,283		\$442,467,394		\$540,745,358		\$18,217,590		\$32,171,111		\$98,277,964	22.2



Ordinary Real Estate, Exclusive of Special Franchises, and Real Estate of Corporations, Borough of Brooklyn.

	Assessed Value, 1908.	Per Cent. Land Value of Total Value, 1908.	Assessed Value, 1909.	Per Cent. Land Value of Total Value, 1909.	Assessed Value, 1910.	Per Cent. of Land Value.	Assessed Value, 1911.	Per Cent. of Land Value.	Increase, 1908-'09.	Per Cent. of Increase, 1908-'09.	Increase, 1909-'10.	Per Cent. of Increase, 1909-'10.	Increase, 1910-'11.	Per Cent. of Increase, 1910-'11.
Section 1—														
Taxable land..	\$60,519,760	53.4	\$60,919,160	52.4	\$61,098,035	52.7	\$83,726,925	57.3	\$399,400	0.5	\$178,875	0.2	\$22,628,890	36.1
Improvements..	52,787,920	....	53,374,240	....	54,712,435	....	62,470,740	....	586,320	1.1	1,338,195	2.5	7,758,305	14.1
Total.....	\$113,307,680		\$114,293,400		\$115,810,470		\$146,197,665		\$985,720		\$1,517,070		\$30,387,195	26.2
Section 2—														
Taxable land..	\$28,986,365	42.6	\$29,134,305	41.9	\$29,198,880	41.5	\$40,711,995	47.0	\$147,940	0.5	\$64,575	0.2	\$11,513,115	38.7
Improvements..	39,901,210	....	40,382,220	....	41,042,515	....	45,802,425	....	481,010	1.2	660,295	1.6	4,759,910	11.5
Total.....	\$68,887,575		\$69,516,525		\$70,241,395		\$86,514,420		\$628,950		\$724,870		\$16,273,025	23.1
Section 3—														
Taxable land..	\$27,556,940	43.1	\$27,657,275	42.3	\$28,123,160	41.3	\$42,672,135	47.6	\$100,335	0.4	\$465,885	1.7	\$14,548,975	51.7
Improvements..	36,349,210	....	37,655,195	....	39,919,935	....	46,843,250	....	1,305,985	3.6	2,264,740	5.9	6,923,315	17.3
Total.....	\$63,906,150		\$65,312,470		\$68,043,095		\$89,515,385		\$1,406,320		\$2,730,625		\$21,472,290	31.5
Section 4—														
Taxable land..	\$41,091,525	40.6	\$40,716,870	39.9	\$40,928,130	39.2	\$54,568,720	43.0	\$374,655	*0.9	\$211,260	0.5	\$13,640,590	33.0
Improvements..	60,035,165	....	61,273,320	....	63,461,626	....	72,121,450	....	1,238,155	2.0	2,188,306	3.5	8,659,824	13.6
Total.....	\$101,126,690		\$101,990,190		\$104,389,756		\$126,690,170		\$863,500		\$2,399,566		\$22,300,414	21.3
Section 5—														
Taxable land..	\$22,096,885	35.5	\$22,535,630	37.7	\$23,482,890	36.4	\$34,572,565	43.9	\$438,745	1.9	\$947,260	4.2	\$11,089,675	47.2
Improvements..	34,502,115	....	37,254,515	....	40,902,671	....	44,117,640	....	2,752,400	8.0	3,648,156	9.8	3,214,969	7.8
Total.....	\$56,599,000		\$59,790,145		\$64,385,561		\$78,690,205		\$3,191,145		\$4,595,416		\$14,304,644	22.2
Section 6—														
Taxable land..	\$54,942,800	38.7	\$55,271,210	38.4	\$55,674,660	38.3	\$68,658,590	41.9	\$328,410	0.6	\$403,450	0.7	\$12,983,930	23.3
Improvements..	86,824,400	....	88,608,215	....	89,566,680	....	94,931,635	....	1,683,815	1.9	958,465	1.8	5,364,955	5.9
Total.....	\$141,867,200		\$143,879,425		\$145,241,340		\$163,590,225		\$2,012,225		\$1,361,915		\$18,348,885	12.6

	Assessed Value, 1908.	Per Cent. Land Value of Total Value, 1908.	Assessed Value, 1909.	Per Cent. Land Value of Total Value, 1909.	Assessed Value, 1910.	Per Cent. of Land Value.	Assessed Value, 1911.	Per Cent. of Land Value.	Increase, 1908-'09.	Per Cent. of Increase, 1908-'09.	Increase, 1909-'10.	Per Cent. of Increase, 1909-'10.	Increase, 1910-'11.	Per Cent. of Increase, 1910-'11.
Section 7—														
Taxable land..	\$43,125,945	48.2	\$42,330,075	47.2	\$42,490,760	46.9	\$50,257,437	48.7	*\$795,870	*1.8	\$160,685	0.4	\$7,766,677	18.2
Improvements..	46,215,525	....	47,358,195	....	47,506,810	....	52,893,878	....	1,142,670	2.3	148,615	0.3	5,387,068	11.3
Total.....	\$89,341,470		\$89,688,270		\$89,997,570		\$103,151,315		\$346,800		\$309,300		\$13,153,745	14.6
Section 8—														
Taxable land..	\$40,605,150	43.7	\$42,604,970	45.1	\$42,782,795	44.3	\$44,575,895	44.9	\$1,999,820	4.9	\$177,825	0.4	\$1,793,100	4.1
Improvements..	52,217,580	....	51,841,310	....	53,666,835	....	54,531,785	....	*376,270	*0.7	1,825,525	3.5	864,950	1.6
Total.....	\$92,822,730		\$94,446,280		\$96,449,630		\$99,107,680		\$1,623,550		\$2,003,350		\$2,658,050	2.7
Section 9—														
Taxable land..	\$26,683,970	47.6	\$27,095,155	47.5	\$27,188,725	47.2	\$31,990,840	51.8	\$411,185	1.5	\$93,570	0.3	\$4,802,115	17.6
Improvements..	29,321,460	....	29,922,405	....	30,381,937	....	29,670,612	....	600,945	2.0	459,532	1.5	*711,325	*2.3
Total.....	\$56,005,430		\$57,017,560		\$57,570,662		\$61,661,452		\$1,012,130		\$553,102		\$4,090,790	7.1
Section 10—														
Taxable land..	\$19,594,415	47.2	\$20,182,645	48.4	\$20,487,745	48.7	\$23,478,155	50.9	\$588,230	3.0	\$305,100	1.5	\$2,990,410	14.5
Improvements..	21,865,705	....	21,440,325	....	21,567,475	....	22,587,150	....	*415,370	*1.9	127,150	0.6	1,019,675	4.7
Total.....	\$41,460,120		\$41,622,970		\$42,055,220		\$46,065,305		\$162,860		\$432,250		\$4,010,085	9.5
Section 11—														
Taxable land..	\$31,498,845	41.1	\$32,060,340	41.1	\$32,207,395	40.5	\$43,171,750	46.1	\$561,495	1.8	\$147,055	0.4	\$10,964,355	34.4
Improvements..	45,143,965	....	45,895,130	....	47,226,685	....	50,385,551	....	751,165	1.6	1,331,555	2.9	3,158,866	6.6
Total.....	\$76,642,810		\$77,955,470		\$79,434,080		\$93,557,301		\$1,312,660		\$1,478,610		\$14,123,221	17.7
Section 12—														
Taxable land..	\$20,937,705	45.5	\$21,149,815	45.5	\$20,622,223	45.0	\$21,091,985	44.5	\$212,110	1.0	\$527,592	2.4	\$469,762	2.2
Improvements..	25,028,050	....	25,309,130	....	25,202,880	....	26,301,450	....	281,080	1.1	106,250	0.4	1,098,570	4.3
Total.....	\$45,965,755		\$46,458,945		\$45,825,103		\$47,393,435		\$493,190		\$633,842		\$1,568,332	3.4
Section 13—														
Taxable land..	\$16,879,975	47.0	\$16,804,885	44.6	\$17,260,045	43.7	\$19,575,670	43.7	*\$75,090	*0.4	\$455,160	2.7	\$2,315,625	13.4
Improvements..	18,999,505	....	20,854,655	....	22,252,815	....	25,198,089	....	1,855,150	9.7	1,398,160	6.7	2,945,274	13.2
Total.....	\$35,878,480		\$37,659,540		\$39,512,860		\$44,773,759		\$1,780,060		\$1,853,320		\$5,260,899	13.3
†Section 14—														
Taxable land..	\$3,506,530	88.6	\$3,504,375	81.5	\$4,045,740	81.3	\$4,360,580	78.5	\$2,155	....	\$541,365	15.4	\$314,840	7.7
Improvements..	449,980	....	791,930	....	933,350	....	1,192,520	....	341,950	75.9	141,420	17.9	259,170	27.7
Total.....	\$3,956,510		\$4,296,305		\$4,979,090		\$5,553,100		\$339,795		\$682,785		\$574,010	11.5
Section 15—														
Taxable land..	\$8,508,750	66.3	\$8,469,860	63.8	\$8,711,166	56.8	\$15,147,845	65.0	*\$38,890	*0.4	\$241,306	2.8	\$6,436,679	73.8
Improvements..	4,322,385	....	4,782,045	....	6,602,064	....	8,129,860	....	449,660	10.3	1,820,019	38.0	1,527,796	23.1
Total.....	\$12,831,135		\$13,251,905		\$15,313,230		\$23,277,705		\$410,770		\$2,061,325		\$7,964,475	52.0
Section 16—														
Taxable land..	\$29,120,850	49.4	\$30,982,155	48.0	\$31,813,240	44.5	\$49,374,850	51.9	\$1,861,305	6.4	\$831,085	2.6	\$17,561,610	55.2
Improvements..	30,185,455	....	33,604,810	....	39,579,345	....	45,728,390	....	3,419,355	11.3	5,974,535	17.7	6,149,045	15.5
Total.....	\$59,306,305		\$64,586,965		\$71,392,585		\$95,103,240		\$5,280,660		\$6,805,620		\$23,710,655	33.2
Section 17—														
Taxable land..	\$13,118,945	55.0	\$13,383,770	52.6	\$13,454,095	49.5	\$23,034,515	58.5	\$264,825	2.0	\$70,325	0.5	\$9,580,420	71.2
Improvements..	10,716,295	....	12,043,225	....	13,690,446	....	16,104,940	....	1,326,930	12.3	1,647,221	13.5	2,414,494	17.6
Total.....	\$23,835,240		\$25,426,995		\$27,144,541		\$39,139,455		\$1,591,755		\$1,717,546		\$11,994,914	44.1
Section 18—														
Taxable land..	\$19,190,200	64.6	\$19,412,610	63.0	\$19,908,990	59.3	\$33,742,105	67.4	\$222,410	1.1	\$496,380	2.5	\$13,833,115	69.4
Improvements..	10,517,460	....	11,407,570	....	13,632,023	....	16,287,450	....	890,110	8.4	2,224,453	19.5	2,655,427	19.4
Total.....	\$29,707,660		\$30,820,180		\$33,541,013		\$50,029,555		\$1,112,520		\$2,720,833		\$16,488,542	49.1
Section 19—														
Taxable land..	\$12,361,665	56.4	\$12,135,880	54.2	\$12,282,465	51.4	\$20,474,525	60.2	*\$225,785	*1.1	\$146,585	1.2	\$8,192,060	66.6
Improvements..	9,524,500	....	10,233,400	....	11,635,580	....	13,505,150	....	708,900	7.5	1,402,180	13.7	1,869,570	16.0
Total.....	\$21,886,165		\$22,369,280		\$23,918,045		\$33,979,675		\$483,115		\$1,548,765		\$10,061,630	42.0
Section 20—														
Taxable land..	\$14,883,400	76.5	\$15,280,225	73.4	\$16,417,290	65.3	\$22,332,475	64.7	\$396,825	2.7	\$1,137,065	7.4	\$5,915,185	36.0
Improvements..	4,561,090	....	5,529,720	....	8,698,300	....	12,144,956	....	968,630	21.2	3,168,580	57.3	3,446,656	39.6
Total.....	\$19,444,490		\$20,809,945		\$25,115,590		\$34,477,431		\$1,365,455		\$4,305,645		\$9,361,841	37.2
Section 21—														
Taxable land..	\$17,979,690	72.5	\$18,322,770	70.9	\$18,916,340	68.6	\$27,698,260	74.1	\$343,080	1.9	\$593,570	3.2	\$8,781,920	46.4
Improvements..	6,809,125	....	7,511,975	....	8,644,240	....	9,667,675	....	702,850	10.3	1,132,265	15.0	1,023,435	11.8
Total.....	\$24,788,815		\$25,834,745		\$27,560,580		\$37,365,935		\$1,045,930		\$1,725,835		\$9,805,355	35.5
Section 22 (a)—														
Taxable land..	\$6,032,570	63.6	\$6,315,150	63.2	\$7,786,045	68.2	\$14,004,070	78.9	\$282,580	4.7	\$1,470,895	23.2	\$6,218,025	79.8
Improvements..	3,441,070	....	3,678,750	....	3,622,920	....	3,723,655	....	237,680	6.9	55,830	1.5	100,735	2.7
Total.....	\$9,473,640		\$9,993,900		\$11,408,965		\$17,727,725		\$520,260		\$1,415,065		\$6,318,760	55.3
Section 23—														
Taxable land..	.....	....	\$9,841,470	80.7	\$10,995,555	76.4	\$13,191,130	73.9	.....	....	\$1,154,085	11.7	\$2,195,575	19.9
Improvements..	.....	....	2,359,075	....	3,389,020	....	4,648,500	....	.....	....	1,029,945	43.6	1,259,480	37.1
Total.....	.....	....	\$12,200,545		\$14,384,575		\$17,839,630		.....	....	\$2,184,030		\$3,455,055	24.0
Section 24—														
Taxable land..	.....	....	\$5,830,170	80.5	\$6,819,905	80.8	\$7,760,730	81.2	.....	....	\$989,735	16.9	\$940,825	13.7
Improvements..	.....	....	1,452,380	....	1,612,470	....	1,793,700	....	.....	....	160,090	11.2	181,230	11.2
Total.....	.....	....	\$7,282,550		\$8,432,375		\$9,554,430		.....	....	\$1,149,825		\$1,122,055	13.3
Section 25—														
Taxable land..	.....	....	\$2,577,460	80.0	\$3,454,465	81.7	\$3,974,860	82.3	.....	....	\$877,005	34.2	\$520,395	15.0
Improvements..	.....	....	642,075	....	772,625	....	851,425	....	.....	....	130,550	20.3	78,800	10.1
Total.....	.....	....	\$3,219,535		\$4,227,090		\$4,826,285		.....	....	\$1,007,550		\$599,195	14.1
Parts of Wards (b)—														
Taxable land..	\$17,966,760	84.6	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....
Improvements..	\$3,271,440	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....
Total.....	\$21,238,210		.....		.....		.....		.....		.....		.....
All Sections and Wards—														
Taxable land..	\$576,647,240	47.6	\$584,521,230	47.2	\$596,150,739	46.3	\$794,148,607	51.0	\$7,873,990	1.3	\$11,629,509	1.9	\$197,997,868	33.2
Improvements..	633,642,020	....	655,202,810	....	690,223,682	....	761,633,876	....	21,560,790	3.4	35,020,872	5.3	71,410,194	8.8
Total.....	\$1,210,289,260		\$1,239,724,040		\$1,286,374,421		\$1,555,782,483		\$29,434,780		\$46,650,381		\$269,408,062	20.9

*Decrease. †Prior to 1910 Section 14 was Ward 26.

† Prior to 1910 Section 14 was Ward 26.

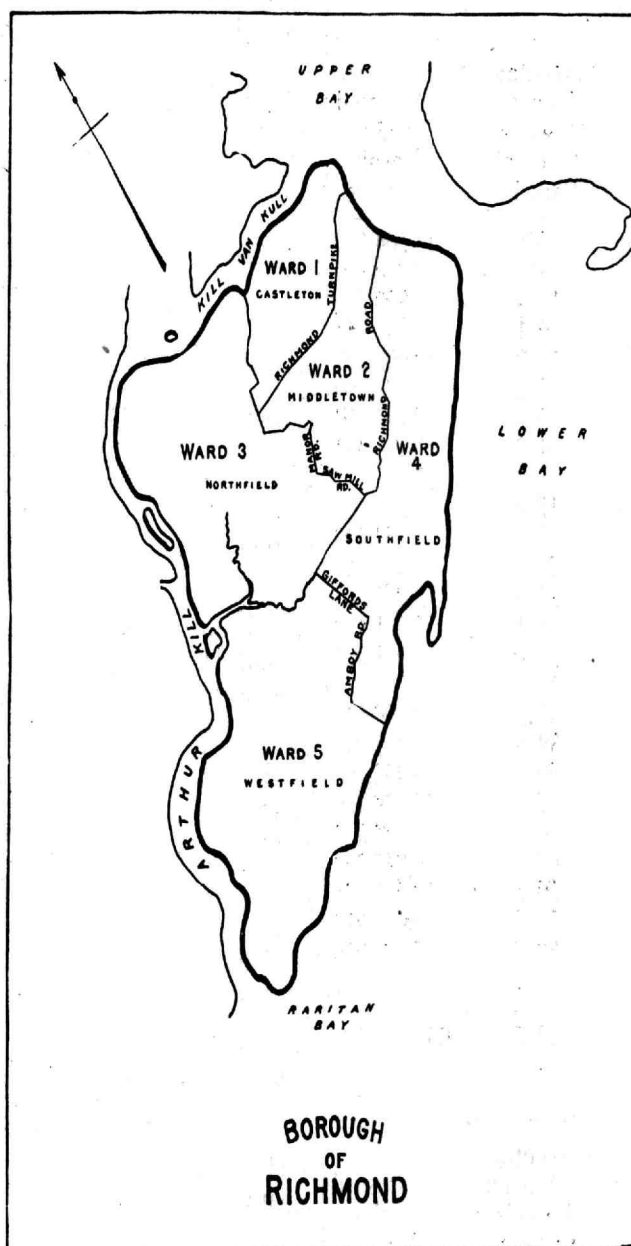
(a) Section 22 was placed on the Land Map for the assessment of 1909. Figures for prior years are those of Ward 31.

(b) Includes for 1908 parts of Wards 26, 29 and 32; in 1909 still smaller parts of Wards 26, 29, and 32. Sections 23 and 24 were placed on Land Map in 1909 and Section 25 in 1910.

Ordinary Real Estate, Exclusive of Special Franchises, and Real Estate of Corporations, Borough of Queens.

	Assessed Value, 1908.	Per Cent. Land Value of Total Value, 1908.	Assessed Value, 1909.	Per Cent. Land Value of Total Value, 1909.	Assessed Value, 1910.	Per Cent. of Land Value.	Assessed Value, 1911.	Per Cent. of Land Value.	Increase, 1908-'09.	Per Cent. of Increase, 1908-'09.	Increase, 1909-'10.	Per Cent. of Increase, 1909-'10.	Increase, 1910-'11.	Per Cent. of Increase, 1910-'11.
Ward 1—														
Taxable land..	\$44,725,095	69.4	\$47,848,335	68.1	\$49,528,835	67.3	\$60,141,125	69.3	\$3,123,240	6.9	\$1,680,500	3.5	\$10,612,290	21.4
Improvements.	19,490,425	....	22,505,405	....	23,964,040	....	26,544,355	....	3,014,980	15.4	1,458,635	6.4	2,580,315	10.7
Total.....	\$64,215,520		\$70,353,740		\$73,492,875		\$86,685,480		\$6,138,220		\$3,139,135		\$13,192,605	17.9
Ward 2—														
Taxable land..	\$35,211,466	60.0	\$36,829,416	57.9	\$40,880,205	57.8	\$60,860,535	61.9	\$1,617,950	4.5	\$4,050,789	10.9	\$19,980,330	48.8
Improvements.	24,056,219	....	26,700,554	....	29,790,915	....	37,427,760	....	2,644,335	10.9	3,090,361	11.2	7,636,845	25.6
Total.....	\$59,267,685		\$63,529,970		\$70,671,120		\$98,288,295		\$4,262,285		\$7,141,150		\$27,617,175	39.0
Ward 3—														
Taxable land..	\$35,652,490	74.4	\$33,858,965	71.6	\$36,067,845	70.9	\$48,892,882	73.2	\$1,793,525	*5.0	\$2,208,880	6.5	\$12,825,037	35.5
Improvements.	12,242,485	....	13,417,640	....	14,782,705	....	17,884,415	....	1,175,155	9.6	1,365,065	10.1	3,101,710	20.9
Total.....	\$47,894,975		\$47,276,605		\$50,850,550		\$66,777,297		*\$618,370		\$3,573,945		\$15,926,747	31.3
Ward 4—														
Taxable land..	\$54,088,045	69.9	\$52,999,555	68.5	\$57,109,592	66.5	\$76,410,230	68.7	\$1,088,490	*2.0	\$4,110,037	7.7	\$19,300,638	33.7
Improvements.	23,251,945	....	24,881,220	....	28,727,393	....	34,709,300	....	1,629,275	7.0	3,846,173	15.4	5,981,907	20.8
Total.....	\$77,339,990		\$77,880,775		\$85,836,985		\$111,119,530		\$540,785		\$7,956,210		\$25,282,545	29.4
Ward 5—														
Taxable land..	\$13,536,300	61.0	\$14,363,275	61.3	\$16,593,840	61.2	\$29,784,400	66.9	\$826,975	6.1	\$2,230,565	15.5	\$13,190,560	79.4
Improvements.	8,486,140	....	9,052,790	....	10,505,190	....	14,703,105	....	566,650	6.7	1,452,400	16.0	4,197,915	39.9
Total.....	\$22,022,440		\$23,416,065		\$27,099,030		\$44,487,505		\$1,393,625		\$3,682,965		\$17,388,475	64.1
All Wards—														
Taxable land..	\$182,629,206	67.4	\$185,899,546	65.8	\$200,180,317	65.0	\$276,089,172	67.7	\$3,270,340	1.8	\$14,280,771	7.6	\$75,908,855	37.9
Improvements.	88,111,404	....	96,557,609	....	107,770,243	....	131,268,935	....	8,446,205	9.5	11,212,634	11.6	23,498,692	21.8
Total.....	\$270,740,610		\$282,457,155		\$307,950,560		\$407,358,107		\$11,716,545		\$25,493,405		\$99,407,547	32.2

* Decrease.



Ordinary Real Estate, Exclusive of Special Franchises, and Real Estate of Corporations, Borough of Richmond.

	Assessed Value, 1908.	Per Cent. Land Value of Total Value, 1908.	Assessed Value, 1909.	Per Cent. Land Value of Total Value, 1909.	Assessed Value, 1910.	Per Cent. of Land Value.	Assessed Value, 1911.	Per Cent. of Land Value.	Increase, 1908-'09.	Per Cent. of Increase, 1908-'09.	Increase, 1909-'10.	Per Cent. of Increase, 1909-'10.	Increase, 1910-'11.	Per Cent. of Increase, 1910-'11.
Ward 1—														
Taxable land..	\$10,493,390	52.2	\$10,337,735	50.8	\$10,328,100	49.7	\$10,861,235	48.4	*\$155,655	*1.5	*\$9,635	*.09	\$533,135	5.1
Improvements.	9,602,441	....	9,994,016	....	10,424,576	....	11,560,576	....	391,575	4.0	430,560	4.3	1,136,000	10.8
Total.....	\$20,095,831		\$20,331,751		\$20,752,676		\$22,421,811		\$235,920		\$420,925		\$1,669,135	8.0
Ward 2—														
Taxable land..	\$7,495,615	57.9	\$7,655,305	57.3	\$7,463,955	55.4	\$8,482,230	59.2	\$159,690	2.1	*\$191,350	*2.5	\$1,018,275	13.6
Improvements.	5,447,435	....	5,713,550	....	5,993,305	....	6,665,085	....	266,115	4.9	279,755	4.8	671,780	11.2
Total.....	\$12,943,050		\$13,368,855		\$13,457,260		\$15,147,315		\$425,805		\$88,405		\$1,690,055	12.5
Ward 3—														
Taxable land..	\$5,988,025	49.4	\$6,158,749	48.4	\$6,262,521	47.1	\$9,404,080	51.7	\$170,724	2.8	\$103,772	1.6	\$3,141,559	50.1
Improvements.	6,129,655	....	6,556,486	....	7,005,249	....	8,766,999	....	426,831	6.9	448,763	6.8	1,761,750	25.1
Total.....	\$12,117,680		\$12,715,235		\$13,267,770		\$18,171,079		\$597,555		\$552,535		\$4,903,309	36.9
Ward 4—														
Taxable land..	\$7,061,950	68.4	\$6,955,670	66.7	\$6,997,020	65.5	\$7,140,170	63.5	*\$106,280	*1.5	\$41,350	0.6	\$143,150	2.0
Improvements.	3,252,835	....	3,470,385	....	3,673,940	....	4,094,515	....	217,550	6.7	203,555	5.8	420,575	11.1
Total.....	\$10,314,785		\$10,426,055		\$10,670,960		\$11,234,685		\$111,270		\$244,905		\$563,725	5.2
Ward 5—														
Taxable land..	\$2,729,971	52.1	\$2,762,076	50.4	\$2,771,121	49.5	\$4,307,316	54.4	\$32,105	1.1	\$9,045	0.3	\$1,536,195	55.4
Improvements.	2,526,808	....	2,717,843	....	2,829,902	....	3,604,105	....	191,035	7.5	112,059	4.1	774,203	27.3
Total.....	\$5,256,779		\$5,479,919		\$5,601,023		\$7,911,421		\$223,140		\$121,104		\$2,310,398	41.2
All Wards—														
Taxable land..	\$33,768,951	55.6	\$33,869,535	54.3	\$33,822,717	53.0	\$40,195,031	53.6	\$100,584	0.3	*\$46,818	*0.1	\$6,372,314	18.8
Improvements.	26,959,174	....	28,452,280	....	29,926,972	....	34,691,280	....	1,493,106	5.5	1,474,692	5.1	4,764,308	15.9
Total.....	\$60,728,125		\$62,321,815		\$63,749,689		\$74,886,311		\$1,593,690		\$1,427,874		\$11,136,622	17.4

* Decrease.

VACANT LOTS.

Note 1—In the suburbs, vacant parcels are frequently acreage plots, hence the actual area vacant is greater than the following figures indicate.

Note 2—Every parcel which contains any improvement, however slight, is counted as improved.

Manhattan.

	Total Number of Parcels.	Vacant Parcels.	Percentage of Vacant Parcels to Total Parcels.	Assessed Value, Vacant Parcels.
Section 1	9,387	177	1.9	\$3,002,150
Section 2	14,984	290	1.9	6,342,760
Section 3	14,701	559	3.7	23,263,700
Section 4	12,593	520	4.1	13,979,000
Section 5	16,499	697	4.2	30,941,865
Section 6	11,185	1,134	10.1	13,753,000
Section 7	12,517	1,930	15.4	29,464,770
Section 8	4,559	2,697	58.3	37,606,790
Real Estate of Corporations....	413	....	....	....
Total	96,838	8,004	8.2	\$158,354,035

The Bronx.

	Total Number of Parcels.	Vacant Parcels.	Percentage of Vacant Parcels to Total Parcels.	Assessed Value, Vacant Parcels.
Section 9	8,488	1,915	22.5	\$18,527,155
Section 10	7,858	2,630	33.4	20,696,855
Section 11	13,346	5,066	37.9	39,533,873
Section 12	5,021	2,630	52.3	12,111,291
Section 13	2,274	1,675	73.7	9,720,470
Ward 24	24,962	18,406	73.8	36,530,131
Real Estate of Corporations...	294	....	....	....
Total	62,243	32,322	51.9	\$138,019,775

Brooklyn.

	Total Number of Parcels.	Vacant Parcels.	Percentage of Vacant Parcels to Total Parcels.	Assessed Value, Vacant Parcels.
Section 1	6,644	244	3.6	\$1,764,615
Section 2	9,958	893	8.9	2,648,110
Section 3	10,672	1,325	12.4	7,838,715
Section 4	13,026	806	6.1	5,945,545
Section 5	9,385	1,585	16.8	10,027,390
Section 6	21,575	691	3.2	2,793,480
Section 7	10,465	355	3.4	2,745,710
Section 8	8,645	367	4.2	1,488,040
Section 9	7,643	558	7.2	3,276,475
Section 10	5,027	877	17.4	3,917,605
Section 11	12,436	668	5.3	2,724,440
Section 12	8,019	1,826	22.7	6,165,445
Section 13	10,578	2,314	21.8	5,021,525
Section 14	2,865	2,239	78.1	3,521,470
Section 15	7,941	5,721	72.0	10,611,325
Section 16	11,155	1,745	15.6	10,716,215
Section 17	7,971	3,619	45.4	13,030,645
Section 18	6,050	2,340	38.6	17,362,700
Section 19	4,919	1,797	36.5	9,482,700
Section 20	7,294	4,578	62.7	13,579,130
Section 21	5,574	3,156	56.6	9,969,700
Section 22	2,933	1,860	63.6	6,927,380
Section 23	4,989	3,819	76.5	10,255,805
Section 24	4,408	3,376	76.5	5,684,810
Section 25	1,548	1,377	88.9	2,895,810
Real Estate of Corporations...	801	....	....	....
Total	202,521	48,136	23.7	\$170,394,785

Queens.

	Total Number of Parcels.	Vacant Parcels.	Percentage of Vacant Parcels to Total Parcels.	Assessed Value, Vacant Parcels.
Ward 1	27,724	20,044	72.3	\$34,021,415
Ward 2	34,608	21,286	61.5	28,664,325
Ward 3	17,486	11,127	64.2	22,599,261
Ward 4	37,509	24,511	65.3	43,121,910
Ward 5	5,479	2,354	42.9	10,678,075
Real Estate of Corporations...	796	....	....	....
Total	123,602	79,322	64.3	\$139,084,986

Richmond.

	Total Number of Parcels.	Vacant Parcels.	Percentage of Vacant Parcels to Total Parcels.	Assessed Value, Vacant Parcels.
Ward 1	7,862	3,781	48.0	\$3,385,780
Ward 2	4,314	2,123	49.2	2,491,480
Ward 3	6,385	3,195	47.0	3,181,950
Ward 4	8,074	5,985	74.1	3,544,335
Ward 5	3,810	1,398	36.7	1,888,446
Real Estate of Corporations...	200	....	....	....
Total	30,645	16,482	53.8	\$14,491,991

Recapitulation.

	Total Number of Parcels.	Vacant Parcels.	Percentage of Vacant Parcels to Total Parcels.	Assessed Value, Vacant Parcels.
Manhattan	96,838	8,004	8.2	\$158,354,035
The Bronx	62,243	32,322	51.9	138,019,775
Brooklyn	202,521	48,136	23.7	170,394,785
Queens	123,602	79,322	64.3	139,084,986
Richmond	30,645	16,482	53.8	14,491,991
Total for City	515,849	184,266	35.7	\$620,345,572

REAL ESTATE BUREAU.

The following tabulated statement shows the assessed valuation of real estate by sections and wards in the several Boroughs constituting The City of New York for the year 1911, as compared with the assessed valuation for the year 1910:

Borough of Manhattan.

	Assessment Roll, 1910.	Assessment Roll, 1911.	Increase.	Decrease.
Section 1	\$768,644,450	\$783,709,160	\$15,064,710	.....
Section 2	526,714,560	531,160,360	4,445,800	.....
Section 3	933,648,850	1,018,415,000	84,766,150	.....
Section 4	582,832,200	621,485,350	38,653,150	.....
Section 5	823,291,650	853,868,430	30,576,780	.....
Section 6	260,720,625	265,751,350	5,030,725	.....
Section 7	391,710,770	435,169,820	43,459,050	.....
Section 8	103,230,830	122,993,040	19,762,210	.....
Total	\$4,390,793,935	\$4,632,553,510	.....	.....
Real estate of corporations	25,110,750	80,668,075	55,557,325	.....
Total	\$4,415,904,685	\$4,713,221,585	.....	.....
Special franchises..	328,012,100	324,651,100	.....	\$3,361,000
Total	\$4,743,916,785	\$5,037,872,685	\$297,316,900	\$3,361,000
			3,361,000	
			\$293,955,900	

Borough of The Bronx.

	Assessment Roll, 1910.	Assessment Roll, 1911.	Increase.	Decrease.
Section 9	\$115,998,130	\$128,024,355	\$12,026,225	.....
Section 10	96,676,695	115,152,718	18,476,023	.....
Section 11	119,373,497	155,353,033	35,979,536	.....
Section 12	27,076,376	34,866,356	7,789,980	.....
Section 13	11,916,650	18,612,470	6,695,820	.....
Ward 24	71,426,046	88,736,426	17,310,380	.....
Total	\$442,467,394	\$540,745,358	.....	.....
Real estate of corporations	31,214,425	37,033,975	5,819,550	.....
Total	\$473,681,819	\$577,779,333	.....	.....
Special franchises..	20,076,100	27,443,600	\$7,367,500	.....
Total	\$493,757,919	\$605,222,933	\$111,465,014	.....

Borough of Brooklyn.

	Assessment Roll, 1910.	Assessment Roll, 1911.	Increase.	Decrease.
Section 1	\$115,810,470	\$146,197,665	\$30,387,195	.....
Section 2	70,241,395	86,514,420	16,273,025	.....
Section 3	68,043,095	89,515,385	21,472,290	.....
Section 4	104,389,756	126,690,170	22,300,414	.....
Section 5	64,385,561	78,690,205	14,304,644	.....
Section 6	145,241,340	163,590,225	18,348,885	.....
Section 7	89,997,570	103,151,315	13,153,745	.....
Section 8	96,449,630	99,107,680	2,658,050	.....
Section 9	57,570,662	61,661,452	4,090,790	.....
Section 10	42,055,220	46,065,305	4,010,085	.....
Section 11	79,434,080	93,557,301	14,123,221	.....
Section 12	45,825,103	47,393,435	1,568,332	.....
Section 13	39,512,860	44,773,759	5,260,899	.....
Section 14	4,979,090	5,553,100	574,010	.....
Section 15	15,313,230	23,277,705	7,964,475	.....
Section 16	71,392,585	95,103,240	23,710,655	.....
Section 17	27,144,541	39,139,455	11,994,914	.....
Section 18	33,541,013	50,029,555	16,488,542	.....
Section 19	23,918,045	33,979,675	10,061,630	.....
Section 20	25,115,590	34,477,431	9,361,841	.....
Section 21	27,560,580	37,365,935	9,805,355	.....
Section 22	11,408,965	17,727,725	6,318,760	.....
Section 23	14,384,575	17,839,630	3,455,055	.....
Section 24	8,432,375	9,554,430	1,122,055	.....
Section 25	4,227,090	4,826,285	599,195	.....
Total	\$1,286,374,421	\$1,555,782,483	.....	.....
Real estate of corporations	17,443,900	23,448,500	\$6,004,600	.....
Total	\$1,303,818,321	\$1,579,230,983	.....	.....
Special franchises..	100,218,200	109,940,300	\$9,722,100	.....
Total	\$1,404,036,521	\$1,689,171,283	\$285,134,762	.....

Borough of Queens.

	Assessment Roll, 1910.	Assessment Roll, 1911.	Increase.	Decrease.
Ward 1	\$73,492,875	\$86,685,480	\$13,192,605	.....
Ward 2	70,671,120	98,288,295	27,617,175	.....
Ward 3	50,850,550	66,777,297	15,926,747	.....
Ward 4	85,836,985	111,119,530	25,282,545	.....
Ward 5	27,099,030	44,487,505	17,388,475	.....
Total	\$307,950,560	\$407,358,107	.....	.....
Real estate of corporations	11,695,600	22,810,845	11,115,245	.....
Total	\$319,646,160	\$430,168,952	.....	.....
Special franchises..	14,917,800	16,400,400	1,482,600	.....
Total	\$334,563,960	\$446,569,352	\$112,005,392	.....

Borough of Richmond.

	Assessment Roll, 1910.	Assessment Roll, 1911.	Increase.	Decrease.
Ward 1	\$20,752,676	\$22,421,811	\$1,669,135	.....
Ward 2	13,457,260	15,147,315	1,690,055	.....
Ward 3	13,267,770	18,171,079	4,903,309	.....
Ward 4	10,670,960	11,234,685	563,725	.....
Ward 5	5,601,023	7,911,421	2,310,398	.....
Total	\$63,749,689	\$74,886,311	.....	.....
Real estate of corporations	1,982,400	2,534,900	552,500	.....
Total	\$65,732,089	\$77,421,211	.....	.....
Special franchises..	2,185,400	2,582,700	397,300	.....
Total	\$67,917,489	\$80,003,911	\$12,086,422	.....

Recapitulation.				Detail, Real Estate, City of New York, 1911.					
Borough.	Assessment Roll, 1910.	Assessment Roll, 1911.	Net Increase.	Borough.	Taxable Land.	Improvements.	Real Estate of Corporations.	Special Franchises.	Total Real Estate.
Manhattan	\$4,743,916,785	\$5,037,872,685	\$293,955,900	Manhattan ..	\$3,114,812,658	\$1,517,740,852	\$80,668,075	\$324,651,100	\$5,037,872,685
The Bronx	493,757,919	605,222,933	111,465,014	The Bronx...	330,679,808	210,065,550	37,033,975	27,443,600	605,222,933
Brooklyn	1,404,036,521	1,689,171,283	285,134,762	Brooklyn	794,148,607	761,633,876	23,448,500	109,940,300	1,689,171,283
Queens	334,563,960	446,569,352	112,005,392	Queens	276,089,172	131,268,935	22,810,845	16,400,400	446,569,352
Richmond	67,917,489	80,003,911	12,086,422	Richmond ...	40,195,031	34,691,280	2,534,900	2,582,700	80,003,911
Total	\$7,044,192,674	\$7,858,840,164	\$814,647,490	Total	\$4,555,925,276	\$2,655,400,493	\$166,496,295	\$481,018,100	\$7,858,840,164
Real Estate of Corporations.				Special Franchises, 1910 and 1911. (Assessed Valuations Fixed by the State Board of Tax Commissioners, Under Tax Law Section 43.)					
Borough.	Assessment Roll, 1910.	Assessment Roll, 1911.	Increase.	Decrease.					
Manhattan	\$25,110,750	\$80,668,075	\$55,557,325	.....	Manhattan	\$328,012,100	\$324,651,100	.....	\$3,361,000
The Bronx	31,214,425	37,033,975	5,819,550	.....	The Bronx	20,076,100	27,443,600	.....	\$7,367,500
Brooklyn	17,443,900	23,448,500	6,004,600	.....	Brooklyn	100,218,200	109,940,300	.....	9,722,100
Queens	11,695,600	22,810,845	11,115,245	.....	Queens	14,917,800	16,400,400	.....	1,482,600
Richmond	1,982,400	2,534,900	552,500	.....	Richmond	2,185,400	2,582,700	.....	397,300
Total	\$87,447,075	\$166,496,295	\$79,049,220	.....	Total	\$465,409,600	\$481,018,100	.....	\$15,608,500
					Decrease .....			.....	3,361,000

Table Showing Assessed Value of Real Estate in the Several Boroughs, as Corrected from the Records by Increase by Notice, by Reductions for Equalization and by Exemption Under Various Laws.

	Annual Record, January, 1911.	Increase by Notice.	Exemption.	Equalization.	Parsonage.	Clergy.	Pension.	Special Franchise.	Annual Record, June 1, 1911.
Manhattan	\$4,763,422,175	\$10,000	\$16,864,500	\$33,054,090	\$250,000	\$42,000	.....	\$324,651,100	\$5,037,872,685
The Bronx	583,401,512	96,700	553,250	4,979,719	159,600	21,600	4,710	27,443,600	605,222,933
Brooklyn	1,613,327,872	2,715,100	4,295,840	31,913,065	400,200	176,610	26,274	109,940,300	1,689,171,283
Queens	437,998,141	7,800	547,850	7,024,764	178,000	43,700	42,675	16,400,400	446,569,352
Richmond	78,261,872	1,600	59,850	660,980	92,100	20,275	9,056	2,582,700	80,003,911
Total	\$7,476,411,572	\$2,831,200	\$22,321,290	\$77,632,618	\$1,079,900	\$304,185	\$82,715	\$481,018,100	\$7,858,840,164

Assessed Valuation of Real Estate at Opening of Books Second Monday of January, and Amount Held on Receiver's Books, 1899 to 1911.

	Manhattan.		The Bronx.		Brooklyn.		Queens.		Richmond.			
	At Opening of Books on Second Monday of January.	Held on Receiver's Books.	At Opening of Books on Second Monday of January.	Held on Receiver's Books.	At Opening of Books on Second Monday of January.	Held on Receiver's Books.	At Opening of Books on Second Monday of January.	Held on Receiver's Books.	At Opening of Books on Second Monday of January.	Held on Receiver's Books.	Total at Opening of Books.	Total Held on Receiver's Books.
1899 ..	\$2,062,410,975	\$2,054,903,875	\$123,898,120	\$123,702,030	\$615,033,598	\$609,822,267	\$108,340,475	\$103,752,600	\$40,574,297	\$40,264,692	\$2,950,348,465	\$2,932,445,464
1900 ..	2,071,639,436	2,231,502,655	130,655,450	138,494,849	614,738,749	651,408,500	102,698,990	104,427,772	40,920,904	42,723,924	2,960,653,529	3,168,557,700
1901 ..	2,127,840,526	2,285,188,713	136,720,395	143,808,303	626,132,806	658,962,119	102,071,795	107,179,620	40,950,080	42,639,506	3,033,715,602	3,237,778,261
1902 ..	2,196,571,028	2,358,939,618	145,050,173	153,500,568	638,780,658	670,533,508	104,131,496	108,859,704	37,588,014	38,814,181	3,122,121,369	3,330,647,579
1903 ..	3,326,480,332	3,483,793,382	226,596,647	247,090,767	811,906,457	853,760,357	114,199,488	123,781,723	40,084,457	43,124,597	4,519,267,381	4,751,550,826
1904 ..	3,512,439,261	3,676,857,411	251,620,397	261,026,477	863,805,107	901,994,957	127,459,050	131,379,225	43,066,424	44,205,709	4,798,390,239	5,015,463,779
1905 ..	3,605,354,941	3,820,754,181	262,293,538	274,859,593	892,426,647	940,982,302	135,637,935	140,404,990	43,324,230	44,581,235	4,939,037,291	5,221,582,301
1906 ..	3,851,101,031	4,105,352,281	344,745,002	355,779,602	1,007,805,022	1,072,007,172	151,630,705	159,446,205	44,845,830	45,901,985	5,400,127,590	5,738,487,245
1907 ..	4,078,106,001	4,391,970,951	375,356,030	396,687,730	1,089,511,420	1,181,221,910	206,577,520	217,668,775	51,081,361	52,931,236	5,800,632,332	6,240,480,602
1908 ..	4,266,534,851	4,584,536,431	420,024,893	441,228,718	1,238,322,115	1,334,864,835	283,768,850	296,458,980	63,326,825	65,326,825	6,272,270,859	6,722,415,789
1909 ..	4,312,902,586	4,614,446,286	443,313,338	462,704,008	1,269,257,430	1,354,809,840	293,204,645	308,112,605	65,463,085	67,106,965	6,384,141,084	6,807,179,704
1910 ..	4,430,853,061	4,743,916,785	475,856,784	493,757,919	1,305,794,458	1,404,036,521	321,180,505	334,563,960	66,502,514	67,917,489	6,600,187,322	7,044,192,674
1911 ..	4,763,422,175	5,037,872,685	583,401,512	605,222,933	1,613,327,872	1,689,171,283	437,998,141	446,569,352	78,261,872	80,003,911	7,476,411,572	7,858,840,164

Note—For the year 1900 and thereafter, the total held on the Receiver's Books included the Special Franchise Assessments (shown in separate table), as reported to this Department by the State Board of Tax Commissioners about April 1 in each year.

Special Franchises, from 1900 to 1911.

(Assessed Valuations Fixed by the State Board of Tax Commissioners Under Tax Law Section 43.)

Year.	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	Total.
1900	\$166,763,669	\$7,272,249	\$39,250,552	\$4,036,817	\$2,356,064	\$219,679,351
1901	160,954,387	7,466,283	35,084,220	5,768,494	2,060,810	211,334,194
1902	167,169,240	9,071,700	37,522,490	5,264,900	1,591,825	220,620,155
1903	177,447,700	9,573,100	41,124,700	5,528,000	1,510,825	235,184,325

Number of Pieces of Real Estate Assessed and Number of Applications for Reduction for Each Year, 1899 to 1911.

	Manhattan.		The Bronx.		Brooklyn.		Queens.		Richmond.			
	Number of Pieces Assessed.	Number of Applications for Reduction.	Number of Pieces Assessed.	Number of Applications for Reduction.	Number of Pieces Assessed.	Number of Applications for Reduction.	Number of Pieces Assessed.	Number of Applications for Reduction.	Number of Pieces Assessed.	Number of Applications for Reduction.	Total Pieces.	Total Applications.
1899	113,127	4,644	50,228	399	224,018	1,576	113,250	2,759	22,748	1,168	523,371	10,546
1900	113,526	2,414	52,004	319	229,903	1,518	89,751	1,345	22,926	738	508,110	6,334
1901	112,041	1,794	52,898	254	231,950	2,193	90,675	1,250	23,912	345	511,476	5,836
1902	106,994	1,515	52,095	380	204,838	1,577	89,147	627	23,887	334	476,961	4,433
1903	106,783	5,364	51,683	1,080	204,548	3,567	89,804	567	24,100	200	476,918	10,778
1904	103,661	3,248	51,863	478	197,438	1,724	89,783	546	24,474	188	467,219	6,194
1905	102,766	2,140	52,884	233	184,524	1,130	92,072	460	24,902	284	457,148	4,247
1906	101,215	1,861	53,438	375	183,449	1,229	94,054	300	25,276	219	457,432	3,984
1907	100,368	1,661	54,383	387	184,104	1,066	98,805	150	25,950	387	463,610	3,651
1908	98,657	3,628	61,107	587	188,828	2,285	106,254	2,213	27,110	850	481,956	9,563
1909	98,172	3,601	59,840	459	193,350	2,769	110,579	834	28,039	386	489,980	8,049
1910	97,742	2,145	61,023	410	196,413	2,035	115,960	444	29,138	199	500,276	5,233
1911	96,838	3,658	62,243	1,493	202,521	11,800	123,602	2,548	30,645	717	515,849	20,216

Total Number of Pieces Assessed by Boroughs.

Boroughs.	1906.	1907.	1908.	1909.	1910.	1911.
Manhattan	101,215	100,368	98,657	98,172	97,742	96,838
The Bronx	53,438	54,383	61,107	59,840	61,023	62,243
Brooklyn	183,449	184,104	188,828	193,350	196,413	202,521
Queens	94,054	98,805	106,254	110,579	115,960	123,602
Richmond	25,276	25,950	27,110	28,039	29,138	30,645
Total	457,432	463,610	481,956	489,980	500,276	515,849

Real Estate Assessment Rolls Prepared for Delivery to the Board of Aldermen.

Boroughs.	Volumes, 1906.	Volumes, 1907.	Volumes, 1908.	Volumes, 1909.	Volumes, 1910.	Volumes, 1911.
Manhattan	34	40	40	40	40	40
The Bronx	26	34	34	34	37	38
Brooklyn	98	148	149	159	162	162
Queens	49	61	74	79	79	104
Richmond	14	14	17	20	21	21
Total	221	297	314	332	339	365

PERSONAL BUREAU.

Taxable Personal Estate for the Year 1911.

The taxable personal estate for 1911 as set forth in detail in the accompanying tables is made up of the following:

Resident corporations	\$84,506,100
Non-resident corporations	25,091,600
Resident, personal	164,092,832
Non-resident, personal	14,789,000
Estates	65,833,996
Tax Law, section 7, subdivision 2 (Saxe Law)	3,609,595

Total

By reference to the accompanying tabulated statements of assessed valuations of personal estate for 1910 and 1911 it will be seen that the total decrease for 1911 is made up as follows:

Assessed Valuations of Corporations for 1910 and 1911.

	1910.	1911.	Decrease.	Increase.
Manhattan	\$98,189,150	\$98,704,000	.....	\$514,850
The Bronx	1,399,300	1,469,600	.....	70,300
Brooklyn	7,278,850	7,973,400	.....	694,550

	1910.	1911.	Decrease.	Increase.
Queens	796,950	1,072,700	.....	275,750
Richmond	427,400	378,000	\$49,400	.....
Total	\$108,091,650	\$109,597,700	\$49,400	\$1,555,450
		108,091,650		49,400
Net increase		\$1,506,050		\$1,506,050

Assessed Valuations of Estates for 1910 and 1911.

	1910.	1911.	Decrease.	Increase.
Manhattan	\$60,441,747	\$55,472,210	\$4,969,537	.....
The Bronx	863,935	978,070	.....	\$114,135
Brooklyn	8,386,455	8,252,871	133,584	.....
Queens	432,380	585,600	.....	153,220
Richmond	522,092	545,245	.....	23,153
Total	\$70,646,609	\$65,833,996	\$5,103,121	\$290,508
	65,833,996		290,508	
Net decrease	\$4,812,613		\$4,812,613	

Assessed Valuations of Individuals, 1910 and 1911.

	1910.	1911.	Decrease.	Increase.
Manhattan	\$139,399,586	\$135,621,742	\$3,777,844	.....
The Bronx	5,453,315	2,539,225	2,914,090	.....
Brooklyn	43,666,520	39,629,345	4,037,175	.....
Queens	4,129,150	3,681,575	447,575	.....
Richmond	1,257,995	1,019,540	238,455	.....
Total	\$193,906,566	\$182,491,427	\$11,415,139	
	182,491,427			
Net decrease	\$11,415,139		\$11,415,139	

	Decrease.	Increase.
Net increase in corporations		\$1,506,050
Net decrease in individuals	\$11,415,139	.....
Net decrease in estates	4,812,613	.....
Total	\$16,227,752	\$1,506,050
	1,506,050	
Total net decrease	\$14,721,702	

The following statements show the assessed value of personal property for the year 1911, as compared with the year 1910, in the several boroughs constituting The City of New York.

BOROUGH OF MANHATTAN.
Final Assessment Rolls, 1910 and 1911.

	Valuations, 1910.	Valuations, 1911.	Increase.	Decrease.
Resident corporations	\$71,527,200	\$74,409,100	\$2,881,900	.....
Non-resident corporations	26,661,950	24,294,900	.....	2,367,050
Personal	116,656,801	117,266,147	609,346	.....
Non-resident, personal	18,900,990	14,789,000	.....	4,111,990
Estates	60,441,747	55,472,210	.....	4,969,537
Tax Law, section 7, subdiv. 2	3,841,795	3,566,595	.....	275,200
Total	\$298,030,483	\$289,797,952	\$3,491,246	\$11,723,777
	289,797,952		3,491,246	
Decrease	\$8,232,531			\$8,232,531

Table Showing the Assessed Value of Personal Property, Borough of Manhattan, as it Appeared on the Books of Annual Record, January 9, 1911; also the Amount Canceled and the Amount Retained on the Final Assessment Rolls as Transmitted to the Board of Aldermen, July 3, 1911.

	Annual Record.	Additions.	Cancelled.	Assessment Roll.
Resident corporations	\$117,917,100	\$212,500	\$43,720,500	\$74,409,100
Non-resident corporations	30,270,100	74,400	6,049,600	24,294,900
Personal	299,400,491	68,600	182,202,944	117,266,147
Non-resident, personal	27,385,215	16,000	12,612,215	14,789,000
Estates	178,148,450	219,800	122,896,040	55,472,210
Tax Law, section 7, sub-div. 2	4,270,295	2,000	705,700	3,566,595
Total	\$657,391,651	\$593,300	\$368,186,999	\$289,797,952

Names on Annual Record and on Final Assessment Rolls, 1911.

	Annual Record.	Cancelled.	Assessment Roll.
Resident corporations	17,220	6,314	10,906
Non-resident corporations	3,129	1,043	2,086
Personal	18,128	9,479	8,649
Non-resident, personal	3,459	1,113	2,346
Estates	2,313	929	1,384
Tax Law, section 7, subdivision 2	355	63	292
Total	44,604	18,941	25,663

BOROUGH OF THE BRONX.
Final Assessment Rolls, 1911.

	Valuations, 1910.	Valuations, 1911.	Increase.	Decrease.
Personal resident	\$5,453,315	\$2,539,225	.....	\$2,914,090
Estates	863,935	978,070	\$114,135	.....
Corporations, resident	1,309,740	1,395,600	85,860	.....
Corporations, non-resident	89,560	74,000	.....	15,560
Total	\$7,716,550	\$4,986,895	\$199,995	\$2,929,650
	4,986,895			199,995
Decrease	\$2,729,655			\$2,729,655

Assessed Valuation, Personal Property on Annual Record, January 9, 1911, and Final Assessment Rolls, 1911.

	Annual Record.	Additions.	Cancelled.	Assessment Roll.
Personal, resident	\$5,661,875	\$16,600	\$3,139,250	\$2,539,225
Estates	4,457,435	3,800	3,483,165	978,070
Corporations, resident	2,523,700	17,600	1,145,700	1,395,600
Corporations, non-resident	96,500	.....	22,500	74,000
Total	\$12,739,510	\$38,000	\$7,790,615	\$4,986,895

Names on Annual Record and on Final Assessment Rolls, 1911.

	Annual Record.	Cancelled.	Assessment Roll.
Personal	1,223	535	688
Estates	153	79	74
Corporations	794	255	539
Total	2,170	869	1,301

BOROUGH OF BROOKLYN.
Final Assessment Rolls, 1910 and 1911.

	Valuations, 1910.	Valuations, 1911.	Increase.	Decrease.
Personal, resident	\$43,614,020	\$39,586,345	.....	\$4,027,675
Estates	8,386,455	8,252,871	.....	133,584
Resident corporations	6,741,000	7,381,700	640,700	.....
Non-resident corporations	537,850	591,700	53,850	.....
Tax Law, section 7, subdiv. 2	52,500	43,000	.....	9,500
Total	\$59,331,825	\$55,855,616	\$694,550	\$4,170,759
	55,855,616			694,500
Decrease	\$3,476,209			\$3,476,209

Assessed Valuations, Personal Property, on Annual Record, January 9, 1911, and on Final Assessment Rolls, 1911.

	Annual Record.	Additions.	Cancelled.	Assessment Roll.
Personal, resident	\$106,877,750	\$18,050	\$67,309,455	\$39,586,345
Estates	38,903,305	2,500	30,652,934	8,252,871
Resident corporations	10,427,700	105,400	3,151,400	7,381,700
Non-resident corporations	811,500	.....	219,800	591,700
Tax Law, section 7, subdiv. 2	52,500	.....	9,500	43,000
Total	\$157,072,755	\$125,950	\$101,343,089	\$55,855,616

Names on Annual Record and on Final Assessment Rolls, 1911.

	Annual Record.	Cancelled.	Assessment Roll.
Personal	11,302	5,978	5,324
Estates	1,082	634	448
Resident corporations	1,942	601	1,341
Non-resident corporations	45	16	29
Non-resident individuals .....	.....	.....	.....
Tax Law, section 7, subdivision 2	8	4	4
Total	14,379	7,233	7,146

BOROUGH OF QUEENS.

Final Assessment Rolls, 1910 and 1911.

	Valuations, 1910.	Valuations, 1911.	Increase.	Decrease.
Personal, resident	\$4,129,150	\$3,681,575	.....	\$447,575
Estates	432,380	585,600	153,220	.....
Corporations, resident	793,950	1,001,700	207,750	.....
Corporations, non-resident	3,000	71,000	68,000	.....
Total	\$5,358,480	\$5,339,875	\$428,970	\$447,575
	5,339,875			428,970
Decrease	\$18,605			\$18,605

Assessed Valuations, Personal Property, on Annual Record, January 9, 1911, and on Final Assessment Rolls, 1911.

	Annual Record.	Additions.	Cancelled.	Assessment Roll.
Personal, resident	\$17,138,700	\$13,300	\$13,470,425	\$3,681,575
Estates	3,085,880	.....	2,500,280	585,600
Corporations, resident	1,482,200	20,000	500,500	1,001,700
Corporations, non-resident	129,000	.....	58,000	71,000
Totals	\$21,835,780	\$33,300	\$16,529,205	\$5,339,875

Names on Annual Record and on Final Assessment Rolls, 1911.

	Annual Record.	Cancelled.	Assessment Roll.
Personal	1,780	1,298	482
Estates	144	90	54
Corporations, resident	352	119	233
Non-resident corporations	7	3	4
Total	2,283	1,510	773

BOROUGH OF RICHMOND.

Final Assessment Rolls, 1910 and 1911.

	Valuations, 1910.	Valuations, 1911.	Increase.	Decrease.
Personal, resident	\$1,257,995	\$1,019,540	.....	\$238,455
Estates	522,092	545,245	\$23,153	.....
Corporations, resident	417,400	318,000	.....	99,400
Corporations, non-resident	10,000	60,000	50,000	.....
Total	\$2,207,487	\$1,942,785	\$73,153	\$337,855
	1,942,785			73,153
Decrease	\$264,702			\$264,702

Assessed Valuations, Personal Property, on Annual Record, January 9, 1911, and on Final Assessment Rolls, 1911.

	Annual Record.	Additions.	Cancelled.	Assessment Roll.
Personal, resident	\$2,000,740	\$4,000	\$985,200	\$1,019,540
Estates	2,207,450	2,500	1,664,705	545,245
Corporations, resident	549,500	1,500	233,000	318,000
Corporations, non-resident	60,000	.....	.....	60,000
Total	\$4,817,690	\$8,000	\$2,882,905	\$1,942,785

Names on Annual Record and on Final Assessment Rolls, 1911.			
	Annual Record.	Cancelled.	Assessment Roll.
Personal, resident	402	125	277
Estates	126	63	63
Corporations	94	40	54
Total	622	228	394

RECAPITULATION.

Comparative Statement Showing Assessed Valuations of Personal Property on the Final Assessment Rolls for 1910 and 1911 in The City of New York.

	Valuations, 1910.	Valuations, 1911.	Decrease.
Manhattan	\$298,030,483	\$289,797,952	\$8,232,531
The Bronx	7,716,550	4,986,895	2,729,655
Brooklyn	59,331,825	55,855,616	3,476,209
Queens	5,358,480	5,339,875	18,605
Richmond	2,207,487	1,942,785	264,702
Total	\$372,644,825	\$357,923,123	\$14,721,702
Decrease	\$14,721,702		

Summary of Assessed Valuations of Personal Property Shown on Annual Record, Values Cancelled and Amount Held on Final Assessment Rolls, by Boroughs, 1911.

	Annual Record.	Additions.	Cancelled.	Assessment Roll.
Manhattan	\$657,391,651	\$593,300	\$368,186,999	\$289,797,952
The Bronx	12,739,510	38,000	7,790,615	4,986,895
Brooklyn	157,072,755	125,950	101,343,089	55,855,616
Queens	21,835,780	33,300	16,529,205	5,339,875
Richmond	4,817,690	8,000	2,882,905	1,942,785
Total	\$853,857,386	\$798,550	\$496,732,813	\$357,923,123

Total Names on Annual Record January 9, 1911, by Boroughs, Number Cancelled and Number Held on Final Assessment Rolls for 1911.

	Annual Record.	Cancelled.	Assessment Roll.
Manhattan	44,604	18,941	25,663
The Bronx	2,170	869	1,301
Brooklyn	14,379	7,233	7,146
Queens	2,283	1,510	773
Richmond	622	228	394
Total	64,058	28,781	35,277

Detail, Personal Estate, City of New York, 1911.

Boroughs.	Resident Corporations.	Non-Resident Corporations.	Resident, Personal.	Non-Resident, Personal.	Estates.	Section 7, Subdivision 2.	Total, Personal.
Manhattan	\$74,409,100	\$24,294,900	\$117,266,147	\$14,789,000	\$55,472,210	\$3,566,595	\$289,797,952
The Bronx	1,395,600	74,000	2,539,225		978,070		4,986,895
Brooklyn	7,381,700	591,700	39,586,345		8,252,871	43,000	55,855,616
Queens	1,001,700	71,000	3,681,575		585,600		5,339,875
Richmond	318,000	60,000	1,019,540		545,245		1,942,785
Total	\$84,506,100	\$25,091,600	\$164,092,832	\$14,789,000	\$65,833,996	\$3,609,595	\$357,923,123

AGGREGATE ASSESSMENTS.

Assessed Valuations of Real and Personal Estate in The City of New York, by Boroughs, Since 1898, Date of Consolidation.

Manhattan.		The Bronx.		Brooklyn.		Queens.		Richmond.		Aggregate.
Real Estate.	Personal.	Real Estate.	Personal.	Real Estate.	Personal.	Real Estate.	Personal.	Real Estate.	Personal.	
1898	\$1,754,982,400	\$509,022,449	\$101,585,523	\$1,731,121	\$609,822,267	\$45,270,713	\$103,752,600	\$6,314,032	\$40,264,692	\$2,367,325,493
1899	2,054,903,875	483,675,942	123,702,030	6,806,988	651,408,500	43,937,440	104,427,772	5,498,681	42,723,924	3,478,352,029
1900	2,231,502,655	421,861,632	138,494,849	8,013,641	658,962,119	89,241,624	107,179,620	10,826,810	42,639,506	3,654,133,298
1901	2,285,188,713	428,279,951	143,808,303	12,188,607	658,962,119	85,577,102	108,859,704	9,026,134	38,814,181	3,787,970,873
1902	2,358,939,618	412,388,258	153,500,568	12,683,110	670,533,508	85,577,102	108,859,704	9,026,134	38,814,181	3,857,047,718
1903	3,483,793,382	549,843,253	247,090,767	14,762,041	853,760,357	100,052,348	123,781,723	10,176,900	43,124,597	5,432,416,918
1904	3,676,857,411	508,478,655	261,026,477	14,756,958	901,994,957	88,573,775	131,379,225	7,477,425	44,205,709	5,640,542,657
1905	3,820,754,181	568,390,790	274,859,593	16,673,625	940,982,302	90,911,963	140,404,990	9,094,738	44,581,235	5,912,144,227
1906	4,105,352,281	447,184,550	355,779,602	18,028,857	1,072,007,172	87,722,810	159,446,205	9,694,428	45,901,985	6,305,794,185
1907	4,391,970,951	432,654,158	396,687,730	14,115,699	1,181,221,910	92,866,547	217,668,775	11,191,262	52,931,236	6,795,370,473
1908	4,584,536,431	327,810,632	441,228,718	11,539,680	1,334,864,835	83,448,072	296,458,980	9,908,890	65,326,825	7,158,190,400
1909	4,614,446,286	332,202,634	462,704,008	13,959,671	1,354,809,840	84,332,190	308,112,605	9,673,200	67,106,965	7,250,500,559
1910	4,743,916,785	298,030,483	493,757,919	7,716,550	1,404,036,521	59,331,825	334,563,960	5,358,480	67,917,489	7,416,837,499
1911	5,037,872,685	289,797,952	605,222,933	4,916,895	1,689,171,283	55,855,616	446,569,352	5,339,875	80,003,911	8,216,763,287

Aggregate Assessments, Personal Estate in The City of New York.

1898	\$510,757,570	1905	\$690,561,926
1899	545,906,565	1906	567,306,940
1900	485,575,598	1907	554,889,871
1901	550,192,612	1908	435,774,611
1902	526,400,139	1909	443,320,855
1903	680,866,092	1910	372,644,825
1904	625,078,878	1911	357,923,123

Aggregate Assessments, Real Estate in The City of New York.

1898	\$1,856,567,923	1905	\$5,221,582,301
1899	2,932,445,464	1906	5,738,487,245
1900	3,168,557,700	1907	6,240,480,602
1901	3,237,778,261	1908	6,722,415,789
1902	3,332,647,579	1909	6,807,179,704
1903	4,751,550,826	1910	7,044,192,674
1904	5,015,463,779	1911	7,858,840,164

Tax Rate in the Several Boroughs of The City of New York, from 1898 to 1911, Including State Tax.

	Manhattan, Cents.	The Bronx, Cents.	Brooklyn, Cents.	Queens, Cents.	Richmond, Cents.	State Tax, Mills.
1898	2.01	2.01				2.08
1899	2.44804	2.4804	2.36424	3.27445	2.42373	2.49
1900	2.24771	2.24771	2.32113	2.34216	2.22073	1.96
1901	2.31733	2.31733	2.38853	2.35702	2.35191	1.20
1902	2.27344	2.27344	2.35353	2.31873	2.33653	.13
1903	1.41367	1.41367	1.48945	1.47508	1.49675	.13
1904	1.51342	1.51342	1.57296	1.57228	1.59281	.13
1905	1.49051	1.49051	1.56264	1.55523	1.55821	.09
1906	1.47890	1.47890	1.53769	1.55484	1.55422	.011495
1907	1.48499	1.48499	1.55408	1.53393	1.56798	.008642
1908	1.61407	1.61407	1.67021	1.66031	1.71115	
1909	1.67804	1.67804	1.73780	1.72536	1.77522	
1910	1.75790	1.75790	1.81499	1.81079	1.87501	
1911	1.72248	1.72248	1.75502	1.73645	1.81657	

Note—This report is dated July 1, 1911, but before going to press the tax rate for 1911 has been fixed by the Board of Aldermen and is accordingly inserted to facilitate comparison.

Note—The tax rates given for the several Boroughs include the State tax for the previous year. The Borough rates are given in cents, the State tax in mills, being the tax imposed on \$1 of the assessed valuation.

The tax rate in the four Counties varies because County expenses are a County charge.

Tax on Bank Shares by Boroughs, from 1899 to 1910.

Year.	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	Total Tax.
1899	\$1,761,742 33	\$2,232 96	\$102,706 40	\$8,819 19	\$3,846 98	\$1,879,347 86
1900	1,716,423 18	1,308 12	84,880 99	3,653 89	3,493 75	1,809,759 93
1901	1,742,918 95	3,893 31	77,072 25	3,521 91	2,721 60	1,830,128 02
1902	1,929,640 70	4,189 44	78,627 52	3,701 65	3,490 74	2,019,650 05
1903	2,574,871 01	2,997 52	76,875 40	6,707 50	5,148 74	2,666,600 17
1904	2,596,261 49	3,206 68	81,184 97	6,607 21	4,275 24	2,691,535 59
1905	2,670,676 31	3,667 64	79,477 85	6,924 35	3,425 35	2,764,171 50
1906	2,781,894 83	4,281 18	103,978 87	7,374 25	4,037 30	2,901,566 43
1907	3,035,153 00	5,677 84	87,478 92	10,642 53	4,810 63	3,143,761 92
1908	2,985,490 93	9,106 81	78,996 15	12,795 06	5,017 65	3,091,406 60
1909	3,126,013 84	10,198 72	107,233 00	14,707 76	5,106 35	3,263,259 67
1910	3,308,254 91	10,688 88	100,184 23	21,080 60	5,329 61	3,445,538 23

Section 24 of the Tax Law provides for the assessment of bank shares at their book value and for a uniform tax rate of 1 per cent. throughout the State. The assessment is made as of June 1 and the tax is payable December 31.

Bank share assessments are not included in the aggregate assessments of real and personal property submitted in this report. The tax when collected is turned into the General Fund, and becomes available for the general expenses of the City.

EXEMPTIONS.

List of Exempt Real Estate, as follows:

The United States Government—Exempted by Subdivision 1, Section 4, Tax Law.

	1908.	1909.	1910.	1911.
Forts	\$12,061,000	\$12,161,000	\$12,676,000	\$13,591,000
Navy Yard	26,660,000	26,660,000	26,660,000	26,872,400
Post Office	11,618,000	11,618,000	11,625,000	13,022,500
Custom House	7,900,000	7,900,000	7,900,000	8,000,000
Public places	60,000	60,000	60,000	225,000
Lighthouses	402,200	405,700	427,200	549,800
Barge Office	540,000	540,000	540,000	550,000
Army Building	810,000	810,000	810,000	810,000
Assay Office	2,155,000	2,130,000	2,100,000	2,400,000
Treasury Building	5,275,000	5,275,000	5,525,000	5,525,000
Coast Survey	140,000	140,000	140,000	
United States Appraisers' Stores	1,050,000	1,050,000	1,050,000	1,400,000
Government land under water	26,000	26,000	26,000	6,000
Cemeteries	843,100	1,043,100	1,043,100	1,051,000
Total	\$69,540,300	\$69,818,800	\$70,582,300	\$74,002,700

The State of New York—Exempted by Subdivision 2, Section 4, Tax Law.

	1908.	1909.	1910.	1911.
Armories	\$1,192,500	\$1,252,500	\$1,252,500	\$2,167,800
State Normal School	155,000	200,000	200,000	
Rifle Range	143,000	129,900	129,900	132,500
State Lands	86,450	61,250	110,000	183,975
Quarantine	64,500	64,500	64,500	64,500
Land Under Water				700,000
Total	\$1,641,450	\$1,708,150	\$1,756,900	\$3,248,775

The City of New York—Exempted by Subdivision 3, Section 4, Tax Law, Except Rapid Transit (Subway), which is Exempted by Contract.

	1908.	1909.	1910.	1911.
Bath houses	\$1,503,500	\$2,776,500	\$2,266,700	\$2,532,750
Recreation Piers	910,000	1,146,000	1,175,000	1,332,000
Board of Education	90,192,375	92,283,825	98,583,250	108,802,700
Fire Department	6,839,900	7,149,500	7,455,300	7,934,425
Street Cleaning Department	814,350	788,350	788,350	970,750
Department of Water Supply, Gas and Electricity, Aqueduct Commission	36,369,850	40,167,480	43,556,130	49,400,040
Department of Docks and Ferries (piers, bulkheads and land under water)	64,024,900	66,522,700	75,997,550	99,082,215
Department of Bridges	54,869,970	58,269,300	79,000,100	95,453,200
Department of Correction	15,762,000	18,285,500	19,015,500	23,326,800
Department of Public Charities	26,670,850	31,490,700	25,966,400	27,752,200
Department of Parks (public places and buildings)	435,739,390	435,342,205	445,163,255	506,915,980
Armories	12,101,800	12,171,000	12,892,500	13,863,000

	1908.	1909.	1910.	1911.
Department of Health.....	853,500	855,500	938,500	1,082,350
Libraries (public).....	16,659,800	18,131,000	18,785,500	19,914,100
Police Department.....	5,541,300	5,776,400	6,540,150	7,000,150
Sewerage System.....	52,419,550	55,669,250	56,661,450	72,386,775
Fire and Police Electric System...	1,755,000	1,755,000	1,741,000	1,596,000
Corporation Yards.....	322,000	415,000	418,500	477,600
Markets.....	6,322,550	6,472,550	6,442,550	7,642,300
Rapid Transit (subway).....	46,419,000	65,025,300	60,914,800	72,715,300
Use not determined.....	6,700	6,700	6,700	22,383,900
Total.....	\$876,098,285	\$920,499,760	\$964,309,185	\$1,142,564,535

Other Owners, Corporations, Associations, etc.—Exempted by Subdivision 5, 7, 9, 10 and 11, Section 4, Tax Law, and in a Few Cases by the Charter of the Corporation or by Special Laws.

	1908.	1909.	1910.	1911.
Churches, synagogues, monasteries, convents, mission and parish houses, including parochial schools, theological seminaries and cemeteries located on church lots, subdivision 7, section 4.....	159,558,225	\$163,699,010	\$168,780,310	\$179,777,730
Asylums and homes, subdivision 7, section 4.....	25,539,925	26,082,925	26,826,125	30,548,280
Hospitals, infirmaries and dispensaries, subdivision 7, section 4.....	27,092,050	28,478,350	29,620,725	32,296,825
Christian, social, moral and mental, benevolent associations and aid societies, nurseries, settlement and lodging houses and Salvation Army properties, subdivision 7, section 4.....	23,738,950	25,152,250	27,742,125	31,254,195
Colleges, schools, academies and training schools, subdivision 7, section 4.....	27,952,750	32,278,050	33,374,201	42,231,850
Cemeteries, subdivision 7, section 4.....	21,303,900	21,921,000	22,246,950	26,210,495
Libraries, other than City, subdivision 7, section 4.....	5,640,000	5,760,400	6,102,400	6,386,900
Parsonages, subdivision 9, section 4.....	1,005,100	985,050	1,112,000	1,089,300
Agricultural societies, subdivision 10, section 4.....	18,500	18,500	15,500	15,500
Pensioners, subdivision 5, section 4.....	483,578	513,781	491,693	524,959
Clergy, subdivision 11, section 4.....	270,785	385,425	300,675	303,785
Rapid Transit Subway L. 1891, chap. 4, section 35.....			5,753,050	5,753,050
Total.....	\$292,603,763	\$305,274,741	\$322,365,754	\$356,392,869

	1908.	1909.	1910.	1911.
Manhattan.....	\$901,855,690	\$932,705,650	\$973,393,176	\$1,095,927,075
The Bronx.....	83,734,580	87,679,385	91,328,650	141,965,975
Brooklyn.....	213,147,395	230,774,655	242,964,747	276,576,412
Queens.....	28,443,637	33,021,700	37,470,705	46,254,890
Richmond.....	12,702,496	13,120,061	13,856,861	15,484,527
Total.....	\$1,239,883,798	\$1,297,301,451	\$1,359,014,139	\$1,576,208,879

Calendar.

April 1. Commence to assess. Section 889.
October 1. Public inspection of annual record. Section 892.
November 15. Real estate books closed. Section 892.
November 30. Personal books closed. Section 892.
February 1. Make up assessment rolls. Section 898.
March 1. Deliver assessment rolls to Board of Aldermen. Section 907.
March 3. Board of Aldermen fix tax rate. Section 907.
March 28. Deliver assessment rolls to Receiver of Taxes. Section 911.
May 1. All personal taxes and half real estate taxes payable in May. If second half paid, rebate at the rate of 4 per cent. per annum to November 1. Section 914.
June 1. Interest at 7 per cent. runs from May 1 on unpaid taxes due in May. Section 916.
November 1. Second half of real estate taxes payable. Section 914.
December 1. Interest at 7 per cent. from November 1 on unpaid taxes due in November. Section 916.

Apportionments.

Apportionments may be made on the annual record up to the 1st of February upon notice. If notice is mailed after the 25th day of October, owners may apply for correction within 20 days after the mailing of the notice. In practice it is probable apportionments on the annual record cannot be made after about December 15th. Section 892-a.

August 5, 1911.

The Honorable Commissioners of Taxes and Assessments:

Gentlemen—I have the honor to submit a statement of the transactions of my office for the quarter ending June 30, 1911.

Lot Alterations.

Borough of Manhattan—Alterations were made affecting 163 lots in the 37 volumes of block tax assessment maps.

Borough of The Bronx—Alterations were made affecting 546 lots in the 31 volumes of block tax assessment maps and in the 6 volumes of tentative maps.

Borough of Brooklyn—Alterations were made affecting 2,514 lots in the 118 volumes of block tax assessment maps.

Borough of Queens—Alterations were made affecting 1,471 lots in the 49 volumes of tentative maps.

Borough of Richmond—Alterations were made affecting 715 lots in the 13 volumes of tentative maps.

The duplicate copies of the tax maps used by the Deputy Tax Commissioners in all of the Boroughs, and the copies of the block tax assessment maps in the offices of the Bureau of Arrears and Water Registrar in the Boroughs of Manhattan, The Bronx and Brooklyn, were corrected to correspond with the alterations made on the original maps.

Corporations not heretofore entered, liable to a real estate tax, and corporations reported by the State Board of Tax Commissioners, liable to a special franchise tax, were numbered, entered and shown on the tax maps.

The number of volumes of tax maps in the different departments now in actual use for purposes of levying taxes, water rents, assessments and arrears, is as follows:

Department of Taxes and Assessments.....	254
Duplicates used by Deputy Tax Commissioners.....	254
Comptroller's Office, Bureau of Arrears.....	186
Department of Water Supply, Water Registrar.....	186

Total..... 880

Lands Acquired for Public Purposes.

Lands acquired for street and other public purposes in 78 proceedings were properly shown on the tax maps; 6 of the proceedings were in the Borough of Manhattan; 9 in the Borough of The Bronx; 53 in the Borough of Brooklyn; 8 in the Borough of Queens, and 2 in the Borough of Richmond.

Street Closing.

The Board of Estimate and Apportionment discontinued and closed one street in the Borough of The Bronx and one in the Borough of Brooklyn, which were taken from the maps.

Changes in Street Names.

Pursuant to ordinances nine street names were changed, three in the Borough of Manhattan, and six in the Borough of The Bronx.

New Tentative Maps.

Maps are in preparation for the Twenty-fourth Ward, east of the Bronx River, in the Borough of The Bronx.

Land Value Maps.

Maps showing unit values established for the year 1911, to be published by the "Real Estate Record and Guide," were in progress during the quarter.

Miscellaneous.

A map of Wards Island was prepared for the Corporation Counsel.

A map of waterfront of the Borough of Brooklyn, from Newtown Creek to Gowanus Bay, was prepared to aid in equalizing values.

A map of the entire waterfront of New York City is in progress.

Respectfully submitted, (Signed) HENRY W. VOGEL, Surveyor.

DEPARTMENT OF HEALTH.

REPORT FOR WEEK ENDING SATURDAY, 12 M., DECEMBER 2, 1911.

Borough.	Population U. S. Census April 15, 1910.	Estimated Population July 1, 1911.	Deaths.		Births.	Marriages.	Still-births.	Death-rate.	
			1910.	1911.				1910.	1911.
Manhattan.....	2,331,542	2,389,204	694	624	1,252	702	79	15.46	13.63
The Bronx.....	430,980	483,224	130	108	206	34	10	15.43	11.66
Brooklyn.....	1,634,351	1,710,861	473	455	793	311	33	14.98	13.88
Queens.....	284,041	310,523	67	76	160	77	13	12.12	12.77
Richmond.....	85,969	89,573	21	28	22	6	3	12.65	16.31
City of New York.....	4,766,883	4,983,385	1,385	1,291	2,433	1,130	138	15.04	13.52

† The presence of several large institutions, the great majority of whose inmates are residents of the other Boroughs, increases considerably the death-rate of this Borough.

Cases of Infectious and Contagious Diseases Reported.

	Week Ending—											
	Sept. 9.	Sept. 16.	Sept. 23.	Sept. 30.	Oct. 7.	Oct. 14.	Oct. 21.	Oct. 28.	Nov. 4.	Nov. 11.	Nov. 18.	Nov. 25.
Tuberculosis Pulmonalis.....	415	424	465	464	408	394	384	407	389	347	538	405
Diphtheria and Croup.....	146	130	192	145	179	182	196	196	228	248	254	260
Measles.....	81	79	86	71	76	82	96	101	113	116	167	154
Scarlet Fever.....	41	37	56	75	65	91	122	105	106	122	96	178
Small-pox.....	1	1	1	1	1	1	1	1	1	1	1	1
Varicella.....	1	1	1	1	1	1	1	1	1	1	1	1
Typhoid Fever.....	136	97	154	132	90	97	133	110	94	92	125	87
Whooping Cough.....	23	42	47	49	35	25	38	35	46	36	23	42
Cerebro-Spinal Meningitis.....	7	7	4	6	3	3	2	2	8	3	4	5
Total.....	853	823	1,027	956	875	914	1,001	1,039	1,038	1,093	1,342	1,350

Deaths by Principal Causes, According to Locality and Age.

Boroughs.	Contagious Diseases elsewhere.	Malarial Diseases.	Whooping Cough.	Tuberculosis Pulmonalis.	Cerebro-Spinal Meningitis.	Bronchitis.	Diarrhoeal Diseases.	Diarrhoeal Diseases under 5 Years.	Pneumonia.	Broncho-Pneumonia.	Suicides.	Homicides.	Accidents.	Under 1 Year.	Under 5 Years.	5-65 Years.	65 Years and Over.
Manhattan.....	15	..	75	11	17	14	45	45	13	3	29	117	156	355	113	113	113
The Bronx.....	5	..	24	1	1	..	7	4	4	1	2	13	20	69	19	19	19
Brooklyn.....	18	..	49	11	14	11	38	45	3	1	20	93	136	231	88	88	88
Queens.....	2	..	8	..	1	1	4	4	1	1	2	16	20	43	13	13	13
Richmond.....	3	..	2	..	..	..	2	2	2	1	1	5	6	14	8	8	8
Total.....	43	..	158	1	24	26	96	100	19	5	54	244	338	712	241	241	241

Deaths According to Cause, Age and Sex.

	Total Deaths.	Deaths in Corresponding Week of 1910.	Males.	Females.	*Under 1 Year.	1 Year and Under 2.	2 and Under 5.	Under 5 Years.	5-15.	15-25.	25-45.	45-65.	65 and Over.
Total, all causes	1,291	1,385	694	597	244	53	41	338	41	55	262	354	241
1. Typhoid Fever.....	13	15	8	5	..	..	..	..	2	1	6	4	..
2. Malarial Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Small-pox.....	1	..	1	..	..	..	..	..	1	..	..	..	..
4. Measles.....	1	4	1	..	1	..	..	1	..	..	..	..	..
5. Scarlet Fever.....	4	10	1	3	2	..	..	2	..	..	..	..	..
6. Whooping Cough.....	3	4	1	2	1	2	..	3	..	..	..	..	..
7. Diphtheria and Croup.....	24	24	11	13	1	6	8	15	9	..	..	..	..
8. Influenza.....	5	3	1	4	..	1	..	1	..	..	1	1	2
9. Other Epidemic Diseases.....	6	6	6	..	3	..	..	3	..	..	..	2	1
10. Tuberculosis Pulmonalis.....	158	139	90	68	..	1	..	1	3	19	82	46	7
11. Tuberculous Meningitis.....	7	14	3	4	..	1	4	5	2	..	..	..	..
12. Other forms of Tuberculosis.....	10	8	5	5	..	..	1	1	1	4	2	2	..
13. Cancer, Malignant Tumor.....	87	72	51	36	..	..	..	..	..	1	16	48	22
14. Simple Meningitis.....	7	15	4	3	1	1	4	6	..	..	..	1	..
15. Of which.....	1	10	..	1	..	..	1	1	..	..	..	..	..
16. Cerebro-Spinal Meningitis.....	1	10	..	1	..	..	1	1	..	..	..	..	..
17. Apoplexy, and Softening of the Brain.....	18	25	11	7	..	..	..	..	..	2	10	6	..
18. Organic Heart Diseases.....	157	160	76	81	..	..	..	..	2	5	26	57	67
19. Acute Bronchitis.....	24	15	9	15	17	3	1	21	1	..	..	..	2
20. Chronic Bronchitis.....	3	8	..	3	..	..	..	..	..	..	..	1	2
21. Pneumonia (excluding Broncho-Pneumonia).....	96	148	45	51	9	11	6	26	2	..	17	31	20
22. Broncho-Pneumonia.....	100	99	57	43	57	16	5	78	1	1	4	5	11
23. Other Respiratory Diseases.....	15	25	6	9	3	1	1	5	2	..	3	3	2
24. Diseases of the Stomach (Cancer excepted).....	8	8	5	3	2	..	..	2	..	1	3	2	..
25. Diarrhoeal diseases (under 5 years).....	26	30	16	10	23	2	1	26	..	..	..	..	..
26. Appendicitis and Typhilitis.....	10	9	3	7	..	..	..	..	1	2	3	4	..
27. Hernia, Intestinal Obstruction.....	7	9	6	1	1	..	..	1	..	1	..	4	1
28. Cirrhosis of Liver.....	20	29	14	6	..	..	..	..	..	6	11	3	..
29. Bright's Disease and Nephritis.....	79	104	38	41	1	..	1	2	3	3	9	35	27
30. Diseases of Women (not Cancer).....	4	4	..	4	..	..	..	..	..	1	3	..	..
31. Puerperal Septicemia.....	2	5	..	2	..	..	..	..	1	1	..	..	..
32. Other Puerperal Diseases.....	4	10	..	4	..	..	..	..	..	..	4	..	..
33. Congenital Debility and Malformations.....	75	64	33	42	72	2	..	74	1	..	..	..	..
34. Old Age.....	6	9	1	5	..	..	..	..	..	..	..	..	6
35. Violent Deaths.....	59	78	43	16	2	1	7	10	4	5	20	13	7
a. Sunstroke.....	..	..	..	..	..	..	..	..	..	..	..	..	..
b. Other Accidents.....	54	72	39	15	2	1	7	10	4	5	16	12	7
c. Homicide.....	5	6	4	1	..	..	..	..	..	..	4	1	..
36. Suicide.....	19	14	13	6	..	..	..	..	5	9	4	1	..
37. All other causes.....	224	211	132	92	43	1	2	46	4	5	45	70	54
38. Ill-defined causes.....	9	7	3	6	8	1	..	9	..	..	..	..	..

Deaths According to Cause, Annual Rate per 1,000 and Age, with Meteorology and Number of Deaths in Public Institutions for 13 Weeks.

Week Ending.	Sept. 9.	Sept. 16.	Sept. 23.	Sept. 30.	Oct. 7.	Oct. 14.	Oct. 21.	Oct. 28.	Nov. 4.	Nov. 11.	Nov. 18.	Nov. 25.	Dec. 2.
Total deaths.....	1,265	1,208	1,330	1,233	1,204	1,299	1,244	1,157	1,284	1,276	1,284	1,378	1,291
Annual death-rate....	13.24	12.65	13.92	12.91	12.60	13.60	13.24	12.12	13.44	13.36	13.44	14.43	13.52
Typhoid Fever.....	16	19	22	17	11	22	11	13	15	14	13	14	13
Malarial Fevers.....	1	1	1	2	2	1	2	2	1	1	1	1	1
Small-pox.....	1	1	1	1	1	1	1	1	1	1	1	1	1
Measles.....	4	5	3	4	3	3	2	4	2	4	5	2	1
Scarlet-Fever.....	2	2	2	5	2	2	1	3	3	4	2	2	1
Whooping Cough.....	5	11	11	8	8	6	7	4	6	7	4	15	24
Diphtheria and Croup.....	11	12	11	11	20	17	13	17	17	12	28	15	4
Influenza.....	1	4	1	1	2	1	4	6	6	6	2	4	5
Cerebro-Spinal Meningitis.....	5	5	5	4	3	3	3	3	6	6	6	2	1
Tuberculosis.....	160	149	155	145	136	148	153	147	154	139	160	170	158
Other Tuberculous.....	19	24	20	25	26	31	13	18	27	25	22	16	17
Acute Bronchitis.....	8	7	9	9	11	11	18	14	13	22	17	22	24
Pneumonia.....	38	32	46	43	54	56	77	67	74	73	80	100	96
Broncho-Pneumonia.....	55	55	52	62	48	55	73	77	57	70	72	100	100
Diarrhoeals under 5.....	187	167	154	135	133	116	79	53	57	46	46	37	26
Under one year Diarrhoeal Diseases.....	148	135	122	100	103	95	61	47	46	39	40	34	23
Other Causes under 1.....	161	187	202	191	298	189	195	184	204	205	163	212	241
Institutions under 1.....	38	31	33	22	21	30	20	13	13	13	18	13	8
Tenements.....	110	104	89	78	82	63	41	34	33	26	22	19	15
Violent Deaths.....	73	67	79	82	66	78	62	73	63	61	67	67	59
Under one year.....	309	322	324	291	301	284	256	231	250	244	203	246	244
Under five years.....	423	431	440	414	411	395	335	318	348	328	307	330	338
Five to Sixty-five.....	655	615	683	631	614	681	704	643	704	722	744	779	712
Sixty-five years and over.....	187	162	207	188	179	1223	225	196	232	226	233	269	241
In Public and Private Institutions.....	467	469	529	489	405	462	489	452	513	490	475	512	429
Inquest cases.....	188	170	187	172	172	177	160	173	178	176	201	204	183
Mean barometer.....	30.197	29.934	30.023	29.987	29.919	30.046	29.968	30.109	30.135	30.019	29.849	29.836	29.875
Mean humidity.....	75.	69.	71.	72.7	70.	65.	63.	63.	56.	69.	57.	59.	64.
Inches of rain or snow.....	.11 in.	.30 in.	.44 in.	.06 in.	2.38 in.	.15 in.	4.22 in.	.73 in.	1.49 in.	2.32 in.	.90 in.	.41 in.	.41 in.
Mean temperature (Fahrenheit).....	69.8°	66.0°	70.2°	64.3°	55.9°	57.0°	59.9°	54.0°	47.5°	50.1°	39.4°	37.9°	41.6°
Maximum temperature (Fahrenheit).....	85.0°	84.0°	82.0°	86.0°	73.0°	69.0°	71.0°	66.0°	63.0°	64.0°	70.0°	50.0°	59.0°
Minimum temperature (Fahrenheit).....	59.0°	46.0°	58.0°	48.0°	43.0°	41.0°	51.0°	40.0°	32.0°	41.0°	25.0°	28.0°	30.0°

Infectious and Contagious Diseases in Hospital.

	Willard Parker Hospital.	Riverside Hospital.	Kingston Avenue Hospital.	Otisville Sanatorium.
Scarlet Fever.	118	68	186	4
Diphtheria.	25	23	48	2
Total.	143	91	234	6
Remaining, Nov. 25, '11	118	68	186	4
Admitted	25	23	48	2
Discharged	9	29	38	4
Died.	3	3	3	1
Remaining, Dec. 2, '11	134	59	193	2
Total treated	143	91	234	6

Cases of Infectious and Contagious Diseases Reported and Deaths from the Same, by Wards.

		Sickness.					Deaths Reported.									
		Typhoid Fever.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Tuberculosis Pulmonalis.	Typhoid Fever.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Tuberculosis Pulmonalis.	Pneumonia.	Broncho-Pneumonia.	All Causes.
The Bronx.	First.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Second.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Third.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fourth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fifth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Sixth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Seventh.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Eighth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Ninth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Tenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Eleventh.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twelfth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Thirteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fourteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fifteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Sixteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Seventeenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Eighteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Nineteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twentieth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twenty-first.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twenty-second.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twenty-third.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twenty-fourth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Total.....	51	192	87	101	244	4	4	1	2	13	99	52	49	732	
Brooklyn.	First.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Second.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Third.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fourth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fifth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Sixth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Seventh.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Eighth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Ninth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Tenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Eleventh.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twelfth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Thirteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fourteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fifteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Sixteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Seventeenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Eighteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Nineteenth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twentieth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twenty-first.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twenty-second.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twenty-third.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Twenty-fourth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Total.....	28	56	66	100	86	9	9	1	1	7	49	38	45	455	
Queens.	First.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Second.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Third.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fourth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fifth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Total.....	2	1	5	8	14	19	1	1	1	1	8	4	4	76	

		Sickness.					Deaths Reported.									
		Typhoid Fever.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Tuberculosis Pulmonalis.	Typhoid Fever.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Tuberculosis Pulmonalis.	Pneumonia.	Broncho-Pneumonia.	All Causes.
Richmond.	First.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Second.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Third.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fourth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Fifth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Total.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Chemical Analysis of Croton Water, November 28, 1911.

	Results Expressed in Parts by Weight in One Hundred Thousand.	Results Expressed in Grains Per U. S. Gallon of 231 Cubic Inches.
Appearance.....	Slightly turbid.	.....
Color.....	Light yellow.	.....
Odor (Heated to 100° Fahr.).....	Marshy.	.....
Chlorine in Chlorides.....	0.430	0.251
Equivalent to Sodium Chloride.....	0.719	0.414
Phosphates (P ₂ O ₅).....	None.	None.
Nitrogen in Nitrites.....	Trace.	Trace.
Nitrogen in Nitrates.....	0.0350	0.0146
Free Ammonia.....	0.0060	0.0035
Albuminoid Ammonia.....	0.0182	0.0106
Hardness equivalent to Carbonate of Lime Before boiling.....	3.12	1.82
After boiling.....	3.12	1.82
Organic and volatile (loss on ignition).....	2.00	1.17
Mineral matter (non-volatile).....	6.20	3.61
Total solids (by evaporation).....	9.20	4.78
Temperature at hydrant, 42° Fahr.		

CITY COURT OF THE CITY OF NEW YORK.

ASSIGNMENTS, CITY COURT OF THE CITY OF NEW YORK.

Assignment of Terms and Justices for the Year 1912.

We, the Justices of the City Court of The City of New York, do hereby appoint the following times for holding the Special, Equity and Trial Terms of said Court, and assign Justices to hold the said terms during the year 1912.

Trial Terms.

Each and every Trial Term appointed shall commence on the first Monday of the month for which it is assigned, and be continued until and including the fourth Friday thereafter, except that in the month of January the Term shall commence on the second day of the month, and in the months of November and December the Term shall end on the 27th and 24th days of said months, respectively, unless continued by the Justice presiding.

Part I.

January	Justice Lynch	April	Justice Finelite	October	Justice La Fetra
February	Justice McAvoy	May	Justice Schmuck	November	Justice Green
March	Justice Donnelly	June	Justice Schmuck	December	Justice Schmuck

Part II.

January	Justice Green	April	Justice Schmuck	October	Justice Finelite
February	Justice La Fetra	May	Chief Justice O'Dwyer	November	Justice McAvoy
March	Justice Smith	June	Justice Donnelly	December	Justice Lynch

Part III.

January	Justice Delehanty	April	Justice Green	October	Justice Smith
February	Justice Finelite	May	Justice McAvoy	November	Justice La Fetra
March	Justice Schmuck	June	Justice Smith	December	Justice Smith

Part IV.

January	Justice Smith	April	Justice La Fetra	October	Justice Green
February	Justice Schmuck	May	Justice Finelite	November	Justice Lynch
March	Chief Justice O'Dwyer	June	Justice La Fetra	December	Justice Donnelly

Part V.

January	Justice Schmuck	April	Justice Donnelly	October	Justice Donnelly
February	Justice Green	May	Justice Green	November	Justice Finelite
March	Justice Lynch	June	Justice Lynch	December	Chief Justice O'Dwyer

Part VI.

January	Justice McAvoy	April	Justice Delehanty	October	Justice Lynch
February	Justice Smith	May	Justice Donnelly	November	Chief Justice O'Dwyer
March	Justice Delehanty	June	Justice Finelite	December	Justice La Fetra

Part VII.

January	Justice Finelite	April	Justice Lynch	October	Justice Schmuck
February	Chief Justice O'Dwyer	May	Justice Delehanty	November	Justice Delehanty
March	Justice McAvoy	June	Justice McAvoy	December	Justice Finelite

Part VIII.

January	Justice Donnelly	April	Chief Justice O'Dwyer	October	Justice McAvoy
February	Justice Lynch	May	Justice La Fetra	November	Justice Smith
March	Justice Green	June	Justice Delehanty	December	Justice Delehanty

*Special Terms.**Part I.*

January 2 to 17.....	Justice La Fetra
January 18 to February 3.....	Chief Justice O'Dwyer
February 5 to 17.....	Justice Delehanty
February 19 to March 2.....	Justice Donnelly
March 4 to 16.....	Justice Finelite
March 18 to 30.....	Justice La Fetra
April 1 to 17.....	Justice Smith
April 18 to May 4.....	Justice McAvoy
May 6 to 18.....	Justice Smith
May 20 to June 1.....	Justice Lynch
June 3 to 15.....	Chief Justice O'Dwyer
June 17 to 29.....	Justice Green
July 1 to 10.....	Justice McAvoy
July 11 to 20.....	Justice Lynch
July 22 to 31.....	Justice Schmuck
August 1 to 10.....	Justice Green
August 12 to 21.....	Justice Smith
August 22 to 31.....	Justice Donnelly
September 3 to 11.....	Justice Finelite
September 12 to 20.....	Justice Delehanty
September 21 to 28.....	Justice La Fetra
September 30 to October 5.....	Chief Justice O'Dwyer
October 7 to 19.....	Chief Justice O'Dwyer
October 21 to November 2.....	Justice Delehanty
November 4 to 16.....	Justice Donnelly
November 18 to 30.....	Justice Schmuck
December 2 to 18.....	Justice Green
December 19 to January 4, 1913.....	Justice McAvoy

Part II.

January 2 to 17.....	Chief Justice O'Dwyer
January 18 to February 3.....	Justice La Fetra
February 5 to 17.....	Justice Donnelly
February 19 to March 2.....	Justice Delehanty
March 4 to 16.....	Justice La Fetra
March 18 to 30.....	Justice Finelite
April 1 to 17.....	Justice McAvoy
April 18 to May 4.....	Justice Smith
May 6 to 18.....	Justice Lynch
May 20 to June 1.....	Justice Smith
June 3 to 15.....	Justice Green
June 17 to 29.....	Chief Justice O'Dwyer
July 1 to 10.....	Justice McAvoy
July 11 to 20.....	Justice Lynch
July 22 to 31.....	Justice Schmuck
August 1 to 10.....	Justice Green
August 12 to 21.....	Justice Smith
August 22 to 31.....	Justice Donnelly
September 3 to 11.....	Justice Finelite
September 12 to 20.....	Justice Delehanty
September 21 to 28.....	Justice La Fetra
September 30 to October 5.....	Chief Justice O'Dwyer
October 7 to 19.....	Justice Delehanty
October 21 to November 2.....	Chief Justice O'Dwyer
November 4 to 16.....	Justice Schmuck
November 18 to 30.....	Justice Donnelly
December 2 to 18.....	Justice McAvoy
December 19 to January 4, 1913.....	Justice Green

Trial Parts and Special Terms open daily at 10 o'clock a. m. Calendar called in Part I. at 9.45 a. m.

Adopted in convention, December 6, 1911.

EDWARD F. O'DWYER, F. B. DELEHANTY, JOS. I. GREEN, ALEXANDER FINELITE, THOMAS F. DONNELLY, JOHN V. McAVOY, PETER SCHMUCK, EDWARD B. LA FETRA, RICHARD T. LYNCH, R. H. SMITH.

I, Thomas F. Smith, Clerk of the City Court of The City of New York, do hereby certify that the foregoing is a copy of the assignment of Justices to hold the terms and designation of the terms to be held by the Court during the year 1912.

Dated, Brownstone Building, 32 Chambers street, this 6th day of December, 1911.

THOMAS F. SMITH, Clerk.

LAW DEPARTMENT.

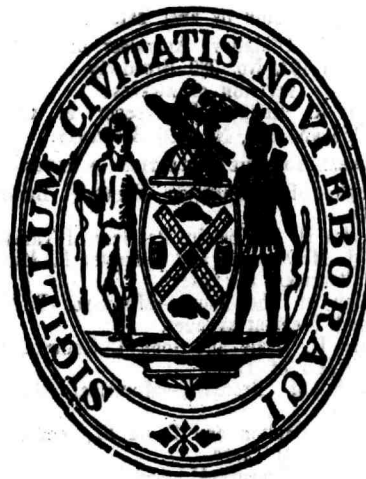
Bureau for the Recovery of Penalties.

Statement and return of moneys received by Herman Stiefel, Assistant Corporation Counsel, Bureau for the Recovery of Penalties, for the month of November, 1911, rendered to the Comptroller:

Date.	What For.	Collections and Penalties.	Costs.	Total Amount.
1911.				
Nov. 1	Violation Corporation Ordinances.....	\$55 00	\$10 00	\$65 00
Nov. 1	In the matter of the Commissioner of Public Charities vs. Nathan Mayer..	6 00	.....	6 00
Nov. 1	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Nov. 1	In the matter of the Commissioner of Public Charities vs. William R. Cochrane and Ernestine A. Cochrane	24 00	.....	24 00
Nov. 1	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary Anglin and Helen Anglin.	2 00	.....	2 00
Nov. 1	In the matter of the Commissioner of Public Charities vs. Alphonse Cahn..	10 00	.....	10 00
Nov. 1	In the matter of the Commissioner of Public Charities vs. Gilman E. Silsbe	25 00	.....	25 00
Nov. 1	In the matter of the Commissioner of Public Charities vs. Frank O. Granewicz	7 00	.....	7 00
Nov. 1	Violation Fire Law.....	50 00	.....	50 00
Nov. 2	Violation Corporation Ordinances (judgment, \$37).....	.....	2 00	39 00
Nov. 2	In the matter of the Commissioner of Public Charities vs. Louis J. Snuve.	3 00	.....	3 00
Nov. 2	In the matter of the Commissioner of Public Charities vs. Michael Russo..	150 00	.....	150 00
Nov. 2	Violation Fire Law.....	50 00	10 00	60 00
Nov. 3	Violation Corporation Ordinance.....	30 00	6 00	36 00
Nov. 3	In the matter of the Commissioner of Public Charities vs. Louis H. Freiermuth	160 00	.....	160 00
Nov. 3	In the matter of the Commissioner of Public Charities vs. Michael Griffin, Patrick F. Reilly and Mamie Griffin.	3 00	.....	3 00
Nov. 3	In the matter of the Commissioner of Public Charities vs. Samuel Mendelson	10 00	.....	10 00
Nov. 3	In the matter of the Commissioner of Public Charities vs. Humphrey Dunbar	160 00	.....	160 00
Nov. 3	Violation Fire Law.....	100 00	24 00	124 00
Nov. 4	Violation Corporation Ordinances.....	.....	47	47
Nov. 4	In the matter of the Commissioner of Public Charities vs. Reinhold Koschneider and Willis E. Rays.....	15 00	.....	15 00
Nov. 6	Violation Corporation Ordinances.....	20 00	2 00	22 00
Nov. 6	In the matter of the Commissioner of Public Charities vs. Max Porges.....	8 00	.....	8 00
Nov. 6	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Nov. 6	Violation Sanitary Code.....	55 00	12 00	67 00
Nov. 8	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary Anglin and Helen Anglin.....	2 00	.....	2 00
Nov. 8	In the matter of the Commissioner of Public Charities vs. Reuben Craft...	4 00	.....	4 00
Nov. 9	In the matter of the Commissioner of Public Charities vs. Morris Feld, Morris Pfaffinger and Meyer Feld..	28 50	.....	28 50
Nov. 9	In the matter of the Commissioner of Public Charities vs. John Degnan, Margaret Muldon and Margaret Degnan	3 00	.....	3 00
Nov. 9	In the matter of the Commissioner of Public Charities vs. Nicholas Toronto, Andrew Jarbievci and Peter C. Campbell	5 00	.....	5 00
Nov. 9	Violation Fire Laws.....	50 00	.....	50 00
Nov. 9	Violation Sanitary Code.....	10 00	14 00	24 00
Nov. 10	Violation Corporation Ordinances.....	30 00	.....	30 00
Nov. 10	In the matter of the Commissioner of Public Charities vs. Michael Griffin, Patrick F. Reilly and Mamie Griffin.	3 00	.....	3 00
Nov. 11	Violation Fire Law.....	50 00	.....	50 00
Nov. 13	Violation Corporation Ordinances.....	.....	2 00	2 00
Nov. 13	In the matter of the Commissioner of Public Charities vs. Michael Senna and Thomas Senna.....	30 00	.....	30 00
Nov. 13	In the matter of the Commissioner of Public Charities vs. Max Porges.....	8 00	.....	8 00
Nov. 13	In the matter of the Commissioner of Public Charities vs. Josef Katz, Arthur C. Craig and Allen Dillard.....	25 50	.....	25 50
Nov. 13	Violation Fire Law.....	50 00	.....	50 00
Nov. 14	Violation Corporation Ordinances.....	40 00	2 00	42 00
Nov. 14	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Nov. 14	In the matter of the Commissioner of Public Charities vs. Albert Zahn, Christian Kranenberg and Grace Zahn	5 00	.....	5 00
Nov. 14	Violation Sanitary Code.....	.....	12 00	12 00
Nov. 15	Violation Corporation Ordinances.....	60 00	4 00	64 00
Nov. 15	In the matter of the Commissioner of Public Charities vs. Isaac Cahn.....	40 00	.....	40 00
Nov. 16	Violation Corporation Ordinances.....	20 00	.....	20 00
Nov. 17	Violation Fire Law.....	25 00	.....	25 00
Nov. 17	In the matter of the Commissioner of Public Charities vs. Joe Bladrie.....	150 00	.....	150 00
Nov. 17	In the matter of the Commissioner of Public Charities vs. Edward Ackerson	165 00	.....	165 00
Nov. 17	In the matter of the Commissioner of Public Charities vs. Michael Griffin, Patrick F. Reilly and Mamie Griffin	3 00	.....	3 00
Nov. 18	Violation Corporation Ordinances.....	5 00	.....	5 00
Nov. 18	Violation Sanitary Code.....	20 00	.....	20 00
Nov. 20	Violation Corporation Ordinances.....	10 00	.....	10 00
Nov. 20	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary Anglin and Helen Anglin.....	2 00	.....	2 00

Date.	What For.	Collections and Penalties.	Costs.	Total Amount.
Nov. 20	In the matter of the Commissioner of Public Charities vs. Max Porges...	8 00	.....	8 00
Nov. 20	In the matter of the Commissioner of Public Charities vs. John Degnan, Margaret Muldon and Margaret Degnan	3 00	.....	3 00
Nov. 21	Violation Corporation Ordinances (judgment, \$65)	245 00	22 00	332 00
Nov. 21	In the matter of the Commissioner of Public Charities vs. Michael Senna and Thomas Senna.....	30 00	.....	30 00
Nov. 21	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Nov. 21	In the matter of the Commissioner of Public Charities vs. Isidor Kaiser, Nathan Becker and Philip Kaplan...	15 00	2 00	17 00
Nov. 21	In the matter of the Commissioner of Public Charities vs. Vincenzo Procaric, Michale Vieno and Antonio Marrino	8 75	.....	8 75
Nov. 21	Violation Fire Law.....	50 00	.....	50 00
Nov. 21	Violation Sanitary Code.....	15 00	6 50	21 50
Nov. 22	Violation Corporation Ordinances.....	30 00	.....	30 00
Nov. 22	In the matter of the Commissioner of Public Charities vs. Useh Dono, Isaac Sandusky and Simon Lipschitz.....	19 00	.....	19 00
Nov. 22	In the matter of the Commissioner of Public Charities vs. Morris Guttman and Abraham Atkins.....	22 00	.....	22 00
Nov. 23	Violation Corporation Ordinances.....	180 00	2 00	182 00
Nov. 23	In the matter of the Commissioner of Public Charities vs. Max Green, Lena Eiseman and Israel Pollock...	10 00	.....	10 00
Nov. 23	In the matter of the Commissioner of Public Charities vs. Frank R. Settle and Isaac Rudeman.....	21 00	.....	21 00
Nov. 23	In the matter of the Commissioner of Public Charities vs. Isaac Cahn.....	40 00	.....	40 00
Nov. 23	Violation Fire Law.....	100 00	.....	100 00
Nov. 24	Violation Corporation Ordinances.....	45 00	.....	45 00
Nov. 24	Violation Fire Law.....	50 00	.....	50 00
Nov. 24	Violation Sanitary Code.....	10 00	.....	10 00
Nov. 24	In the matter of the Commissioner of Public Charities vs. Philip Bamofsky and Sam Sklarsky.....	30 00	.....	30 00
Nov. 25	Violation Corporation Ordinances.....	10 00	.....	10 00
Nov. 25	In the matter of the Commissioner of Public Charities vs. Frank De Rosa.	40 00	.....	40 00
Nov. 27	Violation Corporation Ordinances.....	125 00	.....	125 00
Nov. 27	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary Anglin and Helen Anglin....	2 00	.....	2 00
Nov. 27	In the matter of the Commissioner of Public Charities vs. Max Porges.....	8 00	.....	8 00
Nov. 28	Violation Corporation Ordinances.....	160 00	2 00	162 00
Nov. 28	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Nov. 28	In the matter of the Commissioner of Public Charities vs. Henry Schlitz and Maddelina Schlitz	50 00	.....	50 00
Nov. 29	Violation Corporation Ordinances.....	42 00	2 00	44 00
Nov. 29	Violation Fire Law.....	25 00	.....	25 00
Nov. 29	Violation Sanitary Code.....	25 00	.....	25 00
Total amount collected.....				\$3,459 72
Amount paid to Commissioner of Public Charities, in abandonment and bastardy cases.....				\$1,378 75
Amount paid to Fire Commissioner, penalties collected for violation of laws relating to Fire Department.....				600 00
Amount paid Secretary, Board of Health, collections in matters of Board of Health.....				135 00
				2,113 75
Balance due The City of New York.....				\$1,345 97

HERMAN STIEFEL, Assistant Corporation Counsel.



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 the places where such offices are kept and such Courts are held, together with the heads of Departments and Courts.

CITY OFFICES.

MAYOR'S OFFICE.

No. 5 City Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 8020 Cortlandt.
WILLIAM J. GAYNOR, Mayor.
Robert Adamson, Secretary.
James Matthews, Executive Secretary.
James Matthews, Chief Clerk and Bond and Warrant Clerk.

BUREAU OF WEIGHTS AND MEASURES.
Room 7, City Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
John L. Walsh, Commissioner.
Telephone, 4334 Cortlandt.

BUREAU OF LICENSES.
9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4109 Cortlandt.
James G. Wallace, Jr., Chief of Bureau.
Principal Office, Room 1, City Hall.
Branch Office, Room 12A, Borough Hall, Brooklyn.

Branch Office, Richmond Borough Hall, Room 23, New Brighton, S. I.
Branch Office, Hackett Building, Long Island City, Borough of Queens.

ARMORY BOARD.

Mayor, William J. Gaynor; the Comptroller, William A. Prendergast; the President of the Board of Aldermen, John Purroy Mitchell; Brigadier-General George Moore Smith, Brigadier-General John G. Eddy, Commodore R. P. Forshew, the President of the Department of Taxes and Assessments, Lawson Purdy.

Clark D. Rhinehart, Secretary, Room Basement, Hall of Records, Chambers and Centre streets.

Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3900 Worth.

ART COMMISSION.

City Hall, Room 21.

Telephone call, 1197 Cortlandt.
Robert W. de Forest, Trustee Metropolitan Museum of Art, President; Herbert Adams, Sculptor, Vice-President; Charles Howland Russell, Trustee of New York Public Library, Secretary; A. Augustus Healy, President of the Brooklyn Institute of Arts and Sciences; William J. Gaynor, Mayor of The City of New York; Frederic B. Pratt, Francis C. Jones, Painter; R. T. H. Halsey, I. N. Phelps Stokes, Architect; John Bogart.
John Quincy Adams, Assistant Secretary.

BELLEVUE AND ALLIED HOSPITALS.
Office, Bellevue Hospital, Twenty-sixth street and First avenue.

Telephone, 4400 Madison Square.
Board of Trustees—Dr. John W. Brannan, President; James K. Paulding, Secretary; John G. O'Keefe, Arden M. Robbins, James A. Farley, Samuel Sachs, Leopold Stern; Michael J. Drummond, ex-officio.
General Medical Superintendent, Dr. George O'Hanlon.

BOARD OF ALDERMEN.
No. 11 City Hall, 10 a. m. to 4 p. m.; Saturdays, 10 a. m. to 12 m.
Telephone, 7560 Cortlandt.
John Purroy Mitchell, President.
P. J. Scully, City Clerk.

BOARD OF ASSESSORS.
Office, No. 320 Broadway, 9 a. m. to 5 p. m.; Saturdays, 12 m.
Joseph P. Hennessy, President.
William C. Ormond.

Antonio C. Astarita.
Thomas J. Drennan, Secretary.
Telephone, 29, 30 and 31 Worth.

BOARD OF AMBULANCE SERVICE.
Headquarters, 240 Centre street.
Office hours, 9 a. m. to 4 p. m. Saturdays,
12 m.
President, Commissioner of Police, R. Waldo;
Secretary, Commissioner of Public Charities, M.
J. Drummond; Dr. John W. Brannan, President
of the Board of Trustees of Bellevue and Allied
Hospitals; Dr. Royal S. Copeland, Wm. I. Spie-
gelberg; D. C. Potter, Director.
Telephone, 3100 Spring.

BOARD OF ELECTIONS.
General Office, No. 107 West Forty-first street.
Commissioners: J. Gabriel Britt, President;
Moses M. McKee, Secretary; James Kane and
Jacob A. Livingston. Michael T. Daly, Chief
Clerk.
Telephone, 2946 Bryant.

**BOARD OF ESTIMATE AND APPORTION-
MENT.**
The Mayor, Chairman; the Comptroller, Pres-
ident of the Board of Aldermen, President of the
Borough of Manhattan, President of the Bor-
ough of Brooklyn, President of the Borough of
The Bronx, President of the Borough of Queens,
President of the Borough of Richmond.

OFFICE OF THE SECRETARY.
No. 277 Broadway, Room 1406. Telephone
2280 Worth.

OFFICE OF THE CHIEF ENGINEER.
Nelson P. Lewis, Chief Engineer, No. 277
Broadway, Room 1408. Telephone, 2281 Worth.
Arthur S. Tuttle, Engineer in Charge Division
of Public Improvements, No. 277 Broadway,
Room 1408. Telephone, 2281 Worth.

BUREAU OF FRANCHISES.
Harry P. Nichols, Engineer, Chief of Bureau,
277 Broadway, Room 801. Telephone, 2282
Worth.
Office hours, 9 a. m. to 5 p. m. (except during
July and August, when hours are 9 a. m. to 4
p. m.); Saturdays, 9 a. m. to 12 m.

BOARD OF EXAMINERS.
Rooms 6027 and 6028, Metropolitan Building,
No. 1 Madison avenue, Borough of Manhattan.
9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 5840 Gramercy.
George A. Just, Chairman. Members: Wil-
liam Crawford, Lewis Harding, Charles G.
Smith, William A. Boring, John P. Leo and
John Kenlon.
Edward V. Barton, Clerk.
Board meeting every Tuesday at 2 p. m.

BOARD OF INEBRIETY.
Office, 300 Mulberry street, Manhattan.
Thomas J. Colton, President.
Rev. William Morrison, Secretary.
John Dornin, M.D.
Rev. John J. Hughes.
William Browning, M.D.
Telephone, 7116 Spring.
Office hours, daily, 10 a. m. and 2 p. m.

**BOARD OF PAROLE OF THE NEW YORK
CITY REFORMATORY OF MISDEMEAN-
ANTS.**

Office, No. 148 East Twentieth street.
Patrick A. Whitney, Commissioner of Cor-
rection, President.
John B. Mayo, Judge, Special Sessions, Man-
hattan.
Robert J. Wilkin, Judge, Special Sessions,
Brooklyn.
Frederick B. House, City Magistrate, First
Division.
Edward J. Dooley, City Magistrate, Second
Division.
Samuel B. Hamburger, John C. Heintz, Ro-
sario Maggio, Richard E. Troy.
Thomas R. Minnick, Secretary.
Telephone, 1047 Gramercy.

BOARD OF REVISION OF ASSESSMENTS.
William A. Prendergast, Comptroller.
Archibald R. Watson, Corporation Counsel.
Lawson Purdy, President of the Department
of Taxes and Assessments.
John Korb, Jr., Chief Clerk, Finance Depart-
ment, No. 280 Broadway.
Telephone, 1200 Worth.

BOARD OF WATER SUPPLY.
Office, No. 165 Broadway.
Charles Strauss, President; Charles N. Chad-
wick and John F. Galvin, Commissioners.
Joseph P. Morrissey, Secretary.
J. Waldo Smith, Chief Engineer.
Office hours, 9 a. m. to 4 p. m.; Saturdays
9 a. m. to 12 m.
Telephone, 4310 Cortlandt.

COMMISSIONER OF ACCOUNTS.
Raymond B. Fosdick, Commissioner of Ac-
counts.
Rooms 114 and 115, Stewart Building, No. 280
Broadway, 9 a. m. to 5 p. m.; Saturdays, 9 a. m.
to 12 m.
Telephone, 4315 Worth.

**CITY CLERK AND CLERK OF THE BOARD
OF ALDERMEN.**
City Hall, Rooms 11, 12; 10 a. m. to 4 p. m.;
Saturdays, 10 a. m. to 12 m.
Telephone, 7560 Cortlandt.
P. J. Scully, City Clerk and Clerk of the
Board of Aldermen.
Joseph F. Prendergast, First Deputy.
John T. Oakley, Chief Clerk of the Board of
Aldermen.
Joseph V. Sculley, Clerk, Borough of Brook-
lyn.
Matthew McCabe, Deputy City Clerk, Borough
of The Bronx.
George D. Frenz, Deputy City Clerk, Bor-
ough of Queens.
Joseph F. O'Grady, Deputy City Clerk, Bor-
ough of Richmond.

**CHANGE OF GRADE DAMAGE COM-
MISSION.**
Office of the Commission, Room 223, No. 280
Broadway (Stewart Building), Borough of Man-
hattan, New York City.
William D. Dickey, Cambridge Livingston,
David Robinson, Commissioners. Lamont Mc-
Loughlin, Clerk.
Regular advertised meetings on Monday, Tues-
day and Thursday of each week at 2 o'clock
p. m.
Office hours, 9 a. m. to 4 p. m.; Saturdays
9 a. m. to 12 m.
Telephone, 3254 Worth.

CITY RECORD OFFICE.
**BUREAU OF PRINTING, STATIONERY AND BLANK
BOOKS.**
Supervisor's Office, 8th floor, Park Row Build-
ing, No. 21 Park Row.
Office hours, 9 a. m. to 5 p. m.; Saturdays,
9 a. m. to 12 m.
Telephone, 1505 and 1506 Cortlandt.
Distributing Division, Nos. 96 and 98 Reade
street, near West Broadway.
David Ferguson, Supervisor.
Henry McMillen, Deputy Supervisor.
C. McKemie, Secretary.

COMMISSIONER OF LICENSES.

Office, No. 277 Broadway.
Herman Robinson, Commissioner.
Samuel Prince, Deputy Commissioner.
John J. Caldwell, Secretary.
Office hours, 9 a. m. to 5 p. m.; Saturdays,
9 a. m. to 12 m.
Telephone, 2828 Worth.

COMMISSIONERS OF SINKING FUND.
William J. Gaynor, Mayor, Chairman; William
A. Prendergast, Comptroller; Robert R. Moore,
Chamberlain; John Purroy Mitchell, President of
the Board of Aldermen; and Frank L. Dowling,
Chairman Finance Committee, Board of Alder-
men, members; Henry J. Walsh, Deputy Cham-
berlain, Secretary.
Office of Secretary, Room 69, Stewart Build-
ing, No. 280 Broadway, Borough of Manhattan.
Telephone, 4270 Worth.

DEPARTMENT OF BRIDGES.
Nos. 13-21 Park Row.
Arthur J. O'Keefe, Commissioner.
William H. Sinnott, Deputy Commissioner.
Edgar E. Schiff, Secretary.
Office hours, 9 a. m. to 4 p. m.
Saturdays, 9 a. m. to 12 m.
Telephone, 6080 Cortlandt.

DEPARTMENT OF CORRECTION.
CENTRAL OFFICE.
No. 148 East Twentieth street. Office hours
from 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to
12 m.
Telephone, 1047 Gramercy.
Patrick A. Whitney, Commissioner.
William J. Wright, Deputy Commissioner
John B. Fitzgerald, Secretary.

DEPARTMENT OF DOCKS AND FERRIES.
Pier "A" N. R. Battery place.
Telephone, 300 Reade.
Calvin Tomkins, Commissioner.
B. F. Cresson, Jr., First Deputy Commissioner.
William J. Barney, Second Deputy Commis-
sioner.
Matthew J. Harrington, Secretary.
Office hours, 9 a. m. to 4 p. m.; Saturdays,
9 a. m. to 12 m.

DEPARTMENT OF EDUCATION.
BOARD OF EDUCATION.
Park avenue and Fifty-ninth street, Borough
of Manhattan, 9 a. m. to 5 p. m.; Saturdays,
9 a. m. to 12 m.
Telephone, 5580 Plaza.
Stated meetings of the Board are held at 4
p. m. on the first Monday in February, the sec-
ond Wednesday in July, and the second and
fourth Wednesdays in every month, except July
and August.

DEPARTMENT OF FINANCE.
Stewart Building, Chambers street and Broad-
way, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to
12 m.
Telephone, 1200 Worth.
WILLIAM A. PRENDERGAST, Comptroller,
Douglas Mathewson and Edmund D. Fisher,
Deputy Comptrollers.
Hubert L. Smith, Assistant Deputy Compt-
roller.
George L. Tirrell, Secretary to the Depart-
ment.
Ethel Waldron, Clerk to the Comptroller.
Thomas W. Hynes, Supervisor of Charitable
Institutions.
Walter S. Wolfe, Chief Clerk.

BUREAU OF AUDIT.
Charles S. Hervey, Chief Auditor of Accounts,
Room 29.
Duncan Mac Innes, Chief Accountant and
Bookkeeper.
John J. Kelly, Auditor of Disbursements.
H. H. Rathen, Auditor of Receipts.
James J. Munro, Chief Inspector.
R. B. McIntyre, Examiner in Charge, Expert
Accountants' Division.

LAW AND ADJUSTMENT DIVISION.
Albert E. Hadlock, Auditor of Accounts, Room
185.

**BUREAU OF MUNICIPAL INVESTIGATION AND
STATISTICS.**
James Tilden Adamson, Supervising Statisti-
cian and Examiner, Room 180.
STOCK AND BOND DIVISION.
James J. Sullivan, Chief Stock and Bond
Clerk, Room 85.

OFFICE OF THE CITY PAYMASTER.
No. 83 Chambers street and No. 65 Reade
street.
John H. Timmerman, City Paymaster.

DIVISION OF REAL ESTATE.
Charles A. O'Malley, Appraiser of Real Es-
tate. Room 103, No. 280 Broadway.
DIVISION OF AWARDS.
Joseph R. Kenny, Bookkeeper in Charge.
Rooms 155 and 157, No. 280 Broadway.

BUREAU FOR THE COLLECTION OF TAXES.
Borough of Manhattan—Stewart Building,
Room O.
Frederick H. E. Ebstein, Receiver of Taxes.
John J. McDonough and Sylvester L. Malone,
Deputy Receivers of Taxes.
Borough of The Bronx—Municipal Building,
Third and Tremont avenues.
Edward H. Healy and John J. Knewitz, De-
puty Receivers of Taxes.
Borough of Brooklyn—Municipal Building,
Rooms 2-4.
Alfred J. Boulton and David E. Kemlo, De-
puty Receivers of Taxes.
Borough of Queens—Municipal Building, Court
House Square, Long Island City.
William A. Beadle and Thomas H. Green,
Deputy Receivers of Taxes.
Borough of Richmond—Borough Hall, St.
George, New Brighton.
John De Morgan and Edward J. Lovett, De-
puty Receivers of Taxes.

**BUREAU FOR THE COLLECTION OF ASSESSMENTS AND
ARREARS.**
Borough of Manhattan, Stewart Building,
Room E.
Daniel Moynahan, Collector of Assessments
and Arrears.
George W. Wannmaker, Deputy Collector of
Assessments and Arrears.
Borough of The Bronx—Municipal Building,
Rooms 1-3.
Charles F. Bradbury, Deputy Collector of As-
sessments and Arrears.
Borough of Brooklyn—Mechanics' Bank Build-
ing, corner Court and Montague streets.
Theodore G. Christman, Deputy Collector of
Assessments and Arrears.
Borough of Queens—Municipal building, Court
House Square, Long Island City.
Bernard H. Fee, Clerk, Acting Deputy Col-
lector of Assessments and Arrears.
Borough of Richmond—St. George, New
Brighton.
Edward W. Berry, Deputy Collector of As-
sessments and Arrears.

**BUREAU FOR THE COLLECTION OF CITY REVENUE
AND OF MARKETS.**
Stewart Building, Chambers street and Broad-
way, Room K.
Sydney H. Goodacre, Collector of City Re-
venue and Superintendent of Markets.

BUREAU OF THE CHAMBERLAIN.
Stewart Building, Chambers street and Broad-
way, Rooms 63 to 67.
Robert R. Moore, Chamberlain.
Henry J. Walsh, Deputy Chamberlain.
Office hours, 9 a. m. to 5 p. m.
Telephone, 4270 Worth.

DEPARTMENT OF HEALTH.
Southwest corner of Fifty-fifth street and
Sixth avenue, Borough of Manhattan.
Office hours, 9 a. m. to 5 p. m.; Saturdays,
9 a. m. to 12 m.
Burial Permit and Contagious Disease Offices
always open.

Telephone, 4900 Columbus.
President, J. Lederle, Commissioner of Health and
Prevention.
Alvah H. Doty, M. D.; Rhinelander Waldo,
Commissioners.
Eugene W. Schaffer, Secretary.
Herman M. Biggs, M. D., General Medical
Officer.
Walter Bensel, M. D., Sanitary Superintend-
ent.
William H. Guilfooy, M. D., Registrar of Rec-
ords.
James McC. Miller, Chief Clerk.

Alonzo Blauvelt, M. D., Assistant Sanitary
Superintendent; George A. Roberts, Assistant
Chief Clerk.
Charles J. Burke, M. D., Assistant Registrar
of Records.
Borough of The Bronx, No. 3731 Third Avenue.
Marion B. McMillan, M. D., Assistant Sani-
tary Superintendent; Ambrose Lee, Jr., As-
sistant Chief Clerk; Arthur J. O'Leary, M. D., As-
sistant Registrar of Records.
Borough of Brooklyn, Flatbush avenue, Wil-
loughby and Fleet streets.
Travers R. Maxfield, M. D., Assistant Sanitary
Superintendent; Alfred T. Metcalfe, Assistant
Chief Clerk; S. J. Byrne, M. D., Assistant Re-
gistrar of Records.

Borough of Queens, Nos. 372 and 374 Fulton
streets, Jamaica.

John H. Barry, M. D., Assistant Sanitary Su-
perintendent; George R. Crowley, Assistant Chief
Clerk; Robert Campbell, M. D., Assistant Re-
gistrar of Records.
Borough of Richmond, No. 514 Bay street, Sta-
pleton, Staten Island.

John T. Sprague, M. D., Assistant Sanitary
Superintendent; Charles E. Hoyer, Assistant
Chief Clerk.

DEPARTMENT OF PARKS.
Charles B. Stover, Commissioner of Parks for
the Boroughs of Manhattan and Richmond, and
President Park Board.
Clinton H. Smith, Secretary.
Offices, Arsenal, Central Park.
Telephone, 201 Plaza.
Office hours, 9 a. m. to 5 a. m.; Saturdays
9 a. m. to 12 m.

Michael J. Kennedy, Commissioner of Parks
for the Borough of Brooklyn.
Offices, Litchfield Mansion, Prospect Park,
Brooklyn.
Office hours, 9 a. m. to 5 p. m.; July and Au-
gust, 9 a. m. to 4 p. m.
Telephone, 2300 South.
Thomas J. Higgins, Commissioner of Parks for
the Borough of The Bronx.
Office, Zborowski Mansion, Claremont Park.
Office hours, 9 a. m. to 5 p. m.; Saturdays,
9 a. m. to 12 m.
Telephone, 2640 Tremont.

Walter G. Eliot, Commissioner of Parks for
the Borough of Queens.

PERMANENT CENSUS BOARD.
Hall of Board of Education, No. 500 Park
avenue, third floor. Office hours 9 a. m. to 5
p. m.; Saturdays, 9 a. m. to 12 m.

The Mayor, City Superintendent of Schools
and Police Commissioner George H. Chatfield,
Secretary.
Telephone, 5752 Plaza.

DEPARTMENT OF PUBLIC CHARITIES.
PRINCIPAL OFFICE.
Foot of East Twenty-sixth street, 9 a. m. to
4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 7400 Madison Square.
Michael J. Drummond, Commissioner.
Frank J. Goodwin, First Deputy Commis-
sioner.
William J. McKenna, Third Deputy Commis-
sioner.
Thomas L. Fogarty, Second Deputy Commis-
sioner for Brooklyn and Queens, Nos. 327 to
131 Schermerhorn street, Brooklyn. Telephone
2977 Main.
McKee Borden, Secretary.
Plans and Specifications, Contracts, Proposals
and Estimates for Work and Materials for Build-
ing, Repairs and Supplies, Bills and Accounts,
9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Bureau of Dependent Adults, foot of East
Twenty-sixth street. Office hours, 9 a. m. to
5 p. m.
The Children's Bureau, No. 124 East 59th
street. Office hours, 9 a. m. to 5 p. m.
Jeremiah Connelly, Superintendent for Rich-
mond Borough, Borough Hall, St. George, Staten
Island.
Telephone, 1000 Tompkinsville.

DEPARTMENT OF STREET CLEANING.
Nos. 13 to 21 Park row, 9 a. m. to 4 p. m.;
Saturdays, 9 a. m. to 12 m.
Telephone, 6725 Cortlandt.
Telephone, 3863 Cortlandt.
William H. Edwards, Commissioner.
James F. Lynch, Deputy Commissioner, Bor-
ough of Manhattan.
Julian Scott, Deputy Commissioner, Borough
of Brooklyn.
James F. O'Brien, Deputy Commissioner, Bor-
ough of The Bronx.
John J. O'Brien, Chief Clerk.

**DEPARTMENT OF TAXES AND ASSES-
MENTS.**
Hall of Records, corner of Chambers and
Centre streets. Office hours, 9 a. m. to 4 p. m.;
Saturdays, 9 a. m. to 12 m.
Commissioners—Lawson Purdy, President;
Chas. J. McCormack, John J. Halleran, Charles
T. White, Daniel S. McElroy, Edward Kauf-
mann, Judson G. Wall.
Telephone, 3900 Worth.

**DEPARTMENT OF WATER SUPPLY, GAS
AND ELECTRICITY.**
Nos. 13 to 21 Park row, 9 a. m. to 5 p. m.;
Saturdays, 9 a. m. to 12 m.
Telephones: Manhattan, 5962 Cortlandt;
Brooklyn, 3980 Main, Queens, 1990 Greenpoint;
Richmond, 840 Tompkinsville; Bronx, 3400 Tre-
mont.

Henry S. Thompson, Commissioner.
J. W. Bennett, Deputy Commissioner.
Frederic T. Parsons, Deputy Commissioner,
Borough of Brooklyn. Municipal Building,
Brooklyn.
John L. Jordan, Deputy Commissioner, Bor-
ough of The Bronx, Municipal Building, The
Bronx.
M. P. Walsh, Deputy Commissioner, Borough
of Queens, Municipal Building, Long Island
City.
John E. Bove, Deputy Commissioner, Borough
of Richmond, Municipal Building, St. George.

EXAMINING BOARD OF PLUMBERS.
Edwin Hayward, President.
James J. Donahue, Secretary.

August C. Schwager, Treasurer.
Rooms Nos. 14, 15 and 16, Aldrich Building,
Nos. 149 and 151 Church street.
Telephone, 6472 Barclay.
Office open during business hours every day
in the year (except legal holidays). Examin-
ations are held on Monday, Wednesday and Fri-
day after 1 p. m.

FIRE DEPARTMENT.
Headquarters: Office hours for all, from 9
a. m. to 5 p. m.; Saturdays, 12 m. Central
offices and fire stations open at all hours.

OFFICES.
Headquarters of Department, Nos. 157 and 159
East 67th street, Manhattan. Telephone, 640
Plaza.

Brooklyn office, Nos. 365 and 367 Jay street,
Brooklyn. Telephone, 2653 Main.
Joseph Johnson, Commissioner.
George W. Olvany, Deputy Commissioner.
Philip P. Farley, Deputy Commissioner, Bor-
oughs of Brooklyn and Queens.
Daniel E. Finn, Secretary of Department.
Lloyd Dorsey Willis, Secretary to Commis-
sioner.
Walter J. Nolan, Secretary to Deputy Com-
missioner, Boroughs of Brooklyn and Queens.
John Kenlon, Chief of Department, in charge
Bureau of Fire Extinguishment, 157 and 159
East 67th street, Manhattan.
Thomas Lally, Deputy Chief in charge, Bor-
oughs of Brooklyn and Queens, 365-367 Jay
street, Brooklyn.
William Guerin, Deputy Chief in Charge Bu-
reau of Fire Prevention, 157 and 159 East 67th
street, Manhattan.
John C. Renard, Electrical Engineer, in
charge Fire Alarm Telegraph Bureau, 157 and
159 East 67th st., Manhattan.
John R. Keefe, Clerk, in charge Bureau of
Repairs and Supplies, 157 and 159 East 67th
street, Manhattan.

LAW DEPARTMENT.

OFFICE OF CORPORATION COUNSEL.
Office hours, 9 a. m. to 5 p. m.; Saturdays
9 a. m. to 12 m.

Main office, Hall of Records, Chambers and
Centre streets, 6th and 7th floors.
Telephone, 4600 Worth.

Archibald R. Watson, Corporation Counsel.
Assistants—Theodore Connolly, George L. Ster-
ling, Charles D. Olenford, William P. Burr, R.
Percy Chittenden, William Beers Crowell, John
L. O'Brien, Terence Farley, Edward J. Mc-
Goldrick, Curtis A. Peters, Cornelius F. Collins,
John F. O'Brien, Edward S. Malone, Edwin
J. Freedman, Louis H. Hahlo, Frank B. Pierce,
Richard H. Mitchell, John Widdetcombe, Ar-
thur Sweeney, William H. King, George P.
Nicholson, George Harold Folwell, Dudley F.
Malone, Charles J. Nehrbas, William J. O'Sul-
livan, Harford P. Walker, Josiah A. Stover,
Arnold C. Weil, Francis J. Byrne, Francis
Martin, Charles McIntyre, Clarence L. Barber,
Alfred W. Booraem, George H. Cowie, Solon
Berrick, James P. O'Connor, Elliott S. Benedict,
Isaac Phillips, Edward A. McShane, Eugene
Fay, Ricardo M. DeAcosta, John M. Barrett,
Frank P. Reilly, Leon G. Godley, Alexander
C. MacNulty, Samuel Hoffmann.
Secretary to the Corporation Counsel—Ed-
mund Kirby, Jr.

Chief Clerk—Andrew T. Campbell.
Brooklyn office, Borough Hall, 2d floor. Tele-
phone, 2948 Main. James D. Bell, Assistant in
charge.

BUREAU OF STREET OPENINGS.
Main office, No. 90 West Broadway. Tele-
phone, 5070 Barclay. Joel J. Squier, Assistant
in charge.
Brooklyn branch office, No. 166 Montague
street. Telephone, 3670 Main. Edward Riegel-
mann, Assistant in charge.
Queens branch office, Municipal Building,
Court House Square, Long Island City. Tele-
phone, 3886 Hunters Point. Joseph J. Myers,
Assistant in charge.

BUREAU FOR THE RECOVERY OF PENALTIES.
No. 119 Nassau street. Telephone, 4526 Cort-
landt. Herman Stiefel, Assistant in Charge.

**BUREAU FOR THE COLLECTION OF ARREARS OF
PERSONAL TAXES.**
No. 280 Broadway, 5th floor. Telephone, 4585
Worth. Geo. O'Reilly, Assistant in charge.

**TENEMENT HOUSE BUREAU AND BUREAU OF
BUILDINGS.**
No. 44 East Twenty-third street. Telephone,
961 Gramercy. John P. O'Brien, Assistant in
charge.

METROPOLITAN SEWERAGE COMMISSION.
Office, No. 17 Battery place. George A. Soper,
Ph.D., President; James H. Fustes, Secretary;
H. de B. Parsons, Charles Soysmith, Linsly R.
Williams, M.D.
Office hours, 9 a. m. to 5 p. m.; Saturdays,
9 a. m. to 12 m.
Telephone, 1694 Reade.

MUNICIPAL CIVIL SERVICE COMMISSION.
No. 299 Broadway, 9 a. m. to 4 p. m.; Satur-
days, 9 a. m. to 12 m.
James Croelman, President; Richard Welling
and Alexander Keogh, Commissioners.
Frank A. Spencer, Secretary.

LABOR BUREAU.
Nos. 54-60 Lafayette street.
Telephone 2140 Worth.

MUNICIPAL EXPLOSIVES COMMISSION.
Nos. 157 and 159 East 67th street, Headquar-
ters Fire Department.
Joseph Johnson, Fire Commissioner and ex-
officio Chairman; Geo. O. Eaton, Sidney Harris,
Bartholomew Donovan, J. Howard Wainwright.
R. S. Lundy, Secretary.
Meeting at call of Fire Commissioner.

POLICE DEPARTMENT.

CENTRAL OFFICE.
No. 240 Centre street, 9 a. m. to 5 p. m.
(months of June, July and August, 9 a. m. to
4 p. m.); Saturdays, 9 a. m. to 12 m.
Telephone, 3100 Spring.
Rhinelander Waldo, Commissioner.
Douglas I. McKay, First Deputy Commissioner.
George S. Dougherty, Second Deputy Commis-
sioner.
John J. Walsh, Third Deputy Commissioner.
James E. Dillon, Fourth Deputy Commis-
sioner.
William H. Kipp, Chief Clerk.

PUBLIC SERVICE COMMISSION.
The Public Service Commission for the First
District, Tribune Building, No. 154 Nassau street,
Manhattan.

Office hours, 8 a. m. to 11 p. m., every day
in the year, including holidays and Sundays.
Stated public meetings of the Commission,
Tuesdays and Fridays at 12 m., in the Public
Hearing Room of the Commission, third floor
of the Tribune Building, unless otherwise ordered.
Commissioners—William R. Willcox, Chair-
man; William McCarroll, Milo R. Maltbie, John
E. Eustis, J. Sergeant Cram, Counsel, George
S. Coleman, Secretary, Travis H. Whitney.
Telephone, 4150 Beekman.

TENEMENT HOUSE DEPARTMENT.
John J. Murphy, Commissioner, Manhattan.
Office, 44 East 23d street, Telephone, 5331 Gram-
ercy, William H. Abbott, Jr., First Deputy Com-
missioner.
Brooklyn Office (Boroughs of Brooklyn,
Queens and Richmond), 503 Fulton street,
Telephone, 3825 Main. Frank Mann, Second
Deputy Commissioner.

Bronx Office, 391 East 149th street, Telephone, 967 Melrose. William B. Calvert, Superintendent. Office hours 9 a. m. to 5 p. m., Saturdays 9 a. m. to 12 m.

BOROUGH OFFICES.

BOROUGH OF MANHATTAN.

Office of the President, Nos. 14, 15 and 16 City Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
George McAneny, President.
Leo Arnstein, Secretary of the Borough.
Julian B. Beaty, Secretary to the President.
Edgar Victor Frothingham, Commissioner of Public Works.
W. R. Patterson, Assistant Commissioner of Public Works.
Rudolph P. Miller, Superintendent of Buildings.
Robert B. Insley, Superintendent of Public Buildings and Offices.

BOROUGH OF THE BRONX.

Office of the President, corner Third avenue and One Hundred and Seventy-seventh street; 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Cyrus C. Miller, President.
George Donnelly, Secretary.
Thomas W. Whittle, Commissioner of Public Works.
James A. Henderson, Superintendent of Buildings.
Arthur J. Lary, Superintendent of Highways.
Roger W. Bligh, Superintendent of Public Buildings and Offices.
Telephone, 2680 Tremont.

BOROUGH OF BROOKLYN.

President's Office, Nos. 15 and 16, Borough Hall; 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Alfred E. Steers, President.
Reuben L. Haskell, Borough Secretary.
John B. Creighton, Secretary to the President.
Telephone, 3960 Main.
Lewis H. Pounds, Commissioner of Public Works.
John Thatcher, Superintendent of Buildings.
William J. Taylor, Superintendent of the Bureau of Sewers.
Howard L. Woody, Superintendent of the Bureau of Public Buildings and Offices.
Frederick Linde, Superintendent of Highways.

BOROUGH OF QUEENS.

President's Office, Borough Hall, Jackson avenue and Fifth street, Long Island City; 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1900 Greenpoint.
Maurice E. Connolly, President.
John N. Booth, Secretary.
Denis O'Leary, Commissioner of Public Works.
Emanuel Branden, Superintendent of Highways.
John J. Simmons, Superintendent of Buildings.
Oliver Stewart Hardgrove, Superintendent of Sewers.
Arrow C. Hankins, Superintendent of Street Cleaning.
Joseph Sullivan, Superintendent of Public Buildings and Offices, Flushing. Telephone, 1740 Flushing.

BOROUGH OF RICHMOND.

President's Office, New Brighton, Staten Island.
George Cromwell, President.
Maybury Fleming, Secretary.
Louis Lincoln Tribus, Consulting Engineer and Acting Commissioner of Public Works.
John Seaton, Superintendent of Buildings.
H. E. Buel, Superintendent of Highways.
John T. Fetherston, Assistant Engineer and Acting Superintendent of Street Cleaning.
Ernest H. Seehusen, Superintendent of Sewers.
John Timlin, Jr., Superintendent of Public Buildings and Offices.
Offices, Borough Hall, New Brighton, N. Y., 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1000 Tompkinsville.

CORONERS.

Borough of The Bronx—Corner of Third avenue and Tremont avenue. Telephone, 1250 Tremont and 1402 Tremont.
A. F. Schwanneke, Jacob Shogut.
Borough of Brooklyn—Office, Rooms 1 and 3, Municipal Building. Telephone, 4004 Main and 4005 Main.
Alexander J. Rooney, Edward Glinnen, Coroners.
Open all hours of the day and night.
Borough of Manhattan—Office, Criminal Courts Building, Centre and White streets. Open at all times of the day and night.
Coroners: Israel L. Feinberg, Herman Helinstein, James E. Winterbottom, Herman W. Holtzhauser.
Telephones, 1094, 5057, 5058 Franklin.
Borough of Queens—Office, Town Hall, Fulton street, Jamaica, L. I.
Alfred S. Ambler, G. J. Schaefer.
Office hours from 9 a. m. to 10 p. m., excepting Sundays and holidays; office open then from 9 a. m. to 12 m.
Borough of Richmond—No. 175 Second street, New Brighton. Open for the transaction of business all hours of the day and night.
William H. Jackson, Coroner.
Telephone, 7 Tompkinsville.

COUNTY OFFICES.

NEW YORK COUNTY.

COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Thomas Allison, Commissioner.
Frederick P. Simpson, Assistant Commissioner.
Telephone, 241 Worth.

COMMISSIONER OF RECORDS.

Office, Hall of Records.
William S. Andrews, Commissioner.
James O. Farrell, Deputy Commissioner.
Telephone, 3900 Worth.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
During the months of July and August the hours are from 9 a. m. to 2 p. m.

COUNTY CLERK.

Nos. 5, 8, 9, 10 and 11 New County Court House.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
William F. Schneider, County Clerk.
Charles E. Gehring, Deputy.
Wm. B. Selden, Second Deputy.
Harman W. Beyer, Superintendent of Indexing and Recording.
Telephone, 5388 Cortlandt.

DISTRICT ATTORNEY.

Building for Criminal Courts, Franklin and Centre streets.
Office hours from 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Charles S. Whitman, District Attorney.
Henry D. Sayer, Chief Clerk.
Telephone, 2304 Franklin.

PUBLIC ADMINISTRATOR.

No. 119 Nassau street, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
William M. Hoes, Public Administrator.
Telephone, 6376 Cortlandt.

REGISTER.

Hall of Records, Office hours, from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. During the months of July and August the hours are from 9 a. m. to 2 p. m.
Max S. Grifenhagen, Register.
William Halpin, Deputy Register.
Telephone, 3900 Worth.

SHERIFF.

No. 299 Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. Except during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
John S. Shea, Sheriff.
John B. Cartwright, Under Sheriff.
Telephone, 4984 Worth.

SURROGATES.

Hall of Records, Court open from 9 a. m. to 4 p. m., except Saturday, when it closes at 12 m. During the months of July and August the hours are from 9 a. m. to 2 p. m.
John P. Cohalan and Robert L. Fowler, Surrogates; William V. Leary, Chief Clerk.
Telephone, 3900 Worth.

KINGS COUNTY.

COMMISSIONER OF JURORS.

5 County Court-house.
Thomas R. Farrell, Commissioner.
Michael J. Trudden, Deputy Commissioner.
Office hours from 9 a. m. to 4 p. m.; Saturdays, from 9 a. m. to 12 m.
Office hours during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1454 Main.

COMMISSIONER OF RECORDS.

Hall of Records.
Office hours, 9 a. m. to 4 p. m., excepting months of July and August, then 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Charles H. Graft, Commissioner.
William F. Thompson, Deputy Commissioner.
Telephone, 1114 Main.
Telephone, 1082 Main.

COUNTY CLERK.

Hall of Records, Brooklyn. Office hours, 9 a. m. to 4 p. m.; during months of July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Henry P. Molloy, County Clerk.
William J. Heffernan, Deputy County Clerk.
Telephone call, 4930 Main.

COUNTY COURT.

County Court House, Brooklyn, Rooms 1, 10, 14, 17, 18, 22 and 23. Court opens at 10 a. m. daily and sits until business is completed. Part I., Room No. 23; Part II., Room No. 10; Part III., Room No. 14; Part IV., Room No. 1. Court House, Clerk's Office, Rooms 17, 18, 19 and 22, open daily from 9 a. m. to 5 p. m.; Saturdays, 12 m.
Norman S. Dike and Lewis L. Fawcett, County Judges.
Thomas F. Wogan, Deputy Clerk.
Telephone, 4154 and 4155 Main.

DISTRICT ATTORNEY.

Office, County Court-house, Borough of Brooklyn. Hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
John F. Clarke, District Attorney.
Telephone number 2955-67 Main.

PUBLIC ADMINISTRATOR.

No. 44 Court street (Temple Bar), Brooklyn, 9 a. m. to 5 p. m.
Charles E. Teale, Public Administrator.
Telephone, 2840 Main.

REGISTER.

Hall of Records, Office hours, 9 a. m. to 4 p. m., excepting months of July and August, then from 9 a. m. to 2 p. m., provided for by statute; Saturdays, 9 a. m. to 12 m.
Frederick Lundy, Register.
Owen J. Murphy, Deputy Register.
Telephone, 2830 Main.

SHERIFF.

Temple Bar Building, 186 Remsen street, Room 401, Brooklyn, N. Y.
9 a. m. to 4 p. m.; Saturdays, 12 m.
Patrick H. Quinn, Sheriff.
John Morrissey Gray, Under Sheriff.
Telephone, 6845, 6846, 6847 Main.

SURROGATE.

Hall of Records, Brooklyn, N. Y.
Herbert T. Ketcham, Surrogate.
John H. McCooey, Chief Clerk and Clerk of the Surrogate's Court.
Court opens at 10 a. m. Office hours, 9 a. m. to 4 p. m., except during months of July and August, when office hours are from 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3954 Main.

QUEENS COUNTY.

COMMISSIONER OF JURORS.

Office hours, 9 a. m. to 4 p. m.; July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.; Queens County Court-house, Long Island City.
George H. Creed, Commissioner of Jurors.
Rodman Richardson, Assistant Commissioner.
Telephone, 455 Greenpoint.

COUNTY CLERK.

No. 364 Fulton street, Jamaica, Fourth Ward, Borough of Queens, City of New York.
Office open, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Martin Mager, County Clerk.
Telephone, 151 Jamaica.

COUNTY COURT.

County Court-house, Long Island City.
County Court opens at 10 a. m. Trial Terms begin first Monday of each month, except July, August and September. Special Terms each Saturday, except during August and first Saturday of September.
Burt J. Humphrey, County Judge.
Telephone, 551 Jamaica.

DISTRICT ATTORNEY.

Office, Queens County Court-house, Long Island City, 9 a. m. to 5 p. m., Saturdays, 9 a. m. to 12 m.
County Judge's office always open at No. 336 Fulton street, Jamaica, N. Y.
Fred. G. De Witt, District Attorney.
Telephone, 2986 and 2987 Greenpoint.

PUBLIC ADMINISTRATOR.

No. 17 Cook avenue, Elmhurst.
John T. Robinson, Public Administrator, County of Queens.
Office hours, 9 a. m. to 5 p. m.
Telephone, 335 Newtown.

SHERIFF.

County Court-house, Long Island City, 9 a. m. to 4 p. m.; during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.

Thomas M. Quinn, Sheriff.
John M. Phillips, Under Sheriff.
Telephone, 2741 and 2742 Greenpoint (office).
Henry O. Schieth, Warden.
Telephone, 372 Greenpoint.

SURROGATE.

Daniel Noble, Surrogate.
Office, No. 364 Fulton street, Jamaica.
Except on Sundays, holidays and half-holidays, the office is open from 9 a. m. to 4 p. m.; Saturdays, from 9 a. m. to 12 m. July and August, 9 a. m. to 2 p. m.
The calendar is called on each week day at 10 a. m., except during the month of August.
Telephone, 397 Jamaica.

RICHMOND COUNTY.

COMMISSIONER OF JURORS.

Village Hall, Stapleton.
Charles J. Kullman, Commissioner.
Office open from 9 a. m. until 4 p. m.; Saturdays, from 9 a. m. to 12 m.
Telephone, 81 Tompkinsville.

COUNTY CLERK.

County Office Building, Richmond, S. I., 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
C. Livingston Bostwick, County Clerk.
Telephone, 28 New Dorp.

COUNTY JUDGE AND SURROGATE.

Terms of Court, Richmond County, 1911:
County Court—Sidney Fuller Rawson, County Judge.

First Monday of April, Grand and Trial Jury.
First Monday of October, Grand and Trial Jury.

On Wednesdays of each week at Richmond (except during August) without a Jury.
Surrogate's Court—Sidney Fuller Rawson, Surrogate.

Court days: Mondays, at the Borough Hall, St. George, and Wednesdays, at the Surrogate's Office, Richmond, at 10.30 o'clock a. m., on which citations and orders are returnable, except during August, and except on days when Jury terms of County Court are held.
Telephones, 235 New Dorp and 1000 Tompkinsville.

DISTRICT ATTORNEY.

Borough Hall, St. George, S. I.
Albert C. Fach, District Attorney.
Telephone, 50 Tompkinsville.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

PUBLIC ADMINISTRATOR.

Office, Port Richmond.
William T. Holt, Public Administrator.
Telephone, 704 West Brighton.

SHERIFF.

County Court-house, Richmond, S. I.
John J. Collins, Sheriff.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 120 New Dorp.

THE COURTS.

APPELLATE DIVISION OF THE SUPREME COURT.

FIRST JUDICIAL DEPARTMENT.
Court-house, Madison avenue, corner Twenty-fifth street. Court open from 2 p. m. until 6 p. m. Friday, Motion day, Court opens at 10.30 a. m. Motions called at 10 a. m.
George L. Ingraham, Presiding Justice; Chester B. McLaughlin, Frank C. Laughlin, John Proctor Clarke, Francis M. Scott, Nathan L. Miller, Victor J. Dowling, Justices; Alfred Wagstaff, Clerk; William Lamb, Deputy Clerk.
Clerk's Office opens 9 a. m.
Telephone, 3340 Madison Square.

SUPREME COURT—FIRST DEPARTMENT.

County Court-house, Chambers street. Court open from 10.15 a. m. to 4 p. m.
Special Term, Part I. (motions), Room 16.
Special Term, Part II. (ex-parte business) Room No. 13.
Special Term, Part III., Room No. 19.
Special Term, Part IV., Room No. 20.
Special Term, Part V., Room No. 6.
Special Term, Part VI., Room No. 31.
Trial Term, Part II., Room No. 34.
Trial Term, Part III., Room No. 32.
Trial Term, Part IV., Room No. 21.
Trial Term, Part V., Room No. 24.
Trial Term, Part VI., Room No. 18.
Trial Term, Part VII., Room No. —.
Trial Term, Part VIII., Room No. 23.
Trial Term, Part IX., Room No. 35.
Trial Term, Part X., Room No. 26.
Trial Term, Part XI., Room No. 27.
Trial Term, Part XII., Room No. —.
Trial Term, Part XIII., and Special Term, Part VII., Room No. 36.
Trial Term, Part XIV., Room No. 28.
Trial Term, Part XV., Room No. 37.
Trial Term, Part XVI., Room No. —.
Trial Term, Part XVII., Room No. 20.
Trial Term, Part XVIII., Room No. 29.
Appellate Term, Room No. 29.
Naturalization Bureau, Room No. 38, third floor.

Assignment Bureau, room on mezzanine floor, northeast.
Clerks in attendance from 10 a. m. to 4 p. m.
Clerk's Office, Special Term, Part I. (motion), Room No. 15.
Clerk's Office, Special Term, Part II. (ex-parte business), ground floor, southeast corner.
Clerk's Office, Special Term, Calendar, ground floor, south.
Clerk's Office, Trial Term, Calendar, room northeast corner, second floor, east.
Clerk's Office, Appellate Term, room south west corner, third floor.
Trial Term, Part I. (criminal business).
Criminal Court-house, Centre street.
Justices—Henry Bischoff, Leonard A. Gierich, P. Henry Dugro, James Fitzgerald, James A. Blanchard, Samuel Greenbaum, Edward E. McCall, Edward B. Amend, Vernon M. Davis, Joseph E. Newburger, John W. Coff, Samuel Seabury, M. Warley Plazek, Peter A. Hendrick, John Ford, John J. Brady, Mitchell L. Erlanger, Charles L. Guy, James W. Gerard, Irving Lehman, Alfred R. Page, Edward J. Gavegan, Nathan Bijur, John J. Delany, Francis K. Pendleton, Daniel F. Cohalan.
Telephone, 4580 Cortlandt.

SUPREME COURT—SECOND DEPARTMENT.

Kings County Court-house, Borough of Brooklyn, N. Y.
Clerk's office hours, 9 o'clock a. m. to 5 o'clock p. m. Seven jury trial parts. Special Term for Trials. Special Term for Motions. Special Term ex-parte business.
James F. McGee, General Clerk.
Telephone, 5-60 Main.

CRIMINAL DIVISION—SUPREME COURT.

Building for Criminal Courts, Centre, Elm, White and Franklin streets.
Court opens at 10.30 a. m.
William F. Schneider, Clerk; Edward R. Carroll, Special Deputy to the Clerk.
Clerk's Office opens from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 6064 Franklin.

COURT OF GENERAL SESSIONS.

Held in the Building for Criminal Courts, Centre, Elm, White and Franklin streets.
Court opens at 10.30 a. m.
Warren W. Foster, Thomas C. O'Sullivan, Otto A. Rosalsky, Thomas C. T. Crain, Edward Swann, Joseph F. Mulqueen, James T. Malone, Judges of the Court of General Sessions; Edward R. Carroll, Clerk. Telephone, 1201 Franklin.
William F. Schneider, Clerk, Supreme Court.
Clerk's Office open from 9 a. m. to 4 p. m.
During July and August Clerk's Office will close at 2 p. m., and on Saturdays at 12 m.

CITY COURT OF THE CITY OF NEW YORK.

No. 32 Chambers street, Brownstone Building, City Hall Park, from 10 a. m. to 4 p. m.
Special Term Chambers will be held from 10 a. m. to 4 p. m.
Clerk's Office open from 9 a. m. to 4 p. m.
Edward F. O'Dwyer, Chief Justice; Francis B. Delehanty, Joseph I. Green, Alexander Fine-lite, Thomas F. Donnelly, John V. McAvoy, Peter Schmuck, Richard T. Lynch, Edward B. La Petra, Richard H. Smith, Justices. Thomas F. Smith, Clerk.
Telephone, 122 Cortlandt.

COURT OF SPECIAL SESSIONS.

Building for Criminal Courts, Centre street, between Franklin and White streets, Borough of Manhattan.
Court opens at 10 a. m.

Isaac Franklin Russell, Chief Justice; Willard H. Olmsted, Joseph M. Denel, Lorenz Zeller, John B. Mayo, Franklin Chase Hoyt, Joseph F. Moss, Howard J. Forker, John Fleming, Robert J. Wilkin, George J. O'Keefe, Morgan M. L. Ryan, James J. McInerney, Arthur C. Salmon and Henry Steinert, Justices. Frank W. Smith, Chief Clerk.

Part I., Criminal Courts Building, Borough of Manhattan. John P. Hilly, Clerk. Telephone, 2092 Franklin.

Part II., County Court House, Room 7, Borough of Brooklyn. This part is held on Mondays, Thursdays and Fridays. Joseph L. Kerrigan, Clerk. Telephone, 4280 Main.

Part III., Town Hall, Jamaica, Borough of Queens. This part is held on Tuesdays. H. S. Moran, Clerk. Telephone, 189 Jamaica.

Part IV., Borough Hall, St. George, Borough of Richmond. This part is held on Wednesdays. Robert Brown, Clerk. Telephone, 49 Tompkinsville.

CHILDREN'S COURT.

New York County—No. 66 Third avenue, Manhattan. Ernest K. Coulter, Clerk. Telephone, 1832 Stuyvesant.
Kings County—No. 102 Court street, Brooklyn. Joseph W. Duffy, Clerk. Telephone, 627 Main.
Queens County—No. 19 Hardenbrook avenue, Jamaica. Sydney Ollendorff, Clerk. This court is held on Thursdays.
Richmond County—Corn Exchange Bank Bldg., St. George, S. I. William J. Browne, Clerk. This court is held on Tuesdays. Office open every day (except Sundays and holidays) from 9 a. m. to 4 p. m. On Saturdays from 9 a. m. to 12 m.

CITY MAGISTRATES' COURT.

First Division.
Court opens from 9 a. m. to 4 p. m.
William McAdoo, Chief City Magistrate; Robert C. Cornell, Leroy B. Crane, Peter T. Barlow, Matthew P. Breen, Frederick B. House, Charles N. Harris, Frederic Kernochan, Arthur C. Butts, Joseph E. Corrigan, Moses Herrman, Paul Krotel, Keyran J. O'Connor, Henry W. Herbert, Charles W. Appleton, Daniel F. Murphy, John J. Freschi, Francis X. McQuade, City Magistrates.
Philip Bloch, Chief Clerk, 300 Mulberry street. Telephone, 6213 Spring.
First District—Criminal Courts Building.
Second District—Jefferson Market.
Third District—Second avenue and First street.
Fourth District—No. 151 East Fifty-seventh street.
Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place.
Sixth District—One Hundred and Sixty-first street and Brook avenue.
Seventh District—No. 314 West Fifty-fourth street.
Eighth District—Main street, Westchester.
Ninth District (Night Court for Females)—125 Sixth avenue.
Tenth District (Night Court for Males)—No. 151 East Fifty-seventh street.
Eleventh District—Domestic Relations Court—No. 151 East Fifty-seventh street.
Second Division.
Borough of Brooklyn.
Otto Kempner, Chief City Magistrate; Edward J. Dooley, John Naumer, A. V. B. Voorhees, Jr., Alexander H. Geismar, John F. Hylan, Howard P. Nash, Moses J. Harris, Charles J. Dodd, John C. McGuire, Louis H. Reynolds, City Magistrates.
Office of Chief Magistrates, 44 Court street, Rooms 209-214. Telephone, 7411 Main.
William F. Delaney, Chief Clerk.
Archibald J. McKinney, Chief Probation Officer.

Courts.
First District—No. 318 Adams street.
Second District—Court and Butler streets.
Fourth District—No. 6 Lee avenue.
Fifth District—No. 249 Manhattan avenue.
Sixth District—No. 495 Gates avenue.
Seventh District—No. 31 Snider avenue (Flat-bush).
Eighth District—West Eighth street (Coney Island).
Ninth District—Fifth avenue and Twenty-third street.
Tenth District—No. 133 New Jersey avenue.
Domestic Relations Court—Myrtle and Vanderbilt avenues.
Borough of Queens.
City Magistrates—Matthew J. Smith, Joseph Fitch, Eugene C. Gilroy.

Courts.
First District—St. Mary's Lyceum, Long Island City.
Second District—Town Hall, Flushing, L. I.
Third District—Central avenue, Far Rockaway, L. I.
Fourth District—Town Hall, Jamaica, L. I.
Borough of Richmond.
City Magistrates—Joseph B. Handy, Nathaniel Marsh.

Courts.
First District—Lafayette avenue, New Brighton, Staten Island.
Second Division—Village Hall, Stapleton, Staten Island.
All Courts open daily for business from 9 a. m. to 4 p. m., except on Saturdays, Sundays and legal holidays, when only morning sessions are held.

MUNICIPAL COURTS.

Borough of Manhattan.
First District—The First District embraces the territory bounded on the south and west by the southerly and westerly boundaries of the said borough, on the north by the centre line of Fourteenth street and the centre line of Fifth street from the Bowery to Second avenue, on

the east by the centre lines of Fourth avenue from Fourteenth street to Fifth street, Second avenue, Chrystie street, Division street and Catharine street.

Wauhope Lynn, William F. Moore, John Hoyer, Justices.

Thomas O'Connell, Clerk.
Location of Court—Merchants' Association Building, Nos. 54-60 Lafayette street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Additional Part is held at southwest corner of Sixth avenue and Tenth street.

Telephone, 6030 Franklin.

Second District—The Second District embraces the territory bounded on the south by the centre line of Fifth street from the Bowery to Second avenue and on the south and east by the southerly and easterly boundaries of the said borough, on the north by the centre line of East Fourteenth street, on the west by the centre lines of Fourth avenue from Fourteenth street to Fifth street, Second avenue, Chrystie street, Division street and Catharine street.

Benjamin Hoffman, Leon Sanders, Thomas P. Dinnean, Leonard A. Snitkin, Justices.

James J. Devlin, Clerk.

Location of Court—Nos. 264 and 266 Madison street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 4300 Orchard.

Third District—The Third District embraces the territory bounded on the south by the centre line of Fourteenth street, on the east by the centre line of Seventh avenue from Fourteenth street to Fifty-ninth street and by the centre line of Central Park West from Fifty-ninth street to Sixty-fifth street, on the north by the centre line of Sixty-fifth street and the centre line of Fifty-ninth street from Seventh to Eighth avenue, on the west by the westerly boundary of the said borough.

Thomas E. Murray, Thomas F. Noonan, Justices.

Michael Skelly, Clerk.

Location of Court—No. 314 West Fifty-fourth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone number, 5450 Columbus.

Fourth District—The Fourth District embraces the territory bounded on the south by the centre line of East Fourteenth street, on the west by the centre line of Lexington avenue and by the centre line of Irving place, including its projection through Gramercy Park, on the north by the centre line of Fifty-ninth street, on the east by the easterly line of said borough; excluding, however, any portion of Blackwells Island.

Michael F. Blake, William J. Boyhan, Justices.

Abram Bernard, Clerk.

Location of Court—Part I. and Part II., No. 151 East Fifty-seventh street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 3860 Plaza.

Fifth District—The Fifth District embraces the territory bounded on the south by the centre line of Sixty-fifth street, on the east by the centre line of Central Park West, on the north by the centre line of One Hundred and Tenth street, on the west by the westerly boundary of said borough.

Alfred P. W. Seaman, William Young, Frederick Spiegelberg, Justices.

John H. Servis, Clerk.

Location of Court—Southwest corner of Broadway and Ninety-sixth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 4006 Riverside.

Sixth District—The Sixth District embraces the territory bounded on the south by the centre line of Fifty-ninth street and by the centre line of Ninety-sixth street from Lexington avenue to Fifth avenue, on the west by the centre line of Lexington avenue from Fifty-ninth street to Ninety-sixth street and the centre line of Fifth avenue from Ninety-sixth street to One Hundred and Tenth street, on the north by the centre line of One Hundred and Tenth street, on the east by the easterly boundary of said borough, including, however, all of Blackwells Island and excluding any portion of Wards Island.

Jacob Marks, Solomon Oppenheimer, Justices.

Edward A. McQuade, Clerk.

Location of Court—Northwest corner of Third avenue and Eighty-third street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 4343 Lenox.

Seventh District—The Seventh District embraces the territory bounded on the south by the centre line of One Hundred and Tenth street, on the east by the centre line of Fifth avenue to the northerly terminus thereof, and north of the northerly terminus of Fifth avenue, following in a northerly direction the course of the Harlem River, on a line coterminous with the easterly boundary of said borough, on the north and west by the northerly and westerly boundaries of said borough.

Philip J. Sinnott, David L. Weil, John R. Davies, Justices.

John P. Burns, Clerk.

Location of Court—No. 70 Manhattan street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; July and August, 9 a. m. to 2 p. m.

Eighth District—The Eighth District embraces the territory bounded on the south by the centre line of One Hundred and Tenth street, on the west by the centre line of Fifth avenue, on the north and east by the northerly and easterly boundaries of said borough, including Randall's Island and the whole of Wards Island.

Joseph P. Fallon and Leopold Prince, Justices.

William J. Kennedy, Clerk.

Location of Court—Sylvan place and One Hundred and Twenty-first street, near Third avenue. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 3950 Harlem.

Ninth District—The Ninth District embraces the territory bounded on the south by the centre line of Fourteenth street and by the centre line of Fifty-ninth street from the centre line of Seventh avenue to the centre line of Central Park West, on the east by the centre line of Lexington avenue and by the centre line of Irving place, including its projection through Gramercy Park, and by the centre line of Fifth avenue from the centre line of Ninety-sixth street to the centre line of One Hundred and Tenth street, on the north by the centre line of Ninety-sixth street from the centre line of Lexington avenue to the centre line of Fifth avenue and One Hundred and Tenth street from Fifth avenue to Central Park West, on the west by the centre line of Seventh avenue and Central Park West.

Edgar J. Lauer, Frederic De Witt Wells, Frank D. Sturges, William C. Wilson, Justices.

William J. Chamberlain, Clerk.

Location of Court—Southwest corner of Madison avenue and Fifty-ninth street. Parts I. and II. Court opens at 9 a. m. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays 9 a. m. to 12 m.

Telephone, 3873 Plaza.

Borough of The Bronx.

First District—All that part of the Twenty-fourth Ward which was lately annexed to the City and County of New York by chapter 934 of the Laws of 1895, comprising all of the late Town of Westchester and part of the Towns of Eastchester and Pelham including the Villages of Wakefield and Williamsbridge. Court-room, Town Hall, No. 1400 Williamsbridge road, Westchester Village. Court open daily (Sundays and

legal holidays excepted) from 9 a. m. to 4 p. m.

Trial of causes, Tuesday and Friday of each week.

Peter A. Sheil, Justice.

Stephen Collins, Clerk.

Office hours from 9 a. m. to 4 p. m.; Saturdays closing at 12 m.

Telephone, 457 Westchester.

Second District—Twenty-third and Twenty-fourth Wards, except the territory described in chapter 934 of the Laws of 1895. Court-room southeast corner of Washington avenue and One Hundred and Sixty-second street. Office hours from 9 a. m. to 4 p. m. Court opens at 9 a. m., Sundays and legal holidays excepted.

John M. Tierney, Justice. Thomas A. Maher, Clerk.

Telephone, 3043 Melrose.

Borough of Brooklyn.

First District—Comprising First, Second, Third, Fourth, Fifth, Sixth, Tenth and Twelfth Wards, and that portion of the Eleventh Ward beginning at the intersection of the centre lines of Hudson and Myrtle avenues, thence along the centre line of Myrtle avenue to North Portland avenue, thence along the centre line of North Portland avenue to Flushing avenue, thence along the centre line of Flushing avenue to Navy street, thence along the centre line of Navy street to Johnson street, thence along the centre line of Johnson street to Hudson avenue, and thence along the centre line of Hudson avenue to the point of beginning, of the Borough of Brooklyn.

Court-house, northwest corner State and Court streets. Parts I. and II.

Eugene Conran, Justice. Edward Moran, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Second District—Seventh Ward and that portion of the Twenty-first and Twenty-third Wards west of the centre line of Stuyvesant avenue and the centre line of Schenectady avenue, also that portion of the Twentieth Ward beginning at the intersection of the centre lines of North Portland and Myrtle avenues, thence along the centre line of Myrtle avenue to Waverly avenue, thence along the centre line of Waverly avenue to Park avenue, thence along the centre line of Park avenue to Washington avenue, thence along the centre line of Washington avenue to Flushing avenue, thence along the centre line of Flushing avenue to North Portland avenue, and thence along the centre line of North Portland avenue to the point of beginning.

Court-room No. 495 Gates avenue.

John R. Farrar, George Freifeld, Justices.

Franklin B. Van Wart, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m., Sundays and legal holidays excepted. Saturdays 8.45 a. m. to 12 m.

Telephone, 504 Bedford.

Third District—Embraces the Thirteenth, Fourteenth, Fifteenth, Sixteenth, Seventeenth, Eighteenth and Nineteenth Wards, and that portion of the Twenty-seventh Ward lying northwest of the centre line of Starr street between the boundary line of Queens County and the centre line of Central avenue, and northwest to the centre line of Suydam street between the centre lines of Central and Bushwick avenues, and northwest of the centre line of Willoughby avenue between the centre lines of Bushwick avenue and Broadway.

Court-house, Nos. 6 and 8 Lee avenue, Brooklyn.

Philip D. Meagher and William J. Bogenschutz, Justices.

John W. Carpenter, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Court opens at 9 a. m.

Telephone, 995 Williamsburg.

Fourth District—Embraces the Twenty-fourth and Twenty-fifth Wards, that portion of the Twenty-first and Twenty-third Wards lying east of the centre line of Stuyvesant avenue and east of the centre line of Schenectady avenue, and that portion of the Twenty-seventh Ward lying southeast of the centre line of Starr street between the boundary line of Queens and the centre line of Central avenue and southeast of the centre line of Suydam street between the centre lines of Central and Bushwick avenues, and southeast of the centre line of Willoughby avenue between the centre lines of Bushwick avenue and Broadway.

Court-room No. 14 Howard avenue.

Jacob S. Strahl, Justice. Joseph P. McCarthy, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Fifth District—Contains the Eighth, Thirtieth and Thirty-first Wards, and so much of the Twenty-second Ward as lies south of Prospect avenue.

Court-house, northwest corner of Fifth-third street and Third avenue (No. 5220 Third avenue).

Cornelius Furgueson, Justice. Jeremiah J. O'Leary, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Telephone, 407 Bay Ridge.

Sixth District—The Sixth District embraces the Ninth and Twenty-ninth Wards and that portion of the Twenty-second Ward north of the centre line of Prospect avenue; also that portion of the Eleventh and Twentieth Wards beginning at the intersection of the centre lines of Bridge and Fulton streets; thence along the centre line of Fulton street to Flatbush avenue; thence along the centre line of Flatbush avenue to Atlantic avenue; thence along the centre line of Atlantic avenue to Washington avenue; thence along the centre line of Washington avenue to Park avenue; thence along the centre line of Park avenue to Waverly avenue; thence along the centre line of Waverly avenue to Myrtle avenue; thence along the centre line of Myrtle avenue to Hudson avenue; thence along the centre line of Hudson avenue to Johnson street; thence along the centre line of Johnson street to Bridge street, and thence along the centre line of Bridge street to the point of beginning.

Lucien S. Baylis and W. Seward Shanahan, Justices.

William R. Fagan, Clerk.

Court-house, No. 236 Dufrid street.

Telephone, 6166-J Main.

Seventh District—The Seventh District embraces the Twenty-sixth, Twenty-eighth and Thirty-second Wards.

Alexander S. Rosenthal and Edward A. Richards, Justices.

Samuel F. Brothers, Clerk.

Court-house, corner Pennsylvania avenue and Fulton street (No. 31 Pennsylvania avenue).

Clerk's Office open from 8.45 a. m. to 4 p. m., Saturdays, 9 a. m. to 12 m. Trial days, Tuesdays, Wednesdays, Thursdays and Fridays. During July and August, 8.45 a. m. to 2 p. m.

Telephones, 904 and 905 East New York.

Borough of Queens.

First District—Embraces the territory bounded by and within the canal, Rapelye avenue, Jackson avenue, Old Bowers Bay road, Bowers Bay, East River and Newtown Creek. Court-room, St. Mary's Lyceum, Nos. 115 and 117 Fifth street, Long Island City.

Clerk's Office open from 9 a. m. to 4 p. m. each day, excepting Saturdays, closing at 12 m.

Trial days, Mondays, Wednesdays and Fridays. All other business transacted on Tuesdays and Thursdays.

Thomas C. Kadien, Justice. John F. Cassidy, Clerk.

Telephone, 2376 Greenpoint.

Second District—Embraces the territory bounded by and within Maspeth avenue, Maurice avenue, Calamus road, Long Island Railroad, Trotting Course lane, Metropolitan avenue, boundary line between the Second and Fourth Wards, boundary line between the Second and

Third Wards, Flushing creek, Ireland Mill road, Lawrence avenue, Bradford avenue, Main street, Lincoln street, Union street, Broadway, Parsons avenue, Lincoln street, Percy street, Sanford avenue, Murray lane, Bayside avenue, Little Bayside road, Little Neck bay, East river, Bowers bay, Old Bowers Bay road, Jackson, Bowers, Rapelye avenue, the canal and Newtown creek.

Court-room in Court-house of the late Town of Newtown, corner of Broadway and Court street, Elmhurst, New York. P. O. Address, Elmhurst, Queens County, New York.

John M. Cragen, Justice. J. Frank Ryan, Clerk.

Trial days, Tuesdays and Thursdays.

Fridays for Jury trials only.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Telephone, 87 Newtown.

Third District—Embraces the territory bounded by and within Maspeth avenue, Maurice avenue, Calamus road, Long Island Railroad, Trotting Course lane, Metropolitan avenue, boundary line between the Second and Fourth Wards, Vander avenue, Jamaica avenue, Shaw avenue, Atlantic avenue, Morris avenue, Rockaway road, boundary line between Queens and Nassau counties, Atlantic Ocean, Rockaway Inlet, boundary line between Queens and Kings counties and Newtown creek.

Alfred Denton, Justice. John H. Huhn, Clerk.

1908 and 1910 Myrtle avenue, Glendale.

Telephone, 2352 Bushwick.

Clerk's Office open from 9 a. m. to 4 p. m.

Trial days, Tuesdays and Thursdays (Fridays for Jury trials only), at 9 a. m.

Fourth District—Embraces the territory bounded by and within the boundary line between the Second and Fourth Wards, the boundary line between the Second and Third Wards, Flushing creek, Ireland Mill road, Lawrence avenue, Bradford avenue, Main street, Lincoln street, Union street, Broadway, Parsons avenue, Lincoln street, Percy street, Sanford avenue, Murray lane, Bayside avenue, Little Bayside road, Little Neck bay, boundary line between Queens and Nassau counties, Rockaway road, Morris avenue, Atlantic avenue, Shaw avenue, Jamaica avenue and Vandever avenue.

Court-house, Town Hall, northeast corner of Fulton street and Flushing avenue, Jamaica.

James F. McLaughlin, Justice. George W. Damon, Clerk.

Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Court held on Mondays, Wednesdays and Fridays at 9 a. m.

Telephone, 1654 Jamaica.

Borough of Richmond.

First District—First and Third Wards (Towns of Castleton and Northfield). Court-room, former Village Hall, Lafayette avenue and Second street, New Brighton.

Thomas C. Brown, Justice. Thomas E. Crimmins, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m.

Telephone, 503 Tompkinsville.

Second District—Second, Fourth and Fifth Wards (Towns of Middletown, Southfield and Westfield). Court-room, former Edgewater Village Hall, Stapleton.

Arnold J. B. Wedemeyer, Justice. William Wedemeyer, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m.

Court opens at 9 a. m. Calendar called at 9 a. m. Court continued until close of business.

Trial days, Mondays, Wednesdays and Fridays.

Telephone, 313 Tompkinsville.

POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK.
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 custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

R. WALDO, Police Commissioner.

POLICE DEPARTMENT OF CITY OF NEW YORK, BOROUGH OF BROOKLYN.
OWNERS WANTED BY THE PROPERTY
Clerk of the Police Department of The City of New York—Office, No. 269 State street, Borough of Brooklyn—for the following property, now in custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

R. WALDO, Police Commissioner.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, Room 1903, 13 to 21 Park Row, BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity, at the above office, until 2 o'clock p. m., on

WEDNESDAY, DECEMBER 13, 1911.

Boroughs of Manhattan and The Bronx.

No. 1. FOR FURNISHING, DELIVERING, STORING AND TRIMMING COAL.

The time allowed for the delivery of the coal and the performance of the contract is sixty (60) calendar days.

The amount of security required is Eight Hundred (800) Dollars.

All Boroughs.

No. 2. FOR FURNISHING AND DELIVERING MISCELLANEOUS SUPPLIES AS FOLLOWS: CHEMICALS, CLEANSING COMPOUNDS, CORDAGE, OAKUM AND ROPE, LEATHER AND SADDLERY, MATERIALS OF CONSTRUCTION, METALS AND ALLOYS, MISCELLANEOUS OILS, GREASES, ETC.; PACKING, PIPES, VALVES AND PIPE FITTINGS, RUBBER GOODS, TEXTILES, FABRICS AND NATURAL FIBRES, TOOLS AND IMPLEMENTS, ETC.

The time allowed for the delivery of the supplies and the performance of the contract is ninety (90) calendar days.

The amount of security required is twenty-five (25) per cent. of the amount of the bid.

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule, by which the bids will be tested.

The bids will be compared and award made to the lowest formal bidder in a lump or aggregate sum for all sections on No. 1, and to the lowest formal bidder on each item on No. 2.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department, Room 1903, 13 to 21 Park row, Borough of Manhattan, where any further information desired may be obtained.

HENRY S. THOMPSON, Commissioner.

November 28, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

BELLEVUE AND ALLIED HOSPITALS

DEPARTMENT OF BELLEVUE AND ALLIED HOSPITALS, NEW YORK CITY, 26TH ST. AND 1ST AVE., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Board of Trustees in the Staff Room of Bellevue Hospital (entrance, 415 E. 26th st.), until 3 o'clock p. m., on

TUESDAY, DECEMBER 19, 1911.

1. FOR FRESH MEATS, FISH, MILK, POULTRY, DRIED, SMOKED AND PICKLED MEATS, BREAD AND ROLLS, ICE, FRUITS, VEGETABLES, HAY AND OATS, ETC., UNIFORMS, X-RAY PLATES, X-RAY TUBES AND PHOTO PAPER.

3. ENGINEER'S SUPPLIES, LUMBER, PAINTS, GLASS AND OILS.

4. COAL.

The sum required will be not less than fifty per cent. (50%) of the amount of the bid. The time for the delivery of the supplies and the full performance of the contract is by or before December 31, 1912.

The bids will be read from the total, and will be compared and awarded to the lowest bidder for the line or class as soon thereafter as practicable, according to law.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Blank forms may be obtained at the office of the Contract Clerk, entrance 400 E. 29th st., Borough of Manhattan.

JOHN W. BRANNAN, President of the Board of Trustees, Bellevue and Allied Hospitals.

Dated December 5, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, DECEMBER 9, 1911.

PUBLIC NOTICE IS HEREBY GIVEN OF the proposed amendment of the Municipal Civil Service Classification by including in the Exempt Class the following:

PUBLIC RECREATION COMMISSION: SECRETARY, STENOGRAPHER.

A public hearing will be had at the offices of the Commission, 299 Broadway, New York, on

WEDNESDAY, DECEMBER 13, 1911,

at ten o'clock a. m.

F. A. SPENCER, Secretary.

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MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, DECEMBER 9, 1911.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

SATURDAY, DECEMBER 9, TO 12 M., SATURDAY, DECEMBER 23, 1911.

for the position of

VETERINARIAN, DEPARTMENT OF HEALTH.

**COMMISSIONER OF RECORDS,
COUNTY OF NEW YORK.**

DEPARTMENT OF THE COMMISSIONER OF RECORDS OF THE COUNTY OF NEW YORK, HALL OF RECORDS, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Records, County of New York, at the Hall of Records, Borough of Manhattan, Room 12, eighth floor, until 12 o'clock noon on

MONDAY, DECEMBER 18, 1911.

FOR FURNISHING STEEL FILING CUPBOARDS FOR THE OFFICE OF THE CLERK OF THE COUNTY OF NEW YORK, DEPARTMENT OF THE COMMISSIONER OF RECORDS, COUNTY OF NEW YORK, AS SHOWN ON PLANS, OR AS MAY BE NECESSARY TO COMPLETE THE WORK IN A FIRST-CLASS AND PROPER MANNER, ALL TO BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND ACCOMPANYING DRAWINGS PREPARED, UNDER THE DIRECTION OF THE COMMISSIONER OF RECORDS, COUNTY OF NEW YORK, BY JAMES V. REDDY, ARCHITECT, 41 W. 33D ST., NEW YORK CITY, AND COMPLETED UNDER HIS SUPERVISION.

The time allowed for doing and completing the work will be sixty (60) consecutive calendar days.

The security required will be One Thousand Dollars (\$1,000).

Bidders must state a lump sum for the above contract, as the contract is entire and for the complete job.

Plans and drawings may be seen and blank forms of the contract and specifications may be obtained at the office of the architect, James V. Reddy, 41 W. 33d st., Borough of Manhattan.

WILLIAM S. ANDREWS, Commissioner of Records, County of New York, State of New York.

City of New York, Borough of Manhattan.

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF THE COMMISSIONER OF RECORDS, COUNTY OF NEW YORK, HALL OF RECORDS, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Records, County of New York, at the Hall of Records, Borough of Manhattan, Room 12, eighth floor, until 12 o'clock noon, on

FRIDAY, DECEMBER 15, 1911.

FOR FURNISHING AND DELIVERING, IN THE OFFICE OF THE COMMISSIONER OF RECORDS, COUNTY OF NEW YORK, IN THE HALL OF RECORDS, INDEX BOOKS COMPRISING: LOOSE LEAF BINDERS; COATED CLOTH DIVISION SHEETS; LETTERED TABS; RULING, PRINTING, CUTTING, PUNCHING AND CREATING INDEX SHEETS, PAPER STOCK FOR WHICH WILL BE FURNISHED BY THE COMMISSIONER OF RECORDS. ALL TO BE DONE IN ACCORDANCE WITH THE CONTRACT AND SPECIFICATIONS, SAMPLES AND COPY, SHOWN IN THE OFFICE OF THE COMMISSIONER OF RECORDS, COUNTY OF NEW YORK.

The time allowed for furnishing and delivering the supplies will be 60 consecutive calendar days.

The security required will be fifty per cent. of the amount bid.

Bidders must state a lump sum for the above contract, as the contract is entire and for the complete job.

Samples and copy may be seen, and blank forms of instructions to bidders and of the contract and specifications may be obtained at the office of the Commissioner of Records, County of New York, at the Hall of Records, as above.

WILLIAM S. ANDREWS, Commissioner of Records, County of New York, State of New York, City of New York, Borough of Manhattan.

See General Instructions to Bidders on the last page, last column, of the "City Record."

BOROUGH OF RICHMOND.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF RICHMOND, BOROUGH HALL, ST. GEORGE, NEW BRITTON, NEW YORK CITY.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Richmond at the above office until 12 o'clock m., on

TUESDAY, DECEMBER 19, 1911.

Borough of Richmond.

1. FOR FURNISHING AND DELIVERING FORAGE AT STABLE "A," SWAN STREET, TOMPKINSVILLE, STATEN ISLAND.

The Superintendent's estimate of the quantity and quality of the material required is as follows:

195,000 pounds No. 1 timothy hay.
33,000 pounds No. 1 straight rye straw.
200,000 pounds clipped oats.
11,300 pounds bran.
300 pounds fine salt.
400 pounds oil meal.
15 dozen salt bricks.

The time for the completion of the work and the full performance of the contract is by or before August 31, 1912.

The amount of security required is Three Thousand Dollars (\$3,000).

2. FOR FURNISHING AND DELIVERING FORAGE AT STABLE "B," COLUMBIA STREET, WEST NEW BRITTON, STATEN ISLAND.

The Superintendent's estimate of the quantity and quality of the material required is as follows:

120,000 pounds No. 1 timothy hay.
20,000 pounds No. 1 straight rye straw.
135,000 pounds No. 2 white clipped oats.
4,000 pounds bran.
800 pounds oil meal.
10 dozen salt bricks.

The time for the completion of the work and the full performance of the contract is by or before August 31, 1912.

The amount of security required is Two Thousand Dollars (\$2,000).

3. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR SHOEING THE HORSES IN STABLE "A," SWAN STREET, TOMPKINSVILLE, STATEN ISLAND.

The Superintendent's estimate of the quantity and quality of the material, and the nature and extent, as near as possible, of the work required is as follows:

Shoeing 30 draft horses.

Shoeing 9 driving horses.

The time for the completion of the work and the full performance of the contract is December 31, 1912.

The amount of security required is Five Hundred Dollars (\$500).

4. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR SHOEING THE HORSES IN STABLE "B," COLUMBIA STREET, WEST NEW BRITTON, STATEN ISLAND.

The Superintendent's estimate of the quantity and quality of the material, and the nature and extent, as near as possible, of the work required is as follows:

Shoeing 24 draft horses.

Shoeing 4 driving horses.

The time for the completion of the work and the full performance of the contract is December 31, 1912.

The amount of security required is Four Hundred Dollars (\$400).

The contracts must be bid for separately, and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bidders are requested to make their bids or estimates upon the blank form prepared by the President, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the said President.

GEORGE CROMWELL, President.

The City of New York, November 28, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF RICHMOND, BOROUGH HALL, ST. GEORGE, NEW BRITTON, NEW YORK CITY.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Richmond at the above office until 12 o'clock m., on

TUESDAY, DECEMBER 12, 1911.

Borough of Richmond.

1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SUBSTANTIAL AND SAFE FENCES IN FRONT OF VACANT LOTS WHEREVER THE SAME ARE NOT NOW BUILT OR ARE OUT OF REPAIR ON THE SOUTH SIDE OF INNIS STREET, BETWEEN MORNINGSTAR ROAD AND JOHN STREET, AND OTHER STREETS, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantity and quality of the material, and the nature and extent, as near as possible, of the work required, is as follows:

1,750 linear feet of board fence, built.

35 strap angle braces, in place, complete, as described in specifications.

The time for the completion of the work and the full performance of the contract is thirty (30) days.

The amount of security required is Six Hundred Dollars (\$600).

The contracts must be bid for separately, and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bidders are requested to make their bids or estimates upon the blank form prepared by the President, a copy of which, with the proper envelope in which to enclose the bid, can be obtained upon application therefor at the office of the Engineer. The plans and the contract, including the specifications, in the form approved by the Corporation Counsel, may be seen and other information obtained at the office of the Engineer of the Borough of Richmond, Borough Hall, St. George, S. I.

GEORGE CROMWELL, President.

The City of New York, November 22, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

**DEPARTMENT OF DOCKS
AND FERRIES.**

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock noon, on

THURSDAY, DECEMBER 21, 1911.

CONTRACT NO. 1302—FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING ANTHRACITE COAL.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 180 calendar days.

The amount of security required is \$9,000.

The bidder shall state, both in writing and in figures, a price per ton, as indicated in the schedule, which price when so stated shall be net and shall not include containers unless specified to the contrary. Extensions must be made and footed up in all cases. In case of discrepancy between the written price and that given in figures the price in writing will be considered as the bid.

The contract, if awarded, will be awarded to the bidder whose price is the lowest for furnishing all of the coal called for and whose bid is regular in all respects.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.

Dated December 8, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock noon, on

THURSDAY, DECEMBER 21, 1911.

CONTRACT NO. 1307—FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REPAIRING THE ASPHALT PAVEMENT ON THE MARGINAL STREET, NORTH, EAST AND HARLEM RIVERS, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time for the completion of the work and the full performance of the contract is on or before December 31, 1912.

The amount of security required is:

For Class 1, repairs to wearing surface and binder, North River, the sum of \$9,000.

For Class 2, repairs to wearing surface and binder, East and Harlem Rivers, the sum of \$600.

The bidder shall state, both in writing and in figures, a price per square yard for doing all of the work called for in the class upon which a bid is submitted. The bids will be tested by the price bid per square yard and the awards, if made, will be made to the bidder whose price per square yard is the lowest in the class and whose bid is regular in all respects. Each class of the contract is a separate and distinct contract in itself.

In case of discrepancy between the written price and that given in figures the price in writing will be considered as the bid.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.

Dated December 8, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m., on

TUESDAY, DECEMBER 19, 1911.

CONTRACT NO. 1287—FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR PREPARING FOR AND PAVING WITH ASPHALT THE DECKS OF PIERS AT WHALE CREEK, BOROUGH OF BROOKLYN, AND AT JAMAICA AVE., BOROUGH OF QUEENS.

The time for the completion of the work and the full performance of the contract under each class is on or before the expiration of 30 calendar days.

The amount of security required is as follows:

For Class 1, Pier at Whale Creek, Brooklyn, the sum of \$2,500.

For Class 2, Pier at Jamaica ave., Queens, the sum of \$400.

The bidder shall state a price per square yard for furnishing all of the labor and material and doing all of the work called for in any class on which a bid is submitted, by which price the bids will be tested and awards, if made, will be made in each class to the bidder whose price per square yard is the lowest in the class and whose bid is regular in all respects.

The attention of bidders is called to Article 7 of the contract, which permits the Commissioner to increase the amount of work called for in each class to an extent not to exceed five per cent.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.

Dated December 5, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock noon, on

TUESDAY, DECEMBER 12, 1911.

CONTRACT NO. 1310—FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING RUBBER BUFFERS.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 10 calendar days.

The amount of security required is \$1,800.

The bidder shall state, both in writing and in figures, a unit price for furnishing the buffers as called for and a total or aggregate price for furnishing and delivering all of the material called for. The contract, if awarded, will be awarded to the bidder whose aggregate price is the lowest and whose bid is regular in all respects.

In case of discrepancy between the written price and that given in figures the price in writing will be considered as the bid.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.

Dated November 28, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PARKS.

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, DECEMBER 14, 1911.

Borough of Manhattan.

FOR FURNISHING AND DELIVERING TWO GASOLINE MOTOR ROAD ROLLERS.

The time allowed for the completion of this contract will be 30 consecutive working days.

The amount of security required is Three Thousand Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, 64th st. and 5th ave., Borough of Manhattan, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, DECEMBER 14, 1911.

Borough of Manhattan.

FOR FURNISHING AND LAYING WATER MAINS AND APPURTENANCES IN VARIOUS PLACES AS REQUIRED IN CENTRAL PARK.

The time allowed for the completion of the whole work will be one hundred consecutive working days.

The amount of security required is Seventeen Thousand Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, DECEMBER 14, 1911.

Borough of Manhattan.

FOR FURNISHING AND LAYING A WATER SUPPLY FOR THE NEW COMFORT STATION WEST OF THE OLD RESERVOIR IN CENTRAL PARK.

The time allowed for the completion of the whole work will be thirty consecutive working days.

The amount of security required is One Thousand Three Hundred Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, DECEMBER 14, 1911.

Borough of Manhattan.

FOR ALL LABOR AND MATERIALS REQUIRED FOR PAINTING THE EXTERIOR OF JUMEL MANSION, LOCATED AT JUMEL PLACE, WEST 160TH TO WEST 161ST STREETS.

The amount of the security required is Five Hundred Dollars.

The time allowed to complete the whole work will be thirty consecutive working days.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, DECEMBER 14, 1911.

Borough of Manhattan.

FOR CONSTRUCTING A PIPE-SEWER AND APPURTENANCES FROM THE NEW COMFORT STATION WEST OF THE RESERVOIR TO THE SEWER FROM THE SWEDISH SCHOOL HOUSE, ALL IN CENTRAL PARK.

The amount of security required is One Thousand Dollars.

The time allowed to complete the work will be thirty-five consecutive working days.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, DECEMBER 14, 1911.

Borough of Manhattan.

FOR ALL LABOR AND MATERIALS REQUIRED FOR FURNISHING AND INSTALLING A NEW STEAM BOILER IN THE ARSENAL BUILDING IN CENTRAL PARK.

The amount of security required is Five Hundred Dollars.

The time allowed to complete the work will be thirty consecutive working days.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

See General

BOROUGH OF THE BRONX.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF THE BRONX, MUNICIPAL BUILDING, CROTONA PARK, 177TH ST. AND 3D AVE.
SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of The Bronx, at the above office, until 10.30 a. m. on

MONDAY, DECEMBER 18, 1911.

FOR FURNISHING AND DELIVERING 300 CURB YARDS OF PAVING SAND.
The time allowed for the delivery of the articles and the performance of the contract will be thirty calendar days.
The amount of security required will be One Hundred and Seventy-five Dollars.
Blank forms can be obtained upon application therefor, and the plans and specifications may be seen and other information obtained at said office.
CYRUS C. MILLER, President.
d6,18

See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD MEETINGS.

Board of Aldermen.

The Board of Aldermen meets in the Aldermanic Chamber, City Hall, every Tuesday, at 1.30 o'clock p. m.
P. J. SCULLY, City Clerk and Clerk to the Board of Aldermen.

Board of Estimate and Apportionment.
The Board of Estimate and Apportionment meets in the Old Council Chamber (Room 16), City Hall, every Thursday, at 10.30 o'clock a. m.
JOSEPH HAAG, Secretary.

Commissioners of Sinking Fund.
The Commissioners of the Sinking Fund meet in the Meeting Room (Room 16), City Hall, on Wednesdays, at 11 a. m., at call of the Mayor.
HENRY J. WALSH, Deputy Chamberlain, Secretary.

Board of Revision of Assessments.
The Board of Revision of Assessments meets in the Meeting Room (Room 16), City Hall, every Friday, at 11 a. m., upon notice of the Chief Clerk.
JOHN KORB, JR., Chief Clerk.

Board of City Record.
The Board of City Record meets in the City Hall at call of the Mayor.
DAVID FERGUSON, Supervisor, Secretary.

DEPARTMENT OF FINANCE.

OFFICE OF THE DEPARTMENT OF FINANCE, THE CITY OF NEW YORK.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received at the office of the Department of Finance, 280 Broadway, City of New York, until 12 m.

TUESDAY, DECEMBER 19, 1911.
FOR FURNISHING AUTOMOBILE SERVICE FOR THE DEPARTMENT OF FINANCE, WITHIN THE CITY OF NEW YORK. MACHINES TO START FROM AND RETURN TO BROADWAY AND CHAMBERS STREET, ONE TO SIX CARS, AS MAY BE REQUIRED, TO BE FURNISHED DAILY, EXCEPT SUNDAYS AND HOLIDAYS; TWO CARS TO BE SEVEN-PASSENGER CARS AND FOUR TO BE FIVE-PASSENGER CARS.
The time of the performance of the contract is from January 1, 1912, to December 31, 1912.
The amount of security shall be Two Thousand Dollars (\$2,000).
The estimate of the work to be done as set forth in the specifications is as follows:
About four thousand nine hundred and sixty-one (4,961) miles of automobile service for seven-passenger cars.
About twenty-five thousand (25,000) miles of automobile service for five-passenger cars.
About three hundred and seventeen (317) hours of stoppage for seven-passenger cars.
About eighteen hundred and forty-two (1,842) hours of stoppage for five-passenger cars.
Bidders must state in their estimates a price per mile of automobile service for a seven-passenger car; a price per mile for automobile service for a five-passenger car; a price per hour for stoppage for a seven-passenger car; a price per hour for stoppage for a five-passenger car.
Bidders are requested to make their bids or estimates upon the blank form prepared by the Comptroller of The City of New York, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Comptroller, 280 Broadway, in the Borough of Manhattan, New York City.
WM. A. PRENDERGAST, Comptroller.
Dated The City of New York, December 7, 1911.
d8,19

See General Instructions to Bidders on the last page, last column, of the "City Record."

Notice to Taxpayers.

DEPARTMENT OF FINANCE, BUREAU FOR THE COLLECTION OF TAXES, 57 CHAMBERS ST. (STEWART BUILDING), MANHATTAN.

IMPORTANT NOTICE TO TAXPAYERS.

NOTICE IS HEREBY GIVEN TO ALL PERSONS whose taxes for the year 1911 have not been paid before the 1st day of December of the said year, that unless the same shall be paid to the Receiver of Taxes at his office in the Borough in which the property is located, as follows:

Borough of Manhattan, 57 Chambers st.;
Borough of The Bronx, Municipal Building, corner 3d and Tremont aves.;
Borough of Brooklyn, Rooms 2, 4, 6 and 8, Municipal Building;
Borough of Queens, Court square, Long Island City;
Borough of Richmond, Borough Hall, St. George;

—he will charge, receive and collect upon such taxes so remaining unpaid on that day, in addition to the amount of such taxes, interest at the rate of seven per centum per annum, to be calculated from the day on which the said taxes became due and payable, viz., October 2, as provided in section 914 of the Charter as amended by chapter 447, Laws of 1908.
December 1, 1911.

FRED. H. E. EBSTEIN, Receiver of Taxes.
d1,12

Interest on City Bonds and Stock.

THE INTEREST DUE JANUARY 1, 1912, on registered bonds and stock of The City of New York, and of former corporations now included therein, will be paid on January 2, 1912, by the Comptroller at his office (Room 85) in the Stewart Building, corner of Broad-

way and Chambers st., in the Borough of Manhattan.

The interest due January 1, 1912, on the coupon bonds of the late City of Brooklyn will be paid on January 2, 1912, by the Nassau National Bank of Brooklyn, 26 Court st., in the Borough of Brooklyn.

The interest due on January 1, 1912, on coupon bonds of former corporations now included in The City of New York, except the late City of Brooklyn and the former County of Queens, will be paid on January 2, 1912, at the office of the Guaranty Trust Co. of New York, 28 and 30 Nassau st., Borough of Manhattan.

The coupons that are payable on January 1, 1912, for interest on bonds issued by the former County of Queens will be paid on January 2, 1912, at the Queens County Bank, Branch of the Corn Exchange Bank, Borden ave. and Front st., Long Island City.

The books for the transfer of bonds and stock on which interest is due on January 1, 1912, will be closed from December 15, 1911, to January 2, 1912.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, December 1, 1911.
d2,j1

Sureties on Contracts.

UNTIL FURTHER NOTICE SURETY COMPANIES will be accepted as sufficient upon the following contracts to the amounts named: Supplies of Any Description, Including Gas and Electricity.

One company on a bond up to \$50,000.
When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated September 16, 1907.

Construction.

One company on a bond up to \$25,000.
Including regulating, grading, paving, sewers, maintenance, dredging, construction of parks, parkways, docks, buildings, bridges, tunnels, aqueducts, repairs, heating, ventilating, plumbing, etc., etc.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated September 16, 1907.

Asphalt, Asphalt Block and Wood Block Pavements.

Two companies will be required on any and every bond up to amount authorized by letter of Comptroller to the surety companies, dated September 16, 1907.

Dated January 3, 1910.

WILLIAM A. PRENDERGAST, Comptroller.

Notices of Sale.

NOTICE OF CONTINUATION OF THE BRONX TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of The Bronx, as to liens remaining unsold at the termination of sales of February 6, 20; March 6, April 10, May 1, 15, 29, June 19, July 10, September 11, November 13 and 27, 1911, has been continued to

MONDAY, DECEMBER 11, 1911.

at 10 o'clock a. m., pursuant to section 1028 of the Greater New York Charter, and will be continued at that time in the Coroner's Court Room, Bronx Building, 531 Tremont ave., in the Borough of The Bronx, in the City of New York.
DANIEL MOYNAHAN, Collector of Assessments and Arrears.
Dated November 27, 1911.
n28,d11

NOTICE OF CONTINUATION OF QUEENS TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of Queens, Fifth Ward, as to liens remaining unsold at the termination of sale of November 21, 1911, has been continued to

TUESDAY, DECEMBER 12, 1911.

at 2 o'clock p. m., pursuant to section 1028 of the Greater New York Charter, and will be continued at that time in the Arrears office, third floor, Municipal Building, Court House Square, Long Island City, in the Borough of Queens, City of New York.
DANIEL MOYNAHAN, Collector of Assessments and Arrears.
Dated November 21, 1911.
n22,d12

Corporation Sales.

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE BOARD OF Education, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain buildings standing upon property owned by The City of New York, acquired by it for school site purposes in the

Borough of Brooklyn.

Being all the buildings, parts of buildings, etc., standing on the plot of ground, 80 feet by 100 feet, on the easterly side of Pennsylvania avenue, distant 200 feet southerly from the southeast corner of Pennsylvania avenue and Liberty avenue, in the Borough of Brooklyn, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution adopted by the Commissioners of the Sinking Fund, at a meeting held October 25, 1911, the sale by sealed bids of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

MONDAY, DECEMBER 11, 1911.

at 11 a. m., in lots and parcels and in manner and form as follows:
Parcel No. 1—One story frame church building, 173 Pennsylvania avenue.

Sealed Bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 11th day of December, 1911, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security

within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 11, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, December 7, 1911.
d9,11

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT OF the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes, in the

Borough of The Bronx.

Being the buildings, parts of buildings, etc., standing within the lines of Parker street, from Westchester avenue to Castle Hill avenue, in the Borough of The Bronx, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held November 22, 1911, the sale by sealed bids at the upset or minimum prices named in the description of each parcel of the above buildings and appurtenances thereto, will be held by direction of the Comptroller on

FRIDAY, DECEMBER 22, 1911.

at 11 a. m., in lots and parcels and in manner and form and at upset prices, as follows:

Parcel 11—Fence and part of steps at northeast corner of Parker street and Castle Hill avenue. Upset price, \$3.

Parcel 19—Part of three story frame building on the north side of Parker street, about 190 feet east of Castle Hill avenue. Cut 4.5 feet on east and west side by 24.6 feet. Upset price, \$150.

Parcel 23—Fence 125 feet east of Parcel 19. Upset price, \$3.

Parcel 24—Fence and part of steps east of and adjoining Parcel 23. Upset price, \$3.

Parcel 25—Fence east of and adjoining Parcel 24. Upset price, \$3.

Parcel 26—Fence and part of steps east of and adjoining Parcel 25. Upset price, \$2.

Parcel 27—Fence and part of steps east of and adjoining Parcel 26. Upset price, \$5.

Parcel 28—Fence and part of steps east of and adjoining Parcel 27. Upset price, \$5.

Parcel 29—Part of store and steps on the northwest corner of Parker street and Stearns street. Cut store 4.1 feet on west side by 4 feet on east side by 12.9 feet. Upset price, \$25.

Parcel 34—Fence on the north side of Parker street, 75 feet east of Stearns street. Upset price, \$2.

Parcel 38—Part of three story frame building on the northwest corner of Parker street and St. Raymond's avenue. Cut 4.7 feet on west side by 5 feet on east side. Upset price, \$150.

Parcel 45—Part of steps of two story frame house on north side of Parker street, 20 feet west of Glebe avenue. Upset price, \$5.

Parcel 52—Fence on the south side of Parker street, about 150 feet east of Castle Hill avenue. Upset price, \$3.

Parcel 56—Fence 100 feet east of Parcel 52. Upset price, \$3.

Parcel 57—Fence east of and adjoining Parcel 56. Upset price, \$3.

Parcel 58—Fence east of and adjoining Parcel 57. Upset price, \$3.

Parcel 59—Fence east of and adjoining Parcel 58. Upset price, \$3.

Parcel 60—Fence east of and adjoining Parcel 59. Upset price, \$5.

Parcel 61—Fence and part of steps east of and adjoining Parcel 60. Upset price, \$3.

Parcel 62—Fence on the southwest corner of Parker street and Stearns street. Upset price, \$3.

Parcel 65—Fence 25 feet east of Stearns street. Upset price, \$3.

Parcel 66—Fence and part of steps east of and adjoining Parcel 65. Upset price, \$10.

Parcel 69—Part of three story stucco and brick house. Cut 5.2 feet on west side by 4.8 feet on east side by 18.3 feet. Upset price, \$100.

Parcel 70—Part of three story frame flat adjoining Parcel 69. Cut 4.8 feet on east and west sides by 24.6 feet. Upset price, \$150.

Parcel 71—Fence and part of steps on the southwest corner of Parker street and St. Raymond's avenue. Upset price, \$3.

Parcel 74—Fence 50 feet east of St. Raymond's avenue. Upset price, \$5.

Parcel 75—Iron fence and part of steps east of and adjoining Parcel 74. Upset price, \$7.

Parcel 78—Steps on the southwest corner of Parker street and Glebe avenue. Upset price, \$10.

Parcel 84—Fence on the north side of Parker street, 175 feet east of Glebe avenue. Upset price, \$7.

Parcel 99—Fence on the northeast corner of Parker street and Lyon avenue. Upset price, \$12.

Parcel 100—Fence east of and adjoining Parcel 99. Upset price, \$3.

Parcel 103—Iron fence and part of steps 50 feet east of Parcel 100. Upset price, \$5.

Parcel 104—Iron fence and part of steps east of and adjoining Parcel 103. Upset price, \$5.

Parcel 105—Iron fence and part of steps east of and adjoining Parcel 104. Upset price, \$5.

Parcel 106—Iron fence and part of steps east of and adjoining Parcel 105. Upset price, \$5.

Parcel 107—Fence and part of steps east of and adjoining Parcel 106. Upset price, \$3.

Parcel 108—Iron fence and part of steps east of and adjoining Parcel 107. Upset price, \$5.

Parcel 109—Iron fence and part of steps east of and adjoining Parcel 108. Upset price, \$5.

Parcel 115—Iron fence and part of steps on the south side of Parker street, 100 feet east of Lyon avenue. Upset price, \$6.

Parcel 116—Iron fence and part of steps east of and adjoining Parcel 115. Upset price, \$6.

Parcel 118—Fence 25 feet east of Parcel 116. Upset price, \$3.

Parcel 119—Iron fence and part of steps east of and adjoining Parcel 118. Upset price, \$5.

Parcel 120—Concrete wall and part of steps east of and adjoining Parcel 119. Upset price, \$7.

Parcel 121—Concrete wall and part of steps east of and adjoining Parcel 120. Upset price, \$7.

Parcel 122—Fence and part of steps east of and adjoining Parcel 121. Upset price, \$3.

Parcel 123—Fence and part of steps east of and adjoining Parcel 122. Upset price, \$3.

Parcel 124—Iron fence and part of steps east of and adjoining Parcel 123. Upset price, \$6.

Parcel 126—Iron fence and part of steps 25 feet east of Parcel 124. Upset price, \$7.

Parcel 127—Part of one story brick building on the southwest corner of Parker street and Westchester avenue. Cut 4.8 feet on east and west sides by 68.54 feet. Upset price, \$100.

Sealed Bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m. on the 22d day of December, 1911, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security

within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 22, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's office, December 2, 1911.
d6,22

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT OF the Borough of Queens, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of Queens.

Being all the buildings, parts of buildings, etc., standing within the lines of Borden avenue, from Greenpoint avenue to Bradley avenue, in the First Ward of the Borough of Queens, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held November 22, 1911, the sale by sealed bids at the upset or minimum prices named in the description of each parcel of the above buildings and appurtenances thereto, will be held by direction of the Comptroller on

THURSDAY, DECEMBER 21, 1911.

at 11 a. m., in lots and parcels and in manner and form and at upset prices, as follows:

Parcel 6—One story frame building, 79 Gale street. Upset price, \$20.

Parcel 7—One and one-half story frame building, 77 Gale street. Upset price, \$5.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 21st day of December, 1911, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 21, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's office, November 28, 1911.
d5,21

CORPORATION SALE OF

Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes, in the

Borough of The Bronx.

Being the buildings, parts of buildings, etc., standing within the lines of Gun Hill road, from Webster avenue to Elliott avenue, in the Borough of The Bronx, which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held November 22, 1911, the sale by sealed bids at the upset or minimum prices named in the description of each parcel of the above building and appurtenances thereto will be held by direction of the Comptroller on

WEDNESDAY, DECEMBER 20, 1911.

at 11 a. m., in lots and parcels and in manner and form and at upset prices as follows:

Parcel 3—Part of three story frame building and extension on the north side of Gun Hill road, about 175 feet east of the New York and Harlem Railroad tracks. Cut 8.9 feet on west side by 9.6 feet on east side by 34.4 feet. Also part of two and one-half story frame building, about 75 feet east of the first named. Cut 10.2 feet on west side by 10.1 feet on east side by 22.3 feet. Upset price, \$100.

Parcel 5—Part of one story frame building and steps on north side of Gun Hill road, about 75 feet west of the Bronx River. Cut 10.2 feet on west side by 9.7 feet on east side by 12 feet. Upset price, \$10.

Parcel 12—Part of one story frame saloon on the southeast corner of Gun Hill road and Station place. Cut 4 feet on west side by 9.8 feet on east side by 33 feet. Upset price, \$100.

Parcel 15—Part of two story frame building on the southwest corner of Gun Hill road and Bronx boulevard. Cut 8.8 feet on west side by 8.7 feet on east side by 20.5 feet. Upset price, \$100.

Parcel 18—Part of three story frame building on the south side of Gun Hill road, about 100 feet east of Bronx boulevard. Cut 10.1 feet on east and west sides by 25.2 feet. Upset price, \$100.

Sealed Bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 20th day of December, 1911, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 20, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 28, 1911. d4,20

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT OF the Borough of Queens, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of Queens.

Being all the buildings, parts of buildings, etc., standing within the lines of Central avenue, from the southwestern corner of Kossuth place to the eastern line of Olmstead place in the Borough of Queens, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held November 22, 1911, the sale by sealed bids at the upset or minimum prices named in the description of each parcel of the above described buildings and appurtenances thereto, will be held by direction of the Comptroller on

TUESDAY, DECEMBER 19, 1911.

at 11 a. m., in lots and parcels and in manner and form and at upset prices, as follows:

Parcel 29—One story frame shed (17 feet by 126 feet), and one story frame stable (18 feet by 46 feet), on the north side of Central avenue, between Freeman place and Kossuth place. Upset price, \$25.

Parcel 30—Two and one-half story frame house, 425 Kossuth place. Upset price, \$500.

Parcel 31—Rear part of two story concrete house, 427 Kossuth place. Cut 22.87 feet on west side by 44.80 feet on east side from front of lot. Upset price, \$50.

Parcel 32—Rear part of two story concrete house, 429 Kossuth place. Cut 12.6 feet on west side by 11.09 feet on rear end. Upset price, \$10.

Parcels 41 to 44—Two story frame stable, barn and shed. Also part of one story cement block plant, at Central avenue and Freeman place. Upset price, \$20.

Parcel 47—Two story frame house and shed at 25 Broad street. Upset price, \$200.

Parcel 91—Extension of two story brick house on northeast corner of Central avenue and Richmond avenue. Cut 4.88 feet on each end by 11.72 feet. Upset price, \$5.

Parcel 136—Corner of one story frame building on the northeast corner of Central avenue and Olmstead place. Upset price, \$5.

Sealed Bids (blank forms of which may be

obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 19th day of December, 1911, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 19, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 28, 1911. d2,19

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT OF the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids, certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of The Bronx.

Being all the buildings, parts of buildings, etc., standing within the lines of Pleasant avenue, from Gun Hill Road to East 219th street, in the Borough of The Bronx, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held November 22, 1911, the sale by sealed bids, at the upset or minimum prices named in the description of each parcel of the above described buildings and appurtenances thereto, will be held by direction of the Comptroller on

MONDAY, DECEMBER 18, 1911.

at 11 a. m., in lots and parcels and in manner and form and at upset prices as follows:

Parcel 10—Fence on the west side of Pleasant avenue, 150 feet south of East 213th street. Upset price, \$2.

Parcel 12—Fence on the west side of Pleasant avenue, 50 feet south of East 213th street. Upset price, \$5.

Parcel 14—Fence and part of steps on the northwest corner of Pleasant avenue and East 213th street. Upset price, \$10.

Parcel 15—Fence and part of steps north of and adjoining Parcel 14. Upset price, \$4.

Parcel 16—Fence north of and adjoining Parcel 15. Upset price, \$3.

Parcel 17—Fence and part of steps north of and adjoining Parcel 16. Upset price, \$4.

Parcel 18—Fence north of and adjoining Parcel 17. Upset price, \$4.

Parcel 19—Fence north of and adjoining Parcel 18. Upset price, \$12.

Parcel 20—Fence north of and adjoining Parcel 19. Upset price, \$10.

Parcel 21—Fence and steps north of and adjoining Parcel 20. Upset price, \$12.

Parcel 22—Fence and steps north of and adjoining Parcel 21. Upset price, \$6.

Parcel 23—Fence north of and adjoining Parcel 22. Upset price, \$2.

Parcel 24—Fence and part of porch and steps north of and adjoining Parcel 23. Upset price, \$15.

Parcel 25—Fence and part of porch and steps north of and adjoining Parcel 24. Upset price, \$15.

Parcel 26—Fence and part of porch north of and adjoining Parcel 25. Upset price, \$12.

Parcel 27—Iron fence north of and adjoining Parcel 26. Upset price, \$5.

Parcel 28—Fence north of and adjoining Parcel 27. Upset price, \$3.

Parcel 29—Fence north of and adjoining Parcel 28. Upset price, \$2.

Parcel 30—Fence north of and adjoining Parcel 29. Upset price, \$2.

Parcel 31—Fence on the southwest corner of Pleasant avenue and East 216th street. Upset price, \$5.

Parcel 33—Fence on the northwest corner of Pleasant avenue and East 216th street. Upset price, \$10.

Parcel 34—Fence north of and adjoining Parcel 33. Upset price, \$5.

Parcel 35—Fence north of and adjoining Parcel 34. Upset price, \$5.

Parcel 36—Fence north of and adjoining Parcel 35. Upset price, \$5.

Parcel 37—Fence north of and adjoining Parcel 36. Upset price, \$5.

Parcel 38—Fence and part of steps north of and adjoining Parcel 37. Upset price, \$5.

Parcel 39—Fence north of and adjoining Parcel 38. Upset price, \$6.

Parcel 40—Part of steps north of and adjoining Parcel 39. Upset price, \$8.

Parcel 41—Part of steps north of and adjoining Parcel 40. Upset price, \$8.

Parcel 42—Part of steps north of and adjoining Parcel 41. Upset price, \$8.

Parcel 43—Part of steps north of and adjoining Parcel 42. Upset price, \$8.

Parcel 44—Fence north of and adjoining Parcel 43. Upset price, \$10.

Parcel 45—Part of steps of three houses north of and adjoining Parcel 44. Upset price, \$24.

Parcel 48—Fence on the northeast corner of Pleasant avenue and Gun Hill road. Upset price, \$1.

Parcel 49—Fence on the east side of Pleasant avenue, north of and adjoining Parcel 48. Upset price, \$3.

Parcel 50—Fence north of and adjoining Parcel 49. Upset price, \$3.

Parcel 51—Fence north of and adjoining Parcel 50. Upset price, \$1.

Parcel 52—Fence north of and adjoining Parcel 51. Upset price, \$1.

Parcel 53—Fence north of and adjoining Parcel 52. Upset price, \$2.

Parcel 54—Fence north of and adjoining Parcel 53. Upset price, \$2.

Parcel 55—Fence north of and adjoining Parcel 54. Upset price, \$1.

Parcel 57—Fence on the southeast corner of Pleasant avenue and East 213th street. Upset price, \$3.

Parcel 60—Fence on the east side of Pleasant avenue, 100 feet north of East 213th street. Upset price, \$4.

Parcel 61—Fence north of and adjoining Parcel 60. Upset price, \$4.

Parcel 62—Fence north of and adjoining Parcel 61. Upset price, \$4.

Parcel 63—Fence north of and adjoining Parcel 62. Upset price, \$4.

Parcel 64—Fence north of and adjoining Parcel 63. Upset price, \$4.

Parcel 65—Fence and part of steps north of and adjoining Parcel 64. Upset price, \$5.

Parcel 66—Wall and fence north of and adjoining Parcel 65. Upset price, \$5.

Parcel 67—Wall north of and adjoining Parcel 66. Upset price, \$5.

Parcel 68—Wall north of and adjoining Parcel 67. Upset price, \$5.

Parcel 69—Wall and part of steps north of and adjoining Parcel 68. Upset price, \$5.

Parcel 70—Fence north of and adjoining Parcel 69. Upset price, \$10.

Parcel 71—Fence north of and adjoining Parcel 70. Upset price, \$4.

Parcel 72—Wall and fence north of and adjoining Parcel 71. Upset price, \$5.

Parcel 73—Wall and fence north of and adjoining Parcel 72. Upset price, \$8.

Parcel 76—Fence on the northeast corner of Pleasant avenue and East 216th street. Upset price, \$6.

Parcel 77—Fence and part of steps north of and adjoining Parcel 76. Upset price, \$4.

Parcel 78—Fence and part of steps north of and adjoining Parcel 77. Upset price, \$5.

Parcel 79—Fence and part of steps north of and adjoining Parcel 78. Upset price, \$4.

Parcel 81—Fence 50 feet north of Parcel 79. Upset price, \$10.

Parcel 82—Fence north of and adjoining Parcel 81. Upset price, \$7.

Parcel 83—Fence north of and adjoining Parcel 82. Upset price, \$7.

Parcel 84—Fence north of and adjoining Parcel 83. Upset price, \$2.

Parcel 85—Fence north of and adjoining Parcel 84. Upset price, \$2.

Parcel 86—Fence north of and adjoining Parcel 85. Upset price, \$2.

Parcel 88—Fence 50 feet north of Parcel 86. Upset price, \$3.

Parcel 89—Fence north of and adjoining Parcel 88. Upset price, \$3.

Parcel 90—Fence north of and adjoining Parcel 89. Upset price, \$3.

Parcel 91—Fence north of and adjoining Parcel 90. Upset price, \$8.

Parcel 92—Fence north of and adjoining Parcel 91. Upset price, \$3.

Parcel 93—Two story frame house about 125 feet south of East 219th street. Upset price, \$350.

Parcel 94—Fence north of and adjoining Parcel 92. Upset price, \$2.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 18th day of December, 1911, and then publicly opened for the sale for removal of the above described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 18, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 28, 1911. d1,18

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT OF the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes, in the

Borough of The Bronx.

Being the buildings, parts of buildings, etc., standing within the lines of Burke street (Morris street), from White Plains road to Bronx boulevard, in the Borough of The Bronx, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held November 22, 1911, the sale by sealed bids at the upset or minimum prices named in the description of each parcel of the above buildings and appurtenances thereto, will be held by direction of the Comptroller on

SATURDAY, DECEMBER 16, 1911.

at 11 a. m., in lots and parcels and in manner and form and at upset prices, as follows:

Parcel 1—Part of two and one-half story frame house on the southwest corner of Burke street

and Barker avenue. Cut 1.3 feet on front and rear. Upset price, \$25.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 16th day of December, 1911, and then publicly opened for the sale for removal of the above described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 16, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 25, 1911. n29,d16

CORPORATION SALE BY SEALED BIDS OF THE LEASE OF CERTAIN REAL ESTATE AND APPURTENANCES THERETO.

UPON THE AUTHORIZATION OF THE Commissioners of the Sinking Fund, and pursuant to a resolution adopted by them at a meeting held November 22, 1911, the Comptroller of The City of New York will sell by sealed bids on

FRIDAY, DECEMBER 15, 1911.

at 11 a. m., in Room K, 280 Broadway, Borough of Manhattan, the lease for a period of five years commencing January 1, 1912, of the premises belonging to the Corporation of The City of New York, situated on the northwesterly corner of Delancey and Attorney sts., plot 25 feet by 100 feet, with the improvements thereon, known as 178 Delancey st., in the Borough of Manhattan.

The Comptroller will receive sealed bids for the lease of the said parcel of land and the improvements thereon, for the said period, at the minimum or upset price of \$3,100 per annum, payable quarterly in advance, and the said sale will be made upon the following

TERMS AND CONDITIONS:

Each bid must be accompanied by cash or certified check for twenty-five per cent. of the amount of the yearly rental offered; the amount so paid for one quarter's rent shall be forfeited if the successful bidder does not execute the lease, when notified that it is ready for execution.

Parcel No. 1—Four story and basement brick building, 230 West 20th st., Old Eighteenth Precinct Station House.

Parcel No. 2—Three story and basement brick building, 232 West 20th st., and four story brick rear building.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 14th day of December, 1911, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 14, 1911," and must be delivered or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 22, 1911. n27,d14

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT OF THE Borough of Manhattan, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of Manhattan.

Being all the buildings, parts of buildings, etc., standing within the lines of Bennett avenue, from West 181st street to the westerly side of Broadway, opposite Nagle avenue, in the Borough of Manhattan, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held November 22, 1911, the sale by sealed bids, at the upset or minimum prices named in the description of each parcel of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

WEDNESDAY, DECEMBER 13, 1911,

at 11 a. m., in lots and parcels and in manner and form and at upset prices as follows:

Parcel No. 1—Part of one and one-half story frame house on the northwest corner of Bennett avenue and Broadway. Cut 7.2 feet on front by 8.3 feet on rear by 28.5 feet. Upset price, \$20.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 13th day of December, 1911, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 13, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 22, 1911. n25,d13

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT OF THE Borough of The Bronx, public notice is hereby given that the Commissioners of the

Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes, in the

Borough of The Bronx.

Being certain buildings, parts of buildings, etc., standing within the lines of Bronx boulevard, from the northerly line of Gun Hill road to Burke avenue, in the Borough of The Bronx, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held November 22, 1911, the sale, by sealed bids, at the upset or minimum prices named in the description of each parcel of the above-described buildings and appurtenances thereto, will be held by direction of the Comptroller on

TUESDAY, DECEMBER 12, 1911,

at 11 a. m., in lots and parcels and in manner and form and at upset prices as follows:

Parcel 40—Part of two story frame house on the west side of Bronx boulevard, about 240 feet north of Burke avenue. Cut 5.6 feet on north side by 5.5 feet on south side by 20.1 feet. Upset price, \$100.

Parcel 42—Part of two and one-half story frame house on the west side of Bronx boulevard, about 80 feet north of Parcel 40. Cut 4.3 feet on north side by 5.6 feet on south side by 18.2 feet. Upset price, \$100.

Parcel 58—Part of two and one-half story frame house and part of one story frame stable on the west side of Bronx boulevard, about 225 feet south of Julianna street. Cut house 7.4 feet on north side by 7.3 feet on south side by 22.2 feet. Cut stable 26 feet on north and south sides by 12.3 feet. Upset price, \$150.

Parcel 62—Part of two story frame building on the northwest corner of Bronx boulevard and Julianna street. Cut 27.2 feet on north side by 26.8 feet on south side by 23.5 feet. Upset price, \$50.

Parcel 65—Part of two story frame house on the east side of Bronx boulevard, about 75 feet north of Burke avenue. Cut 11.8 feet on north side by 11.5 feet on south side by 20.1 feet. Upset price, \$100.

Parcel 66—Part of two story frame house on the east side of Bronx boulevard, north of and adjoining Parcel 65. Cut 11.5 feet on south side by 11.2 feet on north side by 20.1 feet. Upset price, \$100.

Parcel 67—Part of two story frame house on the east side of Bronx boulevard, north of and adjoining Parcel 66. Cut 11.2 feet on south side by 11.1 feet on north side by 20.1 feet. Upset price, \$100.

Parcel 68—Part of two story frame house on the east side of Bronx boulevard, north of and adjoining Parcel 67. Cut 11.1 feet on south side by 11 feet on north side by 20.1 feet. Upset price, \$100.

Parcel 70—Part of one and one-half story frame house on the east side of Bronx boulevard, about 200 feet north of Parcel 68. Cut 11.2 feet on south side by 11 feet on north side by 23.8 feet. Also well house. Upset price, \$25.

Parcel 80—Part of two story frame house on the northeast corner of Bronx boulevard and Julianna street. Cut 9.3 feet on front by 4 feet on rear extension by 40.3 feet. Upset price, \$125.

Parcel 81—Part of two story frame house, with extensions and outhouse, within the lines of Bronx boulevard, near the Bronx River. Cut 8.4 feet on southwest side by corner of rear steps. Upset price, \$100.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, 280 Broadway, Borough of Manhattan, until 11 a. m., on the 12th day of December, 1911, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of \$50 will be required with all bids, and that a deposit of \$500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 12, 1911," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date, to the "Collector of City Revenue, Room K, 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 22, 1911. n24,d12

Notices to Property Owners.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF MANHATTAN:

NINETEENTH WARD, SECTION 5. SEVENTY-FIFTH STREET—ALTERATION AND IMPROVEMENT TO SEWER, between Park and 5th aves. Area of assessment: Affects Blocks Nos. 1389 and 1390.

TWELFTH WARD, SECTION 8. WEST TWO HUNDRED AND SIXTEENTH STREET—PAVING, CURBING AND RECURBING, from Broadway to a point 432 feet east of 9th ave. Area of assessment: Both sides of 216th st., from Broadway to a point 432 feet east of 9th ave., and to the extent of half the block at the intersecting streets.

—that the same were confirmed by the Board of Assessors on December 15, 1911, and entered December 15, 1911, in the Record of Title of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and

Assessments and of Water Rents, and 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 1019 of said Greater New York Charter.

Said section provides, in part, 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 to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room H, 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 3, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, December 5, 1911. d9,20

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF RICHMOND:

FIRST WARD.

ELEVENTH STREET—CONSTRUCTING A TEMPORARY SANITARY SEWER, from York ave. to a point about 280 feet westerly therefrom. Area of assessment affects Blocks Nos. 2 and 3.

DE KAY STREET—CONSTRUCTING SANITARY SEWER, between Davis ave. and Bard ave. Area of assessment affects Blocks 11, 12, 13 and 14.

REGULATING AND GRADING A NEW STREET, which is the extension of CASTLETON AVENUE, from Columbia st. to Jewett ave.; also building a bridge, etc., across PALMERS RUN. Area of assessment is bounded by Taylor st., Post ave., Richmond ave., Vreeland st., Cottage place, New st. and Cedar st. up to Taylor st.

FOURTH WARD.

HOPE AVENUE—CONSTRUCTING A TEMPORARY COMBINED SEWER, from New York ave. to the Staten Island Rapid Transit Railroad tracks. Sewerage District No. 6-D. Area of assessment affects Plot 7.

—the above entitled assessments were confirmed by the Board of Assessors on December 5, 1911, and entered December 5, 1911, in the Record of Titles and Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and 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 1006 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, at Borough Hall, St. George, Borough of Richmond, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 3, 1912, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, December 5, 1911. d9,20

NOTICE OF ASSESSMENTS FOR LOCAL IMPROVEMENTS IN THE BOROUGH OF BROOKLYN, CITY OF NEW YORK.

NOTICE IS HEREBY GIVEN THAT THE assessment roll in the following entitled matter has been completed and will be due and payable on the 16th inst., and that the authority for the collection of the same has been delivered to the Collector of Assessments and Arrears, and all persons liable to pay such assessment are required to pay the same without delay at his office in the Mechanics' Bank Building, Court and Montague sts., in the Borough of Brooklyn: Assessment for benefit from PROSPECT PARK (for lands taken) under chapter 244, Laws of 1878, thirty-fourth installment.

Extract from the Law. Chapter 583, Laws of 1888, title 7, section 10, as amended by chapter 888, Laws of 1895; chapter 775, Laws of 1896, and section 937, chapter 378, Laws of 1897, and chapter 466 of the Laws of 1901 amendatory thereof.

On all * * * assessments which shall be paid to the Collector of Assessments and Arrears before the expiration of thirty days from the time the same shall become due and payable, an allowance shall be made to the person or persons making such payments at the rate of seven and three-tenths per centum per annum for the unexpired portion thereof. On all * * * assessments * * * paid after the expiration of thirty days from the time the same shall have become due and payable there shall be added to and collected as part of every such assessment * * * interest at the rate of nine per cent. per annum, to be computed from the time the same became due and payable to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, December 2, 1911. d6,16

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF BROOKLYN:

TWENTY-FOURTH WARD, SECTION 5. CARROLL STREET—REGULATING, GRADING, CURBING AND FLAGGING, between Bedford and Rogers avenues. Area of assessment: Both sides of Carroll street, between Bedford and Rogers avenues, and to the extent of half the block at the intersecting avenues.

TWENTY-FOURTH AND TWENTY-NINTH WARDS, SECTIONS 5 AND 16.

OPENING, EXTENDING, LAYING OUT AND IMPROVING BEDFORD AVENUE, from Eastern parkway to Flatbush ave., pursuant to the provisions of chapter 764, Laws of 1900, as amended by chapter 590, Laws of 1901, and by chapter 498, Laws of 1903.

—that the area of assessment for this improvement as fixed by the Commissioners of Estimate and Assessment appointed by the Supreme Court on September 13, 1901, includes all those lands, tenements, hereditaments and premises situated, lying and being, and which, taken together, are bounded and described as follows: Beginning at a point on the southerly side of Eastern parkway, distant 250 feet easterly of the easterly side of Bedford ave.; running thence southerly and parallel with Bedford ave. to the northerly side of Flatbush ave.; running thence northwesterly along the northerly side of Flatbush ave. to a point where a line drawn parallel with Bedford ave. and distant 250 feet westerly therefrom would intersect the same; running thence northerly and parallel with Bedford ave. to the southerly side of Eastern parkway at a point 250 feet westerly of Bedford ave.; running thence easterly along the southerly side of Eastern parkway to the point or place of beginning.

The Board of Assessors of The City of New York has levied and assessed this assessment in twenty annual installments.

The "Third Installment" in each case is now due and payable, and hereafter for seventeen years an amount equal to one of the aforesaid installments shall be assessed upon the lots or parcels of land benefited by said improvement. This assessment was confirmed by the Board of Revision of Assessments on December 2, 1909, and entered December 2, 1909, and the Third Installment entered on December 2, 1911, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents.

Unless the amount of the second installment in each case shall be paid within sixty days after the said date of entry interest shall be charged, collected and received thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, "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 at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The owner of any parcel of land assessed for the foregoing assessment may, at any time after the first installment becomes due and payable, pay all the installments not levied of said assessment, and the same will be thereupon canceled.

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Mechanics Bank Building, Court and Montague sts., Borough of Brooklyn, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before January 31, 1912, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when such assessment became a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, December 2, 1911. d6,16

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessment for LOCAL IMPROVEMENTS IN THE BOROUGH OF QUEENS:

FIRST WARD.

WOOLSEY AVENUE—REGULATING, GRADING, CURBING, LAYING SIDEWALKS AND CROSSWALKS, from Hallett street to Second avenue. Area of assessment: Both sides of Woolsey avenue, from Hallett street to Second avenue, and to the extent of half the block at the intersecting streets.

—the above-entitled assessment was confirmed by the Board of Assessors on November 28, 1911, and entered November 28, 1911, in the Record of Titles of Assessments kept in the Bureau for the Collection of Arrears of Taxes and Assessments and of Water Rents, and 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 1019 of said Greater New York Charter.

Said section provides, in part, 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 to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, at the Municipal Building, Court House Square, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before January 27, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when the above assessment became a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 28, 1911. d2,13

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF BROOKLYN:

TWENTY-FOURTH WARD, SECTION 5. CARROLL STREET—REGULATING, GRADING, CURBING AND FLAGGING, between Bedford and Rogers avenues. Area of assessment: Both sides of Carroll street, between Bedford and Rogers avenues, and to the extent of half the block at the intersecting avenues.

TWENTY-EIGHTH WARD, SECTION 11.
ELBERT STREET—PAVING, between Knickerbocker avenue and the Queens County line. Area of assessment: Both sides of Elbert street, from Knickerbocker avenue to the Queens County line, and to the extent of half the block at the intersecting streets.

TWENTY-NINTH WARD, SECTION 5.
MALBONE STREET—REGULATING TO A WIDTH OF 50 feet on each side of centre line, CURBING AND FLAGGING, between the Bridge over the Brighton Beach Railroad and Nostrand avenue. Area of assessment: Both sides of Malbone street, from the Brighton Beach Railroad to Nostrand avenue, and to the extent of half the block at the intersecting streets.

TWENTY-NINTH WARD, SECTION 16.
EAST FIFTH STREET—PAVING, from a point about 300 feet north of Avenue F to Ditmas avenue. Area of assessment: Both sides of East 5th street, from a point about 300 feet north of Avenue F to Ditmas avenue, and to the extent of half the block at the intersecting streets.

LAWRENCE AVENUE—REGULATING, GRADING, CURBING AND FLAGGING, from Gravesend avenue to the Ocean parkway, and on NEWKIRK AVENUE, from Ocean parkway to Ocean parkway, and both sides of Newkirk avenue, from Ocean parkway to First street, and to the extent of half the block at the intersecting streets.

THIRTY-SECOND WARD, SECTION 23.
EAST FORTIETH STREET—REGULATING AND GRADING, between Hubbard place and Flatlands avenue. Area of assessment: Both sides of East 40th street, from Hubbard place to Flatlands avenue, and to the extent of half the block at the intersecting and terminating streets. —that the same were confirmed by the Board of Assessors on November 28, 1911, and entered November 28, 1911, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and 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 by section 1019 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides: "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Mechanics Bank Building, Court and Montague streets, Borough of Brooklyn, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before January 23, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when such assessments became liens to the date of payment.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 28, 1911. d2,13

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF RICHMOND:

SECOND WARD.
BAY STREET—CONSTRUCTING CURBS AND GUTTERS, from Wave street to Elizabeth street. Area of assessment: North side of Wave street, between Bay street and the Staten Island Rapid Transit Railroad, and east side of Bay street about 20 feet north of Wave street. —the above entitled assessment was confirmed by the Board of Revision of Assessments on November 24, 1911, and entered November 24, 1911, in the Record of Titles and Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, at Borough Hall, St. George, Borough of Richmond, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before January 23, 1912, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when the above assessment became a lien to the date of payment.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 24, 1911. n28,d9

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF BROOKLYN:

TWENTY-SIXTH WARD, SECTION 12.
LIVONIA AVENUE—REGULATING, GRADING, CURBING AND FLAGGING, between Barrett street and Hopkinson avenue. Area of assessment: Both sides of Livonia avenue, from Barrett street to Hopkinson avenue, and to the extent of half the block at the intersecting streets.

POWELL STREET—REGULATING, GRADING, CURBING AND FLAGGING, between Dumont and Livonia avenues. Area of assessment: Both sides of Powell street, from Dumont to Livonia avenues, and to the extent of half the block at the intersecting streets.

TWENTY-EIGHTH WARD, SECTION 11.
PUTNAM AVENUE—REGULATING, GRADING, CURBING AND FLAGGING, from Knickerbocker avenue to the Queens County Line. Area of assessment: Both sides of Putnam avenue, from Knickerbocker avenue to the Queens County line, and to the extent of half the block at the intersecting and terminating streets.

PUTNAM AVENUE—PAVING, between Knickerbocker avenue and the Queens County Line. Area of assessment: Both sides of Putnam avenue, from Knickerbocker avenue to the Queens County line and to the extent of half the block at the intersecting and terminating streets.

THIRTY-SECOND WARD, SECTIONS 16, 20 AND 23.
OCEAN AVENUE—PAVING, from a point about 180 feet more or less north of Avenue F to Avenue H, and from Avenue I to Kings Highway. Area of assessment: Both sides of Ocean avenue, from Avenue F to Avenue H and from Avenue I to Kings Highway, and to the extent of half the block at the intersecting streets.

OCEAN AVENUE—REGULATING, GRADING, SETTING CURB, LAYING CEMENT SIDEWALKS, FLAGGING AND PARKING, from a point about 180 feet north of Avenue G to Avenue H and from Avenue I to Kings Highway. Area of assessment: Both sides of Ocean avenue, from 180 feet north of Avenue G to Avenue H, and from Avenue I to Kings Highway, and to the extent of half the block at the intersecting streets.

—that the same were confirmed by the Board of Revision of Assessments on November 24, 1911, and entered November 24, 1911, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and 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 by section 1019 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides: "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Mechanics Bank Building, Court and Montague streets, Borough of Brooklyn, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before January 23, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when such assessments became liens to the date of payment.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, November 24, 1911. n28,d9

BOROUGH OF QUEENS.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, 5TH ST. AND JACKSON AVE., LONG ISLAND CITY, BOROUGH OF QUEENS, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at the above office until 11 a. m., on

WEDNESDAY, DECEMBER 20, 1911.

1. TO CONSTRUCT SEWER AND APPURTENANCES IN VAN ALST AVE., FROM DITMAS AVE. TO HOYT AVE., FIRST WARD.

The Engineer's estimate of the quantities is as follows:
 5,334 linear feet 12-inch vitrified salt glazed pipe sewer.
 540 linear feet 6-inch vitrified salt glazed sewer pipe for house connections.
 38 manholes, complete.
 50 cubic yards rock, excavated and removed.
 5,000 feet B. M., timber, bracing and sheet piling.

The time allowed for completing the above work will be ninety (90) working days.

The amount of security required will be Five Thousand Dollars (\$5,000).

2. TO CONSTRUCT SEWER AND APPURTENANCES IN WOODWARD AVENUE, FROM TROUTMAN ST. TO STANHOPE ST., AND IN STARR STREET, FROM WOODWARD AVE. TO ONDERDONK AVE., SECOND WARD.

The Engineer's estimate of the quantities is as follows:
 1,657 linear feet 12-inch vitrified salt glazed pipe sewer.
 518 linear feet 15-inch vitrified salt glazed pipe sewer.
 90 linear feet 12-inch vitrified salt glazed culvert pipe.
 20 linear feet 10-inch vitrified salt glazed culvert pipe.

1,400 linear feet 6-inch vitrified salt glazed sewer pipe for house connections.
 1 drop manhole, complete.
 16 manholes, complete.
 5 receiving basins, complete.

The time allowed for completing the above work will be sixty (60) working days.

The amount of security required will be Three Thousand Dollars (\$3,000).

3. TO CONSTRUCT SEWER AND APPURTENANCES IN TROUTMAN STREET, FROM THE BROOKLYN BOROUGH LINE TO METROPOLITAN AVE., AND IN METROPOLITAN AVENUE, FROM TROUTMAN ST. TO STARR ST., SECOND WARD.

The Engineer's estimate of the quantities is as follows:
 335 linear feet 3-foot concrete sewer.
 1,458 linear feet 5-foot 6-inch reinforced concrete sewer.
 60 linear feet 12-inch vitrified salt glazed culvert pipe.

20 linear feet 10-inch vitrified salt glazed culvert pipe.
 600 linear feet 6-inch vitrified salt glazed sewer pipe for house connections.
 9 manholes, complete.
 2 receiving basins, complete.
 1 double receiving basin, complete.
 1 cleaning shaft.
 1 junction chamber, complete.

2,000 feet, B. M., timber for foundation.
 25,000 feet, B. M., timber for bracing and sheet piling.

The time allowed for completing the above work will be one hundred and twenty (120) working days.

The amount of security required will be Nine Thousand Dollars (\$9,000).

4. TO CONSTRUCT SEWER AND APPURTENANCES IN FLUSHING AVENUE, FROM METROPOLITAN AVE. TO CASPIAN (ATLANTIC) ST., SECOND WARD.

The Engineer's estimate of the quantities is as follows:
 275 linear feet 2-foot 6-inch concrete sewer.
 250 linear feet 3-foot concrete sewer.
 253 linear feet 3-foot 6-inch concrete sewer.
 850 linear feet 4-foot concrete sewer.
 1,500 linear feet 6-inch vitrified salt glazed sewer pipe for house connections.
 12 manholes, complete.

5 cubic yards concrete, in place, not shown on plan.
 5,000 feet, B. M., timber for foundation.
 50,000 feet, B. M., timber for bracing and sheet piling.

The time allowed for completing the above work will be one hundred and twenty (120) working days.

The amount of security required will be Six Thousand Dollars (\$6,000).

5. TO CONSTRUCT SEWER AND APPURTENANCES IN HOWLAND STREET, FROM HOYT AVE. TO WOOLSEY AVE., FIRST WARD.

The Engineer's estimate of the quantities is as follows:
 935 linear feet 12-inch vitrified salt glazed pipe sewer.
 900 linear feet 6-inch vitrified salt glazed sewer pipe for house connections.
 6 manholes, complete.
 500 pounds steel for reinforcement.
 80 cubic yards concrete in place.
 5,000 feet, B. M., timber for foundation.

The time allowed for completing the above work will be thirty (30) working days.

The amount of security required will be Fifteen Hundred Dollars (\$1,500).

6. TO CONSTRUCT RECEIVING BASINS AND APPURTENANCES ON WEBSTER AVENUE: ON THE NORTHWEST CORNER OF HANCOCK ST., ON THE NORTHEAST AND NORTHWEST CORNERS OF THE BOULEVARD, ON THE NORTHWEST, NORTHEAST, SOUTHEAST AND SOUTHWEST CORNERS OF MARION ST., ON THE NORTHWEST, NORTHEAST AND SOUTHWEST CORNERS OF VAN ALST AVE., ON THE SOUTHEAST CORNER OF SUNSWICK ST., AND ON THE SOUTHEAST CORNER OF ELY AVE., FIRST WARD.

150 linear feet 12-inch vitrified salt glazed culvert pipe.
 12 receiving basins, complete.
 75 cubic yards rock excavation and removed.
 20 cubic yards concrete in place.
 2,000 feet, B. M., timber for foundation.

The time allowed for completing the above work will be twenty (20) working days.

The amount of security required will be One Thousand Dollars (\$1,000).

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

275 linear feet 2-foot 6-inch concrete sewer.
 250 linear feet 3-foot concrete sewer.
 253 linear feet 3-foot 6-inch concrete sewer.
 850 linear feet 4-foot concrete sewer.
 1,500 linear feet 6-inch vitrified salt glazed sewer pipe for house connections.
 12 manholes, complete.

5 cubic yards concrete, in place, not shown on plan.
 5,000 feet, B. M., timber for foundation.
 50,000 feet, B. M., timber for bracing and sheet piling.

The time allowed for completing the above work will be one hundred and twenty (120) working days.

The amount of security required will be Six Thousand Dollars (\$6,000).

7. FOR CONSTRUCTING RECEIVING BASINS AND APPURTENANCES ON GRAHAM AVENUE AS FOLLOWS: ON THE NORTHERLY AND EASTERLY CORNERS OF 4TH AVE., THE WESTERLY CORNER OF 5TH AVE., AND THE WESTERLY AND SOUTHERLY CORNERS OF 7TH AVE., FIRST WARD.

The Engineer's estimate of the quantities is as follows:
 100 linear feet 12-inch vitrified salt glazed culvert pipe.
 5 receiving basins, complete.

The time allowed for completing the above work will be fifteen (15) working days.

The amount of security required will be Four Hundred Dollars (\$400).

8. FOR CONSTRUCTING RECEIVING BASINS AND APPURTENANCES ON THE NORTHERLY AND EASTERLY CORNERS OF 15TH AVE. AND GRAHAM AVE., FIRST WARD.

50 linear feet 12-inch vitrified salt glazed culvert pipe.
 2 receiving basins, complete.

The time allowed for completing the above work will be ten (10) working days.

The amount of security required will be One Hundred and Fifty Dollars (\$150).

The bidder must state the price of each item or article contained in the specifications or schedule herein contained, or hereafter annexed, per square yard, per linear foot, or other unit of measure by which the bids will be tested. The extension must be made and footed up, as the bids will be read from a total. Bids will be compared and the contract awarded at a lump or aggregate sum. Blank forms may be obtained and the plans or drawings may be seen at the office of the President of the Borough of Queens.

Dated Long Island City, December 9, 1911.

MAURICE E. CONNOLLY, President of the Borough of Queens. d8,20

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, 5TH ST. AND JACKSON AVE., LONG ISLAND CITY, BOROUGH OF QUEENS, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at the above office until 11 o'clock a. m., on

MONDAY, DECEMBER 18, 1911.

1. FOR FURNISHING AND DELIVERING ONE THOUSAND THREE HUNDRED GROSS TONS ANTHRACITE COAL TO THE COUNTY AND BOROUGH BUILDINGS IN THE BOROUGH OF QUEENS, TO BE DELIVERED AT SUCH TIMES AND IN SUCH QUANTITIES AS MAY BE DIRECTED DURING THE YEAR 1912.

The amount of security required will be Two Thousand Five Hundred Dollars (\$2,500).

2. FOR FURNISHING AND DELIVERING EIGHT HUNDRED GROSS TONS BITUMINOUS COAL TO THE FAR ROCKAWAY DISPOSAL PLANT, FIFTH WARD, TO BE DELIVERED AT SUCH TIMES AND IN SUCH QUANTITIES AS MAY BE DIRECTED DURING THE YEAR 1912.

The amount of security required will be One Thousand Five Hundred Dollars (\$1,500).

3. FOR FURNISHING AND DELIVERING THREE HUNDRED AND FIFTY GROSS TONS PEA COAL TO THE NEWTOWN DISPOSAL PLANT, SECOND WARD, TO BE DELIVERED AT SUCH TIMES AND IN SUCH QUANTITIES AS MAY BE DIRECTED DURING THE YEAR 1912.

The amount of security required will be Seven Hundred and Fifty Dollars (\$750).

The bidder must state the price of each item or article contained in the specifications or schedule herein contained, or hereafter annexed, per square yard, linear foot, or other unit of measure by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from a total. Bids will be compared and the contract awarded at a lump or aggregate sum. Blank forms may be obtained at the office of the President of the Borough of Queens.

Dated Long Island City, N. Y., December 4, 1911.

MAURICE E. CONNOLLY, President of the Borough of Queens. d6,18

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, 5TH ST. AND JACKSON AVE., LONG ISLAND CITY, BOROUGH OF QUEENS, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at the above office until 11 o'clock a. m., on

WEDNESDAY, DECEMBER 13, 1911.

FOR SUPPLYING PRINTED, LITHOGRAPHED OR STAMPED FORMS, PAMPHLETS, PRINTED BLANKS AND STATIONERY, INCLUDING LETTER AND WRITING PAPER AND ENVELOPES, WITH PRINTED HEADINGS OR INDORSEMENTS, ETC., FOR THE USE OF THE COURTS AND THE DEPARTMENTS AND BUREAUS OF THE GOVERNMENT OF THE CITY OF NEW YORK DURING THE YEAR 1912.

The delivery shall be fully and entirely performed within 180 calendar days after the execution of the contract. The amount of security shall be twenty-five per cent. of the amount of the bid.

The bidder must state the price for each item and the total price of each schedule. The bids will be tested and the award will be made to the bidder whose bid is the lowest for each schedule. Bidders will write out the total amount of their estimates, in addition to inserting the same in figures.

Delivery will be required to be made at the Distributing Division of the City Record, 96 and 98 Reade st., from time to time and in such quantities as may be directed by the Supervisor of the City Record.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Board of City Record, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the City Record, where further information can be obtained.

WILLIAM J. GAYNOR, Mayor; ARCHIBALD R. WATSON, Corporation Counsel; WILLIAM A. PRENDERGAST, Comptroller; Board of City Record.

New York, November 14, 1911. n14,d13

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, 5TH ST. AND JACKSON AVE., LONG ISLAND CITY, BOROUGH OF QUEENS, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at the above office until 11 o'clock a. m., on

WEDNESDAY, DECEMBER 13, 1911.

FOR SUPPLYING PRINTED, LITHOGRAPHED OR STAMPED FORMS, PAMPHLETS, PRINTED BLANKS AND STATIONERY, INCLUDING LETTER AND WRITING PAPER AND ENVELOPES, WITH PRINTED HEADINGS OR INDORSEMENTS, ETC., FOR THE USE OF THE COURTS AND THE DEPARTMENTS AND BUREAUS OF THE GOVERNMENT OF THE CITY OF NEW YORK DURING THE YEAR 1912.

The delivery shall be fully and entirely performed within 180 calendar days after the execution of the contract. The amount of security shall be twenty-five per cent. of the amount of the bid.

The bidder must state the price for each item and the total price of each schedule. The bids will be tested and the award will be made to the bidder whose bid is the lowest for each schedule. Bidders will write out the total amount of their estimates, in addition to inserting the same in figures.

Delivery will be required to be made at the Distributing Division of the City Record, 96 and 98 Reade st., from time to time and in such quantities as may be directed by the Supervisor of the City Record.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Board of City Record, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the City Record, where further information can be obtained.

WILLIAM J. GAYNOR, Mayor; ARCHIBALD R. WATSON, Corporation Counsel; WILLIAM A. PRENDERGAST, Comptroller; Board of City Record.

New York, November 14, 1911. n14,d13

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, 5TH ST. AND JACKSON AVE., LONG ISLAND CITY, BOROUGH OF QUEENS, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at the above office until 11 o'clock a. m., on

WEDNESDAY, DECEMBER 13, 1911.

FOR SUPPLYING PRINTED, LITHOGRAPHED OR STAMPED FORMS, PAMPHLETS, PRINTED BLANKS AND STATIONERY, INCLUDING LETTER AND WRITING PAPER AND ENVELOPES, WITH PRINTED HEADINGS OR INDORSEMENTS, ETC., FOR THE USE OF THE COURTS AND THE DEPARTMENTS AND BUREAUS OF THE GOVERNMENT OF THE CITY OF NEW YORK DURING THE YEAR 1912.

The delivery shall be fully and entirely performed within 180 calendar days after the execution of the contract. The amount of security shall be twenty-five per cent. of the amount of the bid.

The bidder must state the price for each item and the total price of each schedule. The bids will be tested and the award will be made to the bidder whose bid is the lowest for each schedule. Bidders will write out the total amount of their estimates, in addition to inserting the same in figures.

Delivery will be required to be made at the Distributing Division of the City Record, 96 and 98 Reade st., from time to time and in such quantities as may be directed by the Supervisor of the City Record.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Board of City Record, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the City Record, where further information can be obtained.

WILLIAM J. GAYNOR, Mayor; ARCHIBALD R. WATSON, Corporation Counsel; WILLIAM A. PRENDERGAST, Comptroller; Board of City Record.

New York, November 14, 1911. n14,d13

See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF CITY RECORD.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received at the office of the Supervisor of the City Record, Room 807, Park Row Building, 13 to 21 Park row, in The City of New York, until 11 o'clock a. m., on

WEDNESDAY, DECEMBER 20, 1911.

FOR SUPPLYING PRINTED, LITHOGRAPHED OR BLANK BOOKS, DOCKETS, LIBERS, BINDING COVERS, BINDING, ETC., FOR THE USE OF THE COURTS AND THE DEPARTMENTS AND BUREAUS OF THE GOVERNMENT OF THE CITY OF NEW YORK DURING THE YEAR 1912.

The time of delivery of the materials and supplies and the performance of the contract shall not be later than June 30, 1912. The Supervisor, however, may require delivery at an earlier date of any item or items on this contract by notice to the contractor, whereupon the item or items called for must be delivered not later than thirty days after said notice.

The amount of security shall be 25 per cent. (25%) of the amount of the bid.

The bidder must state the item price for each item and the total price of each Department, Bureau or Court schedule. The bids will be tested and the award made by the schedule.

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

The said Board reserves the right to reject all bids or estimates if it deems it to be for the interest of the City so to do.

Delivery will be required to be made at the Distributing Division of the City Record, at 96 and 98 Reade st., from time to time and in such quantities as may be directed by the Supervisor of the City Record.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work, reference must be made to the specifications, to be had at the office of the Supervisor and on file in the office of the Comptroller.

WILLIAM J. GAYNOR, Mayor; ARCHIBALD R. WATSON, Corporation Counsel; WM. A. PRENDERGAST, Comptroller, Board of City Record.

The City of New York, December 8, 1911. d20

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, 5TH ST. AND JACKSON AVE., LONG ISLAND CITY, BOROUGH OF QUEENS, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at the above office until 11 o'clock a. m., on

TUESDAY, DECEMBER 12, 1911.

DEPARTMENT OF BRIDGES.

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at the above office until 2 o'clock p. m., on

THURSDAY, DECEMBER 21, 1911.
FOR FURNISHING AND DELIVERING ANTHRACITE COAL TO THE BRIDGES OVER THE HARLEM RIVER DURING THE FIRST SIX MONTHS OF THE YEAR 1912. Delivery of the coal shall be made from time to time as required and completed within 180 calendar days after the receipt by the contractor of a written order to deliver the materials, from the Commissioner of Bridges.

The amount of security to guarantee the faithful performance of the work will be One Thousand Five Hundred Dollars (\$1,500). The right is reserved by the Commissioner to reject all the bids, should he deem it to the interest of the City so to do.

Blank forms and specifications may be obtained at the office of the Department of Bridges. ARTHUR J. O'KEEFE, Commissioner. Dated December 5, 1911. d5,15

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of four-story brick building 20 feet more or less by 75 feet more or less, known and designated as 167 South street, Borough of Manhattan, for a period of one year at an upset price of Eight Hundred and Twenty Dollars (\$820).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of four-story brick building 21 feet more or less by 75 feet more or less, known and designated as 168 South street, Borough of Manhattan, for a period of one year at an upset price of Nine Hundred and Twenty Dollars (\$920).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of four-story brick building 20 feet more or less by 71 feet more or less, known and designated as 170 South street, Borough of Manhattan, for a period of one year at an upset price of Nine Hundred and Seventy Dollars (\$970).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of four-story brick building 34 feet more or less by 71 feet more or less, known and designated as 171-172 South street, Borough of Manhattan, for a period of one year at an upset price of One Thousand Dollars (\$1,000).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of four-story brick building 21 feet more or less by 75 feet more or less, known and designated as 169 South street, Borough of Manhattan, for a period of one year at an upset price of Nine Hundred and Seventy Dollars (\$970).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of three-story brick building 22 feet more or less by 67 feet more or less, known and designated as 279 Front street, Borough of Manhattan, for a period of one year at an upset price of Eight Hundred Dollars (\$800).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of three-story brick building 23 feet more or less by 67 feet more or less, known

and designated as 275 Front street, Borough of Manhattan, for a period of one year at an upset price of Six Hundred Dollars (\$600).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of three-story brick building 22 feet more or less by 72 feet more or less, known and designated as 277 Front street, Borough of Manhattan, for a period of one year at an upset price of Six Hundred and Fifty Dollars (\$650).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of two-story brick building 25 feet more or less by 60 feet more or less by 70 feet more or less, known and designated as 276-278 Front street, Borough of Manhattan, for a period of one year at an upset price of Eight Hundred Dollars (\$800).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of three-story brick building 30 feet more or less by 72 feet more or less, known and designated as 272-274 Front street, Borough of Manhattan, for a period of one year at an upset price of Eight Hundred and Fifty Dollars (\$850).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of three-story brick building 34 feet more or less by 65 feet more or less, known and designated as 262-264 Front street, Borough of Manhattan, for a period of one year at an upset price of Nine Hundred Dollars (\$900).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of two-story brick building 23 feet more or less by 71 feet more or less, known and designated as 295 Water street, Borough of Manhattan, for a period of one year at an upset price of Eight Hundred Dollars (\$800).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of two and three-story brick buildings 59 feet more or less by 145 feet more or less, known and designated as 291-293 Water street and 266-270 Front street, Borough of Manhattan, for a period of one year at an upset price of Two Thousand Eight Hundred Dollars (\$2,800).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of two-story brick building 35 feet more or less by 80 feet more or less, known and designated as 285-287 Water street, Borough of Manhattan, for a period of one year at an upset price of One Thousand Dollars (\$1,000).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for a lease of two-story brick building 23 feet more

or less by 71 feet more or less, known and designated as 297 Water street, Borough of Manhattan, for a period of one year at an upset price of Eight Hundred Dollars (\$800).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for lease of Warehouse No. 1, Frankfort street, Borough of Manhattan, for a period of one year at an upset price of Two Thousand Dollars (\$2,000).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for lease of Warehouse No. 2, Frankfort street, Borough of Manhattan, for a period of one year at an upset price of One Thousand Eight Hundred Dollars (\$1,800).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

FRIDAY, DECEMBER 15, 1911.
for lease of bulkhead and property in rear of same, located at foot of 207th street under Manhattan approach to University Heights Bridge, for a period of one year at an upset price of One Thousand Two Hundred Dollars (\$1,200).

The terms and conditions are contained in the blank forms which may be obtained at the office of the Department of Bridges. The right is reserved by the Commissioner to reject all the bids should he deem it to the best interest of the City so to do.

ARTHUR J. O'KEEFE, Commissioner. Dated December 1, 1911. d5,15

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

THURSDAY, DECEMBER 14, 1911.
FOR FURNISHING AND ERECTING ONE DUPLEX, TWO-STAGE, MOTOR-DRIVEN AIR COMPRESSOR AT THE WILLIAMS-BURGH BRIDGE, IN THE BOROUGH OF BROOKLYN.

The contractor will be required to begin work within five days of the date of certification of the contract by the Comptroller of The City of New York, and will be required to complete the entire work to the satisfaction of the Commissioner and in accordance with the plans and specifications on or before the expiration of four calendar months from the date of said certification.

In case the contractor shall fail to complete the work within the time aforesaid, he shall pay to The City of New York the sum of ten dollars (\$10) for each and every calendar day the time consumed in said performance and completion may exceed the time allowed.

The amount of security to guarantee the faithful performance of the work will be Two Thousand Five Hundred Dollars (\$2,500).

The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

Blank forms and specifications may be obtained at the office of the Department of Bridges. ARTHUR J. O'KEEFE, Commissioner. Dated November 27, 1911. d2,14

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

THURSDAY, DECEMBER 14, 1911.
FOR CONSTRUCTING A TIMBER APPROACH TO WHARF AT THE UNIVERSITY HEIGHTS BRIDGE OVER THE HARLEM RIVER.

The Contractor will be required to begin work within five days of the date of certification of the contract by the Comptroller of The City of New York, and will be required to complete the entire work to the satisfaction of the Commissioner and in accordance with the plans and specifications within thirty (30) consecutive working days.

In case the Contractor shall fail to complete the work within the time aforesaid, he shall pay to The City of New York the sum of twenty dollars (\$20) for each and every calendar day the time consumed in said performance and completion may exceed the time allowed.

The amount of security to guarantee the faithful performance of the work will be One Thousand Dollars (\$1,000).

The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

Blank forms and specifications may be obtained at the office of the Department of Bridges. ARTHUR J. O'KEEFE, Commissioner. Dated November 29, 1911. d2,14

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK. SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges, at the above office until 2 o'clock p. m., on

THURSDAY, DECEMBER 21, 1911.
FOR FURNISHING AND INSTALLING THE ELEVATORS IN THE MUNICIPAL BUILDING.

The bidder shall state in his bid the type of electric elevator upon which his bid is based; and he shall also state the car speed which he guarantees, which speed must be between the limits specified.

The contractor will be required to begin work within five days of the date of certification of the contract by the Comptroller of The City of New York, and will be required to complete the

entire work to the satisfaction of the Commissioner and in accordance with the plans and specifications on or before the expiration of eight calendar months from the date of said certification.

In case the contractor shall fail to complete the work within the time aforesaid, he shall pay to The City of New York the sum of One Hundred Dollars (\$100) for each and every calendar day the time consumed in said performance and completion may exceed the time allowed.

The amount of security to guarantee the faithful performance of the work will be One Hundred and Fifty Thousand Dollars (\$150,000).

The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

Blank forms and specifications may be obtained at the office of the Department of Bridges. ARTHUR J. O'KEEFE, Commissioner. Dated November 27, 1911. n29,d21

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATE.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities, at the above office, until 2.30 o'clock p. m., on

THURSDAY, DECEMBER 21, 1911.
FOR FURNISHING AND DELIVERING FIVE HUNDRED (500) TONS OF BITUMINOUS, FIVE HUNDRED (500) TONS OF RUCKWHEAT, AND ONE HUNDRED (100) TONS OF GAS COAL.

The time for the performance of the contract is during the balance of the year 1911.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price per gross ton, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each line stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner. Dated December 9, 1911. d9,20

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m., on

WEDNESDAY, DECEMBER 20, 1911.
FOR FURNISHING AND DELIVERING BUTTER, EGGS, MILK, FISH, LEMONS, ORANGES, COCOA, SUGAR, BARLEY, SOAP, ICE, LAUNDRY SUPPLIES, FORAGE, CEMENT AND LAUNDRY MACHINERY.

The time for the performance of the contract is during the year 1911.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate. The bidder will state the price per pound, quart or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner. Dated December 9, 1911. d9,20

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m., on

THURSDAY, DECEMBER 21, 1911.
1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR UNDERGROUND CONDUIT SYSTEM, TRANSFORMER VAULT, ELECTRIC ELEVATOR AND OTHER WORK IN THE METROPOLITAN HOSPITAL DISTRICT.

2. FOR COMPLETE ELECTRIC WIRING AND FIXTURES FOR INFIRMARY DINING ROOM AND KITCHEN, FEMALE TUBERCULOSIS BUILDING AND SUN TENTS, SOLARIUM, PAVILIONS NOS. 1 TO 5, SUPERINTENDENT'S RESIDENCE, CARPENTER SHOP, COFFIN SHOP, STABLE, POWER HOUSE AND LAUNDRY BUILDING FOR METROPOLITAN HOSPITAL DISTRICT.

3. FOR COMPLETE ELECTRIC WIRING AND FIXTURES FOR NEW ROMAN CATHOLIC CHURCH, MALE INFIRMARY AND SUN TENTS, AND ELECTRIC MOTORS FOR LAUNDRY FOR METROPOLITAN HOSPITAL DISTRICT.

4. FOR FURNISHING LABOR FOR GROUND WIRE AND LABOR AND MATERIALS FOR GROUNDING SYSTEM, LIGHTNING ARRESTERS AND AUTOMATIC SWITCHES FOR METROPOLITAN HOSPITAL DISTRICT.

The time allowed for the completion of the work and full performance of the contract is one hundred (100) consecutive working days. The security required will be Fifteen Thousand Dollars (\$15,000).

Bids will be compared and the contract awarded to the lowest bidder on each group of contracts as follows: Contract No. 1; Contracts Nos. 1 and 2; Contracts Nos. 1, 2 and 3; or Contracts Nos. 1, 2, 3 and 4.

Blank forms and further information may be obtained at the office of Frank Sutton, Consulting Engineer, 80 Broadway, The City of New York, where plans and specifications may be seen.

MICHAEL J. DRUMMOND, Commissioner. Dated December 8, 1911. d9,20

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m., on

WEDNESDAY, DECEMBER 20, 1911,

FOR FURNISHING AND DELIVERING MILK, CHICKEN, ICE AND VEGETABLES.

The time for the performance of the contract is from January 1, 1912, to June 30, 1912, both dates inclusive.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per pound, quart or other designated unit, by which the bids will be tested. The extensions must be made and the total and awards made to the lowest bidder on each line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner.

Dated December 7, 1911. d8,20
See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m., on

MONDAY, DECEMBER 18, 1911,

FOR THE TRANSPORTATION AND BURIAL OF PAUPER DEAD IN THE BOROUGH OF QUEENS.

The time for the performance of the contract is during the year 1912.

The amount of security required is Seven Hundred and Fifty Dollars (\$750).

The bidder will state the price for the burial of each body, by which the bids will be tested. The bids will be read from the total and award made to the lowest bidder.

MICHAEL J. DRUMMOND, Commissioner.

The City of New York, December 6, 1911. d6,18

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

TUESDAY, DECEMBER 12, 1911,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE ERECTION OF SECTIONAL REMOVABLE ENCLOSURES FOR THE VERANDA AND BALCONY OF THE "FEMALE BLIND PAVILION" AT THE NEW YORK CITY HOME FOR THE AGED AND INFIRM, BLACKWELLS ISLAND, THE CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract is thirty (30) consecutive working days. The surety required will be One Thousand Dollars (\$1,000).

The bidder will state one aggregate price for the whole work described and specified, as the contract is entire and for a complete job.

Blank forms and further information may be obtained at the office of the Architect of the Department, foot of E. 26th st., The City of New York, where plans and specifications may be seen.

MICHAEL J. DRUMMOND, Commissioner.

Dated November 28, 1911. n29,d12
See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

TUESDAY, DECEMBER 12, 1911,

FOR FURNISHING AND DELIVERING ANTHRACITE, BITUMINOUS AND GAS COAL.

The quantities are as follows:

Boroughs of Manhattan and The Bronx.

1,850 tons egg coal.
6,000 tons buckwheat coal.
600 tons pea coal.
800 tons stove coal.
7,000 tons bituminous coal.
400 tons gas coal.

Boroughs of Brooklyn and Queens.

6,000 tons pea coal.
700 tons stove coal.

Borough of Richmond.

800 tons egg coal.

The time for the performance of the contract is during the months of January, February, March and April, 1912. The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price per gross ton, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each class as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner.

The City of New York, November 28, 1911. n29,d12

See General Instructions to Bidders on the last page, last column, of the "City Record."

BOROUGH OF BROOKLYN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn, at the above office until 11 o'clock a. m., on

WEDNESDAY, DECEMBER 20, 1911,

FOR FURNISHING AND DELIVERING ONE COMBINATION DRAWER AND PIGEON-HOLE CASE; THREE MAP TUBE CASES; ONE DRAWER CASE; TWO PIGEON-HOLE CASES WITH SWINGING DOORS; AND ONE ATLAS CASE WITH TWO DRAWERS, ALL TO BE INSTALLED IN THE OFFICE OF THE TOPOGRAPHICAL BUREAU, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

The time allowed for the delivery of the materials and the completion of the work and the full performance of the contract will be sixty (60) calendar days.

The amount of security required will be One Thousand Dollars (\$1,000).

The bidder will state the price of each item or article contained in the specifications. The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained at the office of the Bureau of Public Buildings and Offices, Room 29, Municipal Building, Borough of Brooklyn.

ALFRED E. STEERS, Borough President.

Dated December 5, 1911. d8,20

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Brooklyn at the above office until 11 o'clock a. m., on

WEDNESDAY, DECEMBER 20, 1911,

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN PRESIDENT ST., FROM CLASSON AVE. TO BEDFORD AVE., AND TO RECONSTRUCT SEWER IN FRANKLIN AVE. FROM PRESIDENT ST. TO A POINT ABOUT 85 FEET SOUTH OF PRESIDENT ST.

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

75 linear feet of 24-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$6.70

366 linear feet of 18-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$3.45

24 linear feet of 18-inch cast iron pipe and concrete casing, laid complete, including extra excavation and all incidentals and appurtenances; per linear foot \$5.10

608 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$2.68

683 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$1.60

2,415 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot 90 cents

17 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole \$62

One (1) drop manhole complete, with iron head and cover, including all incidentals and appurtenances; per manhole \$150

2 sewer basins reconnected complete, including all incidentals and appurtenances; per reconnection \$10

6,000 feet, board measure, of sheeting and bracing, driven in place complete, including all incidentals and appurtenances; per thousand feet, board measure, \$18

Total \$7,701 90

The time allowed for the completion of the work and full performance of the contract will be seventy-five (75) working days.

The amount of security required will be Three Thousand, Five Hundred Dollars (\$3,500).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN BAY RIDGE AVE., BETWEEN 10TH AND 12TH AVES.

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

43 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$2.15

1,467 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$1.65

2,400 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot 85 cents

15 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole \$50

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$130

Total \$5,426 55

The time allowed for the completion of the work and full performance of the contract will be seventy (70) working days.

The amount of security required will be Two Thousand Seven Hundred Dollars (\$2,700).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN BROOKLYN AVE., BETWEEN FARRAGUT ROAD AND GLENWOOD ROAD.

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

47 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$2.15

737 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$1.70

670 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot 85 cents

7 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole \$50

2 sewer basins complete, of either standard design, with iron pans or grating, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin \$140

Total \$2,553 45

The time allowed for the completion of the work and full performance of the contract will be forty (40) working days.

The amount of security required will be Twelve Hundred Dollars (\$1,200).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS ON 14TH AVE., AT ALL FOUR CORNERS EACH OF 81ST, 82D, 83D, 84TH AND 85TH STS.

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

Twenty (20) sewer basins complete, of either standard design, with iron pans or grating, iron basin hoods, and connecting culverts, including all incidentals and appurtenances; per basin \$120

Total \$2,400 00

The time allowed for the completion of the work and full performance of the contract will be thirty (30) working days.

The amount of security required will be Twelve Hundred Dollars (\$1,200).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWERS IN BOTH SIDES OF LINDEN AVE., BETWEEN NEW YORK AVE. AND E. 34TH ST., AND OUTLET SEWER IN LINDEN AVE., SOUTH SIDE, BETWEEN E. 34TH AND E. 35TH STS.

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

32 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$1.85

687 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$1.60

110 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot 80 cents

9 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole \$50

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood, and connecting culvert, including all incidentals and appurtenances; per basin \$125

Total \$1,821 40

The time allowed for the completion of the work and full performance of the contract will be forty (40) working days.

The amount of security required will be Nine Hundred Dollars (\$900).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN OAKLAND PLACE, BETWEEN TILDEN AVE. AND BUTLER ST.

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

409 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$1.65

286 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot 80 cents

4 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole \$50

1 sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$150

1,300 feet, board measure, of sheeting and bracing, driven in place complete, including all incidentals and appurtenances; per thousand feet, board measure, \$18

Total \$1,277 05

The time allowed for the completion of the work and full performance of the contract will be thirty (30) working days.

The amount of security required will be Six Hundred Dollars (\$600).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN RALEIGH PLACE, BETWEEN MARTENSE AND CHURCH AVES.

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

310 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$1.80

350 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot 80 cents

3 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole \$50

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$150

2,500 feet, board measure, of sheeting and bracing, driven in place complete, including all incidentals and appurtenances; per thousand feet, board measure, \$18

Total \$1,183 00

The time allowed for the completion of the work and full performance of the contract, will be thirty (30) working days.

The amount of security required will be Five Hundred Dollars (\$500).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN E. 29TH ST., FROM THE SEWER SUMMIT ABOUT 300 FEET SOUTH OF AVENUE K TO AVENUE K.

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

43 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$2.15

300 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot \$1.60

220 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot 80 cents

3 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole \$50

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$135

Total \$1,027 00

The time allowed for the completion of the work and full performance of the contract will be twenty-five (25) working days.

The amount of security required will be Five Hundred Dollars (\$500).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS AT ALL FOUR CORNERS OF DUMONT AVE. AND WARWICK ST.

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

Four (4) sewer basins complete, of either standard design, with iron pans or grating, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin \$125

Total \$500 00

The time allowed for the completion of the work and full performance of the contract will be twenty (20) working days.

The amount of security required will be Two Hundred and Fifty Dollars (\$250).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE NORTHWEST CORNER OF UNION ST. AND NEW YORK AVE.

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

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$155

Total \$155 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Eighty Dollars (\$80).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE EAST CORNER OF BAY 29TH ST. AND CROPSY AVE.

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

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$145

Total \$145 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Seventy-five Dollars (\$75).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE NORTH CORNER OF BAY 28TH ST. AND CROPSY AVE.

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

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$140

Total \$140 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Seventy Dollars (\$70).

The foregoing Engineer's preliminary estimate of the total cost for the completed work is to be taken as the 100 per cent. basis and test for bidding. Proposals shall each state a single percentage of such 100 per cent. (such as 95 per cent., 100 per cent., or 105 per cent.), for which all materials and work called for in the proposed contract and the notices to bidders are to be furnished to the City. Such percentage, as bid for this contract, shall apply to all unit items specified in the Engineer's preliminary estimate to an amount necessary to complete the work described in the contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Sewers, the Borough of Brooklyn, 215 Montague st., Brooklyn.

ALFRED E. STEERS, President.

Dated December 8, 1911. d8,20

See General Instructions to Bidders on the last page, last column, of the "City Record."

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

Four (4) sewer basins complete, of either standard design, with iron pans or grating, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin \$125

Total \$500 00

The time allowed for the completion of the work and full performance of the contract will be twenty (20) working days.

The amount of security required will be Two Hundred and Fifty Dollars (\$250).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE NORTHWEST CORNER OF UNION ST. AND NEW YORK AVE.

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

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$155

Total \$155 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Eighty Dollars (\$80).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE EAST CORNER OF BAY 29TH ST. AND CROPSY AVE.

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

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin \$145

Total \$145 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Seventy-five Dollars (\$75).

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCT

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

1,450 linear feet new curbstone set in concrete.
90 cubic yards earth excavation.
4,010 cubic yards earth filling, to be furnished.
7,110 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be fifty (50) working days.

The amount of security required will be Fifteen Hundred Dollars (\$1,500).

6. FOR REGULATING AND PAVING WITH ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF MARTENSE ST. FROM NOSTRAND AVE. TO NEW YORK AVE. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

2,365 square yards asphalt pavement, 5 years maintenance.

400 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract will be thirty (30) working days.

The amount of security required will be Seven Hundred Dollars (\$700).

7. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON AVE. N. O. FROM EAST 15TH ST. TO OCEAN AVE. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

100 cubic yards earth excavation.

1,650 cubic yards earth filling, to be furnished.

2,230 linear feet cement curb, 1 year maintenance.

9,450 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be fifty (50) working days.

The amount of security required will be Twelve Hundred Dollars (\$1,200).

8. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON HENRI ST. FROM DUMONT AVE. TO NEW LOTS ROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

2,000 linear feet of new curbstone set in concrete.

120 cubic yards earth excavation.

1,660 cubic yards earth filling, to be furnished.

8,610 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be forty (40) working days.

The amount of security required will be Four Hundred Dollars (\$400).

9. FOR LAYING CEMENT SIDEWALKS ON JOHNSON AVE. FROM MORGAN AVE. TO FLUSHING AVE. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

20,730 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be thirty (30) working days.

The amount of security required will be Eleven Hundred Dollars (\$1,100).

10. FOR REGULATING AND PAVING WITH ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF SKILLMAN AVE. FROM HUMBOLDT ST. TO OLD WOODPOINT ROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

700 square yards asphalt pavement, 5 years maintenance.

97 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract will be twenty (20) working days.

The amount of security required will be Four Hundred Dollars (\$400).

11. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 12TH AVE. FROM BAY RIDGE AVE. TO 75TH ST. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

6,080 cubic yards earth excavation.

720 cubic yards earth filling, not to be bid for.

2,880 linear feet cement curb, 1 year maintenance.

13,650 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be seventy (70) working days.

The amount of security required will be Two Thousand Dollars (\$2,000).

12. FOR REGULATING AND PAVING WITH ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 14TH AVE. FROM THE NORTH SIDE OF 79TH ST. TO 86TH ST. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

9,420 square yards asphalt pavement, 5 years maintenance.

1,325 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract will be forty (40) working days.

The amount of security required will be Fifty-four Hundred Dollars (\$5,400).

13. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 43D ST. FROM 8TH AVE. TO 10TH AVE. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

2,930 linear feet new curbstone set in concrete.

470 cubic yards earth excavation.

330 cubic yards earth filling, to be furnished.

13,670 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be forty (40) working days.

The amount of security required will be Eighteen Hundred Dollars (\$1,800).

14. FOR REGULATING, GRADING, CURBING, LAYING SIDEWALKS AND PAVING WITH ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 52D ST. FROM NEW UTRECHT AVE. TO 13TH AVE. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

1,235 square yards asphalt pavement, 5 years maintenance.

175 cubic yards concrete, for pavement foundation.

530 cubic yards earth excavation.

790 linear feet cement curb, 1 year maintenance.

100 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be thirty (30) working days.

The amount of security required will be Nine Hundred Dollars (\$900).

15. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 81ST

ST. FROM 18TH AVE. TO 19TH AVE. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

1,270 linear feet new curbstone set in concrete.

130 cubic yards earth excavation.

100 cubic yards earth filling, to be furnished.

6,080 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be thirty (30) working days.

The amount of security required will be Eight Hundred Dollars (\$800).

16. FOR CURBING AND LAYING SIDEWALKS ON 88TH ST. FROM 3D AVE. TO 4TH AVE. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

1,460 linear feet cement curb, 1 year maintenance.

6,760 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be thirty (30) working days.

The amount of security required will be Six Hundred Dollars (\$600).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, square foot, square yard, cubic yard, or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained at the office of the Bureau of Highways, the Borough of Brooklyn, 12 Municipal Building, Brooklyn. ALFRED E. STEERS, President.

Dated December 4, 1911. d8,20

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m., on

WEDNESDAY, DECEMBER 13, 1911.

1. FOR REGULATING AND PAVING WITH SECOND-HAND GRANITE ON A SAND FOUNDATION THE ROADWAY OF NORTH HENRY ST. FROM GREENPOINT AVE. TO GREENE ST. TOGETHER WITH ALL WORK INCIDENTAL THERETO.

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

3,195 square yards second-hand granite pavement with sand joints, 1 year maintenance.

210 linear feet of headers furnished and set.

The time allowed for the completion of the work and the full performance of the contract will be twenty-five (25) working days.

The amount of security required will be Eleven Hundred Dollars (\$1,100).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, square yard, or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained at office of Bureau of Highways, Room 12, Municipal Building, Borough of Brooklyn. ALFRED E. STEERS, President.

Dated November 27, 1911. d1,13

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF CORRECTION.

DEPARTMENT OF CORRECTION, 148 EAST 20TH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m., on

TUESDAY, DECEMBER 19, 1911.

1. FOR FURNISHING AND DELIVERING HARDWARE, PAINTS, IRON, STEAM FITTINGS, LUMBER AND MISCELLANEOUS ARTICLES.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1911.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total for each item (class) and awards made to the lowest bidder on each item (class). The bids on lumber will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, 148 East 20th st. PATRICK A. WHITNEY, Commissioner.

Dated December 4, 1911. d7,19

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF CORRECTION, 148 EAST 20TH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 a. m., on

TUESDAY, DECEMBER 12, 1911.

1. FOR FURNISHING AND DELIVERING 3,250 GROSS TONS WHITE ASH PEA COAL.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1911.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, 148 East 20th st. PATRICK A. WHITNEY, Commissioner.

Dated November 28, 1911. n29,d12

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION.

DEPARTMENT OF EDUCATION, CORNER OF PARK AVE. AND 59TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the above office of the Department of Education until 3 o'clock p. m., on

TUESDAY, DECEMBER 19, 1911.

FOR PRINTING AND FOR FURNISHING AND DELIVERING ANNUAL REPORT OF THE CITY SUPERINTENDENT OF SCHOOLS, 1910-1911.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before February 14, 1912.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. Award will be made to the lowest bidder.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Board of Education, the Borough of Manhattan, southwest corner of Park ave. and 59th st.

PATRICK JONES, Superintendent of School Supplies.

Dated December 8, 1911. d8,19

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVE. AND 59TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings, at the above office of the Department of Education, until 3.30 o'clock p. m. on

MONDAY, DECEMBER 18, 1911.

Borough of Manhattan.

1. FOR INTERIOR ALTERATIONS AND ADDITIONS TO THE FIRE-ESCAPE AT THE HALL OF THE BOARD OF EDUCATION, AT 59TH STREET AND PARK AVENUE, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be 55 working days, as provided in the contract.

The amount of security required is \$3,500.

Borough of Queens.

2. FOR ITEM 1, INSTALLING HEATING AND VENTILATING APPARATUS; AND ITEM 2, INSTALLING TEMPERATURE REGULATION IN NEW PUBLIC SCHOOL 40, ON THE SOUTHERLY CORNER OF PACIFIC AND UNION HALL STS., JAMAICA, BOROUGH OF QUEENS.

The time allowed to complete the whole work of each item will be 120 working days, as provided in the contract.

The amount of security required is as follows: Item 1, \$16,000; Item 2, \$1,200.

A separate proposal must be submitted for each item, and award will be made thereon.

On No. 1, the bids will be compared and the contract will be awarded in a lump sum to the lowest bidder.

On No. 2, bidders must state the price of each item by which the bids will be tested.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent at Estimating Room, 9th floor, Hall of the Board of Education, Park ave. and 59th st., Borough of Manhattan, and also at Branch Office, 69 Broadway, Flushing, Borough of Queens.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated December 6, 1911. d6,18

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVE. AND 59TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings, at the above office of the Department of Education, until 3.30 o'clock p. m. on

MONDAY, DECEMBER 18, 1911.

Borough of Manhattan.

3. FOR ITEM 3, INSTALLING ELECTRIC ELEVATORS AND ASH HOISTS; AND ITEM 4, INSTALLING BINDERY EQUIPMENT IN THE WASHINGTON IRVING HIGH SCHOOL, ON THE EASTERLY SIDE OF IRVING PLACE, BETWEEN 16TH AND 17TH STS., BOROUGH OF MANHATTAN.

The time allowed to complete the whole work of each item will be one hundred working days, as provided in the contract.

The amount of security required is as follows: Item 3, \$10,000; Item 4, \$500.

A separate proposal must be submitted for each item and award will be made thereon.

Note—Attention of all intending bidders is expressly called to the printed addenda which has been inserted in the specifications.

Bidders must state the price of each item by which the bids will be tested.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent at Estimating Room, 9th floor, Hall of the Board of Education, Park ave. and 59th st., Borough of Manhattan.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated December 7, 1911. d6,18

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVE. AND 59TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the above office of the Department of Education until 3 p. m., on

WEDNESDAY, DECEMBER 13, 1911.

FOR PACKING, CARRYING, LOADING, CARTING, DELIVERING, TRANSFERRING, RETRANSFERRING, RETURNING, ETC., SCHOOL SUPPLIES TO THE SCHOOLS, PLAYGROUNDS, RECREATION CENTRES, DEPOSITORIES, ETC., OF THE CITY OF NEW YORK, IN THE BOROUGH OF MANHATTAN, THE BRONX, BROOKLYN, QUEENS AND RICHMOND, FOR THE YEAR ENDING DECEMBER 31, 1912.

The value of the supplies to be delivered will be about \$1,500,000.

Supplies are to be delivered in baskets and packages to all schools in The City of New York, located in the Boroughs of Manhattan, The Bronx, Brooklyn, Queens and Richmond, at the time and in the manner and in such quantities as may be required.

All supplies must be delivered to the floors and rooms of the various school buildings, must be unpacked and assorted, so that Principals or representatives may check same intelligently, and

itemized receipt presented the day of delivery, if possible, but not later than 9 a. m. the day following.

Contractor will be required, when supplies are to be transferred from one school to another, to pack supplies in said school, transfer same and unpack them at the school or schools where they are delivered.

The time for the completion and performance of the contract is from January 1, 1912, to December 31, 1912, inclusive. The amount of security required is: For entire contract, fifteen Thousand Dollars (\$15,000); for extra trucks or auto-trucks, Five Hundred Dollars (\$500) for each item.

The bidder will write out the amount of his bid, in addition to inserting the same in figures.

Award of contract will be made to the lowest bidder on each item who proves to the satisfaction of the Committee on Supplies that he can do the work.

Blank forms and further information may be obtained in the office of the Superintendent of School Supplies, Board of Education, corner of Park ave. and 59th st., Borough of Manhattan.

PATRICK JONES, Superintendent of School Supplies.

Dated December 2, 1911. d2,13

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVE. AND 59TH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings, at the above office of the Department of Education, until 3.30 o'clock p. m., on

MONDAY, DECEMBER 11, 1911.

Borough of Brooklyn.

FOR FURNITURE FOR ADDITIONS TO AND ALTERATIONS IN BOYS' HIGH SCHOOL, ON MARCY AVENUE, BETWEEN MADISON STREET AND PUTNAM AVENUE, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be 60 working days, as provided in the contract.

The amount of security required is as follows: Item 1, \$500; Item 2, \$100; Item 3, \$600; Item 4, \$2,500.

A separate proposal must be submitted for each item and award will be made thereon.

Bidders must state the price of each item by which the bids will be tested.

Bids will be compared and the contract will be awarded in a lump sum to the lowest bidder on each item.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent, at Estimating Room, 9th floor, Hall of the Board of Education, Park avenue and 59th street, Borough of Manhattan, and also at branch office, 131 Livingston street, Borough of Brooklyn.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated November 28, 1911. n28,d11

See General Instructions to Bidders on the last page, last column, of the "City Record."

plan of The City of New York so as to close a portion of North William street, between Park row and Frankfort street, lay out the lines and grades of a new street connecting North William street with William street and change the lines and grades of William street, between Duane street and Frankfort street, Borough of Manhattan, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on December 14, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on November 16, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by closing a portion of North William street, between Park row and Frankfort street, laying out the lines and grades of a new street connecting North William street with William street and changing the lines and grades of William street, between Duane street and Frankfort street, in the Borough of Manhattan, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Secretary of the Board of Estimate and Apportionment, and dated November 14, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 14th day of December, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the City Record for ten days continuously, Sundays and legal holidays excepted, prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to lay out the lines and grades of the street system within the area designated as Section 46 of the Final Maps, and change the grades of the street system bounded by Lane avenue, Williamsbridge road and Westchester avenue, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on December 14, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on November 16, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by discontinuing Avenue F, from Ocean parkway to 18th avenue, in the Borough of Manhattan, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Commissioner of Public Works of the Borough, and dated August 11, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 14th day of December, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the City Record and the Corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of Netherland avenue, from Kappock street to West 227th street, and change the grade of West 227th street, from Arlington avenue to Netherland avenue, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on December 14, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on November 16, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by changing the lines and grades of Netherland avenue, from Kappock street to West 227th street, and changing the grade of West 227th street, from Arlington avenue to Netherland avenue, in the Borough of The Bronx, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated October 27, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 14th day of December, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the City Record for ten days continuously, Sundays and legal holidays excepted, prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to lay out the lines and grades of St. Raymond avenue, from Olmstead avenue to Hoguet avenue, and lay out the lines and grades of Hoguet avenue, from Unionport road to McGraw avenue, between Unionport road and Archer avenue, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on December 14, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by

the Board on November 16, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by discontinuing Protectory avenue, from McGraw avenue to Purdy street; laying out the lines and grades of St. Raymond avenue, from Olmstead avenue to Hoguet avenue, and laying out the lines and grades of Hoguet avenue, from Unionport road to McGraw avenue, and the grades of Hoguet avenue, between Unionport road and Archer avenue, in the Borough of The Bronx, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated October 30, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 14th day of December, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the City Record for ten days continuously, Sundays and legal holidays excepted, prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to lay out the lines and grades of the street system within the area designated as Section 46 of the Final Maps, and change the grades of the street system bounded by Lane avenue, Williamsbridge road and Westchester avenue, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on December 14, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on November 16, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by laying out the lines and grades of the street system within the area designated as Section 46 of the Final Maps, bounded approximately by Castle Hill avenue, West Farms road, Paulding avenue, Van Nest avenue, Newport avenue, Morris Park avenue, Elberon avenue, Wilkinsons avenue, Seymour avenue, McDonald street, Eastchester road, Pelham Parkway South and its prolongation, Mayflower avenue, Wilkinson avenue, Ponton avenue, Buhrer avenue, St. Raymond avenue, Lang avenue, Roberts avenue, Waters avenue, Ponton avenue, Lane avenue, Westchester avenue, Zerega avenue, St. Raymond avenue and Parker street, and changing the grades of the street system bounded by Lane avenue, Williamsbridge road and Westchester avenue, in the Borough of The Bronx, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated June 14, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 14th day of December, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the City Record for ten days continuously, Sundays and legal holidays excepted, prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to lay out the lines and grades of the street system within the area designated as Section 40 of the Final Maps, bounded approximately by Jackson avenue, Holland avenue, Flushing River, Tallman avenue, Willbanks place, Wilshire street, Wynant street, Jackson avenue, Prince street, State street, Farrington street, Jackson avenue, Main street, Redwood street, Lawrence street, Sanford avenue, Delong street, Redwood street, Watergrade avenue, Roosevelt avenue and Hewitt avenue, in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Secretary of the Board of Estimate and Apportionment, and dated August 23, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 14th day of December, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the City Record for ten days continuously, Sundays and legal holidays excepted, prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to lay out the lines and grades of the street system within the area designated as Section 39 of the Final Maps, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on December 14, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and de-

scribed in the following resolutions adopted by the Board on November 16, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by laying out the lines and grades of the street system within the area designated as Section 39 of the Final Maps, bounded approximately by Tiemann avenue, Gunther street, Riverside avenue, Edison street, Morris avenue, Co-man street, Hewitt avenue, Roosevelt avenue, Prime street, Hewitt avenue, Lurting street, Watergrade avenue, Meadow street, Blossom avenue, Watergrade avenue, Fowler street and its prolongation, Hewitt avenue, Varick street, Morris avenue, Unity street, Riverside avenue, Provoost street, Peartree avenue and Nicholls street, in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Secretary of the Board of Estimate and Apportionment, and dated August 23, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 14th day of December, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the City Record for ten days continuously, Sundays and legal holidays excepted, prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on November 16, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of laying out new streets and making changes in the grades of existing streets within the territory bounded approximately by Tottenville road, Sunnyside avenue, Bradley avenue, Richmond turnpike, Clove road, Richmond road and Four Corners road as extended to Tottenville road, in the Borough of Richmond, as shown upon a tentative map bearing the signature of the President of the Borough, consisting of five sections, and dated, respectively, June 15, 1911; June 20, 1911; July 15, 1911; September 1, 1911; and September 22, 1911; be it

Resolved, That this Board will give an informal hearing in the matter at a meeting of the Board to be held in the City Hall, Borough of Manhattan, City of New York, on the 14th day of December, 1911, at 10.30 o'clock in the forenoon;

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Room 1406. Telephone 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on November 16, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of amending the proceeding instituted by said Board April 10, 1908, for acquiring title to Ralph avenue, from Eastern parkway to East 98th street; Union street, from East New York avenue to East 98th street; Tapscott street, from East New York avenue to East 98th street; Howard avenue, from East New York avenue to East 98th street, and Grafton street, from Sutter avenue to East 98th street, Borough of Brooklyn, so as to relate to Grafton street, from Sutter avenue to East 98th street; Ralph avenue, from Eastern parkway to East 98th street; Union street, from East New York avenue to East 98th street; Tapscott street, from East New York avenue to East 98th street; and Howard avenue, from East New York avenue to East 98th street.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proposed amended proceeding:

Beginning at a point on the southwesterly line of East 98th street where it is intersected by a line distant 100 feet westerly from and parallel with the westerly line of Ralph avenue, the said distance being measured at right angles to the line of Ralph avenue, and running thence northwardly along the said line parallel with Ralph avenue to the intersection with a line which bisects the angle formed between the centre lines of East 98th street and Ralph avenue, as these streets are laid out south of East New York avenue; thence northwardly along the said bisecting line to the intersection with a line midway between Union street and President street; thence westwardly along the said line midway between Union street and President street to the intersection with a line midway between Ralph avenue and Buffalo avenue, as these streets are laid out north of East New York avenue; thence northwardly along the said line midway between Ralph avenue and Buffalo avenue to a point distant 100 feet northerly from the northerly line of Eastern parkway; thence eastwardly along a line parallel with Eastern parkway to the intersection with a line midway between Ralph avenue and Howard avenue, as the said streets are laid out north of Eastern parkway; thence southwardly along the said line midway between Ralph avenue and Howard avenue to the intersection with a line distant 100 feet northwesterly from and parallel with the northwesterly line of East New York avenue, the said distance being measured at right angles to the line of East New York avenue; thence northeastwardly along the said line parallel with East New York avenue to the intersection with a line at right angles to East New York avenue, passing through a point on the southerly line of Pitkin avenue midway between Grafton street and Barrett street; thence southeastwardly along the said line at right angles to East New York avenue to the southerly line of Pitkin avenue; thence southwardly along a line midway between Grafton street and Barrett street to the northwesterly line of East 98th street; thence southwestwardly at right angles to East 98th street to a point distant 100 feet southwestwardly from the southwesterly line of East 98th street; thence northwesterly along a line parallel with East 98th street and always distant 100 feet therefrom to the intersection with a line at right angles to East 98th street, passing through the point of beginning; thence northeastwardly along the said line at right angles to East 98th street to the point or place of beginning.

Bounded on the northeast by a line distant 100 feet southwestwardly from and parallel with the southwesterly line of East 98th street, the said distance being measured at right angles to East 98th street; on the southeast by a line midway between Clarkson avenue and Lenox road; on the southwest by a line midway between East 96th street and Rockaway parkway, and on the northwest by a line midway between Winthrop street and Clarkson avenue.

Resolved, That this Board consider the proposed area of assessment at a meeting of the

Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 14th day of December, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record and the corporation newspapers for ten days prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Room 1406. Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on November 16, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Belmont avenue, from Pennsylvania avenue to Wyona street, and from Elderts lane to the old City line, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

1. Bounded on the north by a line midway between Pitkin avenue and Belmont avenue; on the east by a line midway between Wyona street and Bradford street; on the south by a line midway between Belmont avenue and Sutter avenue, and on the west by a line midway between Sheffield avenue and Pennsylvania avenue.

2. Bounded on the north by a line midway between Pitkin avenue and Belmont avenue, as these streets are laid out east of Drew avenue and by the prolongations of the said line; on the east by a line distant 100 feet easterly from and parallel with the former City line; on the south by a line midway between Belmont avenue and Sutter avenue, as these streets are laid out between Grant avenue and Elderts lane, and by the prolongation of the said line, and on the west by a line midway between Grant avenue and Elderts lane.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 14th day of December, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record and the corporation newspapers for ten days prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Room 1406. Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT AT A meeting of the Board of Estimate and Apportionment held on November 16, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of West 172d street, from Aqueduct avenue to Plimpton avenue, and from Shakespeare avenue to Jesup avenue, in the Borough of The Bronx, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on the easterly line of Roscobel avenue, distant 200 feet southerly from the southerly line of West 172d street, and running thence northwardly along the easterly line of Roscobel avenue and of Aqueduct avenue to the intersection with a line distant 200 feet northerly from and parallel with the northerly line of West 172d street, as this street is laid out where it adjoins Plimpton avenue on the west, the said distance being measured at right angles to West 172d street; thence eastwardly along the said line parallel with West 172d street, to the intersection with a line distant 100 feet westerly from and parallel with the westerly line of Plimpton avenue, the said distance being measured at right angles to Plimpton avenue; thence northwardly along the said line, parallel with Plimpton avenue, to the intersection with the prolongation of a line distant 400 feet northerly from and parallel with the northerly line of West 172d street, as this street is laid out where it adjoins Nelson avenue, the said distance being measured at right angles to West 172d street; thence eastwardly along the said line, parallel with West 172d street, and along the prolongation of the said line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southerly line of Featherbed lane and the northerly line of West 172d street, as these streets are laid out between Shakespeare avenue and Jesup avenue; thence eastwardly along the said bisecting line to a point distant 100 feet easterly from the easterly line of Jesup avenue, the said distance being measured at right angles to Jesup avenue; thence southwardly and always distant 100 feet easterly from and parallel with the easterly line of Jesup avenue, to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southerly line of West 172d street and the northerly line of Roscobel avenue, as these streets are laid out between Plimpton avenue and Nelson avenue; thence northwardly along the said bisecting line to the intersection with a line at right angles to Roscobel avenue, and passing through the point of beginning; thence westwardly along the said line at right angles to Roscobel avenue to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 14th day of December, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record for ten days prior to the 14th day of December, 1911.

Dated December 1, 1911.
JOSEPH HAAG, Secretary, 277 Broadway.
Room 1406. Telephone, 2280 Worth. dl,12

NOTICE IS HEREBY GIVEN THAT AT A meeting of the Board of Estimate and Apportionment held on November 16, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Baker avenue, from Garfield street to Matthews avenue, at a point about 149 feet east of the easterly line of Barnes avenue, in the Borough of The Bronx, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on the prolongation of a line midway between Mead street and Baker avenue, distant 100 feet westerly from the westerly line of Garfield street, and running thence eastwardly along the said line midway between Mead street and Baker avenue, and along the prolongation of the said line to the intersection with the westerly line of Unionport road; thence northeastwardly in a straight line to a point on the easterly line of White Plains road, where it is intersected by a line bisecting the angle formed by the intersection of the prolongations of the northerly line of Baker avenue and the southerly line of Van Nest avenue, as these streets are laid out between Cruger avenue and Holland avenue; thence eastwardly along the said bisecting line to the intersection with a line distant 100 feet northerly from and parallel with the northerly line of Baker avenue, as this street is laid out where it adjoins Barnes avenue, the said distance being measured at right angles to Baker avenue; thence eastwardly along the said line parallel with Baker avenue, and along the prolongation of the said line to the intersection with the westerly line of Matthews avenue; thence eastwardly at right angles to Matthews avenue a distance of 160 feet; thence generally southwardly and always distant 100 feet easterly from and parallel with the easterly line of Matthews avenue and the prolongations thereof, to the intersection with the prolongation of a line distant 100 feet southerly from and parallel with the southerly line of Baker avenue, as this street is laid out at Barnes avenue, the said distance being measured at right angles to Baker avenue; thence generally westwardly and always distant 100 feet southerly from and parallel with the southerly line of Baker avenue and the prolongations thereof to the intersection with a line parallel with Garfield street, as this street is laid out at Van Nest avenue, and passing through the point of beginning; thence northwardly along the said line parallel with Garfield street to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 14th day of December, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record for ten days prior to the 14th day of December, 1911.

Dated December 1, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone, 2280 Worth. d1,12

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on November 16, 1911, the Board adjourned until December 14, 1911, the hearing in the matter of acquiring title to Maurice avenue, from Toledo street to Junction avenue, and to Horton street, from Broadway to Junction avenue, Borough of Queens.

The hearing will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, December 14, 1911, at 10.30 a. m.

The following is the proposed area of assessment in the proceeding:

Beginning at a point on the prolongation of a line midway between Gerry avenue and Maurice avenue, distant 100 feet easterly from the easterly line of Junction avenue, the said distance being measured at right angles to Junction avenue, and running thence southwardly and always distant 100 feet easterly from and parallel with the easterly line of Junction avenue to the intersection with the prolongation of a line midway between Horton street and Ivy street; thence westwardly along a line always midway between Horton street and Ivy street, and along the prolongation of the said line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the centre lines of Justice street and Chicago street as these streets are laid out between Horton street and Ivy street; thence southwardly along the said bisecting line to the intersection with a line distant 100 feet southeasterly from and parallel with the southeasterly line of Ivy street as this street is laid out immediately adjoining Justice street, the said distance being measured at right angles to Ivy street; thence southwardly along the said line parallel with Ivy street, and along the prolongation of the said line, to a point distant 100 feet southwardly from the southwesterly line of Justice street, the said distance being measured at right angles to Justice street; thence northwardly and always distant 100 feet southwardly from and parallel with the southwesterly line of Justice street to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Horton street as this street is laid out immediately adjoining Broadway, the said distance being measured at right angles to Horton street; thence westwardly along the said line parallel with Horton street, and along the prolongation of the said line to a point distant 100 feet westerly from the westerly line of Broadway, the said distance being measured at right angles to Broadway; thence northwardly and always distant 100 feet southerly from and parallel with the southerly line of Broadway to the intersection with a line at right angles to its westerly side where it is intersected by a line bisecting the angle formed by the intersection of the prolongations of the centre lines of Maurice avenue and Horton street as these streets are laid out westerly from the first angle point west of Chicago street; thence eastwardly along the said line at right angles to Broadway to the intersection with its westerly side; thence northeastwardly along the said bisecting line to the intersection with the prolongation of a line midway between Maurice avenue and Horton street as these streets are laid out at Chicago street; thence eastwardly along the said line midway between Maurice avenue and Horton street, and along the prolongation of the said line, to a point distant 100 feet westerly from the westerly line of Toledo street; thence northwardly and parallel with Toledo street to the intersection with a line midway between Gerry avenue and Maurice avenue; thence eastwardly along the said line midway between Gerry avenue and Maurice avenue to the point or place of beginning.

Dated December 1, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone, 2280 Worth. d1,12

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on November 16, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of enlarging the area of assessment in the proceeding instituted by said Board November 8, 1907, for acquiring title to 4th avenue, from Monroe avenue to Tompkins avenue, Borough of Richmond.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, as amended, hereby gives notice that the following is the proposed enlarged area of assessment for benefit in this proceeding:

Beginning at a point on the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of 4th avenue, the said distance being measured at right angles to 4th avenue, where it is intersected by a line always distant 100 feet westerly from and parallel with the westerly line of Jersey avenue, the said distance being measured at right angles to Jersey avenue, and running thence eastwardly along the said line parallel with 4th avenue and along the prolongation of the said line to a point distant 100 feet westerly from the westerly line of Westervelt avenue as laid out adjoining 4th avenue, the said distance being measured at right angles to the line of Westervelt avenue; thence northwardly along a line at right angles to 4th avenue to the intersection with the prolongation of a line always distant 280 feet northerly from and parallel with the northerly line of 4th avenue as this street is laid out easterly from Westervelt avenue, the said distance being measured at right angles to the line of 4th avenue; thence eastwardly along the said line parallel with 4th avenue and along the prolongation of the said line to a point distant 100 feet easterly from the easterly line of Tompkins avenue, the said distance being measured at right angles to Tompkins avenue; thence southwardly and always distant 100 feet easterly from and parallel with the easterly line of Tompkins avenue to the intersection with the prolongation of a line always distant 325 feet southerly from and parallel with the southerly line of 4th avenue as this street is laid out easterly from Westervelt avenue, the said distance being measured at right angles to the line of 4th avenue; thence westwardly along the said line parallel with 4th avenue to a point distant 100 feet westerly from the westerly line of Westervelt avenue, the said distance being measured at right angles to Westervelt avenue; thence northwardly along a line always distant 100 feet westerly from and parallel with Westervelt avenue to a point distant 100 feet southerly from the southerly line of 4th avenue, the said distance being measured at right angles to 4th avenue; thence westwardly along a line always distant 100 feet southerly from and parallel with the southerly line of 4th avenue and the prolongation thereof to the intersection with a line parallel with Jersey avenue and passing through the point of beginning; thence northwardly along the said line parallel with Jersey avenue to the point or place of beginning.

(The lines of the streets herein referred to and which have not been laid out upon the City map are intended to be those in use and as commonly recognized.)

Resolved, That this Board consider the proposed enlarged area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 14th day of December, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record for ten days prior to the 14th day of December, 1911.

Dated December 1, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone, 2280 Worth. d1,12

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on November 23, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of East 17th street, from Avenue L to a point about 480 feet north of Avenue N; East 18th street, from Avenue L to a point about 465 feet north of Avenue P; and East 19th street, from the south line of Avenue M to a point about 560 feet north of Avenue P, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on the easterly right-of-way line of the Long Island Railroad where it is intersected by a line midway between Avenue J and Avenue K, and running thence eastwardly along the said line midway between Avenue J and Avenue K to the intersection with a line midway between East 18th st. and East 19th st.; thence southwardly along the said line midway between East 18th st. and East 19th st. to the intersection with a line midway between Avenue K and Avenue L; thence eastwardly along the said line midway between Avenue K and Avenue L to the intersection with a line midway between East 19th street and Ocean avenue; thence southwardly along the said line midway between East 19th street and Ocean avenue to a point distant 100 feet southerly from the southerly line of Kings Highway, the said distance being measured at right angles to Kings Highway; thence westwardly and always distant 100 feet southerly from and parallel with the southerly line of Kings Highway to the intersection with a line midway between East 17th st. and East 18th st.; thence northwardly along the said line midway between East 17th st. and East 18th st. to the intersection with a line midway between Avenue O and Avenue P; thence westwardly along the said line midway between Avenue O and Avenue P to the intersection with the easterly right-of-way line of the Long Island Railroad; thence northwardly along the said right-of-way line to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 14th day of December, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record and the Corporation newspapers for ten days prior to the 14th day of December, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone, 2280 Worth. d1,12

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on November 23, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Sybilla street, from Metropolitan avenue to Viola place; Theresa street; Ursula place, from Metropolitan avenue to Union turnpike; and Viola place, from Metropolitan avenue to Ursula place, in the Borough of Queens, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on the southerly line of Union turnpike where it is intersected by the prolongation of a line distant 100 feet southwardly from and parallel with the southwesterly line of Ursula place as this street is laid out where it adjoins Union turnpike, the said distance being measured at right angles to Ursula place and running thence northwardly and northwardly along a line always distant 100 feet westerly from and parallel with the line of Ursula place, and the prolongation thereof to a point distant 100 feet southerly from the southerly line of Sybilla street; thence westwardly and northwardly and always distant 100 feet southerly and westerly from and parallel with the southerly and westerly line of Sybilla street and the prolongations thereof to the intersection with a line distant 100 feet northerly from and parallel with the northerly line of Metropolitan avenue, the said distance being measured at right angles to Metropolitan avenue; thence eastwardly along the said line parallel with Metropolitan avenue to the intersection with the prolongation of a line midway between Wanda place and Viola place; thence southwardly along the said line midway between Wanda place and Viola place, and along the prolongation of the said line to the intersection with a line at right angles to Wanda place and passing through a point on its westerly side midway between Sybilla street and Ursula place; thence eastwardly along the said line at right angles to Wanda place to a point distant 100 feet easterly from its easterly side; thence southwardly and parallel with Wanda place to the intersection with the northerly line of Union turnpike; thence southwardly at right angles to Union turnpike a distance of 225 feet; thence westwardly and parallel with Union turnpike to the intersection with a line at right angles to Union turnpike and passing through the point of beginning; thence northwardly along the said line at right angles to Union turnpike to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 14th day of December, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record for ten days prior to the 14th day of December, 1911.

Dated December 1, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone, 2280 Worth. d1,12

Franchise Matters.

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment, held November 29, 1911, the following petition was received:

To the Board of Estimate and Apportionment:

The Bronx Traction Company, a street surface railroad company, hereby applies for the consent of The City of New York to the construction and operation of a double-track extension of its road on the following route, in the Borough of The Bronx, City of New York:

Commencing at the present terminus of its road at Westchester square, in the Village of Westchester, Borough of The Bronx, City of New York, extending with double tracks in, upon, and along the surface of Westchester avenue to the intersection of said avenue with the Eastern boulevard or Pelham Bay Park, also situated in said Borough of The Bronx, City of New York. The proposed extension is to be operated by an overhead current of electricity, and will connect the company's lines now terminating at Westchester square with the Pelham Bay Park, thus affording a new line of transportation to the park from the southern and western portions of the Borough of The Bronx.

Dated November 24, 1911.

BRONX TRACTION COMPANY,

(Seal) By EDWARD A. MAHER, President.

City and County of New York, ss: Edward A. Maher, being duly sworn, says that he is the president of the Bronx Traction Company, the petitioner herein; that he has read the foregoing petition and knows the contents thereof, and that the same is true to his knowledge except as to those matters which are therein stated on information and belief, and as to such matters he verily believes it to be true.

EDWARD A. MAHER.

Sworn to before me this 24th day of November, 1911.

Jas. S. WILLIAMS, Notary Public, New York County.

—and the following resolutions were thereupon adopted: Whereas, The foregoing petition from the Bronx Traction Company, dated November 24, 1911, was presented to the Board of Estimate and Apportionment at a meeting held November 29, 1911;

Resolved, That in pursuance of law this Board sets Thursday, the 21st day of December, 1911, at 10.30 o'clock in the forenoon, and Room 16 in the City Hall, Borough of Manhattan, as the time and place when and where such petition shall be first considered, and a public hearing be had thereon, at which citizens shall be entitled to appear and be heard; and be it further

Resolved, That the Secretary is directed to cause such petition and these resolutions to be published for at least fourteen (14) days in two daily newspapers in The City of New York, to be designated by the Mayor, and for at least ten (10) days in the City Record immediately prior to such date of public hearing. The expense of such publication to be borne by the petitioner. (The New York Press and the New York Times designated.)

JOSEPH HAAG, Secretary.

New York, November 29, 1911. d9,21

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held this day the following resolutions were adopted:

Whereas, The City of New York, by an ordinance adopted by the Board of Aldermen July

26, 1904, and approved by the Mayor August 2, 1904, granted to the New York, Westchester and Boston Railway Company the right to construct, maintain and operate a four-track railroad upon certain routes, particularly set forth in section 1 of said ordinance, and which ordinance, including all the terms and conditions thereof, was accepted by said Company by an instrument in writing duly filed with the Comptroller of The City of New York on August 13, 1904; and

Whereas, The Board of Estimate and Apportionment, by resolution adopted July 14, 1905, and approved by the Mayor July 21, 1905, consented to certain modifications or alterations in the aforesaid routes; and

Whereas, Said ordinance was further amended by contracts between the City and the Company dated January 29, 1909, and August 2, 1911, respectively; and

Whereas, The said Company has petitioned the Board of Estimate and Apportionment by a petition verified October 11, 1911, for the consent of The City of New York to certain modifications and alterations in said routes, as is fully set forth in said petition; and

Whereas, Sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on October 26, 1911, fixing the date for a public hearing thereon as November 23, 1911, at which citizens were entitled to appear and be heard, and publication was had for at least two (2) days in the "New York Press" and "Morning Telegraph," newspapers designated by the Mayor, and in the City Record for ten (10) days immediately prior to the date of hearing, and the public hearing was duly held on such day; and

Whereas, The said Board has made inquiry as to the proposed modification and amendment of said ordinance as heretofore amended; now, therefore, it is

Resolved, That the following form of resolution for the consent or right applied for by the New York, Westchester and Boston Railway Company, containing the form of proposed contract for the grant of such right, be hereby introduced and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby consents to certain changes, alterations and amendments in the route of the New York, Westchester and Boston Railway Company as granted by an ordinance of the Board of Aldermen approved by the Mayor August 2, 1904, as amended by resolution of the Board of Estimate and Apportionment approved July 21, 1905, and by contracts dated January 29, 1909, and August 2, 1911, respectively, and the right to cross certain streets, avenues, highways and public places and to construct, maintain and operate a railroad in, upon and across the streets, avenues, highways and public places on such amended route of said railroad, such changed, altered or amended route being fully set forth and described in the following form of proposed contract for the grant thereof, embodying such terms and conditions as modify or alter said ordinance of the Board of Aldermen as heretofore amended, which said ordinance as heretofore amended otherwise remains unchanged as to all the other terms and conditions expressed therein, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

Proposed Form of Contract.

This contract, made this.....day of..... 1912, by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the New York, Westchester and Boston Railway Company (hereinafter called the Company), party of the second part, witnesseseth:

Whereas, The City did by ordinance approved by the Mayor August 2, 1904, grant to the Company the right to cross certain streets and highways and the privilege to construct and operate a four-track railroad upon certain routes particularly set forth in section 1 of said ordinance, and as shown on certain maps and profiles therein referred to and filed in the office of the County Clerk of the City and County of New York, on the 23d day of June, 1904; and

Whereas, The Board did on July 14, 1905, adopt a resolution which was approved by the Mayor July 21, 1905, consenting to a change in the route of the Company; and

Whereas, The Board did on November 20, 1908, adopt a resolution which was approved by the Mayor November 30, 1908, authorizing the execution and delivery of a contract modifying and altering certain of the terms and conditions of the said ordinance of the Board of Aldermen approved by the said resolution of the Board of Estimate and Apportionment approved by the Mayor July 21, 1905, and said contract so authorized was executed by the President and Secretary of the Company on January 29, 1909, and by the Mayor and City Clerk, February 8, 1909, and bears the former date; and

Whereas, The Board did on July 6, 1911, adopt a resolution which was approved by the Mayor July 11, 1911, authorizing the execution and delivery of a contract changing the route of the Company and modifying and altering certain of the terms and conditions of the said ordinance of the Board of Aldermen approved by the Mayor August 2, 1904, as amended by the said resolution of the Board of Estimate and Apportionment approved by the Mayor July 21, 1905, and as further amended by the said contract dated January 29, 1909, and said contract so authorized was executed by the President and Secretary of the Company on July 21, 1911, and by the Mayor and City Clerk on August 2 and August 15, 1911, respectively, and bears date of August 2, 1911; and

Whereas, In and by said ordinance as amended by said resolution and said contracts, the consent of the City was granted to the Company for the construction, maintenance and operation of the said railroad across certain enumerated streets, avenues or highways, either above or below the grade thereof within said City upon certain conditions therein fully set forth; and

Whereas, On the 10th day of December, 1910, the Board of Directors of said Company at a meeting of said Board of Directors duly held on said date, and by a vote of two-thirds of all the Directors of said Company, adopted a resolution altering and amending the route of the said Company as amended by the said resolution of July 21, 1905, and the said contract dated January 29, 1909, and which alterations and amendments are shown upon a certain map dated December 10, 1910, entitled:

"Map and Profile of New York, Westchester & Boston Railway Company, New York County, New York, part of section 1, December 10, 1910, being map and profile of that part of the route of the main line of said railway Company within said County extending from a point near the intersection of Willis avenue and 132d street in the Borough of The Bronx, City of New York, to a point between 134th street and 135th street, east of Willow avenue, in said Borough and City, as altered, changed, amended and adopted by affirmative vote of two-thirds of all the Directors of the said Company on the 10th day of December, 1910. E. J. Langford, Chief

Engineer, New York, Westchester & Boston Railway Company.

—and signed by the Chief Engineer, President, Secretary and ten Directors, which map was filed in the office of the County Clerk of New York County on July 24, 1911; and

Whereas, The Company has applied to the Board as the local authority of the City by a petition verified October 11, 1911, for the consent of such local authority for such change, alterations and amendments to the route of said railroad and for the right to construct, maintain and operate a railroad in, upon and across the streets, avenues, highways and public places on said amended route and for the modification of the said ordinance, resolution and contracts in accordance therewith, to wit:

That the description of the main line of the Company as contained in section 1 of the contract dated January 29, 1909, as amended by contract dated August 2, 1911, be altered and amended between the terminus of the railway of the Company at the Harlem River to a point between 134th and 135th streets east of Willow avenue.

—and

Whereas, After due publication, a public hearing at which citizens were entitled to appear and be heard, was held by the Board upon the modifications and amendments contained in the petition on the 23d day of November, 1911; and

Whereas, The Board has made inquiry as to the proposed modifications and amendments of said ordinance of 1904, resolution of 1905, and contracts of 1909 and 1911; and

Whereas, On the day of, 1912, the Board, as the local authority of the City, adopted a resolution granting to the Company the right to make such changes, alterations and amendments to the route of said railroad and the right to cross certain streets, avenues, highways and public places, and to construct, maintain and operate a railroad in, upon and across the streets, avenues, highways and public places on such amended route of said railroad, and authorized the Mayor to execute and deliver a contract granting such rights in the name and on behalf of the City, which resolution was approved by the Mayor on the day of, 1912.

Now, therefore, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree, as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right to make such changes, alterations and amendments to the route of said railroad and the right to cross certain streets, avenues, highways and public places and to construct, maintain and operate a railroad in, upon and across the streets, avenues, highways and public places on such amended route of said railroad, which amended route is shown upon the map heretofore referred to and is more particularly described as follows:

1. The description of the main line of the Company as contained in section 1 of the contract dated August 2, 1911, is hereby amended by striking therefrom that portion of said description reading as follows:

"Beginning at a point on the Harlem River near the point where Lincoln avenue intersects the north bank of the Harlem River in the Borough of The Bronx, and crossing Lincoln avenue between the Harlem River and 132d street; thence running easterly substantially parallel to 132d street between 132d street and the Harlem River; thence crossing 132d street at or near its intersection with Willow avenue; thence crossing 134d street, 134th street, 135th street, 136th street, 137th street, 138th street, between Willow avenue and the Harlem River and Port Chester Railroad."

—and substituting therefor the following:

"Beginning at a point on the Harlem River near the point where Lincoln avenue intersects the north bank of the Harlem River in the Borough of The Bronx, and crossing Lincoln avenue between the Harlem River and 132d street; thence running easterly substantially parallel to 132d street between 132d street and the Harlem River to a point approximately seven hundred and two feet east of the easterly line of Willis avenue; thence running easterly and contiguous to the existing route of the Harlem River and Portchester Railroad Company and crossing East 132d street at a point where the centre line of the Main Line is distant approximately two hundred and ten feet easterly from the easterly line of Willis avenue; thence running northerly and contiguous to the existing route of the Harlem River and Portchester Railroad Company and crossing East 133d street and East 134th street at points where the centre line of the Main Line is distant approximately three hundred feet and three hundred and forty feet, respectively, easterly from the easterly line of Willis avenue; thence running northerly and contiguous to the existing route of the Harlem River and Portchester Railroad Company and crossing East 135th street, East 136th street, East 137th street and East 138th street between Willow avenue and the Harlem River and Portchester Railroad."

The amended route hereby authorized is more particularly shown upon a map entitled:

"N. Y. & B. Ry. Map showing proposed change of route from the intersection of Willis avenue and 132d street to a point between 134th street and 135th street East of Willow avenue, Borough of The Bronx, to accompany petition dated October 11, 1911, to the Board of Estimate and Apportionment."

—and signed by L. S. Miller, President, and J. L. Crider, Chief Engineer; a copy of which is attached hereto, is to be deemed a part of this contract, is to be construed with the text thereof, and is to be substantially followed, provided that deviations therefrom which are consistent with the foregoing description and the other provisions of this contract may be permitted by resolution of the Board.

Section 2. The grant of this privilege is subject to the following conditions:

First—All the terms, provisions and conditions contained in the said ordinance approved by the Mayor August 2, 1904, the said resolution of the Board, approved by the Mayor July 21, 1905, and the said contracts dated January 29, 1909, and August 2, 1911, respectively, shall remain unchanged and shall apply to the routes described in said ordinance as amended, as hereby further amended, with the same force and effect as when they applied to the routes described in said ordinance as amended, and as though the changes in route herein authorized had been specifically described in said ordinance as amended.

Second—The Company hereby agrees to assume all liability to any person or corporation by reason of the execution of this contract, the change of route herein authorized and the abandonment of the route herein described, and it is a condition of this contract that the City shall assume no liability whatsoever either to any person or corporation on account of the same, and the Company hereby agrees to repay to the City any damage which the City may be compelled to pay by reason of this contract, and by the said change of route and abandonment.

Section 3. The Company covenants and agrees to abandon and relinquish, and does hereby abandon, surrender and relinquish to the City all of its rights and franchises to construct, maintain and operate a railroad in, upon or across the streets on those portions of the route described in the said ordinance approved by the Mayor August 2, 1904, as amended by resolution approved by the Mayor July 21, 1905, and

by contracts dated January 29, 1909, and August 2, 1911, respectively, to wit: Main Line between the intersection of Willis avenue and East 132d street and a point between East 134th and East 135th streets east of Willow avenue; which are not covered by the description of the new and amended route as herein described, and which are not shown on the map of the amended route heretofore referred to as having been filed in the office of the County Clerk of New York County on the twenty-fourth day of July, 1911, and which are not shown outlined in red upon the map accompanying the said petition of October 11, 1911, a copy of which is attached hereto and forms a part of this contract.

Section 4. The Company promises, covenants and agrees on its part and behalf to conform to, and abide by and perform all of the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers thereto duly authorized, has caused its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By..... Mayor.
(CORPORATE SEAL)
Attest:, City Clerk.

NEW YORK, WESTCHESTER AND BOSTON RAILWAY COMPANY,
By..... President.

(SEAL), Secretary.

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the proposed franchise, and the adequacy of the compensation proposed to be paid therefor, and of the terms and conditions, are as specified and fully set forth in the said ordinance approved by the Mayor August 2, 1904, as heretofore amended, as further amended by the foregoing form of proposed contract for the consent of such modifications and alterations.

Resolved, That these preambles and resolutions, including said resolution for the consent of The City of New York to the modifications and alterations as applied for by the New York, Westchester and Boston Railway Company, and said form of proposed contract for the grant of said franchise or right containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, January 4, 1912, in the City Record, and at least twice during the ten (10) days immediately prior to Thursday, January 4, 1912, in two (2) daily newspapers to be designated by the Mayor therefor and published in The City of New York, at the expense of the New York, Westchester and Boston Railway Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment before authorizing any contract for the consent of the City to certain modifications and alterations in the routes of the New York, Westchester and Boston Railway Company, as granted by ordinance of the Board of Aldermen, approved by the Mayor August 2, 1904, and amended by resolution of the Board of Estimate and Apportionment, approved by the Mayor July 21, 1905, and by contracts dated January 29, 1909, and August 2, 1911, respectively, such modifications and alterations being fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right and before adopting any resolution authorizing any such contract, will, at a meeting of said Board to be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, January 4, 1912, at 10.30 o'clock a. m., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

(The New York "Times" and the New York "Press" designated.)

JOSEPH HAAG, Secretary.
Dated New York, November 23, 1911. d9,j4

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held this day the following resolutions were adopted:

Whereas, The Riverside Light & Power Company has under date of May 16, 1911, made application to this Board for the grant of the right, privilege and franchise to construct, maintain and operate conduits with the necessary branches and extensions therefrom for the purpose of supplying electricity for light and power within a district bounded by West 129th street, 12th avenue, West 134th street and the easterly line of the marginal street, wharf or place as adopted by the Commissioner of Docks February 27, 1907, and approved by the Commissioners of the Sinking Fund April 3, 1907, in the Borough of Manhattan, City of New York; and

Whereas, Sections 72, 73 and 74 of the Greater New York Charter as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws this Board adopted a resolution on June 8, 1911, fixing the date for the public hearing thereon as July 6, 1911, at which citizens were entitled to appear and be heard, and publication was had for at least two (2) days in the New York "Herald" and the New York "Press," newspapers designated by the Mayor, and in the City Record for ten (10) days immediately prior to the date of hearing, and the public hearing was duly held on such day; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for and proposed to be granted to the Riverside Light & Power Company and the adequacy of the compensation proposed to be paid therefor; now, therefore, it is

Resolved, That the following form of resolution for the grant of the franchise or right applied for by the Riverside Light & Power Company, containing the form of proposed contract for the grant of such franchise or right, be hereby introduced and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the Riverside Light & Power Company the franchise or right fully set out and described in the following form of proposed contract for the grant thereof, embodying all the terms and conditions including the provisions as to rates and charges, upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

Proposed Form of Contract.

This contract, made this day of 1911, by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the Riverside Light & Power Company, a corporation formed

under and pursuant to the laws of the State of New York (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter contained, the right and privilege to lay, construct, maintain and operate suitable wires or other electrical conductors in conduits, for the purpose of supplying electrical current for light, heat and power, said conductors to be laid, constructed, maintained and operated only within that portion of the Borough of Manhattan bounded and described as follows:

Beginning at the intersection of the centre line of West 129th street with the easterly line of the marginal street, wharf or place, as adopted by the Commissioner of Docks February 27, 1907, approved by the Commissioners of the Sinking Fund April 3, 1907, and laid down on the map of the Department of Docks and Ferries; thence northeasterly along the easterly line of the said marginal street, wharf or place to its intersection with the centre line of West 134th street; thence easterly along the centre line of West 134th street to its intersection with the centre line of 12th avenue; thence southerly along the centre line of 12th avenue to its intersection with the northerly line of West 131st street; thence easterly along the northerly line of West 131st street to a point 125 feet east of the easterly line of 12th avenue; thence southerly from the said point on the northerly line of West 131st street, 125 feet east of the easterly line of 12th avenue to the centre line of West 131st street, the same distance from 12th avenue; thence westerly from the said point in the centre of West 131st street, 125 feet east of the easterly line of 12th avenue to the centre line of 12th avenue; thence southerly along the centre line of 12th avenue to its intersection with the centre line of West 129th street; thence westerly along the centre line of West 129th street to the easterly line of the marginal street, wharf or place, at the point or place of beginning. Said boundaries and district being more particularly shown by a red line on the map or plan attached to this contract, dated May 16, 1911, and signed by Joseph Conron, President of the Company, and made a part hereof.

It is, however, understood and agreed that the Company shall have no right to carry on the business of furnishing electricity for light, heat or power in the blocks abutting on West 131st street east of 12th avenue, but that any wires or conductors laid by it in said street shall only be for the purpose of connecting the plant which it proposes to construct in the block on the north side of said street with the territory above described west of the centre line of 12th avenue, for the purpose of supplying consumers therein.

Section 2. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company.

First—The said right to lay, construct, maintain and operate said conductors and appurtenances shall be held and enjoyed by the Company from the date on which this contract is signed by the Mayor to and until March 7, 1926, with the privilege of renewal of said contract for the further period of ten (10) years, upon a fair revaluation of such right and privilege.

If the Company shall determine to exercise its privilege of renewal, it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time, not earlier than two years and not later than one year before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but the annual sum to be paid by the Company to the City under such renewal shall not be less than the sum required to be paid during the last year of the original term of this contract.

If the Company and the Board shall not reach such agreement on or before the day one year before the expiration of the original term of this contract, then the annual rate of compensation for such succeeding ten (10) years shall be reasonable, and either the City (by the Board) or the Company shall be bound, upon request of the other, to enter into a written agreement with such other fixing the rate of such compensation at such amount as shall be reasonable, but no less than the sum required to be paid by the Company to the City during the last year of the original term of this contract, and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate at such amount as shall be determined by three disinterested freeholders, selected in the following manner:

One disinterested freeholder shall be chosen by the Board; one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluations aforesaid. Such appraisers shall be chosen at least six months prior to the expiration of the original term of this contract, and their report shall be filed with the Board within three months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience, and upon such information as they may obtain by inquiries and investigations without the presence of either party. They shall have the right to examine the books of the Company and its officers under oath. The valuations so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum to be paid thereunder shall in any event be less than the sum required to be paid for the last year of the original term of this contract. If in any case, the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate heretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company, each paying one-half thereof.

Second—The Company shall pay to the City for the privilege hereby granted the following sums of money.

1. The sum of five hundred dollars (\$500) for the privilege hereby granted within thirty (30) days after the signing of this contract by the Mayor.

2. During the period between the date on which this contract is signed by the Mayor and March 7, 1916, an annual sum which shall in no case be less than one hundred dollars (\$100) and which shall be equal to two (2) per cent. of the gross receipts of the Company, if such percentage shall exceed the sum of one hundred dollars (\$100).

3. During the succeeding five years of this original contract an annual sum which shall in no case be less than one hundred and seventy-five dollars (\$175) and which shall be equal to three (3) per cent. of the gross receipts of the Company, if such percentage shall exceed the sum of one hundred and seventy-five dollars (\$175).

4. During the last five years of this original contract, an annual sum which shall in no case be less than two hundred and fifty dollars (\$250) and which shall be equal to five (5) per cent. of the gross receipts of the Company if such per-

centage shall exceed the sum of two hundred and fifty dollars (\$250).

All annual sums as above shall be paid into the treasury of the City on February 1 of each year, and shall be for the amount due to December 31 next preceding. Whenever the percentage required to be paid shall exceed the minimum amount as above, then such sum over and above such minimum shall be paid on or before February 1 in each year for the year ending December 31 next preceding.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be in addition to any and all taxes of whatsoever kind or description now or hereafter required to be paid by any ordinance of the City or resolution of the Board, or any law of the State of New York.

Third—The annual charges or payments shall continue throughout the whole term of this contract (whether original or renewal) notwithstanding any clause in any statute or in the charter of any other company providing for payments for similar rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted (whether original or renewal), or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all conditions of this contract, and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said conditions as to payments, anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemption from liability to perform each and all of the conditions of this contract.

Fourth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual, firm or other corporation a similar right or privilege upon the same or other terms and conditions, in the same streets and avenues, or within the district hereinbefore described.

Fifth—The rights and privileges hereby granted shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company or by the operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in anywise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Sixth—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the conductors and appurtenances, including conduits, if any, of the Company, constructed or maintained pursuant to this contract within the streets and avenues shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this contract, as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board remove any and all of its conductors and appurtenances, including conduits, if any, constructed or maintained pursuant to this contract and the said streets and avenues shall be restored to their original condition at the sole cost and expense of the Company.

Seventh—The Company shall construct and operate its electric system subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City, and shall bear the expense of all inspection by such authorities, and of the inspection of all work of construction.

Within thirty (30) days after the signing of this contract by the Mayor, the Company shall apply to the Commissioner of Water Supply, Gas and Electricity for leave to place its wires or conductors underground, in or across the streets, where they are now laid or where it is proposed to locate them, and shall also demand of the Consolidated Telegraph and Electrical Subway Company space in its conduits or subway crossing Manhattan street, West 131st street and West 132d street at these points, in which to place the existing wires or conductors, or if no such conduits or subways have been built by the Subway Company which will accommodate these wires or conductors, then that the said Subway Company be required to build the same across the said streets where the said wires or conductors are now laid or where it is proposed to locate them.

If there be no conduits or subways of the Subway Company for the accommodation of the existing wires or conductors of the Company crossing the streets at these points, it shall have the right to maintain said wires or conductors as at present maintained and operated until such new conduits or subways are placed at its disposal by the Subway Company for use and occupation whereupon the Company agrees and binds itself to discontinue the use of its present electric conduits in the public streets and to place its said wires or conductors in such conduits or subways of the Consolidated Telegraph and Electrical Subway Company.

All other or additional wires or conductors of the Company shall be placed in conduits or subways to be leased from the Consolidated Telegraph and Electrical Subway Company, or from the City, should it succeed to the rights of such company, provided, however, that should the said Consolidated Company within six (6) months after notice and demand neglect or refuse to construct such conduits or subways as are necessary and to place the same at the disposal and use of the Company, the Company, with the further consent of the Board, may construct such conduits or subways as are necessary for use by its own wires or conductors. Any such subways or conduits constructed by the Company shall be transferred to the Consolidated Telegraph and Electrical Subway Company, or the City, on payment to the Company of the reasonable cost thereof, and the Company agrees and binds itself to so transfer any such conduits or subways upon payment therefor by the Subway Company or the City.

Eighth—The electric plant, conduits, wires, conductors, connections and all appurtenances thereto, shall be constructed, maintained and operated in the latest approved manner, and with the most modern and improved appliances.

Ninth—The Company shall, upon being directed to do so by the Commissioner of Water Supply, Gas and Electricity, extend its wires and conductors and furnish light, heat or power to any public building or street lamp within the territory herein described.

Tenth—The Company shall file with the Board on the first day of February in each year a map or plan upon which shall be plainly indicated the number of wires which are in use by the Company on December 31 of the preceding year, the streets in which the same are located, and also those which were put in use during the preceding year.

Eleventh—It is a condition of this contract that the Company shall bear the entire expense of all

work undertaken by reason of this grant, by the Company.

Twelfth—The rates to be charged shall never be in excess of those authorized by the laws hereafter enumerated, and it is agreed that the same may be altered or changed by the Board as hereinafter provided.

For electricity furnished to the City, the Company shall not charge higher rates than those authorized by chapter 733 of the Laws of 1905, as amended by chapter 390 of the Laws of 1906, and chapter 479 of the Laws of 1910.

For electricity furnished to other consumers, the Company shall not charge higher rates than those authorized by chapter 732 of the Laws of 1905, as amended by chapter 616 of the Laws of 1906.

The Company also agrees that if in the future any new or improved style of street lighting is available for use, it will furnish the same at such reasonable prices as may be fixed by the Board, subject to the provisions of this contract.

Thirteenth—During the term of this contract, or any renewal thereof, the Board shall have the power to regulate and fix the maximum and minimum rates to be charged by the Company throughout the territory in which it is hereby granted the right to operate, provided such rates shall be reasonable and fair.

The maximum rates herein fixed for electricity furnished by the Company shall continue until March 7, 1916, at which time and at the end of each period of five years thereafter during the term of the contract or any renewal thereof, the Board shall have the power to readjust such rates, provided the same shall not exceed those fixed by law or be unreasonable or unfair to the Company.

Fourteenth—The Company shall upon request from any individual, company or corporation occupying premises in the territory covered by this contract, not in arrears to it for services already rendered, and who has not agreed with any previous occupier of the premises occupied by such individual, company or corporation, to assume the payment of any moneys due by such previous occupier to the Company, extend its conductors to the premises of such individual, company or corporation and supply current for light, heat or power or any or all of such purposes; provided that it shall not be required to so extend its conductors where the ground in which the same are to be laid shall be frozen, during the period in which the said frozen condition shall continue.

The Company shall not require or receive any deposit or advance payment in excess of what is reasonably necessary to insure payment of current bills, and on such amounts so paid the Company shall pay interest at the statutory rate. Any consumer or person who desires to be connected with the conductors of the Company can apply to the Board to compel the Company in compliance with the provisions of this contract, to connect with and furnish electricity to such consumer or person, and all orders of the Board made on the request of any such consumer or person shall be complied with by the Company.

The provisions of section 62 of the Transportation Corporations Law fixing a penalty for failure of any electric company to extend its service to an applicant, and of this subdivision of the contract requiring the payment of interest on deposits made by consumers, may in the event of the refusal of the Company to comply with any order of the Board, on complaint made in regard thereto, be deducted from the security fund to be deposited with the Comptroller, as hereinafter provided, and the Comptroller is authorized to deduct the amount from the said fund and pay the same to the claimant, on being directed to do so by the Board.

Fifteenth—The Company shall assume all liability to persons or property by reason of the construction or operation of the system authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or defaults of the Company.

Sixteenth—The Company shall submit to the Board a report not later than February 1 of each year, for the year ending December 31 next preceding, and at any other time, upon request of the Board, which shall state:

1. The amount of stock issued, for cash, for property.
2. The amount paid in as by last report.
3. The total amount of capital stock paid in.
4. The funded debt as by last report.
5. The total amount of funded debt.
6. The floating debt as by last report.
7. The total amount of floating debt.
8. The total amount of funded and floating debt.
9. The average rate of interest per annum on funded debt.
10. Statement of dividends paid during year.
11. The total amount expended for same.
12. The names of the directors elected at the last meeting of the stockholders of the Company held for that purpose.
13. Cost of underground conductors and appurtenances, including conduits if any to the year preceding and moneys expended on same during year.
14. Present value of said conduits and appurtenances, based on cost and depreciation.
15. Miles of conductors.
16. Amount of electricity in kilowatts furnished to consumers other than City, number and kind of lamps, motors and heaters supplied with same and amount received therefor.
17. Amount of electricity furnished to the City, in kilowatts, number and kind of lamps, motors and heaters supplied with same and amount received therefor.
18. Total receipts from sales of electricity.
19. Operating expenses, interest and other charges.
20. Net earnings and surplus from such sales.
21. Cost of furnishing electricity per kilowatt.
22. Balance sheet for year.
23. Amounts paid by Company for damages to persons or property on account of construction and operation.

—and such other information in regard to the business of the Company as may be required by the Board.

Seventeenth—The Company shall at all times keep accurate books of account and shall, on or before February 1 in each year, make a verified report to the Comptroller of the City of the business done by the Company for the year ending December 31 next preceding. Such report shall contain a statement of the gross receipts from all business done by the Company in the territory in which it is authorized to operate by this contract, together with such other information and in such form and detail as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctness of its report, and may examine its officers under oath.

Eighteenth—In case of any violation or breach of this contract, the same may be forfeited by a suit brought by the Corporation Counsel on notice of ten days to the Company, or at the option of the Board, by resolution of said Board, which said resolution may contain a provision to the effect that all property constructed and in use by virtue of this grant shall thereupon become the property of the City without proceedings at law or in equity.

If for a period of two consecutive weeks the electric system of the Company shall not be operated, the Board may declare the right and

franchise granted by this contract terminated without further proceedings at law or in equity, if it shall appear in the judgment of said Board that the same was not operated through the fault of the Company. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Nineteenth—If the said Company shall fail to give efficient public service at the rates herein fixed, or fail to maintain its structures in good condition throughout the full term of its occupancy of such streets, or fail to comply with any provision of this contract, except as hereinafter otherwise provided, the Board, if it so elects, instead of commencing proceedings to terminate this contract may give written notice to the said Company, specifying any default on the part of said Company, and requiring said Company to remedy the same within a reasonable time, and upon the failure of the Company to remedy said default within a reasonable time, said Company shall for each day thereafter during which the default or defect remains, pay to the City the sum of fifty dollars (\$50) as fixed and liquidated damages, or the said City, in case such structures which may affect the surface of the streets shall not be put in good condition within a reasonable time and after notice by the Board, as aforesaid, shall have the right to make all needed repairs at the expense of the Company, in which case the said Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, and in default of such payment, the same shall be a proper charge against and may be deducted from the security fund to be deposited with the Comptroller as hereinafter provided.

Twentieth—This grant is upon the express condition that the Company, within thirty (30) days after the signing of this contract by the Mayor, and before anything is done in exercise of the rights conferred thereby, shall deposit with the Comptroller of the City the sum of five hundred dollars (\$500), either in money or securities to be approved by him, which fund shall be security for the performance by the Company of the terms and conditions of this contract, especially those which relate to the payment of the annual charge for the franchise granted; and in case of such default in the annual payment, the City shall collect the same, with interest, from the said fund and give notice to the Company in writing to the said Company. In case of the failure of the Company to comply with the terms of this contract relating to the filing of annual statements, or its neglect or refusal to comply with any demand or direction of the Board or other municipal officials, made pursuant to the terms of this contract, or under the authority of any laws or ordinances now or hereafter in force, in such case and in any of these events, the Company, except as herein otherwise provided, shall pay to the City a penalty of fifty dollars (\$50) for each violation.

The procedure for the imposition and collection of the penalties in this contract shall be as follows: The Board, on its own motion or on complaint made, shall give notice to the Company, directing its President or other officer to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing, appears in the judgment of the Board to be in fault, said Board shall forthwith impose the prescribed penalties, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him.

In case of any drafts made upon the security fund, the Company shall, upon ten (10) days' notice in writing, pay to the City a sum sufficient to restore said security fund to the original amount of five hundred dollars (\$500), and in default thereof this contract shall be canceled and annulled at the option of the Board, acting in behalf of the City, in the same manner as elsewhere provided herein. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Twenty-first—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided, shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Twenty-second—If at any time the powers of the Board or any other of the authorities herein mentioned, or intended to be mentioned, shall be transferred by law to any other Board, authority, officer or officers, then, and in such case, such other Board, authority, officer or officers shall have the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Twenty-third—The grant of this privilege is subject to whatever right, title or interest the owners of abutting property or others may have in and to the streets, avenues and highways of the territory in which the Company is authorized to operate by this contract.

Twenty-fourth—The words "streets and avenues" or "streets or avenues," when and where used, shall be deemed to mean and include any and all streets, avenues, roads, highways, boulevards, parkways, parks and public places.

Section 3. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the Laws of the State of New York.

Section 4. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained, in addition to all provisions of law pertinent hereto.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed, and the party of the second part, by its officers, thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,

By....., Mayor.

Attest:....., City Clerk.

RIVERSIDE LIGHT AND POWER COMPANY,

By....., President.

(CORPORATE SEAL)

Attest:....., Secretary.

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted, and the adequacy of the compensation proposed to be paid therefor, and of the terms and conditions, in-

cluding the provisions as to rates and charges, are as hereinbefore specified and fully set forth in and by the foregoing form of proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions for the grant of the franchise or right applied for by the Riverside Light & Power Company, and the said form of proposed contract for the grant of such franchise or right, containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, December 21, 1911, in the City Record, and at least twice during the ten (10) days immediately prior to Thursday, December 21, 1911, in two daily newspapers to be designated by the Mayor thereof and published in The City of New York, at the expense of the Riverside Light & Power Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the grant of a franchise or right applied for by the Riverside Light & Power Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing any such contract, will, at a meeting of said Board, to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, December 21, 1911, at 10.30 o'clock a. m., hold a public hearing thereon at which citizens shall be entitled to appear and be heard.

The New York "Press" and the "Sun" designated.
JOSEPH HAAG, Secretary.
Dated New York, November 9, 1911. n27,d21

BOARD OF ASSESSORS.

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

Borough of The Bronx.
1982. Regulating, grading, curbing, flagging, etc., the triangle lying between Lafontaine ave. and Quarry road, north of the south line of Oak Tree place.

The area of assessment extends to within one-half the block at the intersecting streets.
2075. Sewers in E. 174th st., between Boston and West Farms roads, and in Hoe ave., between E. 173d st. and E. 174th st.

Borough of Brooklyn.
2017. Sewers in 59th st., between 11th and 13th aves.; and in 13th ave., between 59th and 60th sts.

Affecting block numbers 5703 to 5705 and 5710 to 5712.

2019. Sewer in Gravesend ave., from Avenue C to Foster ave., except that portion already built in Gravesend ave., west side, from Webster ave. northerly about 114 feet; outlet sewer in Avenue D (Corleyn road), from Gravesend ave. to E. 2d st.; in Ditmars ave. and in Avenue F, from Gravesend ave. to E. 2d st.

Affecting block numbers 5344 to 5353 inclusive; 5363 to 5370 inclusive; 5381 to 5385 inclusive; 5394, 5395, 5407, 5408, 5415, 5419, 5422, 5426, 5439 to 5441 inclusive; 5452.

1913. Regulating, grading, curbing and flagging E. 32d st., from Farragut road northerly to the line of the Water Works.

2020. Regulating, grading and paving 20th ave., between Bath and Crosey ave.

2056. Regulating, grading, curbing and flagging Bay Ridge ave., between 15th and New Utrecht aves.

2057. Paving Bowne st., between Van Brunt and Richards sts.

2061. Paving Howard ave., between St. Johns place and Eastern parkway.

2062. Regulating, grading, curbing and flagging Junius st., between Belmont and Blake aves.

2065. Paving Shepherd ave., between Glenmore and Pitkin aves.

2063. Paving Milford st., between Glenmore and Pitkin aves.

2092. Regulating and grading 76th st., between 1st and 2d aves.; curbing and flagging between 1st and 2d aves., omitting that portion between a point 100 feet east of 1st ave. and a point 180 feet east of 1st ave.

2093. Regulating, grading, curbing and flagging 12th ave., between 79th and 82d sts.

2101. Regulating, grading, curbing and flagging 15th ave., between 60th and 64th sts., omitting the portion occupied by the bridge over the Long Island Railroad tracks.

2105. Regulating, grading, curbing and flagging Hubbard place, between Flatbush ave. and E. 40th st.

2111. Regulating, grading, curbing and flagging 70th st., between 15th and New Utrecht aves.

2115. Regulating, grading, curbing and flagging 12th ave., between 75th and 79th sts.

The area of assessment in the above-named lists extends to within one-half the block at the intersecting streets.

All persons whose interests are affected by the above-named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, 320 Broadway, New York, on or before January 9, 1912, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.
THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, December 9, 1911. d9,20

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

Borough of Queens.

2077. Sewer in 4th ave., between Flushing and Potter aves.; First Ward.

Affecting block numbers 77, 78, 87 and 88.

2078. Temporary sewer in Hoffman boulevard, from Hillside ave. to Jefferson st.; Fourth Ward.

Affecting block numbers 668, 669, 675 and 676.

2079. Sewer in Jackson ave., from Paynter ave. to South Washington place, and in South Washington place, from Jackson ave. to Academy st.; First Ward.

Affecting block numbers 96, 97, 113 and 170.

2080. Sewer in 9th ave., from Graham ave. to the crown 295 feet south of Pierce ave.; in Pierce ave., between 8th and 9th aves.; and in 8th ave., between Pierce and Graham aves.; First Ward.

Affecting block numbers 143, 144, 155, 157, 160, 162, 173, 174.

2081. Temporary sewer in 9th ave., from the railroad bridge to 14th st.; Whitestone, Third Ward.

Affecting block numbers 84 and 141.

2082. Sewer in 2d ave., from the crown south of Pierce ave. to Graham ave. and in Pierce ave., between 2d and 3d aves.; First Ward.

Affecting block numbers 107, 108, 111 and 112.

Borough of Richmond.

2047. Temporary sewer in Bay st., between Cross st. and Water st.; and between Cross and Prospect sts.

Affecting Bay st., between Water and Sands sts.; Prospect st., between Van Duzer and Bay sts.

2053. Temporary sewer in Trossach road, from a point about 100 feet east of Pearl st. to Pearl st.; Pearl st., from Trossach road to a point about 110 feet southerly.

Affecting plot 8, lots 358 and 359; Second Ward.

All persons whose interests are affected by the above-named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, 320 Broadway, New York, on or before January 9, 1912, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.
THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, December 2, 1911. d2,13

PUBLIC NOTICE IS HEREBY GIVEN TO all persons claiming to have been injured by a change of grade in the regulating and grading of the following named streets to present their claims, in writing, to the Secretary of the Board of Assessors, No. 320 Broadway, on or before December 12, 1911, at 11 o'clock a. m., at which place and time the said Board of Assessors will receive evidence and testimony of the nature and extent of such injury. Claimants are requested to make their claims for damages upon the blank form prepared by the Board of Assessors, copies of which may be obtained upon application at the above office:

Borough of Manhattan.

2134. 218th st., between Broadway and Seaman ave.

2148. 143d st., west, from Riverside drive to a point 331 feet west of Broadway.

Borough of The Bronx.

2139. Olinville ave. (Richard st.), between Burke st. (Morris st.) and Bronx and Pelham parkway.

2141. Barretto st., between Lafayette ave. and Spofford st.

2145. Seneca ave., from Hunts Point ave. to Whittier st.

2146. Trafalgar place, between 175th and 176th sts.

2224. Canal st., west, between 135th st. and 138th st.

2225. Leggett ave., between Southern boulevard and Randall ave.

2226. 192d st., east, between Creston ave. and Kingsbridge road.

Borough of Brooklyn.

2176. Avenue P, between E. 15th st. and E. 17th st.

2177. Alton place, from Flatbush ave. to 40th st.

2178. Bay 8th st., between Battery and Crosey ave.

2180. Bowne st., between Van Brunt and Richards sts.

2181. Carroll st., between Albany ave. and Troy ave.

2183. E. 35th st., between Avenues J and L.

2184. 83d st., between 24th and Stillwell aves.

2185. 89th st., between 3d and 5th aves.

2186. Eldert lane, from Atlantic avenue to Liberty ave.

2190. 46th st., from 10th ave. to Fort Hamilton ave.

2191. 52d st., from 13th ave. to 16th ave.

2192. 61st st., between 6th and 7th aves.

2193. Lott ave., from E. 98th st. to Junius st.; Amboy st. to Bristol st. and Watkins st. to Junius st.

2194. Martense st., between Nostrand and New York aves.

2197. 97th st., between 4th and Fort Hamilton aves.

2201. Sheffield ave., between Riverdale ave. and New Lots road.

2202. Starr st., between Irving and Wyckoff aves.

2205. Winthrop st., between Nostrand and New York aves.

Borough of Queens.

2206. Crescent st., between Webster ave. and Broadway.

2207. Crescent st., between Jamaica and Newtown aves.

2208. Ditmars ave., between Steinway ave. and Shore road.

2209. 5th ave., between Jackson and Pierce aves.

2210. 14th ave., between Newtown road and Grand ave.

2212. Lawrence st., between Walcott ave. and Winthrop ave.

2213. Paynter ave., between Vernon ave. and Sunswick st.

2215. 10th st., between Vernon and Van Alst aves.

2216. 13th ave., between Jamaica and Grand aves.

Borough of Richmond.

2217. Lafayette ave., between Hatfield ave. and Hatfield place.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, November 28, 1911. n28,d9

BOROUGH OF MANHATTAN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, until 2 o'clock p. m., on

WEDNESDAY, DECEMBER 13, 1911.

FOR FURNISHING AND DELIVERING 1,000 CUBIC YARDS OF WASHED GRAVEL.

The time allowed for the performance of the contract is until December 31, 1911.

The amount of security required is \$500.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article by which the bids will be tested. The extensions must be made and footed up.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, 13 to 21 Park row, Bureau of Highways, Room 1611, Borough of Manhattan.

GEORGE McANENY, President.

The City of New York, December 2, 1911.

d2,13
See General Instructions to Bidders on the last page, last column, of the "City Record."

FIRE DEPARTMENT.

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, 157 AND 159 EAST 67TH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m., on

TUESDAY, DECEMBER 12, 1911,

1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR ESTABLISHING AND EQUIPPING AN EXTENSION OF THE FIRE ALARM TELEGRAPH SYSTEM IN THE BOROUGH OF RICHMOND.

The time for the completion of the work and the full performance of the contract is by or before thirty (30) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Fire Department, 157 and 159 East 67th street, Manhattan.

JOSEPH JOHNSON, Fire Commissioner.

See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, 157 AND 159 EAST 67TH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m., on

TUESDAY, DECEMBER 12, 1911,

1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR ESTABLISHING AND EQUIPPING AN EXTENSION OF THE UNDERGROUND FIRE ALARM TELEGRAPH SYSTEM IN THE BOROUGH OF MANHATTAN AND BROOKLYN.

The time for the completion of the work and the full performance of the contract is sixty (60) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Fire Department, 157 and 159 East 67th street, Manhattan.

JOSEPH JOHNSON, Fire Commissioner.

See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, 157 AND 159 E. 67TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on

MONDAY, DECEMBER 11, 1911,

Borough of The Bronx.
No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE ERECTION AND COMPLETION OF A NEW BUILDING FOR AN ENGINE AND A HOOK AND LADDER COMPANY ON THE SOUTHWEST CORNER OF BAILEY AVE. AND ALBANY ROAD, BOROUGH OF THE BRONX.

The time allowed for the erection and completion of the building is one hundred and fifty (150) working days.

The surety required will be fifty per cent. (50%) of the amount of the bid or estimate.

The contract will be awarded at a lump or aggregate sum.

Borough of Richmond.
No. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE ERECTION AND COMPLETION OF A NEW BUILDING FOR AN ENGINE COMPANY ON THE SOUTHWEST CORNER OF SARAH ANN AND HANNAH STS., TOMPKINSVILLE, BOROUGH OF RICHMOND.

The time allowed for the erection and completion of the building is one hundred and fifty (150) working days.

The surety required will be fifty per cent. (50%) of the amount of the bid or estimate.

The contract will be awarded at a lump or aggregate sum.

Borough of Brooklyn.
No. 3. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE ERECTION AND COMPLETION OF A NEW BUILDING FOR AN ENGINE COMPANY ON EASTFRLY SIDE OF 7TH AVE., 75 FEET SOUTH OF 50TH ST., BOROUGH OF BROOKLYN.

The time allowed for the erection and completion of the building is one hundred and fifty (150) working days.

The surety required will be fifty per cent. (50%) of the amount of the bid or estimate.

The contract will be awarded at a lump or aggregate sum.

No. 4. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE ERECTION AND COMPLETION OF A NEW BUILDING FOR AN ENGINE COMPANY AT 528 KNICKERBOCKER AVE., BOROUGH OF BROOKLYN.

The time allowed for the erection and completion of the building is one hundred and fifty (150) working days.

The surety required will be fifty per cent. (50%) of the amount of the bid or estimate.

The contract will be awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of Hoppin & Koen, architects, 244 5th ave., or at the office of the Fire Department, 157 and 159 E. 67th st., Manhattan.

JOSEPH JOHNSON, Fire Commissioner.

See General Instructions to Bidders on the last page, last column, of the "City Record."

CHANGE OF GRADE DAMAGE COMMISSION.

TWENTY-THIRD AND TWENTY-FOURTH WARDS.

PURSUANT TO THE PROVISIONS OF chapter 537 of the Laws of 1893 and the acts amendatory thereof and supplemental thereto, notice is hereby given that meetings of the Commissioners appointed under said acts will be held at the office of the Commission, Room 223, 280 Broadway (Stewart Building), Borough of Manhattan, New York City, on Mondays, Tuesdays and Thursdays of each week, at 2 o'clock p. m., until further notice.

Dated New York City, July 26, 1911.
WILLIAM D. DICKEY, CAMBRIDGE LIVINGSTON, DAVID ROBINSON, Commissioners.
LAMONT McLAUGHLIN, Clerk.

THE COLLEGE OF THE CITY OF NEW YORK.

THE COLLEGE OF THE CITY OF NEW YORK, 139TH ST. AND ST. NICHOLAS TERRACE, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Trustees of the College of The City of New York at 17 Lexington ave., until 12 m., on

TUESDAY, DECEMBER 10, 1911,

FOR FURNISHING ALL THE LABOR AND MATERIAL NECESSARY FOR MISCELLANEOUS PRINTING AND DELIVERING SAME.

The time for the performance of the contract is on or before the expiration of thirty (30) consecutive working days.

The amount of security shall be fifty (50%) per centum of the amount of the bid or estimate, except as otherwise provided in the specifications. Bids will be received on any or all items per thousand, page, hundred or other unit of measurement by which the bids will be tested. The bids will be compared and the awards made, if made, by items.

A copy of the contract and specifications, bid sheet and envelope in which to inclose the bid may be obtained upon application therefor at the office of the Curator of the College, Room 114, Main Building, The College of The City of New York, 139th st. and St. Nicholas terrace, Borough of Manhattan, The City of New York.

THEODORE F. MILLER, Chairman; JAMES W. HYDE, Secretary; BERNARD M. BARUCH, FREDERICK P. BELLAMY, JAMES BYRNE, WM. HENRY CORBITT, LEE KOHNS, WILLIAM F. MCCOMBS, MOSES J. STROOCK, EGERTON L. WINTHROP, JR., Board of Trustees.

Dated Borough of Manhattan, December 7, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

THE COLLEGE OF THE CITY OF NEW YORK, 139TH ST. AND ST. NICHOLAS TERRACE, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Trustees of the College of The City of New York at 17 Lexington ave., until 12 m., on

TUESDAY, DECEMBER 10, 1911,

FOR FURNISHING AND DELIVERING SUPPLIES AS FOLLOWS:
CLASS A—CHEMICALS.
CLASS B—CHEMICAL APPARATUS.
CLASS C—ELECTRICAL.
CLASS D—JANITORIAL, ENGINEER AND MISCELLANEOUS.

The time allowed for the delivery of the supplies herein scheduled and for the performance of the contract is 180 calendar days for importations and 60 calendar days for domestic supplies after the execution of the contract, the endorsement thereon of his certificate by the Comptroller, and the receipt by the contractor of a written order to deliver from the Curator of the College.

The amount of security shall be fifty (50) per centum of the amount of the bid or estimate except as otherwise provided in the specifications. Bids will be received on any or all items per pound, dozen, gross or other unit of measurement by which the bids will be tested. The bids will be compared and the awards made, if made, by items.

Bidders must submit their bids or estimates upon the blank form prepared by the Board of Trustees. A copy of this form with an envelope in which to enclose the bid, together with a copy of the contract and specifications, in the form approved by the Corporation Counsel, may be obtained upon application therefor at the office of the Curator, Room 114, Main Building, The College of The City of New York, 139th st. and St. Nicholas terrace, Borough of Manhattan.

THEODORE F. MILLER, Chairman; JAMES W. HYDE, Secretary; BERNARD M. BARUCH, FREDERICK P. BELLAMY, JAMES BYRNE, WM. HENRY CORBITT, LEE KOHNS, WILLIAM F. MCCOMBS, MOSES J. STROOCK, EGERTON L. WINTHROP, JR., Board of Trustees.

Dated Borough of Manhattan, December 7, 1911.

See General Instructions to Bidders on the last page, last column, of the "City Record."

SUPREME COURT—FIRST DEPARTMENT.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of BLONDELL AVENUE from Barlow street to Westchester avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York, as shown upon a map or plan adopted by the Board of Estimate and Apportionment February 23, 1911, and approved by the Mayor March 6, 1911.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, First Department, bearing date the 2d day of December, 1911, and duly entered and filed in the office of the Clerk of the County of New York on the 5th day of December, 1911, James F. Donnelly, John M. Ruhl and William G. Fisher were appointed Commissioners of Estimate in the above-entitled proceeding, and that in and by the said order James F. Donnelly was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statutes in such cases made and provided, the said James F. Donnelly, John M. Ruhl and William G. Fisher will attend at a Special Term, Part II, of the Supreme Court of the State of New York, First Department, to be held at the County Court House in the Borough of Manhattan, in the City of New York, on the 21st day of December, 1911, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel or by any other person having an interest in the said proceeding, as to their qualifications to act as such Commissioners in the above-entitled proceeding.

New York, December 9, 1911.
ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever

the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of KINSELLA STREET, between Matthews (Rose) avenue and Bear Swamp road, and of VAN NEST (COLUMBUS) AVENUE, between West Farms road and Bear Swamp road, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, First Department, bearing date the 2d day of December, 1911, and duly entered and filed in the office of the Clerk of the County of New York on the 5th day of December, 1911, Max Bendit, John L. Goldwater and John J. Mackin were appointed Commissioners of Estimate in the above-entitled proceeding, and that in and by the said order Max Bendit was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statutes in such cases made and provided, the said Max Bendit, John L. Goldwater and John J. Mackin will attend at a Special Term, Part II, of the Supreme Court of the State of New York, First Department, to be held at the County Court House in the Borough of Manhattan, in the City of New York, on the 21st day of December, 1911, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel, or by any other person having an interest in the said proceeding, as to their qualifications to act as such Commissioners in the above-entitled proceeding.

Dated New York, December 9, 1911.
ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of WHITE PLAINS ROAD, from a point near old Unionport road to a point near Thwaites place, and to the area between Bronx Park East and White Plains road south of the northerly line of Bear Swamp road, which has not heretofore been legally acquired, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, First Department, bearing date the 2d day of December, 1911, and duly entered and filed in the office of the Clerk of the County of New York on the 5th day of December, 1911, Fred C. Hunter, Dominick L. O'Reilly and Martin F. Huberth were appointed Commissioners of Estimate in the above-entitled proceeding, and that in and by the said order Dominick L. O'Reilly was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statutes in such cases made and provided, the said Fred C. Hunter, Dominick L. O'Reilly and Martin F. Huberth will attend at a Special Term, Part II, of the Supreme Court of the State of New York, First Department, to be held at the County Court House in the Borough of Manhattan, in the City of New York, on the 21st day of December, 1911, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel, or by any other person having an interest in the said proceeding, as to their qualifications to act as such Commissioners in the above-entitled proceeding.

Dated New York, December 9, 1911.
ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and widening of WEST FARMS ROAD (although not yet named by proper authority), from the Bronx River to Westchester Creek, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above-entitled matter will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III, to be held in the County Court House in the Borough of Manhattan in the City of New York, on the 14th day of December, 1911, at 10.30 o'clock in forenoon of that day; and that the said final report has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of five days, as required by law.

Dated Borough of Manhattan, New York, December 8, 1911.
JAMES F. DONNELLY, GEO. P. BAISLEY, W. H. BIRCHALL, Commissioners of Estimate and Assessment.
JOEL J. SQUIER, Clerk.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of WEST ONE HUNDRED AND SIXTY-EIGHTH STREET, from Amsterdam avenue to Jumel place, in the Twelfth Ward, Borough of Manhattan, 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, First Department, at a Special Term thereof, to be held in Part III, thereof, in and for the County of New York, in the County Court-house, in the Borough of Manhattan, City of New York, on the 19th day of December, 1911, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title in fee by The City of New York for the use of the public to all the lands and premises, together with the buildings thereon and the appurtenances thereto belonging, required for the opening and extending of West 168th street, from Amsterdam avenue to Jumel place, in the Twelfth Ward, Borough of Manhattan, City of New York, being the following-described pieces or parcels of land, viz.:

Beginning at a point on the easterly line of Amsterdam avenue, distant 111.12 feet north of the northerly line of West 167th street, as this

street is laid out east of Amsterdam avenue; thence easterly and at right angles to the line of Amsterdam avenue, distant 200 feet to the westerly line of Jumel place; thence northerly along the line of Jumel place, distant 75 feet; thence westerly and parallel to the last course but one; distant 200 feet to the easterly line of Amsterdam avenue; thence southerly along the line of Amsterdam avenue, distance 75 feet to the point or place of beginning.

This land is located in Section 8, Block No. 2112 of the Land Map of the Borough of Manhattan, City of New York.

The Board of Estimate and Apportionment on the 29th day of June, 1911, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

Beginning at a point on the westerly line of Amsterdam avenue distant 75 feet southerly from its intersection with the southerly line of West 168th street, and running thence westwardly and parallel with West 168th street to the intersection with a line distant 100 feet westerly from and parallel with the westerly line of Amsterdam avenue, the said distance being measured at right angles to Amsterdam avenue; thence northwardly along the said line parallel with Amsterdam avenue to a point distant 75 feet northerly from the northerly line of West 168th street, the said distance being measured at right angles to West 168th street; thence eastwardly and parallel with West 168th street to the intersection with the westerly line of Amsterdam avenue; thence eastwardly in a straight line to a point on the easterly line of Amsterdam avenue distant 175 feet northerly from its intersection with the northerly line of West 168th street; thence eastwardly and parallel with West 168th street and its prolongation as laid out adjoining Jumel place, to a point distant 90 feet easterly from the easterly line of Jumel place, the said distance being measured at right angles to Jumel place; thence southwardly and parallel with Jumel place to the intersection with the prolongation of a line distant 125 feet southerly from and parallel with the southerly line of West 168th street, as this street is laid out between Amsterdam avenue and Jumel place, the said distance being measured at right angles to West 168th street; thence westwardly along the said line parallel with West 168th street and along the prolongation of the said line to the intersection with a line midway between Amsterdam avenue and Jumel place; thence northwardly along the said line midway between Amsterdam avenue and Jumel place to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of West 168th street, as this street is laid out between Amsterdam avenue and Jumel place, the said distance being measured at right angles to West 168th street; thence westwardly along the said line parallel with West 168th street to the intersection with the easterly line of Amsterdam avenue; thence westwardly in a straight line to the point or place of beginning.

Dated New York, December 7, 1911.
ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to amending its application heretofore made in the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of the EASTERN BOULEVARD, from the property of the New York, New Haven and Hartford Railroad to Hunts Point road, in the Twenty-fourth Ward, Borough of The Bronx, City of New York, so as to omit from said proceeding that portion of the said Eastern Boulevard, between Truxton street and the property of the New York, New Haven and Hartford Railroad.

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, First Department, at a Special Term, Part III, thereof, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 19th day of December, 1911, at the opening of the Court on that day or as soon thereafter as Counsel can be heard thereon, for an order amending the above-entitled proceeding so as to omit from said proceeding that portion of the said Eastern boulevard between Truxton street and the property of the New York, New Haven and Hartford Railroad.

The land not required for that portion of Eastern boulevard from the property of the New York, New Haven and Hartford Railroad to Hunts Point road, as amended by omitting therefrom that portion between Truxton street and the property of the New York, New Haven and Hartford Railroad in the City of New York, is bounded and described as follows:

Beginning at a point in the northern line of Eastern boulevard (as now being legally acquired) distant 820 feet westerly from the intersection of said line with the western line of Tiffany street.

1. Thence westerly along the northern line of Eastern boulevard (as now being legally acquired) for 840 feet.

2. Thence southerly deflecting 90 degrees to the left for 100 feet.

3. Thence easterly deflecting 90 degrees to the left for 840 feet.

4. Thence northerly for 100 feet to the point of beginning.

Land not required for Eastern boulevard is shown on Section 4 of the Final Maps and Profiles of the Twenty-third and Twenty-fourth Wards, filed in the office of the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of The City of New York, on July 8, 1893, in the office of the Register of the City and County of New York on July 12, 1893, as Map No. 355, and in the office of the Secretary of State of the State of New York on July 18, 1893.

Land not required for Eastern boulevard is located in Block 2606 of Section 10 of the Land Map of The City of New York.

By a resolution adopted by the Board of Estimate and Apportionment on the 20th day of April, 1911, the area of assessment for benefit in this amended proceeding is fixed and determined by the said Board to read as follows:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Randall avenue, and by the prolongation of the said line, the said distance being measured at right angles to Randall avenue; on the east by a line midway between Halleck street and Payne street; on the south by a line distant 100 feet southerly from and parallel with the southerly line of East Bay avenue and by the prolongation of the said line, the said distance being measured at right angles to East Bay avenue; and on the west by a line midway between Barry street and Dupont street, and by the prolongation of the said line.

Dated New York, December 7, 1911.
ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, corner of Centre and Chambers streets, Borough of Manhattan, City of New York.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever

the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of GILBERT PLACE, from Hunts Point road to Faile street, in the Twenty-third Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court House in the Borough of Manhattan, in the City of New York, on the 20th day of December, 1911, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by law.

Dated Borough of Manhattan, New York, December 7, 1911.
LOUIS D. GIBBS, MAX BENDIT, JAMES F. DONNELLY, Commissioners of Estimate; MAX BENDIT, Commissioner of Assessment.
JOEL J. SQUIER, Clerk. d7,18

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of RICHARD STREET, although not yet named by proper authority, from the Bronx and Pelham Parkway to Morris street, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

In re applications for damages to lots Nos. 27, 40, 41, 42, 43 and 44 on map of Thwaite's estate, caused by the closing and discontinuance of Thwaite's place; in re application for damages to lots Nos. 1201, 1202 and 1217 on map of property belonging to Peter Lorillard, deceased, caused by the closing and discontinuance of Elliott avenue.

We, the Commissioners of Estimate and Assessment in the above-entitled proceeding, having been directed as follows:

First—By order bearing date the 19th day of June, 1907, and entered in the office of the Clerk of the County of New York on the 19th day of June, 1907, to ascertain and determine the compensation which should be justly made to Charles B. Galvin under, by and in consequence of the closing and discontinuance of Thwaite's place in front of and adjoining petitioner's lot No. 27 on the map of Thwaite's estate.

Second—By order bearing date the 25th day of April, 1907, and entered in the office of the Clerk of the County of New York on the 29th day of April, 1907, to ascertain and determine the compensation which should be justly made to Mary J. Fitzsimmons under, by and in consequence of the closing and discontinuance of Thwaite's place in front of and adjoining petitioner's lot No. 40 on the map of Thwaite's estate.

Third—By order bearing date the 25th day of April, 1907, and entered in the office of the Clerk of the County of New York on the 29th day of April, 1907, to ascertain and determine the compensation, which should be justly made to William J. Galvin under, by and in consequence of the closing and discontinuance of Thwaite's place in front of and adjoining petitioner's lot No. 41 on the map of Thwaite's estate.

Fourth—By order bearing date the 25th day of April, 1907, and entered in the office of the Clerk of the County of New York on the 29th day of April, 1907, to ascertain and determine the compensation which should be justly made to Ester M. T. Galvin under, by and in consequence of the closing and discontinuance of Thwaite's place in front of and adjoining petitioner's lots Nos. 42, 43 and 44 on the map of Thwaite's estate.

Fifth—By order bearing date the 1st day of July, 1907, and entered in the office of the Clerk of the County of New York on the 1st day of July, 1907, to ascertain and determine the compensation, if any, which should be made to Frank McGarry, by reason of the closing, discontinuance and abandonment of Elliott avenue, in front of and adjoining petitioner's lots Nos. 1201, 1202 and 1217.

All the foregoing premises are more particularly described in the petitions on which the said orders were based and filed therewith in the office of the Clerk of the County of New York and are shown on the damage map attached to our abstract of estimate and assessment.

And having also by the provisions of Chapter 1005 of the Laws of 1895 to ascertain and determine the benefit and advantage to the lands, tenements, hereditaments and premises which shall be benefited by the discontinuance, closing and abandonment of the aforesaid Thwaite's place and Elliott avenue.

We, therefore, the undersigned 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:

Sixth—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, 90 and 92 West Broadway, in the Borough of Manhattan, in the City of New York, on or before the 27th day of December, 1911, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at their said office on the 29th day of December, 1911, at 2 o'clock p. m.

Seventh—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 29th day of December, 1911.

Eighth—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of The Bronx, in the City of New York, and being all that part of old Thwaite's place lying in the block south of Thwaite's place and between Bronx Boulevard (Bronx Park East) and Barker avenue. All that part of old Thwaite's place lying in the block north of Thwaite's place and between Richard street and Barker avenue, and all that part of old Thwaite's place lying in the block south of Thwaite's place and between Richard street and White Plains road.

All that part of Elliott avenue lying in the block bounded by Wilgus street (Bridge street), Barker avenue, Adea avenue (King street) and White Plains road.

Ninth—That, provided there be no objections filed to either of said abstracts, our final report herein will be presented for confirmation to the

Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III, to be held in the County Court House in the Borough of Manhattan, in the City of New York, on the 15th day of February, 1912, at the opening of the Court on that day.

Tenth—In case, however, objections are filed to either of said abstracts of estimate and assessment, the notice of motion to confirm our final report herein will stand adjourned to the date to be hereafter specified, and of which notice will be given to all those who have theretofore appeared in this proceeding, as well as by publication in the City Record, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 24, 1911.
TIMOTHY E. COHALAN, JOHN L. GOLDWATER, E. MORTIMER BOYLE, Commissioners.
JOEL J. SQUIER, Clerk. d7,23

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of DAVIDSON AVENUE, from Grand avenue to West 177th street; of GRAND AVENUE, from Macombs road to Tremont avenue; of WEST ONE HUNDRED AND SEVENTY-SIXTH STREET, from Macombs road to Jerome avenue; and of WEST ONE HUNDRED AND SEVENTY-SEVENTH STREET, from Jerome avenue to Tremont avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, First Department, bearing date the 2d day of December, 1911, and duly entered and filed in the office of the Clerk of the County of New York on the 4th day of December, 1911, Edward Lane was appointed a Commissioner of Estimate in the above-entitled proceeding in the place and stead of Thomas R. Lane, deceased.

Notice is further given that, pursuant to the said order duly entered and filed in the office of the Clerk of the County of New York on the 4th day of December, 1911, the said Edward Lane will attend at a Special Term, Part II, of the Supreme Court of the State of New York, First Department, to be held at the County Court House in the Borough of Manhattan, in the City of New York, on the 18th day of December, 1911, at the opening of court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel of The City of New York, or any other person having any interest in the said proceeding, as to his qualifications to act as such Commissioner of Estimate in the above-entitled proceeding.

Dated New York, December 6, 1911.
ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York. d6,16

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the widening of WEST TWO HUNDRED AND SEVENTH STREET, between Tenth avenue and Emerson street, in the Twelfth Ward, Borough of Manhattan, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in the City of New York, on or before the 18th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 20th day of December, 1911, at 1 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in the City of New York, on or before the 18th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 21st day of December, 1911, at 1.30 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 11th day of March, 1910, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Manhattan, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on a line midway between West Two Hundred and Seventh street and West Two Hundred and Eighth street, where it is intersected by a line midway between Ninth avenue and Tenth avenue, and running thence southwardly along the said line midway between Ninth avenue and Tenth avenue to the intersection with a line midway between West Two Hundred and Sixth street and West Two Hundred and Seventh street; thence westwardly along the said line midway between West Two Hundred and Sixth street and West Two Hundred and Seventh street, and along the prolongation of the said line to a point distant 100 feet southwardly from the southwesterly line of Emerson street, the said distance being measured at right angles to Emerson street; thence northwardly and parallel with Emerson street to the intersection with a line midway between Sherman avenue and Vermilyea avenue; thence northwardly along the said line midway between Sherman avenue and Vermilyea avenue to a point distant 100 feet northeasterly from the northeasterly line of Emerson street, the said distance being measured at right angles to Emerson street; thence southwardly and parallel with Emerson street to the intersection with a line parallel with West Two Hundred and Seventh street and passing through the point of beginning; thence eastwardly along the said line parallel with West Two Hundred and Seventh street to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of

Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 20th day of December, 1911.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III, to be held in the County Court House, in the Borough of Manhattan, in the City of New York, on the 25th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 23, 1911.

CHARLES L. HOFFMAN, Chairman; T. O. MCILL, HENRY BRADY, Commissioners of Estimate; CHARLES L. HOFFMAN, Commissioner of Assessment.
JOEL J. SQUIER, Clerk. n27,d14

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of PARKER STREET (avenue), although not yet named by proper authority, from Protectory avenue to Wellington avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in the City of New York, on or before the 15th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 18th day of December, 1911, at 3 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in the City of New York, on or before the 15th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 19th day of December, 1911, at 3 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 15th day of January, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of The Bronx, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the northerly line of Wellington avenue where it is intersected by the prolongation of a line midway between Zerega avenue and Parker street, as these streets are laid out northwardly from Westchester avenue, and running thence southwardly at right angles to Wellington avenue, a distance of 160 feet, thence westwardly and parallel with Wellington avenue to the intersection with a line at right angles to Wellington avenue, and passing through a point on its northerly side where it is intersected by the prolongation of a line midway between Parker street and Glover street; thence northwardly along the said line at right angles to Wellington avenue to its northerly side; thence northwardly along the said line midway between Parker street and Glover street, and along the prolongations of the said line to the intersection with the prolongation of a line midway between St. Raymond avenue and Parker street, as these streets are laid out between Purdy street and Castle Hill avenue; thence westwardly along the said line midway between St. Raymond avenue and Parker street, and along the prolongation of the said line to a point distant 100 feet westerly from the westerly line of Purdy street; thence northwardly and parallel, respectively with Purdy street and Protectory avenue to the intersection with the prolongation of a line distant 250 feet northerly from and parallel with the northerly line of Parker street, as laid out between Protectory avenue and Castle Hill avenue, the said distance being measured at right angles to the line of Parker street; thence eastwardly along the said line parallel with Parker street, and along the prolongation of the said line to the intersection with the prolongation of a line midway between Zerega avenue and Parker street, as these streets are laid out northwardly from Westchester avenue; thence southwardly along the said line midway between Zerega avenue and Parker street and along the prolongations of the said line to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 18th day of December, 1911.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III, to be held in the County Court House in the Borough of Manhattan, in the City of New York, on the 16th day of February, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 22, 1911.

ERNEST HALL, Chairman; DAN'L W. PATTERSON, CHAS. C. MARRIN, Commissioners of Estimate; ERNEST HALL, Commissioner of Assessment.
JOEL J. SQUIER, Clerk. n25,d13

SUPREME COURT—SECOND DEPARTMENT.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of ROBINSON STREET, from Bedford avenue to New York avenue; and WINTHROP STREET, from Nostrand avenue to Remsen avenue, in the Twenty-ninth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL persons interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 27th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 28th day of December, 1911, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 27th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 2d day of January, 1912, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 10th day of April, 1908, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on a line midway between Robinson street and Clarkson avenue distant 100 feet westerly from the westerly line of Bedford avenue, and running thence northwardly and parallel with Bedford avenue to the intersection with a line midway between Winthrop street and Robinson street; thence eastwardly along the said line midway between Winthrop street and Robinson street to a point distant 100 feet westerly from the westerly line of Nostrand avenue; thence northwardly and parallel with Nostrand avenue to the intersection with a line midway between Hawthorne street and Winthrop street; thence eastwardly along the said line midway between Hawthorne street and Winthrop street to a point distant 100 feet westerly from the westerly line of New York avenue; thence northwardly and parallel with New York avenue to the intersection with a line midway between Fenimore street and Hawthorne street; thence eastwardly along the said line midway between Fenimore street and Hawthorne street, and the prolongation of the said line to the intersection with the southwesterly line of Remsen avenue; thence northwardly at right angles to the line of Remsen avenue a distance of 200 feet; thence southeastwardly and parallel with Remsen avenue to the intersection with a line at right angles to Remsen avenue and passing through a point on the southwesterly line of Remsen avenue where it is intersected by the prolongation of a line midway between Winthrop street and Clarkson avenue; thence southwardly along the said line at right angles to Remsen avenue to the southwesterly line of Remsen avenue; thence westwardly along the said line midway between Winthrop street and Clarkson avenue, and the prolongation of the said line to a point distant 100 feet easterly from the easterly line of New York avenue; thence southwardly and parallel with New York avenue to the intersection with the prolongation of a line midway between Robinson street and Clarkson avenue; thence westwardly along the said line midway between Robinson street and Clarkson avenue and the prolongation of the said line to the point or place of beginning.

Fourth—That the abstract of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 8th day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in the City of New York, on the 30th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 8, 1911.

JOHN M. ZURN, Chairman; JOHN E. BURNS, DAVID J. HOGAN, Commissioners of Estimate; JOHN M. ZURN, Commissioner of Assessment.
EDWARD RIEGELMANN, Clerk. d8,26

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of THIRTEENTH AVENUE (although not yet named by proper authority), from Jackson avenue to Flushing avenue, in the First Ward, Borough of Queens, in 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, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in the City of New York, on or before the 27th day of December, 1911, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 27th day of December, 1911, at 2 o'clock p. m.

Second—That the abstracts of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in said City, there to remain until the 27th day of December, 1911.

Third—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate lying and being in the Borough of Queens, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the intersection of the northerly line of Jackson avenue with the centre line of the blocks between 13th avenue and 12th avenue, and running thence northerly along said centre line to the southerly line of Flushing avenue; thence easterly along the southerly line of Flushing avenue to its intersection with the centre line of the blocks between 13th avenue and 14th avenue; thence southerly along said last mentioned centre line to its intersection with the northerly line of Jackson avenue; thence westerly along said northerly line of Jackson avenue to the point or place of beginning.

Fourth—That, provided there be no objections filed to either of said abstracts, our final report herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in the City of New York, on the 15th day of February, 1912, at the opening of the Court on that day.

Fifth—In case, however, objections are filed to any of said abstracts of estimate and assessment, the notice of motion to confirm our final report herein will stand adjourned to the date to be hereafter specified, and of which notice will be given to all those who have theretofore appeared in this proceeding, as well as by publication in the City Record, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 28, 1911.

JOHN T. ROBINSON, Chairman; W. J. HAMILTON, Commissioners.
JOSEPH J. MYERS, Clerk. d7,23

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of SIXTY-FOURTH STREET, from Fourth avenue to Fifth avenue, in the Thirtieth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate and Assessment, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 27th day of December, 1911, at 3 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 28th day of December, 1911, at 3 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 1st day of July, 1910, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the southeasterly side of Fourth avenue where the same is intersected by the centre line of the block between Sixty-fourth street and Sixty-third street; running thence southeasterly and along the said centre line to a point distant one hundred feet southeasterly from the southeasterly side of Fifth avenue; running thence southeasterly and parallel with Fifth avenue to the centre line of the block between Sixty-fourth and Sixty-fifth streets; running thence northwesterly and along said centre line of the block to the southeasterly side of Fourth avenue; running thence northeasterly and along the southeasterly side of Fourth avenue to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 5th day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in the City of New York, on the 29th day of January, 1912, at the opening of the Court on that day.

the 29th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 6, 1911.

FRANK HARVEY FIELD, Chairman; KEM SEN JOHNSON, CHARLES S. SIMPKINS, Commissioners of Estimate.

FRANK HARVEY FIELD, Commissioner of Assessment.
EDWARD RIEGELMANN, Clerk. d6,22

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of AVENUE M, from Flatbush avenue to Ralph avenue, in the Thirty-second Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 27th day of December, 1911, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 28th day of December, 1911, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 23d day of April, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the northeasterly line of Flatbush avenue where it is intersected by the prolongation of a line midway between Avenue L and Avenue M as these streets are laid out between East 45th street and Ralph avenue; and running thence easterly along the said line midway between Avenue L and Avenue M, and along the prolongations of the said line to a point distant 100 feet easterly from the easterly line of Ralph avenue; thence southerly and parallel with Ralph avenue to the intersection with the prolongation of a line midway between Avenue M and Avenue N, as these streets are laid out between Flatbush avenue and Ralph avenue; thence westwardly along the said line midway between Avenue M and Avenue N, and along the prolongations of the said line, to the intersection with a line distant 100 feet southwesterly from and parallel with the southerly line of Flatbush avenue, the said distance being measured at right angles to Flatbush avenue; thence northwesterly and parallel with Flatbush avenue to the intersection with a line at right angles to Flatbush avenue and passing through the point of beginning; thence northwesterly along the said line at right angles to Flatbush avenue to the point or place of beginning.

Fourth—That the abstract of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 5th day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in the City of New York, on the 29th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 6, 1911.

EDWIN L. GARVIN, Chairman; HARRY J. ROSENSON, WM. MCKINNEY, Commissioners of Estimate; EDWIN L. GARVIN, Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. d6,22

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of THE TRIANGULAR PUBLIC PLACE bounded by Bushwick avenue, Myrtle avenue and Willoughby avenue, in the Twenty-seventh Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 27th day of December, 1911, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 28th day of December, 1911, at 11 o'clock a. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 17th day of December, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the northeasterly side of Bushwick avenue midway between the southeasterly side of Willoughby avenue and the northwesterly side of Suydam street, and running thence northwesterly on a line parallel with Suydam street to its intersection with a line drawn at right angles to the southerly side of Myrtle avenue from a point 100 feet east of the intersection of the southeasterly side of Myrtle avenue with the southerly side of Myrtle avenue; thence northwesterly along the said line at right angles to the southerly side of Myrtle avenue to a point 100 feet east of the southeasterly side of Willoughby avenue; beginning again at a point on the northwesterly side of Willoughby avenue distant 100 feet northeastwardly from the northeasterly side of Charles place and running thence northwesterly on a line parallel with Charles place a distance of 100 feet; thence southwesterly on a line parallel with Willoughby avenue and 100 feet distant therefrom and the prolongation of the said line to the southwesterly side of Charles place; thence westwardly on a line parallel with the northerly side of Myrtle avenue to the northeasterly side of Bushwick avenue; beginning again on the southerly side of Myrtle avenue at a point midway between the southeasterly side of Bushwick avenue and the southeasterly side of Dimars avenue and running thence southwardly on a line at right angles to Myrtle avenue, to its intersection with a line 100 feet southwest of the southwesterly side of Bushwick avenue and parallel therewith; thence southeasterly along the said line 100 feet southwest of the southwesterly side of Bushwick avenue and parallel therewith to a point midway between the southeasterly side of Willoughby avenue and the northwesterly side of Suydam street; thence northwesterly on a line midway between Willoughby avenue and Suydam street to the southwesterly side of Bushwick avenue.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 5th day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in the City of New York, on the 29th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 6, 1911.

EDMUND D. HENNESSY, Chairman; JAMES J. DEASY, SOLON BARBANELL, Commissioners of Estimate.

EDMUND D. HENNESSY, Commissioner of Assessment.
EDWARD RIEGELMANN, Clerk. d6,22

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of WHITE STREET, from Cook street to McKibbin street, in the Eighteenth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 27th day of December, 1911, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 28th day of December, 1911, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 21st day of May, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the north by the centre line of McKibbin street; on the east by a line distant 225 feet easterly from and parallel with the easterly line of White street, the said distance being measured at right angles to White street; and by the prolongation of the said line; on the south by the centre line of Cook street; and on the west by a line distant 225 feet westerly from and parallel with the westerly line of White street, the said distance being measured at right angles to White street and by the prolongation of the said line.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 5th day of January, 1912.

hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the north by the centre line of McKibbin street; on the east by a line distant 225 feet easterly from and parallel with the easterly line of White street, the said distance being measured at right angles to White street; and by the prolongation of the said line; on the south by the centre line of Cook street; and on the west by a line distant 225 feet westerly from and parallel with the westerly line of White street, the said distance being measured at right angles to White street and by the prolongation of the said line.

Fifth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 5th day of January, 1912.

Sixth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in the City of New York, on the 29th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 6, 1911.

JOHN C. JUDGE, Chairman; IRA L. ROSENSEN, JOHN C. MCGROARTY, Commissioners of Estimate.

JOHN C. JUDGE, Commissioner of Assessment.
EDWARD RIEGELMANN, Clerk. d6,22

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of SIXTY-FIRST STREET, from Fort Hamilton avenue to 18th avenue, excluding the land lying within the lines of said street occupied by the Brooklyn, Bath and West End Railroad Company and the Long Island Railroad Company, in the Thirtieth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 27th day of December, 1911, at 3 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 26th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 28th day of December, 1911, at 3 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 21st day of October, 1910, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the northeast by a line midway between 60th street and 61st street as these streets were laid out immediately prior to June 17, 1910; on the southeast by a line distant 100 feet southeasterly from and parallel with the southeasterly line of 18th avenue; on the southwest by a line midway between 61st street and 62d street as these streets were laid out prior to June 17, 1910; and on the northwest by a line distant 100 feet northwesterly from and parallel with the northwesterly line of Fort Hamilton avenue.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 5th day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in the City of New York, on the 29th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing amended abstracts of estimate and assessment, or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 6, 1911.

M. J. MCGOLDRICK, Chairman; CHAS. L. BERGMAN, WM. H. SWARTWOUT, Commissioners of Estimate; M. J. MCGOLDRICK, Commissioner of Assessment.
EDWARD RIEGELMANN, Clerk. d6,16

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of CHAUNCEY STREET, from Hoyt avenue to Winthrop avenue, and GOODRICH STREET, between Flushing and Winthrop avenues, in the First Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, in the Municipal Building, Court House square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 26th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 28th day of December, 1911, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, in the Municipal Building, Court House square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 26th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 29th day of December, 1911, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 8th day of February, 1907, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point 100 feet northeast of the northeasterly line of Winthrop avenue in the prolongation of a line midway between Chauncey street and Lawrence street, and running northwesterly on a line 100 feet northeast of the northeasterly side of Winthrop avenue and parallel therewith to a point in the prolongation of a line midway between Goodrich street and Merchant street; thence southwestwardly on a line midway between the northeasterly side of Merchant street and the prolongation of said line to its intersection with a line 100 feet south of the southerly side of Flushing avenue and parallel therewith; thence eastwardly along the said line 100 feet south of the southerly side of Flushing avenue and parallel therewith to its intersection with the prolongation of a line midway between the southeasterly side of Chauncey street and the northeasterly side of Lawrence street; thence northwesterly along the said line midway between the southeasterly side of Chauncey street and the northeasterly side of Lawrence street and the prolongation thereof to its intersection with a line 100 feet northeast of the northeasterly side of Winthrop avenue, the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, in the Municipal Building, Court House square, in the Borough of Queens, in said City, there to remain until the 28th day of December, 1911.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 15th day of February, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, June 16, 1911.

AUGUST REYMERT, Chairman; LUKE OTTEN, THOMAS H. MULHOLLAND, Commissioners of Estimate.

LUKE OTTEN, Commissioner of Assessment.

JOSEPH J. MYERS, Clerk. d5,21

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of HEBERTON AVENUE, between a line about 188 feet north of Ann street and Richmond terrace, in the Third Ward, Borough of Richmond, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 26th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 28th day of December, 1911, at 1 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby,

having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 26th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 29th day of December, 1911, at 1:30 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 1st day of July, 1910, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Richmond, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on a line midway between Heberton avenue and Broadway, where it is intersected by a line at right angles to Richmond terrace, and passing through a point on its westerly side midway between Heberton avenue and Broadway, as measured along the westerly line of Richmond terrace, and running thence northwesterly along the said line at right angles to Richmond terrace to a point distant 100 feet easterly from its easterly side; thence southwesterly and always parallel with Richmond terrace to the intersection with a line bisecting the angle formed by the intersection of the easterly line of Heberton avenue with the northerly line of the Bennett street; thence southwesterly along the said bisecting line to a point distant 100 feet easterly from the easterly line of Heberton avenue, the said distance being measured at right angles to Heberton avenue, thence southwesterly and parallel with Heberton avenue to the intersection with a line bisecting the angle formed by the intersection of the prolongation of the easterly line of Heberton avenue, as laid out adjoining Bennett street, with the westerly line of Cottage place; thence southwesterly along the said bisecting line to the intersection with the prolongation of a line midway between Heberton avenue and Washington place; thence southwesterly along the said line midway between Heberton avenue and Washington place, and along the prolongation of the said line, to the intersection with the prolongation of a line midway between Heberton avenue and Decker avenue, as these streets are in use adjoining St. Mary's avenue and Catherine street, respectively; thence southwesterly along the said line midway between Heberton avenue and Decker avenue, and along the prolongation of the said line, to the intersection with the prolongation of the southerly line of St. Mary's avenue; thence westwardly along the southerly line of St. Mary's avenue, and the prolongation thereof, to the intersection with a line midway between Richmond avenue and Heberton avenue; thence northwardly along a line always midway between Richmond avenue and Heberton avenue to the intersection with a line midway between Mersereau avenue and Albion place; thence eastwardly along the said line midway between Mersereau avenue and Albion place to the intersection with the prolongation of a line midway between Broadway and Heberton avenue; thence northwardly along a line always midway between Broadway and Heberton avenue, and along the prolongation thereof, to the point or place of beginning.

(The lines of the streets herein referred to and which have not yet been formally incorporated upon the City map are intended to be those now in use and as commonly recognized.)

Fourth—That the abstract of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 28th day of December, 1911.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 8th day of February, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 28, 1911.

HARRY TIERNAN, Chairman; DANIEL L. DRISCOLL, EDWARD SLATE, Commissioners of Estimate; J. HARRY TIERNAN, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. d4,20

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of SHEFFIELD AVENUE, from Livonia avenue to New Lots avenue, in the Twenty-sixth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 20th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 21st day of December, 1911, at 11 o'clock a. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 20th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 22d day of December, 1911, at 11 o'clock a. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the

area of assessment for benefit by the Board of Estimate and Apportionment on the 4th day of June, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on a line midway between Georgia avenue and Sheffield avenue, distant 100 feet northerly from the northerly line of Livonia avenue, and running thence eastwardly and parallel with Livonia avenue, to a line midway between Sheffield avenue and Pennsylvania avenue; thence southwardly along the said line midway between Sheffield avenue and Pennsylvania avenue to the northerly line of New Lots avenue; thence southwardly at right angles to New Lots avenue a distance of 170 feet; thence westwardly and parallel with New Lots avenue to a line at right angles to New Lots avenue, and passing through a point on its northerly side midway between Georgia avenue and Sheffield avenue; thence northwardly along the said line at right angles to New Lots avenue to its northerly side; thence northwardly along a line midway between Sheffield avenue and Georgia avenue to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 2d day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 24th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 1, 1911.

GEORGE A. STEVES, WALTER F. CLAYTON, Chairman; JOHN H. ELLIOTT, Commissioners of Estimate; GEORGE A. STEVES, Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. d1,18

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of RALPH AVENUE, from Eastern Parkway to East Ninety-eighth street; UNION STREET, from East New York avenue to East Ninety-eighth street; TAPSCOTT STREET, from East New York avenue to East Ninety-eighth street; HOWARD AVENUE, from East New York avenue to East Ninety-eighth street; GRAFTON STREET, from Sutter avenue to East Ninety-eighth street, in the Twenty-fourth, Twenty-sixth, Twenty-ninth and Thirty-second Wards, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 20th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 21st day of December, 1911, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 20th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 22d day of December, 1911, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 10th day of April, 1908, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the southwesterly line of East 98th street where it is intersected by a line distant 100 feet westerly from and parallel with the westerly line of Ralph avenue, the said distance being measured at right angles to the line of Ralph avenue, and running thence northwardly along the said line parallel with Ralph avenue to the intersection with a line which bisects the angle formed between the centre lines of East 98th street and Ralph avenue as these streets are laid out south of East New York avenue; thence northwesterly along the said bisecting line to the intersection with a line midway between Union street and President street; thence westwardly along the said line midway between Union street and President street to the intersection with a line midway between Ralph avenue and Buffalo avenue as these streets are laid out north of East New York avenue; thence northwardly along the said line midway between Ralph avenue and Buffalo avenue to a point distant 100 feet northerly from the northerly line of Eastern parkway; thence eastwardly along a line parallel with Eastern parkway to the intersection with a line midway between Ralph avenue and Howard avenue, as the said streets are laid out north of Eastern parkway; thence southwardly along the said line midway between Ralph avenue and Howard avenue to the intersection with a line distant 100 feet northwesterly from and parallel with the northwesterly line of East New York avenue, the said distance being measured at right angles to the line of East New York avenue; thence northwardly along the said line parallel with East New York avenue to the intersection with a line at right angles to

East New York avenue, passing through a point on the southerly line of Pitkin avenue midway between Grafton street and Barrett street; thence southeastwardly along the said line at right angles to East New York avenue to the southerly line of Pitkin avenue; thence southwardly along a line midway between Grafton street and Barrett street to the northeasterly line of East 98th street; thence southwestwardly at right angles to East 98th street to a point distant 100 feet southwesterly from the southwesterly line of East 98th street; thence northwesterly along a line parallel with East 98th street and always distant 100 feet therefrom to the intersection with a line at right angles to East 98th street passing through the point of beginning; thence northwesterly along the said line at right angles to East 98th street to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 2d day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 24th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 1, 1911.

ARNOLD I. SQUIERS, Chairman; M. V. DORNEY, EDWARD LYONS, Commissioners of Estimate; ARNOLD I. SQUIERS, Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. d1,18

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of A NEW DIAGONAL STREET, from Jackson avenue, opposite the approach to the Blackwells Island Bridge, to the northwesterly boundary of the Sunnyside Yard, and from the southeasterly boundary of the Sunnyside Yard to Thomson avenue, and of VAN DAM STREET, from the new diagonal street to Greenpoint avenue, and of GREENPOINT AVENUE, from Review avenue to Newtown Creek, in the First Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, in the Municipal Building, Court House square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 21st day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 26th day of December, 1911, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, in the Municipal Building, Court House square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 21st day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 27th day of December, 1911, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 6th day of November, 1908, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the point of intersection of the northeasterly bulkhead line of Newtown Creek with the centre line of Dutch Kills Creek, and running thence eastwardly and northwardly along the centre line of Dutch Kills Creek to its intersection with the prolongation of a line midway between Dutch Kills place and Queens place, as laid out south of the Sunnyside Yard; thence northwardly along the said line midway between Dutch Kills place and Queens place and the prolongation thereof to its intersection with the prolongation of a line midway between Dutch Kills street and Queens street, as laid out north of Sunnyside Yard; thence northwardly along the said line midway between Dutch Kills street and Queens street and the prolongation thereof to its intersection with the prolongation of a line 100 feet southwesterly from and parallel with the southwesterly line of Harris avenue, as laid out immediately west of the Crescent, the said distance being measured at right angles to the line of Harris avenue; thence westwardly along the said line parallel with Harris avenue and the prolongation thereof to its intersection with the prolongation of a line midway between the Crescent and William street, as these streets are laid out north of Harris avenue; thence northwardly along the said line midway between the Crescent and William street to its intersection with a line midway between Paynter avenue and Wilbur avenue; thence southeastwardly along the said line midway between Paynter avenue and Wilbur avenue to its intersection with a line midway between Radde street and Academy street; thence northwardly along the said line midway between Radde street and Academy street to its intersection with the prolongation of a line distant 100 feet northwesterly from and parallel with the northeasterly line of South Washington place, the said distance being measured at right angles to the line of South Washington place; thence southeastwardly along the said line parallel with South Washington place to its intersection with the northerly line of Jackson avenue; thence southerly and

parallel with Honeywell street to its intersection with a line distant 850 feet northerly from and parallel with the northerly line of Skillman avenue, as laid out between the new diagonal street and Honeywell street, the said distance being measured at right angles to the line of Skillman avenue; thence eastwardly along the said line parallel with Skillman avenue, as laid out between the new diagonal street and Honeywell street, to its intersection with a line easterly from and parallel with Honeywell street, and passing through a point on the northerly line of Skillman avenue where the said line of Skillman avenue is intersected by the prolongation of a line midway between Hulst street and Van Pelt street; thence southerly and parallel with Honeywell street to its intersection with Skillman avenue; thence southwardly along a line midway between Hulst street and Van Pelt street, and along the prolongation thereof to the northerly bulkhead line of Newtown Creek; thence northwesterly along the northeasterly bulkhead line of Newtown Creek to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, in the Municipal Building, Court House square, in the Borough of Queens, in said City, there to remain until the 26th day of December, 1911.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof for the hearing of motions, to be held in the County Court House, in the Borough of Brooklyn, in the City of New York, on the 23d day of February, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 27, 1911.

JOHN ANDERSON LEACH, Chairman;
GEO. V. TODD, CLIFFORD M. TAPPEN,
Commissioners of Estimate; CLIFFORD M.
TAPPEN, Commissioner of Assessment.
JOSEPH J. MYERS, Clerk. dl,dl8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of EIGHTH AVENUE, from Coney Island Avenue to the former Town line of New Utrecht and Flatbush, in the Twenty-ninth and Thirtieth Wards, Borough of Brooklyn, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above entitled 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 the undersigned, Commissioners of Estimate have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, No. 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 20th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 21st day of December, 1911, at 3 o'clock p. m.

Second—That the undersigned Commissioner of Assessment has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, No. 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 20th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 22d day of December, 1911, at 3 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 2d day of July, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on a line midway between Forty-seventh street and Forty-eighth street where it is intersected by a line midway between Seventeenth avenue and Eighteenth avenue, as these streets are laid out southwesterly from Forty-seventh street, and running thence northwesterly along the said line midway between Seventeenth avenue and Eighteenth avenue, and along the prolongation of the said line, to a point distant 300 feet northerly from the northerly line of Eighteenth avenue as laid out east of Forty-seventh street, the said distance being measured at right angles to Eighteenth avenue; thence eastwardly and parallel with Eighteenth avenue to the intersection with a line midway between Westminster road and Argyle road; thence southwardly along the said line midway between Westminster road and Argyle road to the intersection with the prolongation of a line midway between Webster avenue and Newkirk avenue as these streets are laid out east of Ocean parkway; thence westwardly along a line always midway between Webster avenue and Newkirk avenue, and along the prolongations of said line, to a line midway between Forty-seventh street and Forty-eighth street; thence northwesterly along the said line midway between Forty-seventh street and Forty-eighth street to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, No. 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 2d day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of

Brooklyn, in the City of New York, on the 24th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 1, 1911.
THOMAS H. TROY, HARRIS G. EAMES,
SOLON BARBANELL, Commissioners of Estimate;
THOMAS H. TROY, Commissioner of Assessment.
EDWARD RIEGELMANN, Clerk. dl,dl8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of SHARON STREET, between Olive street and Morgan avenue, in the Eighteenth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above entitled 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 the undersigned, Commissioners of Estimate have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 20th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 21st day of December, 1911, at 11 o'clock a. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 20th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 22d day of December, 1911, at 11 o'clock a. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 7th day of May, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the westerly line of Morgan avenue distant 100 feet northerly from the northerly line of Sharon street, the said distance being measured at right angles to Sharon street, and running thence eastwardly at right angles to Morgan avenue a distance of 160 feet; thence southwardly and parallel with Morgan avenue to a line at right angles to Morgan avenue and passing through a point on its westerly side midway between Sharon street and Metropolitan avenue; thence westwardly along the said line at right angles to Morgan avenue to its westerly side; thence westwardly and parallel with Sharon street and the prolongation thereof to the prolongation of a line distant 100 feet westerly from and parallel with the westerly line of Olive street as laid out north of Oyster avenue, the said distance being measured at right angles to Olive street; thence northwardly along the said line parallel with Olive street, and along the prolongation of the said line to a line at right angles to Olive street and passing through a point on its easterly side where it is intersected by a line parallel with Sharon street and passing through the point of beginning; thence eastwardly along the said line at right angles to Olive street to its easterly side; thence eastwardly along the said line parallel with Sharon street to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs, and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 2d day of January, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of Brooklyn, in the City of New York, on the 24th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 1, 1911.
HAROLD N. WHITEHOUSE, Chairman;
WILLIAM H. SWARTWOUT, EDWARD BARUCH,
Commissioners of Estimate; HAROLD N. WHITEHOUSE, Commissioner of Assessment.
EDWARD RIEGELMANN, Clerk. dl,dl8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of RIDGE STREET, from the Boulevard to Academy street, in the First Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, dated the 21st day of November, 1911, and duly entered and filed in the office of the Clerk of the County of Queens on the 23d day of November, 1911, William E. Stewart, George Pople and Jacob Sulzbach were appointed commissioners of estimate in the above-entitled proceeding, and that

in and by said order William E. Stewart was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statutes in such cases made and provided the said William E. Stewart, George Pople and Jacob Sulzbach will attend at a Special Term for the hearing of ex parte motions of the Supreme Court of the State of New York, Second Department, to be held at the County Court House in the Borough of Brooklyn, City of New York, on the 12th day of December, 1911, at the opening of Court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel, or by any other person having any interest in the said proceeding, as to their qualifications to act as such commissioners in the above-entitled proceeding.

Dated New York, November 29, 1911.
ARCHIBALD R. WATSON, Corporation
Counsel, Hall of Records, Borough of Manhattan, City of New York. n29,d11

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of NAGY STREET, between Metropolitan avenue and Grand street, in the Second Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 21st day of November, 1911, and duly entered and filed in the office of the Clerk of the County of Queens on the 23d day of November, 1911, Morris L. Strauss, William Rasquin, Jr., and Luke Otten, were appointed Commissioners of Estimate in the above-entitled proceeding, and that in and by the said order Morris L. Strauss was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statutes in such cases made and provided, the said Morris L. Strauss, William Rasquin, Jr., and Luke Otten will attend at a Special Term for the hearing of ex parte motions of the Supreme Court of the State of New York, to be held at the County Court House, in the Borough of Brooklyn, in the City of New York, on the 12th day of December, 1911, at the opening of court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel, or by any other person having any interest in the said proceeding, as to their qualifications to act as such Commissioners in the above-entitled proceeding.

Dated New York, November 29, 1911.
ARCHIBALD R. WATSON, Corporation
Counsel, Hall of Records, Borough of Manhattan, City of New York. n29,d11

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee to the lands, tenements and hereditaments required for the opening and extending of SHERMAN STREET, from 14th street to Grand avenue; and of MARION STREET, from 14th street to Ridge street, in the First Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, dated the 21st day of November, 1911, and duly entered and filed in the office of the Clerk of the County of Queens on the 23d day of November, 1911, John N. Booth, George H. Alexander and Harry R. Gelwicks were appointed Commissioners of Estimate in the above-entitled proceeding, and that in and by said order John N. Booth was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statutes in such cases made and provided the said John N. Booth, George H. Alexander and Harry R. Gelwicks will attend at a Special Term for the hearing of ex parte motions of the Supreme Court of the State of New York, Second Department, to be held at the County Court House in the Borough of Brooklyn, in the City of New York, on the 12th day of December, 1911, at the opening of court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel, or any other person having any interest in the said proceeding, as to their qualifications to act as such Commissioners in the above-entitled proceeding.

Dated New York, November 29, 1911.
ARCHIBALD R. WATSON, Corporation
Counsel, Hall of Records, Borough of Manhattan, City of New York. n29,d11

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee to the lands, tenements and hereditaments required for the opening and extending of NOTT AVENUE, from Van Dam street to Calvary Cemetery; and of ANABLE AVENUE, from Van Dam street to Calvary Cemetery, in the First and Second Wards, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 21st day of November, 1911, and duly entered and filed in the office of the Clerk of the County of Queens on the 23d day of November, 1911, John B. Merrill, Robert B. Lawrence and Frank E. Losse were appointed Commissioners of Estimate in the above-entitled proceeding, and that in and by the said order John B. Merrill was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statutes in such cases made and provided the said John B. Merrill, Robert B. Lawrence and Frank E. Losse will attend at a Special Term for the hearing of ex parte motions of the Supreme Court of the State of New York, Second Department, to be held at the County Court House, in the Borough of Brooklyn, in the City of New York, on the 12th day of December, 1911, at the opening of court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel, or by any other person having any interest in the said proceeding, as to their qualifications to act as such Commissioners in the above-entitled proceeding.

Dated New York, November 29, 1911.
ARCHIBALD R. WATSON, Corporation
Counsel, Hall of Records, Borough of Manhattan, City of New York. n29,d11

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of FISKE AVENUE, from Woodside avenue to Grand street, in the Second Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 21st day of November, 1911, and duly entered and filed in the office of the Clerk of the County of Queens on the 23d day of November, 1911, Patrick J. Mara, J. H. Quinlan and Clinton T. Roe were appointed Commissioners of Estimate in the above-entitled proceeding, and that in and by the said order Patrick J. Mara was appointed the Commissioner of Assessment in the above-entitled proceeding.

Notice is further given that, pursuant to the statutes in such cases made and provided, Patrick J. Mara, J. H. Quinlan and Clinton T. Roe will attend at a Special Term for the hearing of ex parte motions of the Supreme Court of the State of New York, Second Department, to be held at the County Court House, in the Borough of Brooklyn, in the City of New York, on the 12th day of December, 1911, at the opening of court on that day, or as soon thereafter as counsel can be heard, for the purpose of being examined under oath by the Corporation Counsel, or by any other persons having any interest in the said proceeding, as to their qualifications to act as such Commissioners in the above-entitled proceeding.

Dated New York, November 29, 1911.
ARCHIBALD R. WATSON, Corporation
Counsel, Hall of Records, Borough of Manhattan, City of New York. n29,d11

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of DITMARS AVENUE, from 43d street to Astoria avenue, and FORTY-THIRD STREET, from Ditmars avenue to the bulkhead line of Flushing Bay, in the Second Ward, Borough of Queens, 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, Second Department, at a Special Term of said Court, to be held for the hearing of motions in the County Court House, in the County of Kings, in the Borough of Brooklyn, in the City of New York, on Tuesday, the 12th day of December, 1911, 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 one Commissioner of Assessment in the above entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York in fee, 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 and extending of Ditmars avenue, from 43d street to Astoria avenue; and 43d street, from Ditmars avenue to the bulkhead line of Flushing Bay, in the Second Ward, Borough of Queens, City of New York, being the following-described lots, pieces or parcels of land, viz.:

Beginning at a point formed by the intersection of the westerly line of 43d street.

Running thence northeasterly for 105.26 feet along the northerly line of 43d street to the northerly line of Ditmars avenue.

Thence northeasterly deflecting to the left 0 degrees 40 minutes 20 seconds for 662.12 feet along the northerly line of 43d street to the United States bulkhead line of Flushing Bay.

Thence southeasterly deflecting to the right 90 degrees for 70.0 feet along the said United States bulkhead line of Flushing Bay to the southeasterly line of 43d street.

Thence southeasterly deflecting to the right 90 degrees for 651.87 feet along the southeasterly line of 43d street to the northerly line of Ditmars avenue.

Thence southeasterly deflecting to the left 98 degrees 19 minutes 37 seconds for 1,858.12 feet along the northerly line of Ditmars avenue.

Thence southeasterly deflecting to the right on the arc of a circle whose radius is 707.67 feet for 180.84 feet along the northerly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the southeasterly termination thereof.

Thence southeasterly for 1,196.37 feet along the northerly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the southeasterly termination of same.

Thence southeasterly deflecting to the right on the arc of a circle whose radius is 700 feet 275.17 feet along the northerly line of Ditmars avenue, said curve being tangent to last-mentioned course at the southeasterly termination of same.

Thence southeasterly deflecting to the left on the arc of a circle whose radius is 572.162 feet for 145.89 feet along the northerly line of Ditmars avenue, said curve being tangent to last-mentioned course at the southeasterly termination of same.

Thence southeasterly for 313.10 feet along the northerly line of Ditmars avenue, said curve being tangent to last-mentioned course at the southeasterly termination of same.

Thence southeasterly deflecting to the left on the arc of a circle whose radius is 560.283 feet for 72.35 feet along the northerly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the southeasterly termination of same.

Thence southeasterly for 768.43 feet along the northerly line of Ditmars avenue, said curve being tangent to last-mentioned course at the southeasterly termination of same.

Thence southeasterly and easterly deflecting to the left on the arc of a circle whose radius is 620 feet for 384.35 feet along the northerly line of Astoria avenue, said curve being tangent to last-mentioned course at the southeasterly termination of same.

Thence easterly for 51.66 feet along the northerly line of Astoria avenue to the northerly line of 54th street, said curve being tangent to the last-mentioned course at the easterly termination of same.

Thence southwesterly deflecting to the right 119 degrees 12 minutes 2 seconds for 32.20 feet along the northerly line of 54th street to the northerly line of old Flushing avenue.

Thence westerly deflecting to the right 58 degrees 45 minutes 45 seconds for 118.14 feet along the northerly line of old Flushing avenue.

Thence westerly deflecting to the right 2 degrees 20 minutes 50 seconds for 245.19 feet along the northerly line of old Flushing avenue to the southwesterly line of Ditmars avenue.

Thence northwesterly deflecting to the right 35 degrees 12 minutes 30 seconds for 880.23 feet along the southwesterly line of Ditmars avenue.

Thence northwesterly deflecting to the right on the arc of a circle whose radius is 660.283 feet for 91.16 feet along the southwesterly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the northwesterly termination of same.

Thence northwesterly for 313.10 feet along the southwesterly line of Ditmars avenue, said curve being tangent to last-mentioned course at the northwesterly termination of same.

Thence northwesterly deflecting to the right on the arc of a circle whose radius is 672.162 feet for 171.39 feet along the southwesterly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the northwesterly termination of same.

Thence northwesterly deflecting to the left on the arc of a circle whose radius is 672.162 feet for 171.39 feet along the southwesterly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the northwesterly termination of same.

Thence northwesterly for 313.10 feet along the southwesterly line of Ditmars avenue, said curve being tangent to last-mentioned course at the northwesterly termination of same.

Thence northwesterly deflecting to the left on the arc of a circle whose radius is 672.162 feet for 171.39 feet along the southwesterly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the northwesterly termination of same.

Thence northwesterly deflecting to the left on

the arc of a circle whose radius is 600 feet for 235.86 feet along the southwesterly line of Ditmars avenue, said curve being tangent to last-mentioned course at the northwesterly termination of same.

Thence northwesterly for 1,196.37 feet along the southwesterly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the northwesterly termination of same.

Thence northwesterly deflecting to the left on the arc of a circle whose radius is 607.677 feet for 155.29 feet along the southwesterly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the northwesterly termination of same.

Thence northwesterly for 1,867.38 feet along the southwesterly line of Ditmars avenue, said curve being tangent to the last-mentioned course at the northwesterly termination of same.

Thence northwesterly deflecting to the left on the arc of a circle whose radius is 768.83 feet for 78.08 feet along the southwesterly line of Ditmars avenue to the westerly line of 43d street to the point or place of beginning, said curve being tangent to last-mentioned course at the northwesterly termination of same.

Ditmars avenue and 43d street are shown upon the following sections of the Final Maps of the Borough of Queens:

Section No. 24, adopted by the Board of Estimate and Apportionment January 26, 1911; filed at County Clerk's office, Jamaica, April 6, 1911; filed at Borough President's office April 7, 1911; filed in Corporation Counsel's office April 7, 1911. Portions of Nos. 21 and 22 adopted by Board of Estimate and Apportionment December 15, 1910; filed at County Clerk's office, Jamaica, March 2, 1911; filed at Borough President's office February 27, 1911; filed in Corporation Counsel's office February 27, 1911.

The Board of Estimate and Apportionment on the 6th day of April, 1911, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

Beginning at a point on the bulkhead line of Flushing Bay distant 360 feet northwesterly from the intersection of the said line with the northwesterly line of 43d street, and running thence southeasterly along the said bulkhead line to the intersection with a line midway between 54th street and 55th street, as these streets are laid out where they adjoin Berrian avenue; thence southwesterly along the said line midway between 54th street and 55th street, and along the prolongation of the said line to a point distant 100 feet easterly from the easterly line of 54th street, as this street is laid out south of Astoria avenue, the said distance being measured at right angles to 54th street; thence southwesterly and parallel with 54th street to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southerly line of Astoria avenue and the northerly line of Jackson avenue, as these streets are laid out between 54th street and 55th street; thence westwardly along the said bisecting line to the intersection with a line midway between 49th street and 50th street; thence northwardly along the said line midway between 49th street and 50th street to a point distant 100 feet southerly from the southerly line of Astoria avenue, the said distance being measured at right angles to Astoria avenue; thence westwardly and always distant 100 feet southerly from and parallel with the southerly line of Astoria avenue to the intersection with the prolongation of a line midway between 47th street and 48th street, as these streets are laid out between Jackson avenue and Hayes avenue; thence northwardly along the said prolongation of a line midway between 47th street and 48th street to the intersection with a line midway between Bay 3d street and Bay 4th street, as these streets are in use and commonly recognized; thence northwesterly along a line always midway between Bay 3d street and Bay 4th street, and the prolongations thereof, to the intersection with a line distant 1,000 feet southwesterly from and parallel with the southwesterly line of Ditmars avenue, as this street is laid out northwesterly from and adjoining Schurz avenue, the said distance being measured at right angles to Ditmars avenue; thence northwesterly along the said line parallel with Ditmars avenue and along the prolongation of the said line to the intersection with the prolongation of a line parallel with 43d street, as this street is laid out northeast of Ditmars avenue, and passing through the point of beginning; thence northwesterly along the said line parallel with 43d street to the point or place of beginning.

New York, November 28, 1911.
ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan. n28,d9

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of THIRTEENTH AVENUE, from Thirty-sixth street to Seventy-third street, excluding the land occupied by the Prospect Park and South Brooklyn Railroad Company, the Sea Beach Railroad Company, the Manhattan Beach Division of the Long Island Railroad and the Brooklyn, Bath and West End Railroad Company, in the Twenty-ninth and Thirtieth Wards, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held at the County Court House, in the Borough of Brooklyn, in The City of New York, on the 11th day of December, 1911, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of ten days, as required by law.

Dated Borough of Brooklyn, New York, November 28, 1911.

JAS. B. SHELDON, GEORGE F. MADDOCK, JOSEPH J. EARLY, Commissioners of Estimate; JAS. B. SHELDON, Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. n28,d9

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of BLEEKER STREET (although not yet named by proper authority), from Brooklyn Borough Line to Forest avenue, in the Second Ward, Borough of Queens, City of New York, as amended by an order of the Supreme Court, duly made and entered herein on the 10th day of May, 1910, so as to conform to the lines of said street, as shown upon Sections 15 and 16 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909.

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, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 15th day of December, 1911, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 18th day of December, 1911, at 11 o'clock a. m.

Second—That the abstracts of our said estimate and assessment, together with our damage and benefit maps, and also the affidavits, estimates, proofs and other documents used by us in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in said City, there to remain until the 18th day of December, 1911.

Third—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the line dividing the Boroughs of Brooklyn and Queens, distant 100 feet northwesterly from the northwesterly line or side of Bleeker street, measured on a line drawn at right angles with said northwesterly line or side of Bleeker street, running thence northwesterly and easterly and at all times parallel with the northwesterly and northerly line or side of Bleeker street and 100 feet distant therefrom to a point on the westerly side of Forest avenue 100 feet north from the intersection of the westerly side of Forest avenue with the northerly side of Bleeker street, thence still easterly in prolongation of the last mentioned line 166.05 feet, thence southerly and at all times parallel with the easterly side of Forest avenue and 100 feet distant therefrom 260.05 feet, thence westerly in prolongation of a line drawn parallel with and 100 feet distant from the southerly side of Bleeker street to a point distant 100 feet southeasterly from the southeasterly side of Bleeker street, measured at right angles therewith, and thence southwesterly and at all times parallel with the southeasterly side of Bleeker street and 100 feet distant therefrom to the line dividing the Boroughs of Brooklyn and Queens and thence northwesterly along said last mentioned line to the point or place of beginning.

Fourth—That, provided there be no objections filed to either of said abstracts, our final report herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 25th day of January, 1912, at the opening of the Court on that day.

Fifth—In case, however, objections are filed to any of said abstracts of estimate and assessment, the notice of motion to confirm our final report herein will stand adjourned to the date to be hereafter specified, and of which notice will be given to all those who have theretofore appeared in this proceeding, as well as by publication in the City Record, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 558 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 20, 1911.
LEONARD RUOFF, JR., FRANK E. LOSEE, Commissioners.

JOSEPH J. MYERS, Clerk. n25,d13

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of RICHARD AVENUE, extending from Myrtle avenue to Hughes street, formerly Hancock street, in the Second Ward, Borough of Queens, City of New York, as amended by an order of the Supreme Court, duly made and entered in the office of the Clerk of the County of Queens on the 25th day of January, 1911, so as to relate to Richard avenue, from Myrtle avenue to Otto street, as shown upon Sections 29 and 34 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and the 2d day of July, 1909.

NOTICE IS HEREBY GIVEN TO ALL PERSONS interested in the above-entitled 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 the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 15th day of December, 1911, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 18th day of December, 1911, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 15th day of December, 1911, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 18th day of December, 1911, at 3.30 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 19th day of November, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Otto street, the said distance being measured at right angles to Otto street; on the east by a line midway between Richard avenue and Meade street and by the prolongations of the said line; on the south by a line distant 100 feet southerly from and parallel with the southerly line of Myrtle avenue, the said distance being measured at right angles to Myrtle avenue, and on the west by a line midway between Richard avenue and McKinley avenue and by the prolongations of the said line.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, in the Municipal Building, Court House Square, in the Borough of Queens, in said City, there to remain until the 18th day of December, 1911.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 25th day of January, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 558 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 21, 1911.

DENNIS J. HARTE, Chairman; STEPHEN McMAHON, FRANK L. BACON, Commissioners of Estimate; DENNIS J. HARTE, Commissioner of Assessment.

JOSEPH J. MYERS, Clerk. n25,d13

SUPREME COURT—NINTH JUDICIAL DISTRICT.

NINTH JUDICIAL DISTRICT.

WESTCHESTER COUNTY.

Hill View Reservoir—Section No. 1.

Amended Report.

In the matter of the application and petition of J. Edward Simmons, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York, under Chapter 724 of the Laws of 1905 and the Acts amendatory thereof in the City of Yonkers, Westchester County, New York, for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

PUBLIC NOTICE IS HEREBY GIVEN THAT the amended report of the Commissioners of Appraisal in the above entitled matter, dated October 11, 1911, filed in the office of the Clerk of the County of Westchester at White Plains, New York, October 20, 1911, including Parcels 1 and 3, 4, 8, 14, 17, 29, 38, 40 and 54, will be presented to the Supreme Court for confirmation, at a Special Term thereof, to be held in and for the Ninth Judicial District, at the Court House in White Plains, Westchester County, New York, on the 15th day of December, 1911, at ten o'clock in the forenoon of that day or as soon thereafter as counsel can be heard; reserving to The City of New York the right to oppose the confirmation of any or all of the awards contained in said report.

Dated November 16, 1911.
ARCHIBALD R. WATSON, Corporation Counsel, Office and Post Office Address, Hall of Records, Corner of Chambers and Centre streets, Borough of Manhattan, New York City. n24,d15

NOTICE TO BIDDERS AT SALES OF OLD BUILDINGS, ETC.

TERMS AND CONDITIONS UNDER WHICH BUILDINGS, ETC., WILL BE SOLD FOR REMOVAL FROM CITY PROPERTY.

THE BUILDINGS AND APPURTENANCES thereto will be sold to the highest bidder, who must pay cash or certified check, drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of \$50, the sum of \$50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances, between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old masonry or plaster only, which may be left on the premises, but not higher than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Depart-

ment of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers in the Borough in which the buildings are situated, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof, within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser, on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the cost and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All turnings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam-holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs and adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioner of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

PROPOSALS FOR BIDS AND ESTIMATES FOR THE CITY OF NEW YORK.

NOTICE TO CONTRACTORS.

GENERAL INSTRUCTIONS TO BIDDERS.

The person or persons making a bid or estimate for any service, work, materials or supplies for The City of New York, or for any of its departments, bureaus or offices, shall furnish the same in a sealed envelope, indorsed with the title of the supplies, materials, work or services for which the bid or estimate is made, with his or their name or names and the date of presentation to the President or Board or to the head of the Department at his or its office, on or before the date and hour named in the advertisement for the same, at which time and place the estimates received will be publicly opened by the President or Board or head of said Department, and read, and the award of the contract made according to law as soon thereafter as practicable.

Each bid or estimate shall contain the name and place of residence of the person making the same, and names of all persons interested with him therein, and, if no other person be so interested, it shall distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, head of a Department, chief of a Bureau, deputy thereof, or clerk therein, or other officer of The City of New York is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise in or in the performance of the contract, or in the supplies, work or business 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 herein are in all respects true.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, or of a guaranty or surety company duly authorized by law to act as surety, and shall contain the matters set forth in the blank forms mentioned below.

No bid or estimate will be considered unless as a condition precedent to the reception or consideration of any proposal, it be accompanied by 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 bond required, as provided in section 420 of the Greater New York Charter.

The certified check or money should not be inclosed in the envelope containing the bid or estimate, but should be either inclosed in a separate envelope addressed to the head of the Department, President or Board, or submitted personally upon the presentation of the bid or estimate.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work, reference must be made to the specifications, schedules, plans, etc., on file in the said office of the President, Board or Department.

No bid shall be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the City.

The contract must be bid for separately.

The right is reserved in each case to reject all bids or estimates if it is deemed to be for the interest of the City so to do.

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

Bidders are requested to make their bids or estimates upon the blank forms prepared and furnished by the City, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel can be obtained upon application therefor at the office of the Department for which the work is to be done. Plans and drawings of construction work may also be seen there.