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BOARD OF PUBLIC IMPROVEMENTS.

The Board of Public Improvements of The City of New York met at the office of the Board, No. 21 Park row, on Wednesday, August 30, 1899, at 2 o'clock P. M., pursuant to notice.

The roll was called, and the following members were present and answered to their names: The Comptroller, the Commissioner of Water Supply, the Commissioner of Highways, the Commissioner of Street Cleaning (Deputy Commissioner Gibson), the Commissioner of Sewers, the Commissioner of Public Buildings, Lighting and Supplies, the Commissioner of Bridges, the President of the Borough of The Bronx, the President of the Borough of Queens, the President of the Borough of Richmond and the President of the Board.

The minutes of the meeting of August 23, 1899, were amended by striking out the resolution relative to Cauldwell avenue on page 1926.

As amended the minutes were adopted.

The following communications were read and placed on file:

LONDON, August 27, 1899.

To Board of Public Improvements, Park Row, New York:

Being especially interested, request Ramapo matter postponed week.

GROUT.

THE NEW YORK BOARD OF FIRE UNDERWRITERS,
NEW YORK, August 25, 1899.

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

GENTLEMEN—As the views of the New York Board of Fire Underwriters on the question of the water supply have been misunderstood, I desire to make the following statement:

It is their opinion, as expressed hitherto by their officials, that sufficient provision has not been made to supply adequately the water needs of the different boroughs of New York City. This Board believes that steps should at once be taken to correct this.

All water supply for municipal use should by preference be owned by the municipality, the exception being those caused by financial or legal reasons.

It has been stated by the proper officials of the City that in its present financial condition it is not within its power to contract and own additional works.

As the main supply to the City is now owned by it, but is inadequate, and it is barred from adding to this supply through ownership, it is in our opinion the duty of the authorities to investigate any offers made to furnish an auxiliary supply of water at the border of the city under adequate pressure to be paid for only as delivered, and if after proper expert examination the offer is found to be one favorable to the City to accept such offer, and not to be deterred from doing so because the offer may come from a private corporation.

Some years since, at the solicitation of a large number of merchants of this city and of the New York Board of Fire Underwriters, the Legislature authorized the Commissioners of the Sinking Fund to contract for such a supply, and at the enactment of the new charter of the present City the power then given the Commissioners of the Sinking Fund was transferred to the Board of Public Improvements.

Yours respectfully,
J. MONTGOMERY HARE, President.

SOCIAL REFORM CLUB.

To the President of the Board of Public Improvements, MAURICE F. HOLAHAN:

DEAR SIR—The following resolutions were passed at a meeting of the Social Reform Club, August 22, 1899:

Whereas, A plentiful and cheap supply of water is of prime importance to the health and cleanliness of the people; and

Whereas, Long experience has shown that in our city the system of municipal water supply is preferable to control by private corporations; and

Whereas, An attempt is now made to undermine our municipal water supply system by granting a wasteful contract to a private concern, which so far exists mainly on paper alone; and

Whereas, Comptroller Coler has taken a public-spirited stand against this attempt.

Therefore, be it

Resolved, That the Social Reform Club emphatically protests against the proposed contract with the Ramapo Water Company, and insists on the maintenance and extension of our municipal system of water supply as most likely to furnish satisfactory and economical service.

Respectfully,
LAURA A. STEEL, Assistant Secretary.

The hearing in the matter of the proposed contract with the Ramapo Water Company was then opened and the Comptroller presented the following reports:

DEPARTMENT OF FINANCE,
August 29, 1899.

To the Board of Public Improvements:

GENTLEMEN—At a meeting of this Board, held August 16, 1899, the Commissioner of Water Supply presented a report urging the approval of a contract with the Ramapo Water Company, to supply the City of New York with 200,000,000 gallons of water daily, at the rate of \$70 per million gallons.

The questions involved in the execution of such a contract were of the utmost public importance; for, apart from the enormous expenditure contemplated thereby, about \$200,000,000 during the forty year term of the contract, to resort to a private company for the future needs of the city meant the reversal of a consistent policy of municipal ownership which has for many years governed all the large cities of this country.

When this matter was thus brought to the attention of the Board, a motion was made to defer action for four weeks in order that a reasonable opportunity might be had for investigation and discussion.

This motion was lost by a tie vote.

A similar motion to defer action for three weeks was likewise lost by the same vote. Finally a delay of two weeks was granted to enable the Comptroller to present a report on this supremely important subject.

During the two weeks just elapsed I have endeavored, with the utmost diligence, to obtain all the facts essential to the forming of an intelligent judgment on the proposition pending before the Board. In addition to the regular engineering force of my department I have employed experts of national reputation to examine into not only the present and future needs of the city in respect to its water supply, but also the ability of Ramapo Water Company to supply water from the water-shed alleged to be within its control.

The time allotted has proved altogether inadequate for the purpose. Monstrous as this proposition appears to me, it has been urged seriously, and it is my desire to treat it with all the seriousness due to its overwhelming importance.

To do this involves an examination, which, if conducted with proper care and thoroughness, cannot possibly be completed in any such brief period of time.

To illustrate the difficulties experienced in obtaining the necessary information, I call attention to the following correspondence with the Department of Water Supply, and to the fact that the data therein requested have not yet been furnished:

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
August 19, 1899.

Hon. WILLIAM DALTON, Commissioner of Water Supply:

DEAR SIR—In order that I may have before me all the information possible in regard to the proposed contract with the Ramapo Water Company, I respectfully request you to transmit all the data upon which was based your report presented to the Board of Public Improvements at its last meeting on Wednesday the 16th instant.

I also request to be advised of the plans made by your department for utilizing the water delivered by the Ramapo Water Company to The City of New York—i. e., the size and location of the storage reservoirs, aqueducts, pipe lines, principal distributing mains, and other accessories necessary for the distribution of such water, together with your estimates of cost thereof.

In view of the short time allotted to me by the Board of Public Improvements for an examination of this immensely important subject, I respectfully request that you furnish this information at your earliest possible convenience.

Very truly yours,
BIRD S. COLER, Comptroller.

DEPARTMENT OF WATER SUPPLY, NEW YORK, August 21, 1899.

Hon. BIRD S. COLER, Comptroller:

DEAR SIR—Your favor of the 19th instant, addressed to the Commissioner, requesting all the data upon which the Commissioner's report regarding the Ramapo Water Company was based, is received.

I beg to say that the Commissioner is at present out of town, and your letter will be laid before him immediately upon his return.

Very respectfully,
R. S. DORELL, Secretary.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, August 21, 1899.

Hon. JAMES H. HASLIN, Deputy Commissioner of Water Supply:

DEAR SIR—On August 19 I addressed a communication to Hon. William Dalton, Commissioner of Water Supply, requesting certain information in regard to the proposed contract with the Ramapo Water Company, now pending before the Board of Public Improvements.

I have just received an acknowledgment of this letter from the Commissioner's Secretary, dated August 21, 1899, in which I am informed that the Commissioner is at present out of town, and that my letter will be laid before him immediately upon his return, the date of which is not stated.

I am loath to make suggestions in regard to the conduct of business by city departments in no way subject to my control, but think it only proper to call your attention to the following facts:

The proposed contract with the Ramapo Water Company is by far the largest and most important question now, or perhaps ever brought before officials of The City of New York for action. At the last meeting of the Board of Public Improvements I was denied an opportunity for one month's investigation of this matter, and granted only two weeks for that purpose. This period of two weeks will expire on Wednesday, the 30th instant. Without the information requested from your Department it is impossible for any one to form an intelligent judgment on this matter.

Under these circumstances it would seem desirable, in case it is not desired to disturb the Commissioner in the enjoyment of his vacation, that my request be not pigeonholed until his return, but that the same be either communicated to him at once or that the acting head of your Department should in his absence at once take such steps as may be necessary to furnish the information requested.

Very truly yours,
BIRD S. COLER, Comptroller.

P. S. In addition to the information asked for in my letter of the 19th instant, I request to be furnished with maps or descriptions of the property owned or controlled by the Ramapo Water Company in the water-shed from which that company proposes to obtain its supply of water.

B. S. C.

DEPARTMENT OF WATER SUPPLY, NEW YORK, August 22, 1899.

Hon. BIRD S. COLER, Comptroller:

DEAR SIR—In reply to your very kind communication of the 22d instant, I beg to say that Mr. Birdsall, Chief Engineer of the Water Supply Department, has furnished Messrs. McLean and Cross, Engineers of your Department, with such information as you requested in your letter of the 22d, addressed to me. In conjunction with that, I have authorized Mr. Birdsall to be as expeditious as possible, giving you all the additional information obtainable.

Hoping this will meet with your approval, I remain,

Respectfully,
JAS. H. HASLIN, Deputy and Acting Commissioner.

None of the foregoing information has been furnished.

The fact that actions brought by taxpayers at present enjoin this Board from approving of this contract may seem to render a request for additional time unnecessary, but I have, nevertheless, thought it proper to advise the Board of the progress thus far made, and of the conclusions to which the partial reports of my Engineers inevitably point. In stating these conclusions, I do not expect the Board to accept them without due consideration of the data upon which they are based; rather, it is my intention to state that as an attorney would open a case, confident that the evidence to be offered will abundantly sustain the claims hereby made.

Briefly, then, I expect to prove to the satisfaction of this Board:

First—That the supplying of water to large cities by private companies has everywhere throughout the civilized world proved a failure as compared with municipal ownership of the water supply.

Secondly—That the proposed contract with the Ramapo Water Company would result in the City paying an excessive price for water, and that at the end of forty years the City would have absolutely nothing to show for an expenditure of about \$200,000,000, and would gradually become more and more dependent on the mercy of private interests grown enormously powerful by the aid of the municipal treasury.

Thirdly—That if the contract with the Ramapo Water Company were entered into it would still be necessary for the City to expend a very large amount of money to utilize the water thus supplied.

Fourthly—That the Ramapo Water Company could not be ready to supply the water contracted for within the time specified in the contract, and that the bond required from that company is entirely inadequate to protect the City from loss if provision is to be made in the meantime for the distribution of such water in the several boroughs of the City.

Fifthly—That the Charter of the Ramapo Water Company is void or voidable, and that it is not competent to enter into the contract in question.

Sixthly—That the statements as to the future requirements of the City as to water have been grossly exaggerated in the report of the Commissioner of Water Supply.

Seventhly—That the water supply of the boroughs of Manhattan and The Bronx will be sufficient for many years to satisfy the population of those boroughs, and that with proper prevention of waste the Croton water-shed and the adjoining territory can provide a large surplus for the use of the other boroughs.

Eighthly—That the legitimate sources of water supply on Long Island for the Borough of Brooklyn have been by no means exhausted.

Ninthly—That the Board of Public Improvements are not empowered by law to authorize the execution of the contract in question, and that the approval of that Board would not enable the Commissioner of Water Supply to enter into such a contract.

Tenthly—That The City of New York is in a position to expend by the issue of bonds the necessary money to provide for the extension of its water system.

The last point being of a financial rather than of an engineering nature, there is no reason why I should not immediately state my views to the Board.

It has not been claimed that the City would be unable to issue bonds to provide for an extension of its water system; since, indeed, the Constitution expressly permits the issue of such bonds in excess of the limitation otherwise prescribed for municipal indebtedness. The claim has been made, however, that if the necessary bonds were to be issued for this purpose, the City would be prevented by constitutional provisions from issuing bonds for other highly necessary purposes.

The present debt of the city is within the constitutional limit thereof by more than twenty-two million dollars.

At the next election an amendment to the Constitution is to be voted on which if adopted will add nearly thirty millions of dollars more to the debt incurring capacity of the city. As this amendment has been favored by both the principal political parties of the State, there would seem to be no reason to doubt its passage. Assuming its adoption the City will enter upon the fiscal year 1900 with the power to issue \$50,000,000 of bonds for new liabilities not now contracted for.

In addition to this, the revenues of the Sinking Fund will amount to more than \$13,000,000 in 1900, and will steadily increase after that year. This figure, therefore, represents the amount by which new bonds can be annually issued without any increase of the city's net debt.

In order to judge the ability of the City to enter into any large scheme of public improvement, it is necessary not only to know the estimated cost thereof, but also the period of time within which payments will be required. Both of these elements cannot now be said to be definitely known—no more to the Commissioner of Water Supply, I believe, than to myself. I hope to be able to throw light on this highly important question when the complete reports of my Engineers are presented. In the meantime, however, attention may properly be called to the following facts:

Prior to the construction of the new Croton Aqueduct, with its appurtenant dams and reservoirs, the water supply of the city amounted to 114,000,000 gallons daily.

By the construction of the new Aqueduct that supply has been increased to 265,000,000 gallons daily.

The expenditure required for that purpose has amounted (to August 29, 1899) to \$40,059,581.16, but that expenditure has extended over a period of sixteen years. The average annual issue of bonds has been only \$2,293,823.53, and the largest amount of bonds issued in any one year has been \$4,500,000.

If the present Aqueduct Commission were to proceed to develop other additional sources of water supply, it might be possible to proceed with greater speed than has been displayed in the past; but it cannot be doubted that the prosecution of such a work would necessarily extend over a considerable number of years and that the payments required to be made by the City could be easily met as occasion required.

It seems to me that the ability of the City to proceed along the time-honored and amply justified lines of municipal ownership is the only question involved in this discussion worthy of serious argument; for, if that be granted, the objections to handing the City Treasury over to private interests become absolutely unanswerable.

In the light of the figures herein stated, I think it will be extremely difficult to disprove the City's ability to supply its own water, and in view of the fact that, by common consent, an adequate water supply is a public need entitled to precedence over all other public improvements, it would seem that the burden of proof is on those who deny that the City is able to perform its most important governmental function.

Respectfully,
BIRD S. COLER, Comptroller.

DEPARTMENT OF FINANCE—CITY OF NEW YORK,
August 28, 1899.

Hon. BIRD S. COLER, Comptroller:

SIR—The Hon. William Dalton, Commissioner of the Department of Water Supply in communication August 9, 1899, to the Board of Public Improvements sets forth:

1st. That the present condition of the water supply imposes on this administration the duty of taking prompt and decisive action to remedy existing deficiencies.

2d. That the full normal capacity of the public water supply of the Borough of Brooklyn is 93,000,000 gallons per day for a population of 1,200,000. That it has so remained for more than five years, while the population and demands have been constantly increasing. About three-fifths of the supply is obtained from flowing streams and from ponds, the other two-fifths, or about 45,000,000 per day, has to be pumped from driven wells. He states that the objections to a water supply, for a great city, from deep wells are too well known to need reiteration. The whole supply has to be pumped to a height of 170 feet into Ridgewood reservoir, and some of it to an additional height of 50 feet into the Mount Prospect reservoir, and 60 feet more into the Mount Prospect Tower, in order to obtain sufficient pressure to deliver water to houses on high grounds. That, if the Borough of Brooklyn is to be supplied at same rate as boroughs of Manhattan and The Bronx, 150,000,000 gallons would be required, necessitating an immediate addition of 57,000,000 gallons per day from new sources, and if the undesirable and unreliable supply from driven wells be eliminated, we must obtain 97,000,000 gallons per day for that purpose.

3d. In the Borough of Queens, where the City owns three pumping stations in Long Island City, one at College Point, at Flushing and one at Whitestone, with systems of distributing mains, the conditions are even worse. The entire supply is obtained from deep wells, so close to the shore of East river or Long Island Sound that the pumping has to be carefully limited to prevent the drawing of an admixture of salt water. Some of the wells are in surroundings where there is constant increase in population. The wells and plant are worked to their maximum capacity and yield 3,350,000 gallons per day. That this supply is inadequate for the present population and that it would be profitable to the city and advantageous to the population to increase the supply to five or six millions, with facilities for increasing it.

He proposes 6,000,000 per day and, expecting large increase of population on account of bridges to be built, he estimates the future annual increase at 20 per cent.

4th. He says it is a mistaken idea many people entertain that the boroughs of Manhattan and The Bronx are not in need of prompt action to increase the water supply and more especially the pressure and elevation at which water can be delivered. The elevation at which it can be delivered is limited to 119 feet above mean tide, and in many localities the elevation of delivery is less.

As early as 1870 it was necessary to resort to steam-pumping machinery, beginning with a small pumping station at High Bridge, with daily capacity of 2,500,000 gallons.

The growth in population and buildings in the high service districts has been such that the capacity of high service supply has been increased to 55,000,000 gallons by the establishment of two additional pumping stations. The demand continues to grow.

In the Borough of the Bronx there is as yet no high service, so that the Department is unable to supply houses on University Heights, Morris Heights, Woodlawn Heights and other elevated sections, giving rise to complaints of unfair treatment, and neglect of the rights of the people for a fair water supply.

5th. He says that in less than five years from now the water supply for Manhattan and the Bronx will be deficient in quantity as well as in pressure, or in elevation of delivery.

The average daily consumption for past six months is 265,000,000 gallons, and during hot days of June and July was 286,000,000 gallons.

The combined capacity of the old and new aqueducts, and the Bronx river conduits, is 400,000,000 gallons per day. Therefore, at the present rate of increase in consumption the limit of the present water system will be in four years or less, and on an increase of ten per cent. per annum it will be reached in less than five years.

He gives the following figures to show the increase required in four and ten years, calculated at 10 per cent. (except for the Borough of Queens, which is 20 per cent.):

BOROUGH OF BROOKLYN.

	Gallons.
Present supply and consumption	93,000,000
Increase required in four years (1903)	43,161,000
Increase required in ten years (1909)	168,218,000

BOROUGH OF MANHATTAN AND THE BRONX.

	Gallons.
Present supply and consumption	265,000,000
Increase required in four years (1904)	122,986,000
Increase required in ten years (1909)	422,341,000

BOROUGH OF QUEENS.

	Gallons.
Present supply 3,350,000 gallons; supply actually needed	6,000,000
Increase required in four years (at 20 per cent per annum)	11,450,000
Increase required in ten years	53,000,000
Total increase required in four years	177,597,000
Total increase required in ten years	640,559,000

This statement certainly portrays a very dismal state of affairs. In my view, it is exaggerated, in support of which opinion, I present the following figures:

FIRST—BOROUGH OF BROOKLYN.

The present population of the borough is	1,197,000
In 1904, the population, estimated on the basis of increase of 2.86 per cent. per annum, will be	1,378,000
In 1909, the population, estimated on same basis, will be	1,586,931

If the Borough be supplied with water in 1904, at the rate of 100 gallons per capita, the amount required will be	137,800,000
In 1909, at the same rate per capita, the amount required will be	158,693,000
This would give an increase over present supply, 93,000,000, in 1904, of	44,800,000
And in 1909, this increase would be	68,693,000
The increase in 1909, as given by the Commissioner, is	168,218,000

Difference..... 99,525,000

With the increase for 1909, named by the Commissioner 168,218,000, over the present supply of 93,000,000, there would be a daily supply of..... 261,218,000

Such a daily supply to the estimated population of 1,586,931, would be at the rate of 158 gallons per capita.

SECOND—BOROUGH OF MANHATTAN AND THE BRONX.

The present population is	2,107,426
In 1904 the population, estimated on the basis of 2.86 per cent. increase per annum, will be	2,426,525
In 1909, calculated on same basis, it will be	2,794,117

In 1904, if these boroughs be supplied with water, at the rate of 100 gallons per capita, the amount required will be	242,652,500
In 1909, at the same rate per capita, the amount required will be	279,411,700
At this rate of supply, 100 gallons per capita, the amount required in 1904, will be 22,347,500 gallons per day, less than is now being supplied, the present rate being 125 gallons per capita, and daily supply 265,000,000 gallons. In 1909, at the same rate of supply, 100 gallons per capita, the increase required over present supply of 265,000,000 would be	14,411,700
The Commissioner's estimate of the increase required in four years (1904) viz. 122,986,000 added to the present consumption 265,000,000 would give for the daily supply in 1904	387,986,000

Which would be at the rate of 160 gallons per capita. Adding the estimated increased amount given by the Commissioner as necessary in 1909, viz. 422,341,000 gallons to the present supply of 265,000,000 gallons, would give for the estimated amount necessary in 1909..... 687,341,000

—which, with the estimated population of 2,794,117, would be at the rate of 245 gallons per capita.

THIRD—BOROUGH OF QUEENS.

The present population of the borough is	134,500
In 1904 the population, estimated on the basis of 2.86 per cent. increase per annum, will be	154,864
The population in 1909, calculated on the same basis of increase, will be	178,312

The Commissioner expects some extraordinary increase when the contemplated bridges shall have been erected, an item too indefinite to be considered here.

The present supply of 3,350,000 gallons per diem, being at the rate of 25 gallons per capita, being considered entirely inadequate, the Commissioner gives, as at present needed, per diem..... 6,000,000

—which would be at the rate of about 44 gallons per capita. In 1904, at 100 gallons per capita, the required supply would be, with population of 154,864..... 15,486,400

In 1909, at same rate, the required supply would be..... 17,831,200

The Commissioner's estimated increase in four years 11,450,000 gallons, giving a total supply of 17,450,000 gallons, would be at the rate of 114 gallons per capita.

With his estimated increase of 53,000,000 gallons in ten years, the supply would be 59,000,000 gallons per diem, and the rate would be 330 gallons per capita.

SUMMARY.

1st. The Commissioner estimates the total increase required in four years (1904) at. 177,597,000
My estimate to 1904 based on a per capita supply of 100 gallons per diem is as follows:

	Gallons.
For the Borough of Brooklyn	44,824,400
For the boroughs of Manhattan and Bronx	0,000,000
Present supply is 22,347,500 gallons in excess.	
For the Borough of Queens	12,136,400

Total..... 56,960,800
Less the amount the present supply is in excess in the boroughs of Manhattan and Bronx..... 22,347,500

Total increase..... 34,613,300
Difference between the Commissioner's estimate and mine..... 142,983,700

2d. In Ten Years. (1909.)

	Gallons.
The Commissioner's estimate of total increase in ten years is	640,559,000
My estimate of increase to 1909 is:	
For the Borough of Brooklyn	65,693,000
For the boroughs of Manhattan and Bronx	14,411,700
For the Borough of Queens	14,481,200

Total..... 94,585,900

Difference—Or excess of Commissioner's estimate over mine..... 545,973,100

The above figures establish, beyond dispute, that the alarming statement of the Commissioner that "in less than five years from now the water supply for Manhattan and The Bronx will be deficient in quantity," is not based on reliable data.

The greatly exaggerated amounts come from taking as the basis of calculation for increase 10 per cent. per annum, and for the Borough of Queens 20 per cent. per annum, while the increase of population is only at the rate of 2.86 per cent. per annum.

My calculations are based on a supply of 100 gallons per capita per diem, up to 1909.

	Gallons.
The total amount of water required in 1909, based on this rate, and on the estimated population, being in the Borough of Brooklyn	158,693,100
And in the boroughs of Manhattan and Bronx	279,411,700
And in the Borough of Queens	17,831,200

Total..... 455,936,000
And the supply from Brooklyn being..... 93,000,000
And the supply from Manhattan and Bronx..... 400,000,000
And the supply from Queens..... 3,350,000

Total..... 496,350,000

There would be an excess of supply over demand in 1909 of..... 40,424,000

In 1915, the population of the Borough of Brooklyn estimated on the rate of 2.86 per cent. increase per annum, will be..... 1,879,477

	Gallons.
The supply of water required, calculated at the rate of 75 gallons per capita per diem would be	140,961,000
The population of the boroughs of Manhattan and The Bronx, estimated on same basis will be	3,342,041
The supply of water required at 75 gallons per capita per diem would be	250,653,000
The population of the Borough of Queens calculated at same rate of increase will be	211,184
The supply of water required at 75 gallons per capita per diem would be	15,839,000

Total amount required..... 407,453,000

The present supply given above amounting to..... 496,350,000

Would leave a surplus of..... 88,897,000

Showing that if no provision be made for increasing the water supply before the year 1915, we could still supply for that year, and for some years later, the boroughs of Brooklyn, Manhattan and The Bronx and Queens at the rate of 75 gallons per capita per diem.

It might be well at this time to discuss the matter of waste of water. It is not essential to refer to the present large consumption, amounting to 125 gallons per capita per diem, for the reason that up to this time there has been no necessity for restriction, the supply from the Croton and the Bronx and Byram river, being greatly in excess of any demand that could be made upon it.

The open waste of water in various ways can be restrained by watchfulness on the part of city officials, but the great and uncontrollable waste, under present conditions, is that which

occurs in dwelling-houses. There is absolutely no control over it, and any one recalling the waste he sees in his own home must be aware that it is very great.

The only remedy that has been devised for this waste is the adoption of the meter system, by which the occupant of each house, without being restrained as to quantity, would pay for exactly the amount used, the same as he does for gas or anything else. The exercise of economy on his part would lead to a large saving in the water supply.

At the present time meters can only be placed in certain locations where large quantities of water are used. In the course of time, in my opinion, meters should be required.

In the report of the Aqueduct Commissioners for 1895, in Table No. 13, the average daily flow of the Croton river, from 1870 to 1894, is given as 400,157,703 gallons, the lowest average for any one year being, in 1880, 250,406,275 gallons, and the daily average flow for the dry months, so called, are as follows:

For May.....	372,648,760
" June.....	261,850,700
" July.....	147,539,060
" August.....	230,780,386
" September.....	206,070,152
" October.....	344,402,612

To meet the requirements during these dry months and periods of drought the following storage reservoirs have been constructed, or will have been constructed in due time:

1st. Total storage in connection with the old works, including Central Park, Boyd's Corners and Middle Branch Reservoirs.....	9,541,000,000
2d. Amawalk (or Muscoot) Reservoir.....	7,000,000,000
3d. Double Reservoir "I" in Brewster, East Branch (or Sodom) and Bog Brook Reservoirs.....	9,028,000,000
4th. Carmel Reservoir "D".....	9,000,000,000
5th. Titicus Reservoir "M".....	7,167,000,000
6th. New Croton Dam Reservoir.....	32,000,000,000
7th. Jerome Park Reservoir.....	1,500,000,000
Total.....	75,236,000,000

The last two reservoirs are in course of construction, and their completion may certainly be expected before 1903.

This storage may be, and ought to be, increased, but the amount given above is sufficient to supply 400,000,000 gallons per diem for 188 days, or over six months.

In years of great and continued drought it would be insufficient.

The daily supply received from the Bronx and Byram river systems amounts to about 20,000,000 gallons. The storage reservoirs of this system contain about 3,500,000,000 gallons.

Since the opening of the New Aqueduct water has been supplied ad libitum, for the reason simply that there is an abundant supply, and no occasion has arisen for limiting it in any way. The present rate of 125 gallons per capita is a very large one. I consider 100 gallons per capita per diem a very full allowance.

In the matter of the supply in the Borough of Brooklyn, I cannot do better in this report, the time being so short, than to quote from the report of Hon. Alfred T. White, Commissioner of City Works, City of Brooklyn, dated January 31, 1896. This report was made after an elaborate examination of the subject of "possible sources of future water supply of the City of Brooklyn." He says: "In prefacing these reports it seems proper to say at once that there is no lack of available water supply within reach. The questions relate to cost rather than to quantity. The special problem which the Engineers have undertaken to solve is the determination of several sources from which a minimum additional supply of 100,000,000 can be had."

"There is, fortunately, no need to make in haste a final conclusion on the facts presented, while consideration of plans cannot be postponed long with safety. These studies have been made purposely at a time when present needs are fully supplied and those of the immediate future provided for, so that plans may have calm deliberation, that statements may be weighed, that further facts may be elicited, and that the City may not find itself in some hour of need at the mercy of a combination of capitalists and speculators."

"The present water-shed—whose capacity when fully developed is estimated in Engineer de Varona's report at 114,000,000 gallons—should suffice certainly for six and probably for eight years with a good management and at the present rate of growth of population and of consumption per capita. Of this amount 76,000,000 gallons was realized during 1895, a little over twenty millions more will be had from works under contract for completion this year, and the remainder, say eighteen million gallons daily, will remain for future development as needed. These figures will be increased by whatever additional supply may be secured from deep well sources originating beyond our present water-shed, from which we already have evidence that at least five million gallons may be had."

"The proposed addition of one hundred million gallons from other water-sheds, figured under the same conditions, would suffice for twenty years' growth after the period for which the present shed will serve."

The report does not indicate any necessity for immediate action.

In Table No. 3, accompanying the report, is given an estimate of the cost of the work of bringing a supply of 100,000,000 per diem from the Ten Mile river, amounting to the sum of \$18,682,302—and in Table No. 4 the estimate of the cost of the Ramapo river plan is given, amounting to the sum of \$14,930,206.

Commissioner Dalton says: "In respect to the boroughs of Manhattan and The Bronx your Board received in June of last year a communication or petition from the New York Board of Fire Underwriters making a most forcible appeal for a larger water supply which can be brought to the city at such elevation, or under such pressure, that it can be delivered through the distributing mains and in houses to the top story of every building, except the very high office and business buildings, without the necessity of pumping, either by the City, at the high-service stations, or by the owners or tenants of buildings."

He also states that prior to 1883, when the plans for the New Croton Aqueduct had been made and its construction assured, a merchants' committee, composed of prominent citizens, appointed at a mass-meeting of business men, petitioned the Legislature for the enactment of a law that would enable the City to obtain by contract a supply of pure and wholesome water from the mountain streams and lakes west of the Hudson river, to supplement the Croton system. He says these eminent citizens evidently foresaw the inadequacy of the Croton, Bronx and Byram river systems would always lack the element of giving sufficient elevation of delivery for the extinguishment of fires and to do away with private pumping in houses.

The petitioners pointed to the mountain region west of the Hudson river as the best, most reliable and most economical source of water supply.

The Commissioner visited the territory, and expresses in the highest terms his satisfaction with it. The section of the Catskill mountains which was examined embraces the valley of the Esopus creek, the upper waters of the Schoharie creek and the headwaters of the east branch of the Delaware river, and he says it presents the very great advantage of a large number of natural sites for storage reservoirs which can be made available with comparatively small cost for the construction of dams, sluices, etc.

He states that the aggregate area of the water-sheds is over 1400 square miles; that the rainfall is fifteen per cent. greater than in the Croton water shed; the population is not more than ten to the square mile; that the geological and topographical features assure a larger yield than could be obtained for a portable water supply in a less mountainous, more populated and more agricultural territory, such as the Croton water-shed; that all these conditions confirm the estimate that these water-sheds are capable of furnishing ultimately a daily water supply of 900,000,000 gallons of the purest quality which can be obtained anywhere in the State of New York.

The Commissioner then discusses the other sources for an additional supply which have been suggested from time to time—the Ten Mile river, Lake George, Lake Ontario—the Adirondacks, and condemns them all, saying: "The facts again demonstrate the superiority." He then considers the question of cost, and time within which a large addition to the water supply can most speedily be obtained.

As to the question of time, in the event of the undertaking the acquisition of lands and the construction of the dams, reservoirs, tunnels and conduits to convey the water to the distributing mains in the City, he describes with minuteness the processes which would have to be gone through with, and concludes "that under the most favorable circumstances the City could not accomplish the completion of the necessary works of construction and all the other incidental measures in a shorter period than seven years."

As to the question of cost he says: "If the City undertakes the work itself, it must build so that the addition to the water supply shall be secured for a series of years after the completion of the works, which means that it must build reservoirs and conduits of sufficient capacity to guarantee an additional supply of not less than 600,000,000 gallons per day; and must be ready to make bond issues to an amount of not less than \$70,000,000, and possibly \$100,000,000. This great Municipality is confronted with a financial condition which makes such bond issues, for water supply purposes alone, impossible, unless it be done with the exclusion of all other necessary improvements, which are payable from bonds, such as parks, school-houses, bridges, etc."

"These considerations as to cost and time lead me to the presentation of the recommendation which I will now make, and in making it I desire to again emphasize the seriousness of the situation, which makes time precious and prompt action imperative."

He then says it is not necessary that the City commit itself to a bond issue, or that it shall incur any expenditure. That private capital stands ready to construct the works and furnish the water without obligation or cost to the City, except to pay for the water when delivered. That

a proposal has been presented by a responsible company to furnish the needed water supply at a pressure due to an elevation of 300 feet or more, if desired, above tide level.

That by act of the Legislature the company is authorized to contract with The City of New York to furnish such a water supply. That the proposal is to deliver to the city at its northern limit not less than 200,000,000 gallons of water per day within five years from the date of the acceptance of the proposal at \$70 per million gallons. That the company has taken all necessary legal steps to secure this water supply and such addition to it as the city will need above 200,000,000 gallons per day, as the water-sheds of the Hudson Highlands and part of the Catskill Mountains can yield. That he is satisfied of the competency and reliability of the company to carry out this proposal and also that under existing conditions it will be advantageous to accept it. That the company is not seeking a municipal franchise.

He then submits "for approval by the Board a contract with the Ramapo Water Company, on the basis of the company's proposal, and approved as to form by the Corporation Counsel."

A condensed statement of the terms of this proposed contract is as follows:

First—The Ramapo company shall furnish, by the gravity system of transmission, water to be taken from the Esopus and its tributary water-sheds, and delivered at the rate of \$70 per million gallons.

Second—No water shall be drawn by the company from any stream or lake the surface of which is less than 420 feet above mean tide level, and all water supplied shall be of greater purity than that from the Croton and Long Island sources of supply, as shown by the official analyses of the Croton and Long Island water for the last year, as compared with a like analysis of the Ramapo water.

TO THE CITY LINE ONLY.

Third—The Ramapo company agrees to furnish at the northern boundary line of the city a daily supply of 200,000,000 gallons of water for forty years, beginning in 1902, subject to the right of the Commissioner of Water Supply "to reduce the quantity of such supply to such number of gallons as to his judgment may be required upon notice thereof to the party of the first part, except as hereinafter otherwise excepted, conditioned and provided."

Fourth—The water company agrees to construct and maintain its works without liability to the city other than the payment of \$70 for each 1,000,000 gallons of water supplied.

Fifth—The City of New York agrees to accept such water as it may require not exceeding 200,000,000 gallons daily, and to pay \$70 for each 1,000,000 gallons.

Sixth—The City of New York authorizes the company to act as its agent and representative in doing whatever may be necessary in fulfilling its contract, providing that the City shall not be liable for any expenditure in connection therewith.

Seventh—It is agreed that the City shall accept such amount of water as the company may be able to supply before the close of 1902 when the full supply shall be available.

PROVISIONS FOR DELAY.

Eighth—The water company may delay the delivery of the full supply during any period that its work may be delayed by injunctions, strikes or other causes not within its power to overcome.

Ninth—Failure to deliver water because of accident after the commencement of delivery shall not invalidate the contract, and if the company, by reason of accident, cannot deliver 200,000,000 gallons daily, the City shall pay only for the amount delivered.

Tenth—It is agreed that the contract may be modified, altered or amended hereafter in such manner as the parties may deem to be necessary or desirable.

Eleventh—The water company agrees that its employees shall not be required to work more than eight hours a day, except in cases of sudden emergency, and that they shall receive the legal rate of wages.

Referring to the figures which I have presented in this report, it appears that

In 1904 the consumption of water in the boroughs of Manhattan and The Bronx, Brooklyn and Queens, estimated at the rate of 100 gallons per capita, per diem, to a population estimated at an increase of 2.86 per cent. per annum,

will be..... 395,963,000
and the supply will be..... 496,350,000

making the excess of supply over demand..... 100,387,000

In 1909, the consumption in the same boroughs will be, per diem..... 455,936,000
While the supply will be..... 496,350,000

Making the excess of supply over demand..... 40,414,000

From the figures I have given it also appears that in 1915 the consumption in the same boroughs, calculated at the rate of 75 gallons per capita, per diem, will be..... 407,453,000
While the supply will be..... 496,350,000

Making an excess of supply over demand of..... 88,897,000

There is, therefore, no question of sufficiency of supply in 1904, or 1909; nor that a lower and fair rate of supply could be furnished in 1915, and, consequently, there is no need of excessive haste in this important matter.

As to the proposed contract, I think it should be opposed for the following reasons:

1. That the city does not stand in need at present of any additional water supply, and will not require such additional supply for some years to come.

2. That it is essential for good administration of the water supply system that the City should have absolute ownership and control of all the property, works and appurtenances connected with such system.

3. That there is sufficient time in which the City may, through the prescribed channels, in conformity with the law, acquire the property and rights necessary for obtaining water from any water-shed or sheds, which, after full and proper investigation, shall be selected.

4. That the Ramapo Water Company is not engaged in the "business of supplying or selling water," but only in making arrangements for doing so when promise of custom can be secured.

5th. That from an actual examination of the water-sheds proposed, and the plans of the company, made by Mr. George I. Rice, Consulting Engineer, it appears that the Esopus river is a mountain stream, with excessive flows in times of heavy rains, but small regular flow—necessitating extensive reservoirs—and that the reservoirs provided would not exceed in capacity over 12,000,000,000 of gallons, sufficient for a daily supply of 200,000,000 for only 60 days in a dry time—and that therefore the supply of 200,000,000 per diem could not be furnished.

6th. That the contract, extending over 40 years, prescribes no manner of measurement of the water to be delivered.

7th. That The City of New York agrees to authorize the said water company to act as the agent and representative of the City, so far as it may lawfully do so, in doing whatever may be necessary for the fulfillment of the contract. Such an authorization to a contractor I consider extremely injudicious.

Respectfully,
EUG. E. McLEAN, Engineer.

J. JAMES R. CROES,
M. AM. SOC. C. E.: M. INST. C. E.
MORRIS BUILDING, NO. 68 BROAD STREET,
NEW YORK CITY.
AUGUST 28, 1899.

RELATING TO NEW YORK WATER SUPPLY.

To the Hon. BIRD S. COLER, Comptroller of The City of New York:

SIR—I have the honor to submit the results of the examinations I have made under your instructions of August 17, with reference to the present condition of the New York City Water Supply and the measures necessary to ensure the continuance of a sufficient supply to the city, with especial reference to the recommendation made by the Hon. William Dalton, Commissioner of Water Supply, that a contract be made with the Ramapo Water Company to furnish water to the city.

THE SOURCES OF SUPPLY.

The boroughs of Manhattan and The Bronx are supplied with surface water from the Croton, Bronx and Byram rivers. The boroughs of Brooklyn and Queens are supplied from surface and underground waters on Long Island.

The yield of the Bronx and Byram rivers is about 15,000,000 gallons a day. With the existing provisions for storage, this amount can be depended on from those streams. The present consumption of water in the Manhattan and Bronx boroughs being about 265,000,000 gallons a day, there is needed from the Croton river an average supply of 250,000,000 gallons a day or 7,600,000,000 gallons a month.

The flow of the Croton river, as shown by the following statement furnished me by the Chief Engineer of the Aqueduct Commission, has varied, during the last eight and a half years, between 540,000,000 gallons and 46,380,000,000 gallons a month. These excessive fluctuations make it necessary to store the water of periods of large flow for use during periods of small flow.

TABLE I.
The Monthly Yield of the Croton River in Millions of Gallons.

MONTH.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.
January.....	40,171	29,750	9,954	10,408	20,059	12,100	11,841	22,183	24,250
February.....	33,665	9,015	19,210	12,610	6,113	25,426	14,789	28,767	17,067
March.....	25,684	12,307	42,359	30,626	22,704	46,380	20,805	19,456	44,411
April.....	17,007	8,332	20,940	14,345	24,755	17,889	14,526	13,004	24,044
May.....	5,236	9,496	35,582	11,015	7,820	5,110	15,904	29,884	6,890
June.....	3,682	6,745	5,643	8,685	2,835	5,666	8,745	10,940	2,942
July.....	2,343	4,120	2,368	2,664	2,558	5,020	16,934	3,983	6,886
August.....	1,847	5,264	4,239	4,192	3,654	4,479	17,915	16,634	.....
September.....	2,209	3,002	3,103	3,354	540	3,842	5,712	5,764	.....
October.....	2,399	969	6,863	4,410	2,356	5,160	3,297	5,799	.....
November.....	3,782	9,274	12,210	19,809	4,843	10,185	8,196	14,280	.....
December.....	9,611	8,664	24,185	15,083	7,653	7,924	16,512	21,810	.....

The storage reservoirs which have been constructed and are now available for use contain 41,736 millions of gallons.

On inspection of the table of flow, it appears that in 1891 there was a period of seven months, from May to November, during which the aggregate flow of the river amounted to 21,497 million gallons. At the present rate of consumption, there would be used during that period 53,200 million gallons. That is, 31,703 million gallons of stored water would be drawn, and there would still be about 10,000 million gallons left in storage.

Again, in a season like that of 1895, the flow for eight months aggregated 32,309 million gallons. The consumption at present rates would be 60,800 million gallons, requiring a draught of 28,491 million gallons of stored water, leaving 13,245 million gallons in storage.

It may be assumed, therefore, that at the present rate of consumption the margin of safety on the storage capacity is from one to two months, provided that no season drier than that of 1891 occurs.

But the rate of consumption is not stationary. Since 1892 it has been steadily increasing at the rate of 7.5 per cent. per annum. At this rate of increase it will amount to 307 million gallons a day in 1901, and the draught from the Croton river will be 292 million gallons a day, or 62,488 million gallons in seven months, requiring 40,991 million gallons of stored water to be drawn, thus practically exhausting the supply, in such a year as 1891. There is here not only no margin of safety, but a distinct element of danger, because there may well be expected at some time a drier season than that of 1891. In fact, such dry seasons occur about every ten years, so that it may be confidently asserted that there is a probability, amounting almost to a certainty, that before the storage reservoir created by the new Croton Dam can be completed, there will occur a deficiency in the supply of water to the Manhattan and Bronx boroughs, if the present rates of consumption are continued.

When the new Croton Dam and the Jerome Park Reservoir are completed, which will probably be in 1902, there will be a storage capacity of 75,236 million gallons, which will ensure a capacity of daily supply of about 290 million gallons a day, but more than that amount cannot be depended upon from the Croton watershed without the construction of additional storage reservoirs, and but little more even with them, so that if the consumption is permitted to increase as it has for the last eight years, an additional supply will be needed immediately following the completion of the works now in course of construction.

The present consumption in the Borough of Brooklyn is about 94 million gallons a day. During the last six years the annual increase in consumption has been at the rate of 6.1 per cent. per year. It is conceded that the present sources of supply are utilized to very near their limit and that an additional supply is needed as soon as it can be procured.

The officials in charge of the water supply of New York City and Brooklyn have not been unmindful of these facts. The Aqueduct Commissioners of New York have endeavored without avail to have authority granted to them to make examinations of sources of supply outside of the Croton watershed, and the late Commissioner of Water Supply in Brooklyn had, in 1896, examinations made as to the feasibility of supplying more water to Brooklyn both from Long Island and from the Ten Mile river, a tributary of the Housatonic lying north of the Croton watershed. The practicability of procuring a supply of at least 100 million gallons a day from the Ten Mile river and conducting it either direct to Brooklyn or discharging it into the storage reservoirs in the Croton watershed was clearly established. The cost of the latter plan I estimate from data furnished by the Engineer's report to be about \$7,000,000. It was also shown that an additional supply of 100 million gallons a day for Brooklyn could be procured from Long Island for about \$24,500,000.

These reports and the plans and estimates accompanying them are on file in the Bureau of Water Supply.

It is now recommended by the Commissioner of Water Supply that a contract be entered into with a private corporation to furnish a supply of 200 million gallons a day for forty years, from the watershed of Esopus creek, eighty-one miles distant from New York, at a stipulated price per million gallons. No plans or specifications of the work accompany the form of contract recommended.

THE SUGGESTED PLAN FOR RELIEF.

In considering the suggested plans for relief of the present condition of affairs, the first thing to be examined is the time needed to introduce a new supply.

The Ten Mile River plan for furnishing 100 million gallons a day to the Croton watershed will involve the building of two reservoir dams and the construction of about twelve miles of tunnel. This could be accomplished in three years.

The Ramapo Water Company's plan for introducing 200 million gallons a day at the northern line of the city will, according to the statement of the company's Chief Engineer, involve the building of at least 15 reservoir dams and the laying of two lines of steel pipe 8 feet 3 inches in diameter and 81 miles long, including a crossing of the Hudson river near Peekskill, where there is 85 feet of water. This pipe would require about 416,000 tons of steel plate of an average thickness of $\frac{3}{4}$ inch. For crossing the Hudson river a tunnel about 4,500 feet long under the river bed through material of an unknown character is proposed. The proposal of the Ramapo Water Company, as stated by the Commissioner of Water Supply in his communication to the Board of Public Improvements, is to complete the work in five years from the signing of the contract. No copy of this proposal has been made public. In the form of contract submitted, it is stated that the water shall be furnished by the day of 1902.

There is a discrepancy between the Commissioner's statement and the form of contract. It would be impossible to complete the work by 1902. It may be possible to introduce the water in five years after the beginning of the work of construction provided that the progress of the work is not interfered with by "any injunction or legal proceeding or by strikes of workmen," which, under the terms of the contract, operate to defer the time for the delivery of the water "at the option of the company." Moreover, the Water Company is not, in my opinion, prepared to enter on the work of construction at once. No definite plans have been prepared or specifications drawn for any parts or items of the work. The exact location and height of none of the dams have been determined, and, so far as I can learn, no test pits, borings, or soundings have been made anywhere.

A large amount of surveying has been done and numerous land maps filed in the County Clerk's office showing lands which may be required to be taken. Little engineering work has been done, so far as I can ascertain from the verbal statements of the company's Chief Engineer, and no plans, specifications or descriptions of the several parts of the work are on file in the office of the Chief Engineer of the Water Department, or have been shown to me at the company's office.

Under the most favorable conditions, a year's work of engineering study is requisite to put the work of construction in position to be begun. To furnish a portion of the 200 million gallons a day supplied, to Brooklyn, there would have to be constructed by the City, in addition to the company's work, fifteen miles of conduit pipe from the northern boundary of New York City to Brooklyn, including the crossing of the East river.

I am of the opinion that it would take twice as long to introduce the water from Esopus creek as to procure a supply from the Ten Mile river, and that the Brooklyn and Queens supply could be procured from Long Island in at least as short a time as it can from Esopus creek. The next question to be considered is the relative cost of the projects.

As before stated, I have made an estimate of the cost of introducing a supply of 100,000,000 gallons a day into the Croton water-shed from Ten Mile river, based upon data obtained from the report of W. E. Worthen, C. E., of January 24, 1896. I consider \$7,000,000 a liberal estimate of the cost of this work. The annual interest on City bonds for this sum at 3½ per cent. would be \$245,000.

The annual charge of 100 million gallons a day, or 36,500 million gallons a year, under the

contract with the Ramapo Water Company recommended by the Commissioner of Water Supply would be \$2,555,000.

For 100 million gallons a day supplied to Brooklyn from Long Island, on the plan recommended by Mr. I. M. de Varona, in his report of January 27, 1896, the cost of the work being \$24,500,000, the annual interest on City bonds would be \$857,500, and the annual cost of operation of pumping stations \$313,516, a total of \$1,171,016.

The annual cost of 100 million gallons a day supplied by the Ramapo Water Company under the proposed contract at the northern limit of the city would be \$2,555,000. To this must be added the interest on the cost of a pipe conduit from the northern line of the city to Brooklyn (at a cost of \$1,500,000), \$52,500, making a total annual cost of the 100 million gallons \$2,607,500.

It would appear, therefore, that the annual charges for 200 million gallons a day additional supply would be:

If furnished by the Ramapo Water Company, \$5,162,500.

If furnished by works built by the City, \$1,416,016.

The cost, therefore, to the City of taking water from the Ramapo Water Company would be about three and a half times as great as the cost of the same amount of water from works constructed by the City in less time.

HEAD OF WATER.

It has been urged that the new additional supply of water should be furnished at an elevation of 300 feet above tide level so as to give greater pressure in the mains over the whole city and enable the high service districts to be supplied without pumping.

It would not be possible to supply the same districts in the city with water from both sources, the present and the new. If the water furnished under the additional head were used to increase the head in the low-lying districts, the high service districts would still have to be supplied by pumping as at present. If the high pressure supply were used for supplying the high service districts there would have to be three separate districts of distribution—the high service district using 60,000,000 gallons a day, the Croton supply district using 290,000,000 gallons a day, and the intermediate district using 140,000,000 gallons a day of the new high service water supply.

It would undoubtedly be an advantage to portions of the city to have a greater pressure in the mains than can now be maintained. Whether it is possible to put the greater pressure on the pipes in the lower part of the city below Forty-second street is very doubtful. The quantity of water drawn through the pipes at the present time is so great and out of proportion to the number of consumers and is moreover increasing so rapidly and out of proportion to the increase of population that it cannot be attributed to any other cause than defects in the distribution system.

Any system of pipe distribution is subject to deterioration. The rate of this deterioration per annum is very light during the first twenty or thirty years of the life of the pipes, but after that period increases in a rapidly increasing ratio. Cracks will occur in pipes, pipes will become corroded until small orifices occur through which water escapes, and joints will leak from settlement or other causes, producing a large discharge of water into the ground, but not sufficient to show at the surface unless a break actually occurs. This underground leakage, which is not visible at the surface, takes a large amount of water out of the pipes and causes an apparent increase in consumption, which is really nothing but an increase of waste due to the natural progress of the deterioration of the pipes. This view of the matter is in accordance with the experience of all large cities, and in this instance is sustained by the consideration of the facts as they exist in New York and Brooklyn now. The main portion of the New York distribution system below Forty-second street is now fifty-seven years old. The increase of population of the city is at the rate of 2.7 per cent. per annum. The increase of consumption of water is at the rate of 7.5 per cent. per annum, or 4.8 per cent. greater than the increase of population. The water-works of Brooklyn are forty years old. The rate of increase of population is 3.6 per cent. per annum and the rate of increase of consumption of water is 6.1 per cent. per annum, a difference of 2.5 per cent. per annum. This indicates that the rate of increase of consumption increases with the life of the pipe system. The actual consumption of water in New York City at this time is nearly double what is required for all legitimate purposes, and reasoning from analogy and from the experience of other cities, this excess of consumption is due mainly to the deteriorated condition of the older portions of the distribution system. To increase the head of water on this deteriorated and leaky distribution service would increase the waste and hasten the deterioration.

The remedy for this condition of affairs is to be found in the systematic inspection and repairing of the distribution system, particularly in the lower part of the city, and there is no reason to doubt that such an inspection systematically and scientifically undertaken would result in a very great diminution of the waste and consequently an apparent increase in the amount of water supplied to the City.

In making provision for an increased supply, the first step, therefore, is to stop the flow of water into the ground from the pipes, which would have a more certain and durable effect than the impounding of additional water above the Croton Dam.

THE CONTRACT WITH THE RAMAPO WATER COMPANY.

It is proper that I should call your attention to some of the provisions in the contract recommended for execution by the Commissioner of the Water Supply.

The Water Company is to furnish water from the Esopus creek and its tributary and connecting water-sheds. A general map drawn on a small scale, which was furnished me by the Chief Engineer of the Ramapo Water Company, indicates as the sources of supply, the water-shed of Esopus creek, of about 300 square miles area, with six storage reservoirs, and the water-shed of Catskill creek, of about 300 square miles area, with four storage reservoirs. The Chief Engineer of the Water Company stated to me orally that it was proposed to construct fifteen storage reservoirs in the Esopus water-shed. The limited time within which it was necessary to make this report precluded the possibility of my making a personal inspection of the proposed water-sheds. Such inspection was deputed to Mr. George S. Rice, whose report you have and from which it appears that the number and character of the storage reservoirs possible to be constructed in the Esopus water-shed has been largely overestimated by the company, so far as can be ascertained at this time. The area of water-shed tributary to the point of intake for the pipe-line to the city is apparently much less than is represented by the company. The character of the water-shed of the Esopus creek is such that a very large storage capacity will be needed to utilize the mean run-off. It is rocky and precipitous, and the rain water runs off very rapidly. There can be very little underground storage, producing a large average flow in the streams, and to collect the rain water for gradual distribution, as the source of water supply, the storage reservoirs must be very large, and, moreover, the dams must have long spillways, involving a large amount of masonry construction.

Of several reservoir sites examined, only one, that at Olive Bridge, has a rocky foundation visible in the bed of the stream. The depth to which the foundations of the other dams would have to be carried is unknown.

The eighth paragraph of the contract, relating to the deferring of the time for the delivery of water at New York, at the option of the Water Company, for a period equal to the time that the Water Company may be interfered with in the construction of the works, by legal proceedings, has been already referred to in this report. It practically places the time of delivery of the water at the will of the company.

Section 10 of the form of contract provides that "This contract may be modified, altered or amended hereafter, in such manner as the parties may deem necessary or desirable." This, practically, annuls the whole contract. No provision is made anywhere in the contract for inspection or supervision of the plans, the character of the materials used, the mode of execution of the work or the preservation of the purity of the water, by The City of New York during the whole time of the contract.

With reference to the character of water to be supplied, the only provision is in the second clause of the contract, that such water shall be of greater purity than the water now supplied to The City of New York, as shown by the average of the analyses of such water, made during the past year, as compared with the average of a year's analyses of the water to be furnished. The water might be seriously polluted for a month at a time, but if the average of the year's analyses showed well, there would be no redress for the City.

At the end of forty years, the City's use of and interest in the supply would cease, unless the Water Company chose to renew the contract.

If there were no other objectionable features in the project, these, I think, show that it would be contrary to public policy to execute it.

CONCLUSIONS.

The time allowed for the investigation of this subject has been too brief to permit of as thorough a study of the subject as should be made, but from such examinations as have been made, I am of the opinion that the first step toward the increase of the supply of water available for use by the citizens of New York and Brooklyn should be a systematic investigation into the sources of waste, and repression of such waste, which, judging from the experience of other cities, would result in an increase of from 50,000,000 to 100,000,000 gallons a day available for use at once. Second, the authority should be conferred upon the officials in charge of the city water supply to investigate other sources of supply than the Croton river, and to proceed with the construction of works which would furnish within the next six or seven years an additional supply of at least 200,000,000 gallons a day, and probably an equal amount within the next ten years should be provided for.

Any such works should be controlled, owned and constructed by The City of New York and not by private corporations, over which the City has no control.

All of which is respectfully submitted.

J. J. R. CROES, Consulting Engineer.

NEW YORK CITY, N. Y., August 29, 1899.

Hon. BIRD S. COLER, Comptroller :

DEAR SIR—In accordance with your request I have examined the Esopus creek in Ulster County, N. Y., as a source of water supply by the Ramapo Water Company for The City of New York and recommended in a communication made by Hon. William Dalton, Commissioner of Water Supply, dated August 9, 1899.

The Ramapo Water Company has placed on file in Ulster County sixteen locations for storage basins, situated on Rondout and Esopus creeks and their tributaries. The maps of these reservoirs have been filed and in almost all cases the dams have been located and the flow-lines of the reservoirs shown on the plans. These reservoirs are named as follows: Glenierie, Katrine, High Falls, Napanoch, Sandburg, Beer Kill, Palen, Vernoooy, Atwood, Olive, Boiceville, Cold Brook, Phoenicia, Shandaken, Big Indian and Lake Hill.

The first nine of these reservoirs are so situated that they cannot be used in this scheme for storage purposes on account of the locality in which they are situated or the low altitude, which is insufficient to obtain an elevation of 300 feet above tide at the New York City line, such being the elevation mentioned in the report of the Commissioner of Water Supply.

The Olive Reservoir is situated on Esopus creek and lies below the Village of Shokan in the Town of Olive. The dam is located a short distance above Olive Bridge, and the flow-line has an elevation of five hundred (500) feet above the level of tide-water; the dam at this place is proposed to be about five hundred (500) feet long, and the foundation would probably be on rock in all its parts, as the ledge croppings show on both sides of the river and in its bed.

This dam has a drainage area of something less than three hundred (300) square miles and of necessity would be built of masonry, as the overflow must be nearly the full length of the dam in order that it may take care of the heavy rainfalls. This reservoir would flood the country at about the same elevation as the railroad bridge at Broadhead Station, where the rails are about twenty-one (21) feet above the bottom of the stream and would impound an amount less than two thousand million gallons of water. The height of the flow-line is practically limited by the Village of Shokan, which lies directly above the reservoir, and if any greater depth should be added to the reservoir it would create a large amount of shallow flowage and at the same time destroy the village for residential purposes. This reservoir is about two miles long and varies in width from five hundred (500) to twenty-one hundred (2,100) feet.

The next reservoir, as proposed, is located a little more than half a mile below the Boiceville Station on the Ulster and Delaware Railroad. The dam would be about fourteen hundred (1,400) feet long and have an elevation of flow-line of about six hundred and fifty (650) feet above tide.

Earth and boulders show on the two sides of the valley, and the bed of the river shows sand, gravel and boulders.

This reservoir is about two (2) miles long, having its storage capacity principally in the lower mile of length, the upper mile being confined to a large extent to the river section and not flooding the railroad as it does on the lower portion. The capacity of this reservoir is less than two thousand and seventy-five millions of gallons.

The next reservoir, which immediately adjoins the Boiceville Reservoir, is the Cold Brook Reservoir.

Its proposed dam is at the Cold Brook Station, and advantage has been taken of the drawing together of the valley at this place to locate the dam. The material both of the sides of the valley and in the bed of the river shows gravel and boulders. The elevation of the flow-line of this reservoir has been taken at an elevation of six hundred and ninety-five (695) feet above tide-water. This is the most extensive reservoir in the main valley and is nearly three (3) miles long. It has a varying width of from twenty-five hundred (2,500) to twelve hundred (1,200) feet, and its capacity somewhat diminishes, owing to a sudden rise in the creek, at a distance of about half a mile to the north of the dam where some rapids are located. This reservoir has a capacity of less than three thousand millions of gallons storage.

The next reservoir, as proposed, is located some distance above the railroad station at Phoenicia. The dam would be about nine hundred (900) feet in length with a reservoir about two (2) miles long. The flow-line has been taken at about elevation 950 above tide-water.

Immediately above the Phoenicia Reservoir is located the Shandaken Reservoir. This is about two miles long, having a dam about eight hundred (800) feet in length, with a flow-line of 1,040 above tide-water.

The next reservoir is situated about two miles above the upper part of the Shandaken Reservoir and is called the Big Indian Reservoir. It is over a mile long and has a dam of about one thousand (1,000) feet in length, with a flow-line elevation of something over 1,200 feet above tide level.

The last two reservoir areas have been located by means of the maps, but the sites of the dams have been omitted on the plans. The plans show, however, that the last three reservoir dams must of necessity have considerable height, as the valley is quite steep in this particular section of the country. The villages located at Phoenicia, Allaben, Shandaken and Big Indian are composed to a large extent of summer boarding places and would be obliterated by these three reservoirs if built, as the flow-lines interfere with almost all the buildings situated in this part of the valley.

These three reservoirs, as proposed, in the upper part of the Esopus creek have a storing capacity of less than four thousand millions of gallons.

The Lake Hill Reservoir, as proposed, is located on Little Shandaken creek, being one of the tributaries of the Esopus, and flows into this creek at Mount Pleasant, near the upper portion of the Cold Brook Reservoir. This reservoir has a flowage area of less than four hundred (400) acres, and has an elevation of about 1,060 feet above the tide level.

It is three hundred and sixty (360) feet above the valley and about three miles distant from Mount Pleasant, and has a limited drainage area and would not have much value for storage purposes on that account.

Taking these seven available reservoirs as located by the filed plans of the Ramapo Water Company, there is a total capacity for storage of less than twelve thousand millions gallons.

The valley of Esopus creek falls from the proposed reservoir at Big Indian to the surface of the reservoir at Olive Bridge, about seven hundred (700) feet in a distance of twenty (20) miles, being an average fall of about thirty-five (35) feet per mile. The valley is not particularly well adapted on this account for reservoir purposes, the flow of water at the present time being so small that at almost every part of these twenty miles it is possible to wade the stream with ease, and in most cases to cross without wetting one's feet. The stream is evidently what is called a "flashy" stream, being liable to a sudden rise on a fall of rain, and on that account requires a large amount of storage capacity to use it for water supply purposes.

The neighboring country is wooded in all its parts, except in the valleys, where the bottom land is used for farming purposes, the sides of the valleys being steep, which accounts for the rapid discharge of water in times of heavy rainfall. On this account it would not be advisable to build the dams of anything except masonry or earth with good-sized masonry cores, and it would be necessary in all cases to have a large overflow so that floods could be taken care of without danger to the structures and to those living in the valleys below.

From the foregoing statements relating to the storage capacity of the Esopus creek, as proposed by the filed plans of the Ramapo Water Company, in this valley, it can be stated that twelve billions (12,000,000,000) of gallons of stored water is manifestly insufficient for a supply of two hundred millions (200,000,000) of gallons per day for New York City. This amount would not, at a daily consumption of 200 millions gallons, give much more than two months' supply at a dry time, and such dry times are often liable to happen. When such times happen, water is the most needed.

Commissioner of Water Supply, William Dalton, in referring to the Cold Brook Reservoir, in his report states that the reservoir at an elevation of six hundred and seventy-five (675) feet would contain fifteen billions of gallons of water. By the plans of the Ramapo Water Company, this reservoir would contain less than three billions of gallons. He also says: "The Olive Reservoir site can be made to impound seven billions gallons." By the filed plans of the Ramapo Water Company this reservoir will contain less than two billions of gallons of water.

It would not be possible for the Ramapo Water Company to properly and economically construct the works as proposed on the Esopus creek with the connecting conduits in The City of New York's northern line inside of three or even five years.

The reconnaissance necessary to ascertain the material for the foundations of the several dams, would take several months, and the designing of the work preparatory to construction would take a year at least.

The least amount of time which should be allowed for the building of these works before the water could be used by New York City would be more than five years under the best of conditions.

Yours respectfully,

GEORGE S. RICE, Consulting Engineer.

The Hon. Wheeler H. Peckham, Mr. Simon Sterne and Mr. Fulton, in behalf of the Citizens' Union and the City Club, the Comptroller and the Commissioner of Bridges spoke in opposition to the contract, and the President of the Board and Mr. Barton, representing the New York Board of Fire Underwriters, in favor thereof.

The following resolution, presented by the Commissioner of Bridges, was then adopted: Whereas, Section 472 of the Greater New York Charter confers authority upon the Commissioner of Water Supply, with the approval of the Board of Public Improvements, to select and to determine all sources of water supply throughout the State that may be needed for the supply and distribution of water in The City of New York; and

Whereas, Said section further provides for the acquisition by condemnation of any real estate or interest therein that may be necessary in order to acquire the sole and exclusive property in such source or sources of water supply, and to extinguish the water rights of any person or corporation therein; and

Whereas, The expressed principles of the present administration when seeking the suffrage of the people of this city was that the municipality should own and control all public utilities therein;

Resolved, That it is not in the public interest, nor for the public weal, neither is it necessary, that the City should contract with a private corporation for its supply of water; that upon the expiration of the term of the existing contracts for such purpose proceedings should be taken to acquire the rights of the persons or corporations holding or owning any such rights, to the end that the municipality shall own its water system exclusively.

Affirmative—Comptroller, Commissioner of Highways, Commissioner of Street Cleaning, Commissioner of Sewers and Commissioner of Bridges—5.

Negative—Commissioner of Water Supply and President of the Board—2.

The President of the Borough of The Bronx claimed the privilege of voting, but the President ruled that, under the Charter, as the question was a general one, not affecting any one particular borough, no borough President had the privilege of voting.

The President of the Borough of The Bronx, the President of the Borough of Richmond and the President of the Borough of Queens then requested to be recorded as desiring to vote in the affirmative, if they had the right to vote.

Adjourned.

Attest:

MAURICE F. HOLAHAN, President.

BOARD OF CITY RECORD.

MAYOR'S OFFICE, CITY HALL,
NEW YORK, Monday, 11 A. M., July 31, 1899.

The Hons. Robert A. Van Wyck, Mayor; Bird S. Coler, Comptroller, and John Whalen, Corporation Counsel, the officers designated by section 1526, chapter 378, Laws of 1897, met this day.

The minutes of the meeting of June 29, 1899, were approved as printed.

The Supervisor presented an opinion of the Corporation Counsel, in reference to the bill of the County Clerk of Kings County, amounting to \$189.50, for furnishing a certified copy of the official canvass to the CITY RECORD.

On motion of the Mayor, and by the concurrent action of all the members of the Board, the Supervisor was directed to forward the bill to the Comptroller for payment.

The Supervisor presented letters from the "Wall Street Press" and the "Flushing Times" requesting to be placed on the list to receive city advertisements.

On motion of the Mayor and by the concurrent action of all the members of the Board the letters were ordered to be placed on file.

The Supervisor presented bills of the Collins' Staten Island and New York Express Company, amounting to \$129, for delivering goods in the Borough of Richmond.

On motion of the Corporation Counsel and by the concurrent action of all the members of the Board, the bills were ordered to be forwarded to the Comptroller for payment.

The Supervisor presented a letter from the Clerk of the Supreme Court, Appellate Division, Second Department, accompanied by two bills of P. J. Collison & Company, amounting to \$184.40 and \$149.55 respectively, for printing calendars, etc., for that Court.

On motion of the Corporation Counsel and by the concurrent action of all the members of the Board, the bills were ordered to be forwarded to the Comptroller for payment.

On motion of the Comptroller and by the concurrent action of all the members of the Board, the following was adopted:

Whereas, it appears that, under the Municipal Civil Service rules recently promulgated, the salaries of the two Examiners and the Copyist in the office of the Supervisor of the City Record, who were appointed under the old rule, No. 34 of the Civil Service Board, will cease on the 10th of August and as the annual requisitions are coming in and must be immediately dealt with,

Resolved, That the Municipal Civil Service Board be urgently requested to furnish this Board immediately with an eligible list for the positions of three Examiners and that, in view of the necessity of the case, the said Civil Service Board be requested to limit the examination to persons of known experience and capacity and that said examination be held at the earliest possible time.

On motion of the Mayor and by the concurrent action of all the members of the Board, the following was adopted:

Resolved, That the Supervisor of the City Record be, and he hereby is authorized to procure by direct order, that is, without contract let after advertisement, the articles called for by the following requisitions allowed at this meeting, not exceeding the estimates this day submitted by the Supervisor, as shown by schedule this day signed by the members of the Board of City Record, that course being deemed to be for the best interest of the City.

By the unanimous vote of all the members of the Board, the following requisitions were approved:

Board of Aldermen.

Requisition No. 3487—2,000 stated meeting sheets.

Requisition No. 3486—1,000 sheets of note paper; 500 sheets of letter paper; 1,500 envelopes.

Board of Assessors.

Requisition No. 2234—1 assessment roll-book for Thirty-first Ward Improvement, Borough of Brooklyn, lined, ruled, numbered, indexed and substantially bound.

President of the Borough of Queens.

Requisition No. 3519—1,000 sheets of letter heads.

Requisition No. 413—1 single inkstand, 3 inches; 1 clip machine for fastening papers together (McGill's Staple Press); 12 blotters, 10 x 12, for press copybook; 3 boxes of clips for McGill Press; 3 reams of No. 16 superfine white wove typewriting paper, 8 x 13, ruled with marginal lines.

Requisition No. 2246—Two 10 by 12 inch Bailey's Press copying books.

Department of Bridges.

Requisition No. 3492—200 pay-roll blanks; 200 pay-roll blanks.

Requisition No. 3532—250 pay-rolls; 250 vouchers; 250 receipts, in pads of 50 each; 1,000 bills, in pads of 100 each.

Requisition No. 402—1 gross Ahrens' Defiance Government Pens, No. 100.

Department of Buildings (Manhattan and The Bronx).

Requisition No. 3504—1,500 Form 47—General affidavit.

Requisition No. 390—7,000 envelopes.

Department of Buildings (Brooklyn).

Requisition No. 401—12 quarts Carter's ink.

Department of Public Buildings, Lighting and Supplies (Manhattan and The Bronx).

Requisition No. 3518—40 copies of contracts and specifications, with proposals and envelopes to match.

Department of Public Buildings, Lighting and Supplies (Brooklyn).

Requisition No. 400—5 reams typewriting paper.

City Chamberlain's Office.

Requisition No. 2243—200 blank pass books.

City Clerk.

Requisition No. 2238—1 book of 500 pages.

City Record Office.

Requisition No. 2241—1 "A" voucher book for Borough of Manhattan; tags for manuscript book.

Requisition No. 3531—200 pay-roll slips.

Requisition No. 412—1 ream typewriting paper, Bond's No. 2; 12 dozen Faber's Van Dyck pencils, No. 2; 2 dozen Faber's Van Dyck pencils, No. 3; 3 dozen Faber's Copying Red, No. 726; 12 quarts Carter's "Stickiest" Mucilage; 1 Morgan Mucilage, No. 7; 1 pair shears, 10 inch.

Commissioners of Accounts.

Requisition No. 397—10 Woodruff file boxes.

Requisition No. 3508—1,000 blanks (trial balances).

Coroners (The Bronx).

Requisition No. 3494—3,000 small envelopes; 7 reams note paper; 4 reams letter paper, no lines; 4 reams letter paper, with lines.

Requisition No. 396—3 quarts Carter's fluid; 6 gross No. 44 stub pens; 6 gross No. 50 Falcon pens; 12 sponges; 1 box star fasteners; 3 gross No. 2 Faber's pencils, No. 570; 3 gross No. 3 Faber's pencils, No. 570; 6 ink erasers, steel, No. 2; 1 box rubber erasers, No. 1050; 3 dozen pads, legal white; 3 reams legal cap; 2 dozen 19 x 24 blotters; 2 gross 4 x 9 1/2 blotters; 3 dozen stenographer's books; 3 boxes pins.

Department of Correction (Manhattan).

Requisition No. 389—6 reams of paper, 24 x 38.

Requisition No. 392—1,000 envelopes, 10 inches by 13 inches, Manila, to open on end; 500 sheets strawboard, 24 x 38.

Mayor's Office.

Requisition No. 391—Blotting paper, white, 25 packages, 9 1/2 x 4 inches.

Requisition No. 398—Black Nubian fluid, 2 bottles.

Requisition No. 2244—1 book for record of Sinking Fund warrants; alteration to warrant register.

Bureau of Licenses.

Requisition No. 3495—400 returns, 4 kinds of 100 each.

Department of Finance.

Requisition No. 3507—1,000 receipt blanks for the City Paymaster; 500 A warrants, for Borough of Queens.

Requisition No. 3497—500 Deputy Collectors of Assessments certificates of sales redemptions for Borough of The Bronx; 1,000 renewals of leases, Wallabout Market.

Requisition No. 3488—13,200 Paymaster's checks.

Requisition No. 3515—500 circulars to departments, etc.

Requisition No. 3525—5,000 printed envelopes; 1,000 receipts.

Requisition No. 3516—1,000 numbered envelopes.

Requisition No. 3526—1,000 Inspectors' reports blanks.

Requisition No. 3512—500 pay-rolls, New York County.

Requisition No. 3506—1,100 Paymaster's checks.

Requisition No. 3498—4,500 "A" and "B" warrants; 50 file box cards.

Requisition No. 3524—500 interest vouchers, "A".

Requisition No. 3500—200 certificates of corporate stock (Docks and Ferries), to be bound in book form.

Requisition No. 3499—100 interest checks, for August 1 interest.

Requisition No. 3514—1000 "Request for Registration" forms.

Requisition No. 3485—2,000 sheets letter paper; 5 reams paper; 5 reams paper; 1,500 small envelopes; 1,000 medium envelopes; 1,000 large envelopes.

Requisition No. 395—12 great gross Faber's Bands, Thread No. 16; 6 boxes semi-carbon, black, 8 inches by 12 inches; 2 boxes semi-carbon, black, 16 inches by 16 inches; 1 box semi-carbon, red, 8 x 12; 3 scrap books, manila paper.

Requisition No. 386—1 ream blotting paper, 19 x 24, uncut, blue; 1 ream blotting paper, 9 1/2 x 4, cut, white; 1 dozen ink, quart bottles, Stafford's writing fluid; 1/2 dozen ink, quart bottles, Stafford's red; 1/2 dozen ink, quart bottles, Arnold's writing fluid; 3 bottles mucilage, Carter's; 2 gross pens, L. W. Ahrens', No. 100 Government; 6 gross pens, Esterbrook's, No. 048 Falcon's; 2 gross pens, L. W. Ahrens', No. 24 Tutor; 3 gross pens, Leon Isaac's, No. 5 Glucinum; 4 gross pens, Gillott's, No. 303; 4 gross pens, Gillott's, No. 404; 3 gross pens, Eagle, No. E460 steel pen; 2 gross pens, Esterbrook's, No. 239 Chancellor; 1 dozen erasers, Roger's steel erasers (not spear heads); 2 dozen erasers, Faber's Cabinet, No. 12, for pencils; 1 dozen erasers, Faber's, No. 1078 ink eraser; 2 dozen erasers, Faber's Circular, No. 1080; 2 dozen pencils, Faber's, No. 378, Mimo, (for Stenographer's use); 1 gross pencils, Faber's, No. 590, No. 2; 3 gross pencils, Faber's, No. 590, No. 3; 1/2 gross pencils, Faber's, No. 590, No. 5; 1 gross pencils, Eagle Office, rubber head pencil; 1 gross pencils, Dixon's, No. 352, red and blue; 1/2 gross pencils, Dixon's, best, No. 354, green; 1/2 gross pencils, Dixon's, best, No. 350, blue; 1/2 gross pencils, Faber's, No. 425, No. 3; 1 gross penholders, Eagle Crown, No. 3; 1 dozen sponges, for desk use; 1 dozen sponge cups, 3 1/2-inch cups; 1/2 dozen mucilage reservoirs, Bainbridge's, No. 7584.

Requisition No. 387—1 dozen ink-wells, 2 1/2-inch; 1 dozen rulers, 12-inch; 1 dozen rulers, 18-inch; 10 boxes carbon paper, 8 x 13, feather weight, Japanoid Black; 50 sheets carbon paper, 16 x 17, feather weight, black; 1 box carbon paper, 8 x 13, red; 1/2 dozen shears, 14-inch, bankers' nickel plated; 1/2 dozen shears, 12-inch, bankers' nickel plated; 1 dozen copying pads, Bailey's, 10 x 12; 1 dozen paper weights, leather covered, No. 2a; 1 dozen boxes fasteners, Gills No. 1, round heads; 1 dozen boxes fasteners, Gill's No. 2, round heads; 1/2 dozen boxes fasteners, Gill's No. 3, round heads; 2 dozen boxes fasteners, Middleton; 1 dozen boxes fasteners, Eureka Clip, No. 2; 1 dozen boxes fasteners, Crocker's; 1/2 dozen miscellaneous arm rests, 8 x 14; 3 gross rubber bands, Faber's, No. 0000 3/4; 3 gross rubber bands, Faber's, No. 000 1/2; 6 gross rubber bands, Faber's, assorted, No. 60; 3 great gross rubber bands, Faber's, No. 19; 3 great gross rubber bands, Faber's, No. 16; 6 gross rubber bands, Faber's, No. 83; 3 great gross rubber bands, Faber's, No. 32; 6 gross rubber bands, Faber's, No. 64; 1,000 sheets paper, analysis paper, Sample B; 500 sheets paper, plain ruled, Sample C; 10 reams paper, Sample D; 10 reams paper, Sample E.

Requisition No. 388—5 reams paper, Sample F; 10 reams paper, Sample G; 5 reams paper, Sample I; 2,000 sheets paper, Sample K; 2,000 sheets paper, Sample L; 5 reams paper, legal cap; 5 reams paper, foolscap; 12 dozen paper pads, acme, cap size; 6 dozen paper pads, white, cap size; 12 dozen paper pads, white, assorted sizes.

Requisition No. 2230—1 ledger; 1 journal.

Requisition No. 2245—1 receipt book, 200 leaves.

Requisition No. 2237—1 check book, Redemption Fund, Brooklyn; 1 check book, Surplus Fund, Brooklyn; 1 check book, Redemption Fund, Bronx; 1 check book, Redemption Fund, Richmond; 1 check book, Redemption Fund, Manhattan.

Requisition No. 2248—12 blank books, M. B. Brown, No. 23835 (stock books).

Requisition No. 2249—7 transfer books, 200 leaves (2 forms on a leaf).

Requisition No. 3521 (Brooklyn)—51,000 tax bills, water rate bills and assessment bills.

Requisition No. 415 (Queens)—1 dozen 12-inch bevel rulers, Tingley's boxwood; 1 dozen 24-inch bevel rulers, Tingley's boxwood; 6 ink-wells, 3 1/2-inch; 6 mucilage reservoirs; 5 gross stub pens, "De Haan's"; 4 quarts Stafford's carmine ink; 4 quarts mucilage; 6 Laughton color pads (3 purple, 3 scarlet); 12 rubber erasers, Faber's, No. 1080; 1 keg paste for bookbinder.

Requisition No. 2240 (Richmond)—10 books, 200 pages each.

Fire Department.

Requisition No. 3491—25 copies form of contract and specifications for new boiler, general repairs and painting fire-boat "Seth Low," Borough of Brooklyn.

Department of Highways (Manhattan).

Requisition No. 3528—Necessary alterations and additions to 300 copies specifications for regulating, grading and paving with macadam pavement (requisition City Record No. 3417).

Requisition No. 3529—Necessary alterations and additions to 500 copies specifications for repaving with asphalt on foundation (requisition City Record No. 3367).

Requisition No. 3527—500 copies specifications and contract for regulating and grading, together with bids or estimates, and envelopes for same.

Law Department.

Requisition No. 2235—Bind "New York Tribune," quarter ending June 30; "Law Journal," quarter ending June 30; one marked "Library," one marked "Chief Clerk."

Requisition No. 2247—To print and bind in pamphlet form 75 copies of the Annual Report of this Department for the year 1898—50 copies in paper and 25 in boards; to print and bind 75 copies in pamphlet form of Report of this Department for quarter ending March, 31, 1899, in paper.

Municipal Civil Service Commission.

Requisition No. 3520—15,000 application blanks.

Department of Parks.

Requisition No. 3424—1,000 copies Annual Report of Park Department for 1898—900 paper cover, 100 cloth cover.

Requisition No. 3517—50 copies specifications for regulating and grading a portion of The Bronx and Pelham parkway, in The City of New York; 50 forms of proposals for same.

Requisition No. 3522—For making alterations and additions to contract for sewer from Swedish Cottage.

Requisition No. 3523—For making alterations and additions to contract for improvement of grounds about public buildings, Crotona Park.

Department of Public Charities (Manhattan and The Bronx).

Requisition No. 3509—75 copies of specifications for dry-goods, hardware and miscellaneous goods.

Requisition No. 3493—500 contract forms.

Department of Sewers (Manhattan).

Requisition No. 3530—1,000 resolutions; 500 requests for estimate.

Requisition No. 3503—For compiling and binding in pamphlet form quarterly report for the quarter ending March 31, 1899, 250 copies; hold 100 for binding at end of year.

Department of Sewers (Brooklyn).

Requisition No. 3511—300 copies of agreement and bond.

Requisition No. 416—4 1-quart bottles Underwood's writing fluid.

Department of Sewers (The Bronx).

Requisition No. 3502—50 copies of contract and specifications for completing sewer in Farra-gut street.

Department of Street Cleaning.

Requisition No. 3490—5,000 condition of stables; 5,000 stable expense sheets.

Requisition No. 3496—50 blank forms of contract for removal of snow and ice in the Borough of Brooklyn.

Requisition No. 3489—1,100 blanks, to be numbered from 900 to 2000, both numbers to be included.

Requisition No. 3501—50 blank forms of contract for collecting and delivering street sweep-ings, ashes, etc., in the Boroughs of Queens and Richmond.

Requisition No. 3505—5,000 tug captain's way-bill.

Requisition No. 394—100 dozen black lead pencils, Faber 375, No. 2, medium, with rubber.

Department of Taxes and Assessments.

Requisition No. 2236—30 field books, as sample sheet for Borough of Queens; 4 assessment rolls for Borough of Brooklyn; 8 record books for Borough of Queens.

Department of Water Supply.

Requisition No. 3513—70 copies of contract and specifications, estimates and envelopes for taps, etc.

The City Court of the City of New York.

Requisition No. 414—6 dozen stenographer's pencils, No. 2, soft round; 6 dozen stenog-raphers' pencils, No. 2, medium round; 50 packages blotting paper, 9 1/2 by 4; 100 sheets blot-ting paper, 19 by 24, white; 3 reams legal cap, 16 pound; 2 reams foolscap, 16 pound; 2 gross rubber bands, No. 0000 3/4; 2 gross rubber bands, No. 0000 1/2; 12 arm rests, 8 by 14, polished.

Court of General Sessions, County of New York.

Requisition No. 3381—500 full sheets note paper, Form No. 1; 1,000 half sheets note paper (pads of 100), Form No. 2; 500 full sheets letter paper, Form No. 3; 1,000 half sheets letter paper (pads of 100), Form No. 4; 2,000 envelopes, medium.

Court of Special Sessions, First Division.

Requisition No. 3533—1,000 justices' letter-heads, large size; 1,000 justices' letter-heads, small size.

Requisition No. 407—5 gross Faber's rubber bands, No. 83, 1/2-inch; 5 gross Crawford's monogram pens, No. 93; 3 dozen Eagle penholders, No. 1628; 3 dozen Eagle penholders, No. 1929; 1 dozen Faber's rubber penholders, 6 1/4 inches long; 6 quart bottles of Stafford's blue unchangeable writing ink.

Requisition No. 399—100 blotting paper, 9 1/2 x 4.

Court of Special Sessions, Second Division (Brooklyn).

Requisition No. 403—50 packages white blotting paper; 100 sheets blue blotting paper; 12 quarts Stafford's black ink; 3 quarts Stafford's red ink; 3 quarts Stafford's blue ink; 3 gross Crawford stub pens, No. 93; 6 gross Esterbrook's Falcon pens, No. 048; 3 gross Gillett's pens, No. 404; 3 gross Esterbrook's Blackstone, No. 284; 12 gross Faber's rubber bands, No. 11; 12 gross Faber's rubber bands, No. 8; 6 gross Monarch, assorted, 1/4-inch; 6 gross Monarch No. 32; 12 dozen Dixon's No. 2 pencils, No. 1024; 6 dozen Pitman's reporting pencils, octagon; 6 dozen Eagle Standard No. 2, round.

Requisition No. 404—2 dozen Dixon's blue pencils No. 350; 12 dozen penholders F. No. 269; 6 dozen penholders F. No. 5026; 6 pyramid pins No. 3; 6 half pound boxes bankers' pins No. 3; 6 half pound boxes bankers' pins No. 4; 5 boxes Dennison's "A" seals; 6 boxes Dennison's "23" seals; 4 3-inch heavy bankers' sponge cups; 3 large sponges; 6 Morgan No. 7 mucilage reservoirs; 3 No. 3 inkstands.

Requisition No. 405—6 quarts mucilage; 5 reams legal-ruled, 16 pound; 5 reams legal No. 1 L. P. paper; 5 reams plain, 10 by 8, No. 1 letter paper; 6 reams foolscap, best, No. 3; 24 rubber ink erasers, F. No. 110; 24 rubber pencil erasers, F. No. 1014; 1 12-inch nickel shears; 3 W. & H. steel ink erasers, No. 2.

Requisition No. 406—6 boxes McGill's R. H. fasteners, No. 2; 6 balls twine, No. 12; 1/2 ream manila wrapping paper; 150 Pitman's steno. books, No. 5; 100 pads, No. 1, white legal; 25 pads, No. 2, white letter; 100 pads, No. 3, note; 50 pads, No. 4, 4 by 6.

WILLIAM A. BUTLER, Secretary.

Adjourned.

BOARD OF CITY RECORD.

MAYOR'S OFFICE, CITY HALL,

NEW YORK, Wednesday, August 9, 1899.

The Hons. Randolph Guggenheimer, Acting Mayor; John Whalen, Corporation Counsel, and M. T. Daly, Deputy and Acting Comptroller, the officers designated by section 1526, chapter 378, Laws of 1897, met this day.

The following communication was read by the Supervisor of the City Record.

DEPARTMENT OF PUBLIC CHARITIES, BOROUGH OF MANHATTAN AND THE BRONX,
SECRETARY'S OFFICE, FOOT OF EAST TWENTY-SIXTH STREET,
NEW YORK, August 7, 1899.

WM. A. BUTLER, Esq., Supervisor City Record:

DEAR SIR—By direction of the Board I inclose copy of resolution which was passed at the meeting to-day:

"Resolved, That an advertisement be inserted in the CITY RECORD and corporation paper for bids and proposals for meats, drygoods, groceries, and miscellaneous supplies for the Borough of Richmond, date of the opening to be fixed by the Commissioner for the Borough of Richmond, and that for this advertisement the Board of City Record be and is hereby requested to designate a Staten Island paper as a corporation paper."

I desire to say in relation to the above resolution that it is the desire of the Commissioner of Richmond and of the President of the Board, Hon. John W. Keller, that the Staten Island "Star" be designated as a corporation paper for the Borough of Richmond.

Yours sincerely,

J. MCKEE BORDEN, Secretary.

On motion of the Corporation Counsel, and by the concurrent action of all the members of the Board, the following was adopted:

Resolved, That the President of the Department of Public Charities be and he hereby is authorized to insert an advertisement, inviting bids and proposals for meats, drygoods, groceries and miscellaneous supplies for the Borough of Richmond, in the Staten Island "Star."

On motion of the Acting Comptroller, and by the concurrent action of all the members of the Board, the following was adopted:

Resolved, That the Comptroller be authorized to publish the notice of the purchase by him of "Flushing Avenue Improvement Certificates of Long Island City," daily, from August 4 until August 15, 1899, inclusive, in the Long Island "Star"; and also the notice to property-owners of the confirmation of an assessment for sewer in Eighteenth street, in the former Village of College Point, once a week for three weeks in the Long Island "Freie Presse" of College Point, and in the Flushing "Journal" and Flushing "Times," in addition to the publication of the said advertisements in the CITY RECORD.

Adjourned.

WM. A. BUTLER, Secretary.

BOARD OF CITY RECORD.

MAYOR'S OFFICE, CITY HALL,

NEW YORK, Thursday, August 10, 1899.

The Hons. Randolph Guggenheimer, Acting Mayor; M. T. Daly, Deputy and Acting Comptroller, and Charles Blandy, Deputy and Acting Corporation Counsel, the officers designated by section 1526, chapter 378, Laws of 1897, met this day.

On motion of the Deputy and Acting Corporation Counsel, the following resolution was adopted:

Resolved, That Henry McMillen, Samuel J. Brown and Harriet M. Metcalfe be and are hereby appointed, temporarily, Examiners in the office of the CITY RECORD, the Secretary of the Municipal Civil Service Commission having certified that they are eligible for such appointment, which is to continue for thirty days, beginning with the 10th day of August, 1899, in accordance with the provisions of Civil Service Regulation 34, and that the said Henry McMillen be paid at the rate of one thousand eight hundred dollars per annum, the said Samuel J. Brown at the rate of one thousand two hundred dollars per annum and the said Harriet M. Metcalfe at the rate of six hundred and fifty dollars per annum.

Adjourned.

WM. A. BUTLER, Secretary.

BOARD OF CITY RECORD.

MAYOR'S OFFICE, CITY HALL,

NEW YORK, MONDAY, 11 A. M., August 28, 1899.

The Hons. Randolph Guggenheimer, Acting Mayor; Bird S. Coler, Comptroller, and John Whalen, Corporation Counsel, the officers designated by section 1526, chapter 378, Laws of 1897, this day adopted the following resolution:

Resolved, That the Comptroller be authorized to publish the notice of the Receiver of Taxes of September 1, 1899, with reference to the payment of taxes of 1899, three times in each of the following newspapers in addition to publication in the CITY RECORD, viz.:

"The Sun," "New York Journal," "New York Tribune," "Das Morgen Journal," "New York Times," "The World," "New York Herald," "The Press," "New York Mail and Express," "Morning Telegraph," "New York Daily News," "Evening Post," "Evening Sun," "Commercial Advertiser," "Journal of Commerce," "Harlem Local Reporter," "Manhattan and Bronx Advocate," "North Side News," "Westchester Independent," "Brooklyn Citizen," "Brooklyn Eagle," "Brooklyn Weekly," "Brooklyn Times," "Brooklyn Standard-Union," "Brooklyn Free Press," "Long Island Democrat," "Long Island Star," "Far Rockaway Journal," "Newtown Register," "Flushing Journal," "Staten Island Star," "Richmond County Democrat, Staten Islander."

Adjourned.

WILLIAM A. BUTLER, Secretary.

DEPARTMENT OF HEALTH.

WEEK ENDING SATURDAY, 12 M., AUGUST 26, 1899.

BOROUGH.	ESTIMATED POPULATION JULY 1, 1899.	DEATHS.		BIRTHS.	MAR- RIAGES.	STILL- BIRTHS.	DEATH-RATE.	
		1898.	1899.				1898.	1899.
Manhattan.....	1,953,569	819	676	1,016	254	63	22.35	18.06
*The Bronx.....	163,537	77	74	75	21	6	29.31	23.61
Brooklyn.....	1,231,548	501	371	493	101	31	21.84	15.72
Queens.....	134,139	63	70	37	15	5	25.67	27.23
Richmond.....	67,260	32	34	30	5	2	25.72	26.38
City of New York.	3,550,053	1,492	1,225	1,651	396	107	22.64	18.00

* Many large institutions raise the death-rate.

Cases of Infectious and Contagious Diseases Reported.

	WEEK ENDING—													
	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug. 5.	Aug. 12.	Aug. 19.	Aug. 26.
Phthisis.....	169	142	134	128	165	140	98	148	163	106	150	188	181	116
Diphtheria.....	238	249	227	219	198	191	191	192	161	134	155	104	136	142
Croup.....	12	7	10	10	7	11	10	4	4	3	..	..	7	16
Measles.....	404	420	422	375	330	278	216	253	203	164	156	4	106	104
Scarlet Fever.....	212	214	188	136	130	93	125	102	93	77	54	45	61	59
Small-pox.....	12	11	6	3	2	7	3	..	3	..	..	1	..	..
Typhoid Fever.....	58	13	12	18	16	30	16	30	30	40	43	29	61	61
Typhus Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total.....	1,105	1,056	999	889	848	750	659	729	657	524	558	371	552	498

Deaths by Principal Causes, According to Locality and Age.

BOROUGH.	Infectious Dis- eases detailed elsewhere.	Malarial Diseases.	Whooping Cough.	Diarrheal Diseases.	Diarrheal Dis- eases Under 5 Years.	Phthisis.	Bronchitis.	Pneumonia.	Congenital Debility.	Suicides.	Homicides.	Accidents.	Under 1 Year.	Under 5 Years.	5-15 Years.	15-25 Years.	25-45 Years.	45-65 Years.	65 Years and Over.
Manhattan.....	34	2	13	78	69	81	15	64	46	15	..	25	197	316	285	75	..	..	75
The Bronx.....	3	..	..	5	5	14	..	3	5	1	1	4	15	21	43	10	..	..	10
Brooklyn.....	18	2	11	50	45	42	10	19	42	3	..	21	124	183	153	35	..	..	35
Queens.....	3	..	1	3	2	3	..	3	10	1	..	5	30	35	28	7	..	..	7
Richmond.....	..	..	1	8	8	1	..	2	6	1	..	3	16	18	9	7	..	..	7
Total.....	58	4	26	144	129	141	25	91	109	21	1	58	382	573	518	134	..	..	134

Deaths According to Cause, Age and Sex.

	Total Deaths.	Deaths in Corre- sponding Week of 1898.	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.....	1,225	1,492	648	577	382	112	79	573	41	69	238	170	134
Diphtheria	20	14	8	12	..	3	10	13	6	..	1	..	..
Croup.....	9	2	5	4	2	..	6	8	1	..	..	..	..
Malarial Fevers.....	4	10	..	4	..	..	1	1	..	1	2	..	..
Measles	6	2	3	3	1	2	2	5	1	..	..	..	..
Scarlet Fever.....	7	6	2	5	..	3	3	6	1	..	..	..	..
Small-pox.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Typhoid Fever	16	41	10	6	..	..	..	3	2	9	2	..	..
Typhus Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough.....	26	34	10	16	11	5	10	26	..	..	..	..	..
Diarrheal Diseases.....	144	268	78	66	92	34	3	129	4	..	..	6	5
Phthisis.....	141	156	80	61	2	1	5	8	1	26	74	28	4
Other Tuberculous Diseases	27	29	17	10	10	3	8	21	1	2	1	1	1
Diseases of the Nervous System.....	82	98	41	41	25	4	6	35	3	4	9	15	16
Heart Diseases.....	52	69	25	27	3	2	..	5	1	4	15	18	9
Bronchitis.....	25	19	10	15	15	6	1	22	..	1	1	..	1
Pneumonia	91	79	53	38	24	21	8	53	2	7	15	8	6
Other Diseases of Re- spiratory Organs.....	11	14	7	4	1	1	..	2	..	..	3	1	5
Diseases of Digestive System.....	159	209	89	70	77	19	1	97	3	3	18	23	15
Diseases of Urinary System	98	88	48	50	3	1	4	8	1	8	25	32	24
*Congenital Debility.....	109	103	55	54	107	2	..	109	..	..	..	..	..
Old Age.....	30	32	13	17	..	..	..	..	..	..	..	..	30
Suicides	21	12	16	5	..	..	..	..	..	1	15	3	2
Other violent deaths.....	59	89	45	14	1	3	6	10	10	7	18	12	2
†All other causes.....	88	118	33	55	8	2	5	15	3	3	32	21	14

* Including Premature Births, Atrophy, Inanition, Marasmus, Atelectasis, Cyanosis and Preternatural Births.

† Vis.: Erysipelas, 1; Syphilis, 2; Septicæmia, 1; Cerebro Spinal Fever, 4; Cancer, 32; Anæmia, 1; Rheumatism, 5; Diabetes, 2; Chronic Rheumatism, 2; Embolism, 1; Senile Gangrene, 3; Diseases of Uterus and Vagina, 2; Ovarian Diseases, 4; Puerperal Fever, 2; Miscarriage, 1; Puerperal Convulsions, 3; Post-partum Hemorrhage, 2; Extra Uterine Pregnancy, 1; Childbirth, 1; Uterine Hemorrhage, 1; Spinal Disease, 1; Carbuncle, 1; Ulcers, 1; Furunculosis, 1; Alcoholism, 8; Foramen Ovale Open, 2; Imperforate Rectum, 2; Spina Bifida, 1; Malformation of Heart, 1.

Deaths by Violence in Detail:

Fractures and Contusions, 26; Burns and Scalds, 6; Drowning, 11; Suffocation, 2; Railroad, 6; Electric Current, 1; Sunstroke, 6; Homicide, 1.

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—													
	June 3	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug. 5.	Aug. 12.	Aug. 19.	Aug. 26.	
Total deaths.....	1,202	1,462	1,070	1,160	1,369	1,607	1,652	1,559	1,444	1,245	1,318	1,142	1,225	
Annual death-rate	17.67	21.49	15.73	17.05	20.12	23.62	24.28	22.91	21.22	18.30	19.37	16.78	18.00	
Diphtheria	46	37	31	30	31	42	25	42	24	19	30	25	20	
Croup.....	10	7	10	3	7	6	2	6	1	4	1	5	9	
Malarial Fevers.....	3	4	5	1	4	3	5	2	11	6	4	1	4	
Measles	19	30	16	12	8	13	11	13	7	8	11	7	6	
Scarlet Fever.....	14	19	13	14	8	7	6	10	4	5	2	2	7	
Small-pox	2	3	2	2	..	1	..	..	..	..	..	..	..
Typhoid Fever	5	3	6	5	8	10	11	8	10	15	12	17	16	
Typhus Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough.....	11	12	9	10	9	10	16	19	12	15	15	16	26	
Diarrhoeal Diseases....	19	60	71	120	245	350	344	318	264	180	181	123	144	
Diarrhoeal Diseases } under 5 years.... }	18	58	66	115	231	328	318	300	231	155	159	103	129	
Phthisis	139	137	117	145	139	140	163	154	140	122	169	138	141	
Bronchitis	32	45	26	19	26	20	21	14	29	15	16	18	25	
Pneumonia	168	148	97	100	104	114	103	89	103	63	90	62	91	
Other Diseases of Re- spiratory Organs. }	26	27	15	13	4	14	18	18	17	10	6	9	11	
Violent Deaths	68	173	76	57	68	74	104	62	67	57	73	57	80	
Under one year.....	253	375	263	317	487	634	666	634	512	437	417	311	382	
Under five years.....	440	594	422	495	664	845	873	863	702	600	586	448	573	
Five to sixty-five.....	593	686	499	533	585	600	639	569	578	508	599	549	518	
Sixty-five years and over	169	182	149	132	120	162	140	127	164	137	133	145	134	
In Public and Private } Institutions	273	345	261	283	290	326	380	326	294	279	206	286	272	
Inquest Cases.....	163	214	109	144	194	169	217	157	154	154	171	169	141	
Mean barometer.....	29.89	29.909	29.961	29.958	29.981	29.915	29.880	29.838	29.899	29.840	29.812	29.947	29.852	
Mean humidity.....	67.	68.	73.	68.	66.	74.	62.	57.	73.	76.	74.	76.	78.	
Inches of rain and snow	.04	..	.83	.47	.06	1.94	.66	.58	.88	.82	2.30	.02	.27	
Mean temperature (Fahrenheit).....	73.4°	78.2°	73.5°	73.4°	72.1°	78.6°	75.4°	77.7°	75.8°	77.6°	74.1°	74.3°	78.2°	
Maximum tempera- ture (Fahrenheit).....	88.0°	95.0°	92.0°	91.0°	84.0°	93.0°	88.0°	90.0°	95.0°	94.0°	88.0°	92.0°	93.0°	
Minimum temperature (Fahrenheit).....	58.0°	63.0°	57.0°	61.0°	59.0°	64.0°	66.0°	66.0°	64.0°	65.0°	60.0°	62.0°	69.0°	

Cases of Infectious and Contagious Diseases Reported and Deaths from the Same, by Wards.

BOROUGH.	WARDS.	SICKNESS.						DEATHS REPORTED.						All Causes.
		Diphtheria.	Croup.	Measles.	Scarlet Fever.	Small-pox.	Typhoid Fever.	Diphtheria.	Croup.	Measles.	Scarlet Fever.	Small-pox.	Typhoid Fever.	
Manhattan.	Fifteenth.....	2	..	2	..	..	1	1	..	..	..	..	..	1
	Sixteenth.....	2	..	4	3	..	1	1	..	..	..	..	..	7
	Seventeenth.....	5	..	8	1	..	4	11	1	..	1	..	1	3
	Eighteenth.....	6	..	1	3	..	3	3	..	..	..	..	..	3
	Nineteenth.....	21	..	15	1	..	1	14	1	2	1	..	1	12
	Twentieth.....	3	1	4	1	..	1	11	..	1	1	..	..	2
	Twenty-first.....	3	1	1	2	..	2	4	1	..	..	..	..	5
	Twenty-second.....	10	2	2	9	..	3	6	3	1	..	..	..	8
	Twenty-third.....	8	2	2	1	..	..	3	1	..	..	..	1	14
	Twenty-fourth.....	4	..	..	..	..	4	..	1	..	..	..	..	3
	Total.....	101	12	81	39	..	40	101	15	5	5	3	9	95
The Bronx.	First.....	..	..	..	..	..	..	..	..	..	..	..	..	4
	Second.....	..	..	..	..	..	..	..	..	..	..	..	..	1
	Third.....	..	..	..	..	..	..	..	..	..	..	..	..	6
	Fourth.....	..	..	..	..	..	1	..	..	..	..	..	..	7
	Fifth.....	2	..	..	1	..	..	..	..	..	..	..	..	10
	Sixth.....	..	..	..	..	..	1	8	..	..	..	..	..	4
	Seventh.....	2	..	1	..	..	1	..	..	..	..	..	..	13
	Eighth.....	6	1	..	..	..	..	..	1	..	..	..	..	25
	Ninth.....	3	..	..	..	..	..	..	..	..	..	..	3	12
	Tenth.....	2	..	1	1	..	1	..	..	..	1	1	1	12
	Eleventh.....	2	..	..	..	..	..	..	..	..	..	..	2	11
	Twelfth.....	..	..	..	..	..	..	..	..	..	1	..	1	9
	Thirteenth.....	..	..	..	..	..	..	..	..	..	..	..	1	6
	Fourteenth.....	..	..	1	..	..	..	..	..	..	..	..	2	15
	Fifteenth.....	..	..	..	1	..	..	..	..	..	..	..	1	10
	Sixteenth.....	5	1	..	..	..	1	..	..	..	..	1	1	20
	Seventeenth.....	2	..	..	5	..	..	1	..	..	..	..	2	17
	Eighteenth.....	..	..	..	1	..	1	..	1	..	1	..	2	12
	Nineteenth.....	..	..	2	..	..	..	..	..	..	..	2	1	9
	Twentieth.....	..	..	..	..	..	1	..	..	..	..	..	..	7
	Twenty-first.....	1	..	..	2	..	..	1	..	..	..	..	4	17
	Twenty-second.....	1	..	1	..	..	1	..	..	..	..	1	2	17
	Twenty-third.....	1	..	..	..	..	1	..	..	..	..	..	1	14
	Twenty-fourth.....	1	..	..	..	..	1	2	..	..	..	..	1	7
	Twenty-fifth.....	..	..	8	..	..	..	..	..	..	..	..	1	8
	Twenty-sixth.....	1	..	..	..	3	1	..	1	..	..	..	1	11
	Twenty-seventh.....	..	1	..	..	1	..	..	1	..	..	1	2	14
	Twenty-eighth.....	5	..	1	4	..	..	..	..	..	..	..	1	17
	Twenty-ninth.....	1	..	..	..	..	3	..	..	..	..	1	7	31
	Thirtieth.....	..	..	1	2	..	..	..	..	1	..	..	..	8
	Thirty-first.....	1	..	..	..	..	1	..	..	..	..	..	..	6
	Thirty-second.....	..	..	..	..	..	1	..	..	..	..	..	..	1
	Total.....	36	3	16	17	..	15	15	4	3	..	4	7	42
Queens.	First.....	3	..	..	..	..	..	1	..	..	..	..	..	26
	Second.....	1	1	..	..	..	..	..	1	..	..	..	1	14
	Third.....	..	..	..	..	4	..	..	..	..	..	..	1	12
	Fourth.....	1	..	..	1	..	1	..	..	..	..	..	..	14
	Fifth.....	..	..	6	..	..	..	..	1	..	..	..	1	4
	Total.....	5	1	6	1	..	5	..	1	1	1	..	3	70
Richmond.	First.....	..	..	1	1	..	1	..	..	..	..	..	1	11
	Second.....	..	..	..	1	..	..	..	..	..	..	..	..	4
	Third.....	..	..	..	..	..	..	..	..	..	..	..	..	10
	Fourth.....	..	..	..	..	..	..	..	..	..	..	..	..	6
	Fifth.....	..	..	..	..	..	..	..	..	..	..	..	..	3
	Total.....	..	..	1	2	..	1	..	..	..	..	..	1	34

General Work of the Department.

Total inspections of premises.....	24,718
" orders issued for abatement of nuisances.....	1,492
" inspections of milk and other foods.....	18,609
" pounds of food condemned and destroyed.....	693,928
" chemical analyses made.....	3
" bacteriological examinations made for diphtheria.....	349
" bacteriological examinations made for tuberculosis.....	56
" vaccinations performed.....	80
" children's employment certificates granted.....	221
" children's employment certificates refused.....	20
" medical inspection of schools.....	.....

Analysis of Croton Water, August 25, 1899.

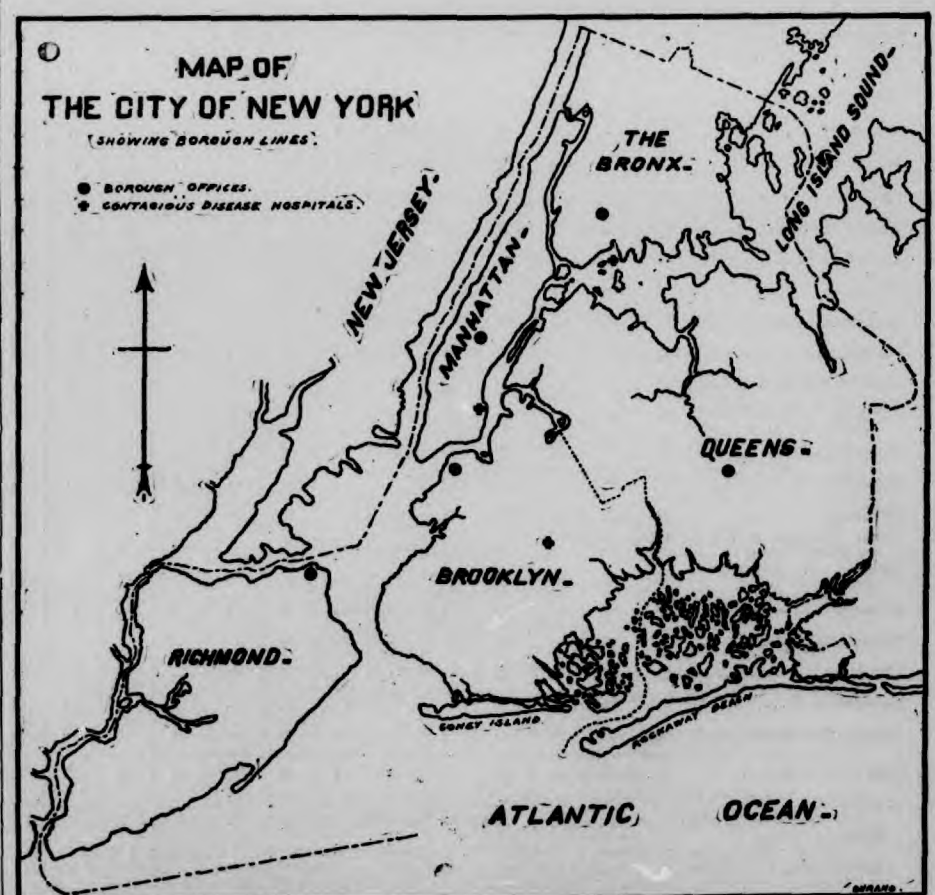
	RESULTS, EXPRESSED IN GRAINS PER U. S. GALLON OF 231 CUBIC INCHES.	RESULTS, EXPRESSED IN PARTS BY WEIGHT IN ONE HUNDRED THOUSAND.
Appearance.....	Slightly turbid.	Slightly turbid.
Color.....	Yellowish brown.	Yellowish brown.
Odor (Heated to 100° Fahr.).....	Marshy.	Marshy.
Chlorine in Chlorides.....	0.115	0.198
Equivalent to Sodium Chloride.....	0.191	0.327
Phosphates (P ₂ O ₅).....	None.	None.
Nitrogen in Nitrites.....	None.	None.
Nitrogen in Nitrates.....	0.0118	0.0202
Free Ammonia.....	0.0003	0.0005
Albuminoid Ammonia.....	0.0105	0.0180
Total Nitrogen.....	0.0206	0.0354
Hardness equivalent to Carbonate of Lime { Before boiling.....	2.09	3.58
After boiling.....	2.09	3.58
Organic and volatile (loss on ignition).....	3.441	5.90
Mineral matter (non-volatile).....	0.583	1.00
Total solids (by evaporation).....	4.024	6.90

Temperature at hydrant, 72° Fahr.

Analysis of Ridgewood Water, August 24, 1899.

	RESULTS, EXPRESSED IN GRAINS PER U. S. GALLON OF 231 CUBIC INCHES.	RESULTS, EXPRESSED IN PARTS BY WEIGHT IN ONE HUNDRED THOUSAND.
Appearance.....	Very slightly turbid.	Very slightly turbid.
Color.....	Light yellowish brown.	Light yellowish brown.
Odor (Heated to 100° Fahr.).....	Marshy.	Marshy.
Chlorine in Chlorides.....	1.270	2.178
Equivalent to Sodium Chloride.....	2.098	3.597
Phosphates (P ₂ O ₅).....	None.	None.
Nitrogen in Nitrites.....	None.	None.
Nitrogen in Nitrates.....	0.0526	0.0902
Free Ammonia.....	0.0003	0.0005
Albuminoid Ammonia.....	0.0012	0.0020
Total Nitrogen.....	0.0538	0.0922
Hardness equivalent to Carbonate of Lime { Before boiling.....	1.90	3.26
After boiling.....	1.90	3.26
Organic and volatile (loss on ignition).....	3.966	6.80
Mineral matter (non-volatile).....	1.516	2.60
Total solids (by evaporation).....	5.482	9.40

Temperature at hydrant, 72° Fahr.



By order of the Board.

CASPAR GOLDBERMAN, Secretary pro tem.

BOARDS OF LOCAL IMPROVEMENTS.

FIFTEENTH DISTRICT, BOROUGH OF MANHATTAN.

Meeting held in Borough Office, City Hall, June 22, 1899, 2 P. M.

The roll was called and the following members answered to their names :
Councilman Mundorf and Alderman Sherman.
On motion, Alderman Sherman was elected Chairman of the meeting.
The Secretary read a petition signed by Messrs. Nugent and Jackson and twenty-one others requesting that Broadway, around Union square, and from Fourteenth to Forty-second street, be asphalted, which petition had been laid over from previous meeting.
Councilman Mundorf offered the following resolution :
Resolved, That the Board of Local Improvements of the Fifteenth District of the Borough of Manhattan deny the request of the petitioners.
Adopted.
On motion, the meeting adjourned.

I. E. RIDER, Secretary.

BOARD OF LOCAL IMPROVEMENTS.

SEVENTEENTH DISTRICT, BOROUGH OF MANHATTAN.

Meeting held in Borough Office, City Hall, June 20, 1899, 2 P. M.

The roll was called and the following members answered to their names :
James J. Coogan, President, in the chair, and Aldermen Muh and Harrington.
The minutes of the previous meeting were read and approved.
The President submitted a communication from the Commissioner of Highways requesting that action be taken looking to the reregulating and regrading, setting and resetting of the sidewalks and curbstones on Fifty-first street, between Eleventh and Twelfth avenues.
Alderman Muh offered the following resolution :
Resolved, That the Board of Local Improvements of the Seventeenth District of the Borough of Manhattan recommend to the Board of Public Improvements that the sidewalks on Fifty-first street, between Eleventh and Twelfth avenues, be flagged and reflagged, and the curbstones between the above-mentioned points be re-regulated, regraded, set and reset.
Adopted.
On motion, the meeting adjourned.

I. E. RIDER, Secretary.

BOARD OF LOCAL IMPROVEMENTS.

NINETEENTH DISTRICT, BOROUGH OF MANHATTAN.

Meeting held in Borough Office, City Hall, June 27, 1899, 12 M.

The roll was called, and the following members answered to their names :
James J. Coogan, President, in the chair ; Councilman Wise, and Aldermen Roddy, Goodman and Woodward.
The minutes of the previous meeting were read and approved.
The President submitted a communication from Alderman Roddy requesting that the condition of One Hundred and Twelfth street, from Eighth to Manhattan avenue, be considered.
Alderman Roddy offered the following resolution :
Resolved, That the Board of Local Improvements of the Nineteenth District of the Borough of Manhattan recommend to the Board of Public Improvements that One Hundred and Twelfth street, between Eighth and Manhattan avenues, be paved with asphalt.
Adopted.
The President submitted a communication from the Commissioner of Highways, calling the Board's attention to the condition of Ninety-second street, between West End avenue and Riverside drive.
Alderman Roddy offered the following resolution :
Resolved, That the Board of Local Improvements of the Nineteenth District of the Borough of Manhattan recommend to the Board of Public Improvements that Ninety-second street, between West End avenue and Riverside drive, be paved with asphalt on a concrete foundation.
Adopted.
On motion, the meeting adjourned.

I. E. RIDER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION OF THE CITY OF NEW YORK,
NEW CRIMINAL COURT BUILDING, CENTRE, ELM, FRANKLIN AND WHITE STREETS,
NEW YORK, September 6, 1899.

Supervisor of the City Record :

DEAR SIR—In accordance with the provisions of law, I have the honor to notify you of the following appointments, reinstatements, etc., in the various City Departments :

APPOINTMENTS.

Dietrick Badenhop, Flushing, Borough of Queens, Laborer, Department of Highways, from August 31, 1899, \$2 per day.
Joseph Sheehy, Flushing, Borough of Queens, Laborer, Department of Highways, from August 31, 1899, \$2 per day.
George J. Hines, Flushing, Borough of Queens, Laborer, Department of Highways, from August 31, 1899, \$2 per day.
Edward Heslin, Flushing, Borough of Queens, Laborer, Department of Highways, from August 31, 1899, \$2 per day.
Christopher Smith, No. 47 Jane street, Borough of Manhattan, Laborer, Department of Sewers, from September 5, 1899, \$2 per day.

REINSTATEMENTS.

Thomas F. Coyle, Yonkers, N. Y., Foreman, Department of Water Supply, from August 31, 1899.
Daniel Hughes, No. 619 East One Hundred and Forty-ninth street, Borough of The Bronx, Laborer, Department of Highways, from August 30, 1899, \$2 per day.
Frank Murphy, Moshulu avenue, Borough of The Bronx, Laborer, Department of Highways, from August 30, 1899, \$2 per day.
William J. Butler, Unionport, Borough of The Bronx, Laborer, Department of Highways, from July 26, 1899, \$2 per day.
James McCarthy, No. 16 Willett street, Borough of Manhattan, Paver, Department of Highways, from September 1, 1899, \$4 per day.

CHANGES OF TITLE.

Robert Neill, No. 1355 Boston road, Borough of The Bronx, from Sounder to Driver, Department of Highways, from September 2, 1899, \$2 per day.
Thomas Daily, No. 529 East One Hundred and Fifty-second street, Borough of The Bronx, from Flagger to Driver, Department of Highways, from September 2, 1899, \$2.50 per day.
John Griffin, No. 3047 Third avenue, Borough of The Bronx, from Laborer to Driver, Department of Highways, from September 2, 1899, \$2 per day.
Philip Hoffman, East One Hundred and Fifty-second street, Borough of The Bronx, from Laborer to Driver, Department of Highways, from September 2, 1899, \$2.50 per day.
Max H. Knobel, No. 594 East One Hundred and Fifty-seventh street, Borough of The Bronx, from Assistant Foreman to Driver, Department of Highways, from September 2, 1899, \$3 per day.
George J. Keppler, Westchester avenue, Borough of The Bronx, from Laborer to Driver, Department of Highways, from September 2, 1899, \$2.50 per day.
John J. Adams, No. 530 East One Hundred and Fiftieth street, Borough of The Bronx, from Laborer to Driver, Department of Highways, from September 2, 1899, \$2 per day.
James T. Adams, Westchester, Borough of The Bronx, from Laborer to Driver, Department of Highways, from September 2, 1899, \$2.50 per day.
Matthew Colford, Westchester, Borough of The Bronx, from Laborer to Driver, Department of Highways, from September 2, 1899, \$2.50 per day.
Ambrose Smith, East One Hundred and Seventy-sixth street, Borough of The Bronx, from Laborer to Driver, Department of Highways, from September 2, 1899, \$2.50 per day.
James P. Jones, No. 584 Eagle avenue, Borough of The Bronx, from Laborer to Driver, Department of Highways, from September 2, 1899, \$2.25 per day.

Henry Hanlon, No. 825 Bergen street, Borough of Brooklyn, from Laborer to Driver, Department of Highways, from August 30, 1899, \$2 per day.
Phillip Emerich, No. 581 East One Hundred and Fifty-fourth street, Borough of The Bronx, from Laborer to Stableman, Department of Sewers, from August 28, 1899, \$2.25 per day.
Henry Hinck, No. 219 East One Hundred and Twenty-second street, Borough of The Bronx, from Laborer to Stableman, Department of Sewers, from August 28, 1899, \$2.50 per day.
Yours respectfully,
F. A. SPENCER, Labor Clerk.

DEPARTMENT OF PUBLIC CHARITIES.

BOROUGH OF RICHMOND.

REPORT OF TRANSACTIONS FOR THE WEEK ENDING AUGUST 29, 1899.

DEPARTMENT OF PUBLIC CHARITIES—BOROUGH OF RICHMOND,
COMMISSIONER'S OFFICE, STAPLETON,
NEW YORK, August 30, 1899.

Report of Superintendent of Almshouse, labor, census, Hospital, etc., and report of Superintendent of Out-door Poor, approved and placed on file.
Approved weekly requisition of Almshouse.

August 24.

Approved bill of Nursery and Child's Hospital for the quarter ending June 30, 1899. \$97 71

—and transmitted same to Auditor.

The following is the report for the week ending August 29, 1899 :

Committed to Almshouse	2
Ambulance call	1
Dependent children committed	2
Dependent children provided with a free home	2

JAMES FEENY, Commissioner.

APPROVED PAPERS.

No. 804.

Resolved, That permission be and the same is hereby given to the United Democratic Clubs of the Thirty-first Assembly District to suspend a banner at One Hundred and Twenty-fifth street and Lenox avenue, in the Borough of Manhattan, the consent of the property-owners thereto having been previously obtained, the work to be done at their own expense, under the direction of the Commissioner of Highways ; such permission to continue only until September 25, 1899.

Adopted by the Board of Aldermen, August 9, 1899.

Adopted by the Council, August 9, 1899.

Approved by the Acting Mayor, August 19, 1899.

COMMISSIONER OF RECORDS,
KINGS COUNTY.

THE COMMISSIONER OF RECORDS,
KINGS COUNTY,
ROOM 1, HALL OF RECORDS,
BOROUGH OF BROOKLYN,
NEW YORK CITY, September 7, 1899.

Supervisor of the City Record :

DEAR SIR—In accordance with sections 1528 and 1546 of the Charter of New York, you are hereby notified that, under the provisions of chapter 591 of the Laws of 1899 (which became a law May 15, 1899), the following appointments were made on the 1st day of September, 1899, during and subject to the pleasure of the Commissioner, salaries not yet fixed :
James Trimmer, No. 510 Flatbush avenue.
William J. Burke, No. 558 Kosciusko street.
Respectfully,
F. M. THORBURN,
Deputy Commissioner.

MUNICIPAL ASSEMBLY.

THE CITY OF NEW YORK,
OFFICE OF THE CITY CLERK,
CITY HALL,
NEW YORK, September 6, 1899.

To whom it may concern :

A public hearing in the matter of the application of the Manhattan Tunnel Railway Company will be held before the Joint Committee on Railroads at the Councilmanic Chamber, in the City Hall, in the Borough of Manhattan, in The City of New York, on Friday, September 8, 1899, at 3 P. M.

All persons interested in said application are notified to be present at the time and place aforesaid, and an opportunity will be then given them to be heard in relation thereto.

P. J. SCULLY,
City Clerk.

OFFICIAL DIRECTORY.

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

EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 6 City Hall 9 A. M. to 4 P. M. ; Saturdays, 9 A. M. to 12 M.
ROBERT A. VAN WYCK, Mayor.
ALFRED M. DOWNES, Private Secretary.

Bureau of Licenses.

9 A. M. to 4 P. M. ; Saturdays, 9 A. M. to 12 M.
DAVID J. ROCHE, Chief of Bureau.
Principal Office, Room 1, City Hall. GEORGE W. BROWN, Jr., Deputy Chief in Boroughs of Manhattan and The Bronx.
Branch Office, Room 2, Borough Hall, Brooklyn ; WILLIAM H. JORDAN, Deputy Chief in Borough of Brooklyn.
Branch Office, "Richmond Building," New Brighton, S. I. ; WILLIAM H. McCABE, Deputy Chief in Borough of Richmond.
Branch Office, "Hackett Building," Long Island City ; PETER FLANAGAN, Deputy Chief in Borough of Queens.

THE CITY RECORD OFFICE,

And Bureau of Printing, Stationery and Blank Books.

No. 2 City Hall, 9 A. M. to 4 P. M., Saturday, 9 A. M. to 12 M.
WILLIAM A. BUTLER, Supervisor ; SOLON BERRICK, Deputy Supervisor ; THOMAS C. COWELL, Deputy Supervisor and Accountant.

BOARD OF ESTIMATE AND APPORTIONMENT.
The MAYOR, Chairman ; THOMAS L. FEITNER (President, Department of Taxes and Assessments), Secretary the COMPTROLLER, PRESIDENT OF THE COUNCIL, and the CORPORATION COUNSEL, Members ; CHARLES V. ADER, Clerk.
Office of Clerk, Department of Taxes and Assessments, Stewart Building.

COMMISSIONERS OF THE SINKING FUND.
The MAYOR, Chairman ; BIRD S. COLER, Comptroller ; PATRICK KEENAN, Chamberlain ; RANDOLPH GUGGENHEIMER, President of the Council, and ROBERT MUH, Chairman, Finance Committee, Board of Aldermen, Members. EDGAR J. LEVEY, Secretary.
Office of Secretary, Room No. 11, Stewart Building.

BOARD OF ARMY COMMISSIONERS.
The MAYOR, Chairman ; PRESIDENT OF DEPARTMENT OF TAXES AND ASSESSMENTS, Secretary ; HENRY S. KEARNY, McCOSKRY BUTT and JAMES MCLEER, Commissioners.
Address, THOMAS L. FEITNER, Stewart Building.
Office hours, 9 A. M. to 4 P. M. ; Saturdays, 9 A. M. to 12 M.

MUNICIPAL ASSEMBLY.

THE COUNCIL.

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

BOARD OF ALDERMEN.

THOMAS F. WOODS, President.
MICHAEL F. BLAKE, Clerk.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115 Stewart Building, 9 A. M. to 4 P. M.
JOHN C. HERTLE and EDWARD OWEN, Commissioners.

BOROUGH PRESIDENTS.

Borough of Manhattan.

Office of the President of the Borough of Manhattan, Nos. 10, 11 and 12 City Hall. 9 A. M. to 4 P. M. ; Saturdays, 9 A. M. to 12 M.
JAMES J. COOGAN, President.
IRA EDGAR RIDER, Secretary.

Borough of The Bronx.

Office of the President of the Borough of The Bronx, corner Third avenue and One Hundred and Seventy-seventh street. 9 A. M. to 4 P. M. ; Saturdays, 9 A. M. to 12 M.
LOUIS F. HAFEN, President.

Borough of Brooklyn.

President's Office, No. 1 Borough Hall. 9 A. M. to 4 P. M. ; Saturdays, 9 A. M. to 12 M.
EDWARD M. GROUT, President.

Borough of Queens.

FREDERICK BOWLEY, President.
Office, Long Island City. 9 A. M. until 4 P. M. ; Saturdays, from 9 A. M. until 12 M.

Borough of Richmond.

GEORGE CROMWELL, President.
Office of the President, First National Bank Building, New Brighton ; 9 A. M. to 4 P. M. ; Saturdays, 9 A. M. to 12 M.

PUBLIC ADMINISTRATOR.

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

PUBLIC ADMINISTRATOR, KINGS COUNTY.

No. 189 Montague street, Brooklyn, 9 A. M. to 5 P. M., except Saturdays in June, July and August, 9 A. M. to 1 P. M.
WM. B. DAVENPORT, Public Administrator.

AQUEDUCT COMMISSIONERS.

Room 200 Stewart Building, 5th floor, 9 A. M. to 4 P. M.
JOHN J. RYAN, MAURICE J. POWER, WILLIAM H. TEN EYCK, JOHN P. WINDOLPH and THE MAYOR, and COMPTROLLER, Commissioners ; HARRY W. WALKER, Secretary, A. FTELEY, Chief Engineer.

DEPARTMENT OF FINANCE.

Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
BIRD S. COLER, Comptroller.
MICHAEL T. DALY, EDGAR J. LEVEY, Deputy Comptrollers.

Auditing Bureau.

JOHN F. GOULDSBURY, First Auditor of Accounts, Borough of Manhattan.
EDWARD J. CONNELL, Auditor of Accounts, Borough of The Bronx.
WILLIAM MCKINNY, First Auditor of Accounts, Borough of Brooklyn.
FRANCIS R. CLAIR, Auditor of Accounts, Borough of Queens.
WALTER H. HOLT, Auditor of Accounts, Borough of Richmond.

Bureau for the Collection of Assessments and Arrears.

EDWARD GILON, Collector of Assessments and Arrears.
JOHN KELLEHER, Deputy Collector of Assessments and Arrears, Borough of Manhattan.
JAMES E. STANFORD, Deputy Collector of Assessments and Arrears, Borough of The Bronx.
MICHAEL O'KEEFE, Deputy Collector of Assessments and Arrears, Borough of Brooklyn.
JOHN F. ROGERS, Deputy Collector of Assessments and Arrears, Borough of Queens.
GEORGE BRAND, Deputy Collector of Assessments and Arrears, Borough of Richmond.

Bureau for the Collection of Taxes.

DAVID E. AUSTEN, Receiver of Taxes.
JOHN J. McDONOUGH, Deputy Receiver of Taxes, Borough of Manhattan.
JOHN B. UNDERHILL, Deputy Receiver of Taxes, Borough of The Bronx.
JAMES B. BOUCK, Deputy Receiver of Taxes, Borough of Brooklyn.
FREDERICK W. BLECKWERN, Deputy Receiver of Taxes, Borough of Queens.
MATTHEW S. TULLY, Deputy Receiver of Taxes, Borough of Richmond.

Bureau for the Collection of City Revenue and Superintendent of Markets.

DAVID O'BRIEN, Collector of City Revenue and Superintendent of Markets.
ALEXANDER MEAKIN, Clerk of Markets.

Bureau of the City Chamberlain.

PATRICK KEENAN, City Chamberlain.
JOHN H. CAMPBELL, Deputy Chamberlain.

Office of the City Paymaster.

No. 83 Chambers street and No. 65 Reade street
JOHN H. TIMMERMAN, City Paymaster.

BOARD OF PUBLIC IMPROVEMENTS.

Nos. 13 to 21 Park Row, 18th floor, 9 A. M. to 4 P. M.
Saturdays, 9 A. M. to 12 M.
MAURICE F. HOLAHAN, President.
JOHN H. MOONEY, Secretary.

Department of Highways.

Nos. 13 to 21 Park Row, 9 A. M. to 4 P. M.
JAMES P. KEATING, Commissioner of Highways.
WILLIAM N. SHANNON, Deputy for Manhattan.
THOMAS R. FARRELL, Deputy for Brooklyn.
JAMES H. MALONEY, Deputy for Bronx.
JOHN P. MADDEN, Deputy for Queens.
HENRY P. MORRISON, Deputy and Chief Engineer for Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Sewers.

Nos. 13 to 21 Park Row, 9 A. M. to 4 P. M.
JAMES KANE, Commissioner of Sewers.
MATTHEW F. DONOHUE, Deputy for Manhattan.
THOMAS J. BYRNES, Deputy for Bronx.
WILLIAM BRENNAN, Deputy for Brooklyn.
MATTHEW J. GOLDNER, Deputy Commissioner of Sewers, Borough of Queens.
HENRY P. MORRISON, Deputy Commissioner and Chief Engineer of Sewers, Borough of Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Bridges.

Nos. 13 to 21 Park Row, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.
JOHN L. SHRA, Commissioner.
THOMAS H. YORK, Deputy.
SAMUEL R. PROBACCO, Chief Engineer.
MATTHEW H. MOORE, Deputy for Bronx.
HARRY BEAM, Deputy for Brooklyn.
JOHN E. BACKUS, Deputy for Queens.

Department of Water Supply.

Nos. 13 to 21 Park Row, 9 A. M. to 4 P. M.
WILLIAM DALTON, Commissioner of Water Supply.
JAMES H. HASLIN, Deputy Commissioner.
GEORGE W. BIRDSALL, Chief Engineer.
W. G. BYRNE, Water Register.
JAMES MOFFETT, Deputy Commissioner, Borough of Brooklyn, Municipal Building.
WILLIAM RASQUIN, Jr., Deputy Commissioner, Borough of Queens, Long Island City.
THOMAS J. MULLIGAN, Deputy Commissioner, Borough of The Bronx, Crotona Park Building.
HENRY P. MORRISON, Deputy Commissioner, Borough of Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Street Cleaning.

Nos. 13 to 21 Park Row, 9 A. M. to 4 P. M.
JAMES MCCARTNEY, Commissioner.
F. M. GIBSON, Deputy Commissioner for Borough of Manhattan, No. 346 Broadway.
PATRICK H. QUINN, Deputy Commissioner for Borough of Brooklyn, Room 37 Municipal Building.
JOSEPH LIEBERTZ, Deputy Commissioner for Borough of The Bronx, No. 615 East One Hundred and Fifty-second street.
JOHN P. MADDEN, Deputy Commissioner for Borough of Queens, Municipal Building, Long Island City.

Department of Buildings, Lighting and Supplies.

Nos. 13 to 21 Park Row, 9 A. M. to 4 P. M.
HENRY S. KEARNY, Commissioner of Public Buildings, Lighting and Supplies.
PETER J. DOOLING, Deputy Commissioner for Manhattan.
WILLIAM WALTON, Deputy Commissioner for Brooklyn.
JOEL FOWLER, Deputy Commissioner for Queens.
EDWARD I. MILLER, Deputy Commissioner for Richmond.

LAW DEPARTMENT.

Office of Corporation Counsel.
Staats-Zeitung Building, 3d and 4th floors 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.
JOHN WHALEN, Corporation Counsel.
THEODORE CONNOLLY, W. W. LADD, Jr., CHARLES BLANDY, Assistants.
WILLIAM J. CARR, Assistant Corporation Counsel for Brooklyn.

Bureau for Collection of Arrears of Personal Taxes.

Stewart Building, Broadway and Chambers street, 9 A. M. to 4 P. M.
JAMES C. SPENCER, Assistant Corporation Counsel.

Bureau for the Recovery of Fines.

Nos. 119 and 121 Nassau street.
ADRIAN T. KIRKMAN, Assistant Corporation Counsel.

Bureau of Street Openings.

Nos. 90 and 92 West Broadway.
JOHN P. DUNN, Assistant to Corporation Counsel.

POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.
BERNARD J. YORK, President of the Board; JOHN B. SEXTON, JACOB HESS, HENRY E. ABELL, Commissioners.

DEPARTMENT OF PUBLIC CHARITIES.

Central Office.

Foot of East Twenty-sixth street, 9 A. M. to 4 P. M.
JOHN W. KELLER, President of the Board; Commissioner for Manhattan and Bronx.
THOMAS S. BRENNAN, Deputy Commissioner.
ADOLPH SMIS, Jr., Commissioner for Brooklyn and Queens, Nos. 126 and 128 Livingston street, Brooklyn.
EDWARD GLINNE, Deputy Commissioner.
JAMES FENNEY, Commissioner for Richmond.
Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 A. M. to 4 P. M. Saturdays, 12 M.
Out-door Poor Department. Office hours, 8.30 A. M. to 4.30 P. M.

DEPARTMENT OF CORRECTION.

Central Office.

No. 148 East Twentieth street, 9 A. M. to 4 P. M.
FRANCIS J. LANTRY, Commissioner.
N. O. FANNING, Deputy Commissioner.
JAMES J. KIRWIN, Deputy Commissioner for Boroughs of Brooklyn and Queens.

FIRE DEPARTMENT.

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

Headquarters.

Nos. 157 and 159 East Sixty-seventh street.
JOHN J. SCANNELL, Fire Commissioner.
JAMES H. TULLY, Deputy Commissioner, Boroughs of Brooklyn and Queens.
AUGUSTUS T. DOCHARTY, Secretary.
EDWARD F. CROKER, Chief of Department, and in Charge of Fire-alarm Telegraph.
JAMES DALE, Deputy Chief, in Charge of Boroughs of Brooklyn and Queens.
GEORGE E. MURRAY, Inspector of Combustibles.
PETER SEERY, Fire Marshal, Boroughs of Manhattan The Bronx and Richmond.
ALONZO BRYMER, Fire Marshal, Boroughs of Brooklyn and Queens.
Central Office open at all hours.

DEPARTMENT OF DOCKS AND FERRIES.

Pier "A," N. R., Battery place.
J. SERGEANT CRAM, President; CHARLES F. MURPHY, Treasurer; PETER F. MEYER, Commissioners.
WILLIAM H. BURKE, Secretary.
Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.

DEPARTMENT OF HEALTH.

Southwest corner of Fifty-fifth street and Sixth avenue, 9 A. M. to 4 P. M.
MICHAEL C. MURPHY, President, and WILLIAM T. JENKINS, M. D., JOHN B. COSBY, M. D., THE PRESIDENT OF THE POLICE BOARD, ex-officio, and the HEALTH OFFICER OF THE PORT, ex-officio, Commissioners.
EMMONS CLARK, Secretary.
CHARLES F. ROBERTS, M. D., Superintendent, Borough of Manhattan.
EUGENE MONAHAN, M. D., Assistant Sanitary Superintendent, Borough of The Bronx.
ROBERT A. BLACK, M. D., Assistant Sanitary Superintendent, Borough of Brooklyn.
OED L. LUSK, M. D., Assistant Sanitary Superintendent, Borough of Queens.
JOHN L. FEENEY, M. D., Assistant Sanitary Superintendent, Borough of Richmond.

DEPARTMENT OF PARKS.

Arsenal Building, Central Park, 9 A. M. to 4 P. M.; Saturdays, 12 M.
GEORGE C. CLAUSEN, President, Commissioner in Manhattan and Richmond.
GEORGE V. BROWER, Commissioner in Brooklyn and Queens.
AUGUST MOEBUS, Commissioner in Borough of The Bronx, Zbrowski Mansion, Claremont Park.

DEPARTMENT OF BUILDINGS.

Main Office, No. 220 Fourth avenue, Borough of Manhattan. Office hours, 9 A. M. to 4 P. M.; Saturday, 9 A. M. to 12 M.
THOMAS J. BRADY, President of the Board of Buildings and Commissioner for the Boroughs of Manhattan and The Bronx.
JOHN GUILFOYLE, Commissioner for the Borough of Brooklyn.
DANIEL CAMPBELL, Commissioner for the Boroughs of Queens and Richmond.
A. J. JOHNSON, Secretary.
Office of the Department for the Boroughs of Manhattan and The Bronx, No. 220 Fourth avenue, Borough of Manhattan.
Office of the Department for the Borough of Brooklyn, Borough Hall, Borough of Brooklyn.
Office of the Department for the Boroughs of Queens and Richmond, Richmond Hall, New Brighton, Staten Island, Borough of Richmond. Branch office: Room 1, second floor, Town Hall, Jamaica, Long Island, Borough of Queens.

DEPARTMENT OF TAXES AND ASSESSMENTS

Stewart Building, 9 A. M. to 4 P. M.; Saturdays, 12 M.
THOMAS L. FEINER, President of the Board; EDWARD C. SHEEHY, ARTHUR C. SALMON, THOMAS J. PATTERSON and WILLIAM GRELL, Commissioners.

BUREAU OF MUNICIPAL STATISTICS.

Nos. 13 to 21 Park Row, Room 1911. Office hours from 9 A. M. to 4 P. M.; Saturdays, from 9 A. M. to 12 M.
JOHN T. NAGLE, M. D., Chief of Bureau.
Municipal Statistical Commission: FREDERICK W. GRUBE, LL. D., HARRY PAYNE WHITNEY, ANTONIC RASINES, JULIUS G. KUGELMAN, RICHARD T. WILSON Jr., ERNEST HARVIER.

MUNICIPAL CIVIL SERVICE COMMISSION.

Criminal Court Building, Centre street, between Franklin and White streets, 9 A. M. to 4 P. M.
CHARLES H. KNOX, President, ALEXANDER T. MASON and WILLIAM N. DYKMAN, Commissioners.
LEE PHILLIPS, Secretary.

BOARD OF ASSESSORS.

Office, No. 320 Broadway, 9 A. M. to 4 P. M.
EDWARD CAMILL, THOMAS A. WILSON, EDWARD MCCUE, PATRICK M. HAVERTY and JOHN B. MEYENBORG, Board of Assessors. WILLIAM H. JASPER, Secretary.

DEPARTMENT OF EDUCATION.

BOARD OF EDUCATION.

No. 146 Grand street, Borough of Manhattan, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.
JOSEPH J. LITTLE, President; A. EMERSON PALMER, Secretary.

School Board for the Boroughs of Manhattan and The Bronx.

No. 146 Grand street, Borough of Manhattan.
JOSEPH J. LITTLE, President; ARTHUR McMULLIN, Secretary.

School Board for the Borough of Brooklyn.

No. 131 Livingston street, Brooklyn.
CHARLES E. ROBERTSON, President; GEORGE G. BROWN, Secretary.

School Board for the Borough of Queens.

Flushing, L. I.
F. DE HAAS SIMONSON, President; JOSEPH H. FITZPATRICK, Secretary.

School Board for the Borough of Richmond.

Stapleton, Staten Island.
JOHN T. BURKE, President; FRANKLIN C. VITT, Secretary.

SHERIFF'S OFFICE.

Stewart Building, 9 A. M. to 4 P. M.
THOMAS J. DUNN, Sheriff; HENRY P. MULVANY, Under Sheriff.

SHERIFF'S OFFICE, KINGS COUNTY.

County Court-house Brooklyn.
FRANK D. CRAWMER, Sheriff; WILLIAM J. BOGENSHUTZ, Under Sheriff.

SHERIFF'S OFFICE, QUEENS COUNTY.

County Court-house, Long Island City, 9 A. M. to 4 P. M.
WILLIAM CAS BAKER, Sheriff; WILLIAM METHVEN, Under Sheriff.

SHERIFF.

County Court-house, Richmond, S. I., 9 A. M. to 4 P. M.
AUGUSTUS ACKER, Sheriff.

REGISTER'S OFFICE.

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

REGISTER, KINGS COUNTY.

Hal 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.
HENRY F. HAGGERTY, Register.
WILLIAM BARRE, Deputy Register.

COMMISSIONER OF JURORS.

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

SPECIAL COMMISSIONER OF JURORS.

No. 111 Fifth avenue.
H. W. GRAY, Commissioner.

COMMISSIONER OF JURORS, KINGS COUNTY.

County Court-house.
WILLIAM A. FUREY, Commissioner.

SPECIAL COMMISSIONER OF JURORS, KINGS COUNTY.

No. 325 Fulton street.
EDWARD J. DOOLEY, Commissioner.

COMMISSIONER OF JURORS, QUEENS COUNTY.

EDWARD J. KNAUER, Commissioner.

COMMISSIONER OF JURORS, RICHMOND COUNTY.

CHARLES J. KULLMAN, Commissioner.
J. HOWARD VAN NAME, Deputy.

NEW YORK COUNTY JAIL.

No. 70 Ludlow street, 9 A. M. to 4 P. M.
PATRICK H. PICKETT, Warden.

COUNTY CLERK'S OFFICE

Nos. 7 and 8 New County Court-house, 9 A. M. to 5 P. M.
WILLIAM SOMMER, County Clerk.
GEORGE H. FAHRBACH, Deputy.

KINGS COUNTY CLERK'S OFFICE.

Hall of Records, Brooklyn, 9 A. M. to 4 P. M.
WILLIAM P. WUEST, County Clerk.
WILLIAM J. LYNCH, Deputy.

QUEENS COUNTY CLERK'S OFFICE.

Jamaica, N. Y., Fourth Ward, Borough of Queens.
Office hours, 8 A. M. to 5 P. M.; Saturdays, 8 A. M. to 12 M.
JOHN H. SUTPHIN, County Clerk.
CHARLES DOWNING, Deputy County Clerk.

RICHMOND COUNTY CLERK'S OFFICE.

County Office Building, Richmond, S. I., 9 A. M. to 4 P. M.
JOSEPH SIMONSON, County Clerk.
CROWELL M. CONNER, Deputy.

NEW EAST RIVER BRIDGE COMMISSION.

Commissioners' Office, Nos. 49 and 51 Chambers street, New York, 9 A. M. to 4 P. M.
LEWIS NIXON, President; JAMES W. BOYLE, Vice-President; JAMES D. BELL, Secretary; JULIAN D. FAIRCHILD, Treasurer; JOHN W. WEBER, SMITH E. LAW and THE MAYOR, Commissioners.
Chief Engineer's Office, No. 84 Broadway, Brooklyn, E. D., 9 A. M. to 5 P. M.

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

Room 58, Schermerhorn Building, No. 96 Broadway.
Meetings, Mondays, Wednesdays and Fridays, at 3 P. M.
WILLIAM E. STILLINGS, Chairman; WARREN W. FOSTER, CHARLES A. JACKSON, Commissioners.
LAMONT McLOUGHLIN, Clerk.

DISTRICT ATTORNEY.

New Criminal Court Building, Centre street, 9 A. M. to 4 P. M.
ASA BIRD GARDNER, District Attorney; WILLIAM J. McKENNA, Chief Clerk.

KINGS COUNTY DISTRICT ATTORNEY.

Office, County Court-house, Borough of Brooklyn.
Hours, 9 A. M. to 4 P. M.
HIRAM R. STEELE, District Attorney; ARTHUR H. WALKLEY, Chief Clerk.

QUEENS COUNTY DISTRICT ATTORNEY

GEORGE W. DAVISON, District Attorney.

RICHMOND COUNTY DISTRICT ATTORNEY

Port Richmond, S. I.
EDWARD S. RAWSON, District Attorney.

CORONERS.

Borough of Manhattan.
Office, New Criminal Court Building. Open at all times of day and night.
EDWARD T. FITZPATRICK, JACOB E. BAUSCH, EDWARD W. HART, ANTONIO ZUCCA.

Borough of The Bronx.

ANTHONY MCOWEN, THOMAS M. LYNCH.

Borough of Brooklyn.

ANTHONY J. BURGER, GEORGE W. DELAP.

Borough of Queens.

PHILIP T. CRONIN, Dr. SAMUEL S. GUY, Jr., LEONARD ROUFF, Jr., Jamaica, L. I.

Borough of Richmond.

JOHN SEAVIER, GEORGE C. TRANTER.

SURROGATES' COURT.

New County Court-house. Court opens at 10.30 A. M.; adjourns 4 P. M.
FRANK T. FITZGERALD, JAMES M. VARNUM, Surrogates; WILLIAM V. LEARY, Chief Clerk.

CITY MAGISTRATES' COURTS.

Courts open from 9 A. M. until 4 P. M.
City Magistrates—HENRY A. BRANN, ROBERT C. CORNELL, LEROY B. CRANE, JOSEPH M. DEUEL, CHARLES A. FLAMMER, LORENZ ZELLER, CLARENCE W. MEADE, JOHN O. MOTT, JOSEPH POOL, JOHN B. MAYO, EDWARD HOGAN, W. H. OLMSTRAD.
LUDWIG F. THOMA, Secretary.
First District—Criminal Court Building
Second District—Jefferson Market
Third District—No. 69 Essex street
Fourth District—Fifty-seventh street, near Lexington avenue.
Fifth District—One Hundred and Twenty-first street southeastern corner of Sylvan place.
Sixth District—One Hundred and Fifty-eighth street and Third avenue.
Seventh District—Fifty-fourth street, west of Eighth avenue.

SECOND DIVISION.

Borough of Brooklyn.
First District—No. 318 Adams street. JACOB BRENNER, Magistrate.
Second District—Court and Butler streets. HENRY BRISTOW, Magistrate.
Third District—Myrtle and Vanderbilt avenues. CHARLES E. TEALE, Magistrate.
Fourth District—Nos. 6 and 8 Lee avenue. WILLIAM KRAMER, Magistrate.
Fifth District—Ewen and Powers streets. ANDREW LEMON, Magistrate.
Sixth District—Gates and Reid avenues. LEWIS R. WORTH, Magistrate.
Seventh District—No. 31 Grant street, Flatbush. ALFRED E. STEERS, Magistrate.
Eighth District—Coney Island. J. LOTT NOSTRAND, Magistrate.

Borough of Queens.
First District—Nos. 21 and 23 Jackson avenue. Long Island City. MATTHEW J. SMITH, Magistrate.
Second District—Flushing, Long Island. LUKE J. CONNORTON, Magistrate.
Third District—Far Rockaway, Long Island. EDMUND J. HEALY, Magistrate.

Borough of Richmond.
First District—New Brighton, Staten Island. JOHN CROAK, Magistrate.
Second District—Stapleton, Staten Island. NATHANIEL MARSH, Magistrate.
Secretary to the Board, FRANK J. GARDNER, Myrtle and Vanderbilt avenues, Borough of Brooklyn.

KINGS COUNTY SURROGATE'S COURT.

County Court-house, Brooklyn.
GEORGE B. ABBOTT, Surrogate; MICHAEL F. MCGOLDRICK, Chief Clerk.

COUNTY JUDGE AND SURROGATE.

County Office Building, Richmond, S. I.
STEPHEN D. STEVENS, County Judge.

KINGS COUNTY TREASURER.

Court-house, Room 14.
JOHN W. KIMBALL, Treasurer; THOMAS F. FARRELL, Deputy Treasurer.

THE COMMISSIONERS OF RECORDS.

Kings County.—Room 7, Hall of Records.
GEORGE E. WALDO, Commissioner.
FRANK M. THORNBURN, Deputy Commissioner.

EXAMINING BOARD OF PLUMBERS

Rooms 14, 15 and 16 Nos. 149 to 151 Church street.
President, JOHN RENEHAN; Secretary, JAMES E. MCGOVERN; Treasurer, EDWARD HALLEY, HORACE LOOMIS, P. J. ANDREWS, ex-officio.
Meet every Monday, Wednesday and Friday at 2 P. M.

SUPREME COURT.

County Court-house, 10.30 A. M. to 4 P. M.
Special Term, Part I., Room No. 2.
Special Term, Part II., Room No. 15.
Special Term, Part III., Room No. 19.
Special Term, Part IV., Room No. 11.
Special Term, Part V., Room No. 23.
Special Term, Part VI., Room No. 21.
Special Term, Part VII., Room No. 25.
Special Term, Part VIII., Room No. 34.
Trial Term, Part II., Room No. 16.
Trial Term, Part III., Room No. 17.
Trial Term, Part IV., Room No. 18.
Trial Term, Part V., Room No. 32.
Trial Term, Part VI., Room No. 31.
Trial Term, Part VII., Room No. 30.
Trial Term, Part VIII., Room No. 24.
Trial Term, Part IX., Room No. 23.
Trial Term, Part IX., Room No. 22.
Naturalization Bureau, Room No. 26.
Justices—ABRAHAM R. LAWRENCE, CHARLES H. TRUAX, CHARLES F. MACLEAN, FREDERICK SMYTH, JAMES FITZGERALD, MILES BEACH, DAVID LEVENTRITT, LEONARD A. GEIGERICH, HENRY W. BOOKSTAVEN, HENRY BISCHOFF, Jr., JOHN J. FRIEDMAN, GEORGE P. ANDREWS, P. HENRY DUGRO, DAVID MCADAM, HENRY R. BECKMAN, HENRY A. GILDERSLEEVE, FRANCIS M. SCOTT. WILLIAM SOMMER, Clerk.

CITY COURT.

Brown-stone Building, City Hall Park.
General Term.
Trial Term, Part I.
Part II.
Part III.
Part IV.
Special Term Chambers will be held 10 A. M. to 4 P. M.
Clerk's Office, Brown-stone Building, No. 32 Chambers street, 9 A. M. to 4 P. M.
JAMES M. FITZSIMONS, Chief Justice; JOHN H. MCCARTHY, LEWIS J. CONLAN, EDWARD F. O'DWYER, JOHN P. SCHUCHMAN and THEODORE F. HASCALL, Justices. THOMAS F. SMITH, Clerk.

COURT OF GENERAL SESSIONS.

Held in the building for Criminal Courts, Centre Elm, White and Franklin streets. Court opens at 11 o'clock.
RUFUS B. COWING, City Judge; JOHN W. GOFF, Recorder; JOSEPH E. NEWBURGER, MARTIN T. MCMAHON and JAMES A. BLANCHARD, Judges of the Court of General Sessions. EDWARD R. CARROLL, Clerk.
Clerk's office open from 10 A. M. to 4 P. M.

Supreme Court, Part I, Criminal Trial Term.
Held in the building for Criminal Courts. Court opens at 10.30 A. M.
EDWARD R. CARROLL, Clerk. Hours from 10 A. M. to 4 P. M.

CRIMINAL DIVISION, SUPREME COURT.
New Criminal Court Building, Centre street. Court opens at 10.30 o'clock A. M.
EDWARD R. CARROLL, Clerk. Hours from 10 A. M. to 4 P. M.

APPELLATE DIVISION, SUPREME COURT.
Court-house, No. 111 Fifth avenue, corner Eighteenth street. Court opens at 1 P. M.
CHARLES H. VAN BRUNT, Presiding Justice; GEORGE C. BARRETT, CHESTER B. McLAUGHLIN, EDWARD PATTERSON, MORGAN J. O'BRIEN, GEORGE L. INGRAHAM, WILLIAM RUMSEY, Justices. ALFRED WAGSTAFF, Clerk. WILLIAM LAMB, Jr., Deputy Clerk.

COUNTY COURT, KINGS COUNTY.
County Court-house, Brooklyn.
JOSEPH ASPINALL and WM. B. HURD, Jr., County Judges.
CHARLES V. VAN DOREN, Chief Clerk.

QUEENS COUNTY COURT.
County Court-house, Long Island City.
HARRISON S. MOORE, County Judge.

COURT OF SPECIAL SESSIONS.
Building for Criminal Courts, Centre street, between Franklin and White streets, Borough of Manhattan. Court opens at 10 A. M.

Justices: First Division—ELIZUR B. HINSDALE, WILLIAM TRAVERS JEROME, EPHRAIM A. JACOB, JOHN B. McKEAN, WILLIAM C. HOLBROOK, WILLIAM M. FULLER, Clerk; JAMES H. JONES, Deputy Clerk.
Clerk's office open from 9 A. M. to 4 P. M.
Second Division—Trial days—Borough Hall, Brooklyn, Mondays, Wednesdays and Fridays, at 10 o'clock; Town Hall, Jamaica, Borough of Queens, Tuesdays, at 10 o'clock; Town Hall, New Brighton, Borough of Richmond, Thursdays, at 10 o'clock.
Justices: JOHN COURTNEY, HOWARD J. FORKER, PATRICK KEADY, JOHN L. LEMING, THOMAS W. FITZGERALD, JOSEPH L. KERRIGAN, Clerk; CHARLES F. WOLZ, Deputy Clerk.
Clerk's office, Borough Hall, Borough of Brooklyn open from 9 A. M. to 4 P. M.

MUNICIPAL COURTS.

Borough of Manhattan.
First District—Third, Fifth and Eighth Wards, and all that part of the First Ward lying west of Broadway and Whitehall street, including Governor's Island, Bedloe's Island, Ellis Island and the Oyster Islands, New Court-house, No. 128 Prince street, corner of Wooster street.
WAUHOPE LYNN, Justice. FRANK L. BACON, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Second District—Second, Fourth, Sixth and Fourteenth Wards, and all that portion of the First Ward lying south and east of Broadway and Whitehall street. Court-room, corner of Grand and Centre streets.
HERMANN BOLTE, Justice. FRANCIS MANGIN, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Third District—Ninth and Fifteenth Wards. Court-room, southwest corner Sixth avenue and West Tenth street. Court open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.
WM. F. MOORE, Justice. DANIEL WILLIAMS, Clerk.
Fourth District—Tenth and Seventeenth Wards. Court-room, No. 30 First street, corner Second avenue. Court opens 9 A. M. daily, and remains open to close of business.
GEORGE F. ROESCH, Justice. JOHN E. LYNCH, Clerk.
Fifth District—Seventh, Eleventh and Thirteenth Wards. Court-room, No. 154 Clinton street.
HENRY M. GOLDFOGLE, Justice. ———, Clerk.

Sixth District—Eighteenth and Twenty-first Wards. Court-room, northwest corner Twenty-third street and Second avenue. Court opens 9 A. M. daily, and continues open to close of business.
DANIEL F. MARTIN, Justice. ABRAM BERNARD, Clerk.
Seventh District—Nineteenth Ward. Court-room, No. 151 East Fifty-seventh street. Court opens every morning at 9 o'clock (except Sundays and legal holidays), and continues open to close of business.
HERMAN JOSEPH, Justice. PATRICK McDAVITT, Clerk.

Eighth District—Sixteenth and Twentieth Wards. Court-room, northwest corner of Twenty-third street and Eighth avenue. Court opens at 9 A. M. and continues open to close of business.
Clerk's office open from 9 A. M. to 4 P. M. each Court day.

Trial days, Wednesdays, Fridays and Saturdays. Return days Tuesdays, Thursdays and Saturdays.
JOSEPH H. STINER, Justice. THOMAS COSTIGAN, Clerk.

Ninth District—Twelfth Ward, except that portion thereof which lies west of the centre line of Lenox or Sixth avenue, and of the Harlem river north of the terminus of Lenox avenue. Court-room, No. 170 East One Hundred and Twenty-first street, southeast corner of Sylvan place. Court opens every morning at 9 o'clock (except Sundays and legal holidays), and continues open to close of business.
JOSEPH P. FALLON, Justice. WILLIAM J. KENNEDY, Clerk.
Clerk's office open daily from 9 A. M. to 4 P. M.

Tenth District—Twenty-second Ward and all that portion of the Twelfth Ward which is bounded on the north by the centre line of One Hundred and Tenth street, on the south by the centre line of Eighty-sixth street, on the east by the centre line of Sixth avenue, and on the west by the North river. Court-room, No. 318 West Fifty-fourth street. Court opens daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.
JAMES A. O'GORMAN, Justice. JAMES J. GALLIGAN, Clerk.

Eleventh District—That portion of the Twelfth Ward which lies north of the centre line of West One Hundred and Tenth street and west of the centre line of Lenox or Sixth avenue, and of the Harlem river north of the terminus of Lenox or Sixth avenue. Court-room, corner of One Hundred and Twenty-sixth street and Columbus avenue. Court opens daily (Sundays and legal holidays excepted) from 10 A. M. to 4 P. M.
FRANCIS J. WORCESTER, Justice. ADOLPH N. DUMAHAUT, Clerk.

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 1034 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, Main street, Westchester Village. Court opens daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.
WILLIAM W. PENFIELD, Justice. JOHN N. STEWART, Clerk.

Second District—Twenty-third and Twenty-fourth Wards. Court-room, corner of Third avenue and One Hundred and Fifty-eighth street. Office hours from 9 A. M. to 4 P. M. Court opens at 9 A. M.
JOHN M. TIERNEY, Justice. HOWARD SPEAR, Clerk.

Borough of Brooklyn.
First District—Comprising First, Second, Third, Fourth, Fifth, Sixth, Tenth and Twelfth Wards of the Borough of Brooklyn. Court-house, northwest corner State and Court streets.
JACOB NEW, Justice. EDWARD MORAN, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Second District—Seventh, Eighth, Ninth, Eleventh, Twelfth, Twenty-first, Twenty-second and Twenty-third Wards. Court-room located at No. 794 Broadway, Brooklyn.
GERARD B. VAN WART, Justice. WILLIAM H. ALLEN, Chief Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Third District—Includes the Thirteenth, Fourteenth, Fifteenth, Sixteenth, Seventeenth, Eighteenth and Nineteenth Wards. Court-house, Nos. 6 and 8 Lee avenue, Brooklyn.
WILLIAM SCHNITZFARN, Justice. CHARLES A. CONRADY, Clerk.
Clerk's office open from 9 A. M. until 4 P. M. Court opens at 10 o'clock.

Fourth District—Twenty-fourth, Twenty-fifth, Twenty-sixth, Twenty-seventh and Twenty-eighth Wards. Court-room, No. 14 Howard avenue.
ADOLPH H. GORTING, Justice. HERMAN GOHLING-HORST, Clerk; JAMES P. SINNOTT, Assistant Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Fifth District—Twenty-ninth, Thirtieth, Thirty-first and Thirty-second Wards. Court-room on Bath avenue and Bay Twenty-second street, Bath Beach.
CORNELIUS FURGUSON, Justice. JEREMIAH J. O'LEARY, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Borough of Queens
First District—First Ward (all of Long Island City, formerly composing five Wards). Court-room, Queens County Court-house (located temporarily).
THOMAS C. KADIN, Justice. THOMAS F. KENNEDY, Clerk.
Clerk's office open from 9 A. M. to 4 P. M. each week day. Court held each day, except Saturday.

Second District—Second and Third Wards, which includes the territory of the late Towns of Newtown and Flushing. Court-room in Court-house of late Town of Newtown, corner of Broadway and Court street, Elmhurst, New York. P. O. address, Elmhurst, New York.
WILLIAM T. MONTEVERDE, Justice. HENRY WALTER, Jr., Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Third District—JAMES F. McLOUGHLIN, Justice. GEO. W. DAMON, Clerk.
Court-house, Town Hall, 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.
JOHN J. KENNEY, Justice. FRANCIS F. LEMAN, Clerk.
Court office open from 9 A. M. to 4 P. M. Court held each day, except Saturday, from 10 A. M.

Second District—Second, Fourth and Fifth Wards (Towns of Middletown, Southfield and Westfield). Court-room, former Edgewater Village Hall, Stapleton.
ALBERT REYNOLD, Justice. PETER TIERNAN, Clerk.
Court office open from 9 A. M. to 4 P. M. Court held each day from 10 A. M., and continues until close of business.

BOROUGH OF BROOKLYN.

I HAVE RECEIVED THE FOLLOWING PETITIONS, which are now on file in my office for inspection, and will submit them to the Local Board of the Eighth District on Monday, September 18, 1899, at 4.30 P. M., in the office of the President of the Borough, Room 11, Borough Hall:

Troy avenue—Opening Troy avenue, between Avenue C and the tracks of the Manhattan Beach Division of the Long Island Railroad.
Truxton street—Flagging sidewalk on the south side of Truxton street, between Sackman street and Norman place, in front of Lot No. 20, Block 134A, Twenty-fifth Ward Map.

Sterling place—Flagging sidewalk on the south side of Sterling place, between Rogers and Nostrand avenues, in front of Lots Nos. 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Decatur street—Flagging sidewalk on the north side of Decatur street, between Lewis and Stuyvesant avenues, in front of Lot No. 91, Block 119, Twenty-third Ward Map.
Madison street—Repaving with belgian-block pavement the driveway and flagging and reflagging the remainder of the sidewalk on the north side of Madison street, between Marcy and Nostrand avenues, in front of Lot No. 8, Block 55, Twenty-third Ward Map.
McDougal street—Relaying flagging on the south side of McDougal street, between Stone and Rockaway avenues, in front of Lot No. 154, Block 122, Twenty-fifth Ward Map.

McDonough street—Fencing vacant lots on the south side of McDonough street, between Howard and Saratoga avenues, and on the north side of Decatur street, between Howard and Saratoga avenues, known as Lots Nos. 58, 115, 116 and 21, Block 76, Twenty-fifth Ward Map.
Chauncey street—Fencing vacant lots on the north side of Chauncey street, between Hopkins and Rockaway avenues, known as Lots Nos. 22 to 29, inclusive, Block 107, Twenty-fifth Ward Map.

Chauncey street—Flagging sidewalk on the north side of Chauncey street, between Hopkins and Rockaway avenues, in front of Lots Nos. 22 to 29, inclusive, Block 107, Twenty-fifth Ward Map.
Greene avenue—Fencing vacant lot on the north side of Greene avenue, between Stuyvesant and Reid avenues, known as Lot No. 160, Block 126, Twenty-third Ward Map.
Bergen street—Flagging sidewalk on the north side of Bergen street, between Franklin and Bedford avenues, in front of Lot No. 81, Block 25, Twenty-fourth Ward Map.

Lexington avenue—Fencing vacant lots on the north side of Lexington avenue, between Stuyvesant and Reid avenues, known as Lots Nos. 142 and 150, Block 127, Twenty-third Ward Map.
Marcy avenue—Flagging sidewalk on the west side of Marcy avenue, between Monroe street and Gates avenue, in front of Lot No. 8, Block 55, Twenty-third Ward Map.
Decatur street—Flagging sidewalk on the north side of Decatur street, between Reid and Patchen avenues, in front of Lots Nos. 18 and 143, Block 14, Twenty-fifth Ward Map.

Greenwood avenue—Construction of sewer basin on Greenwood avenue, between Coney Island avenue and East Second street.
Throop avenue—Flagging sidewalk on the west side of Throop avenue, between Monroe and Madison streets, in front of Lot No. 118, Block 23, Twenty-third Ward Map.
Suydam street—Flagging sidewalk on the west side of Suydam street, between Atlantic avenue and Herkimer street, in front of Lot No. 18, Block 23, Twenty-fifth Ward Map.

Patchen avenue—Fencing vacant lot on the east side of Patchen avenue, between Jefferson avenue and Hancock street; on the south side of Jefferson avenue, between Patchen and Ralph avenues, and on the north side of Hancock street, between Ralph and Patchen avenues, known as Lot No. 39, Block 34, Twenty-fifth Ward Map.
Hull street—Fencing vacant lots on the south side of Hull street, between Saratoga and Hopkins avenues, known as Lots Nos. 38 to 42, inclusive, Block 99, Twenty-fifth Ward Map.
Gates avenue—Flagging and reflagging sidewalks on the south side of Gates avenue, between Lewis and

Stuyvesant avenues, in front of Lots Nos. 47 to 50, inclusive, Block 111, Twenty-third Ward Map.
Greene avenue—Flagging sidewalk on Greene avenue, between Nostrand and Marcy avenues, in front of Lots Nos. 34 and 35, Block 51, Twenty-third Ward Map.
McDonough street—Fencing vacant lots on the north side of McDonough street, between Hopkins avenue and Broadway; and on the east side of Hopkins avenue, between McDonough street and Broadway, known as Lots Nos. 19 to 23, inclusive, and No. 34, Block 104, Twenty-fifth Ward Map.
Reid avenue—Repaving Reid avenue, between Lexington avenue and Gates avenue.
EDWARD M. GROUT, President, Borough of Brooklyn.

I HAVE RECEIVED THE FOLLOWING PETITIONS, which are now on file in my office for inspection, and will submit them to the Local Boards of the Fifth and Eighth Districts, at a joint meeting, to be held on Monday, September 18, 1899, at 4.30 P. M., in the office of the President of the Borough, Room 11, Borough Hall:

Foster avenue—Opening Foster avenue from the westerly line of Flatbush avenue to the easterly line of Coney Island road or avenue.

Construction of Sewer in the Following Streets.
Avenue G, from East Sixteenth street to Flatbush avenue.
Flatbush avenue, from its westerly intersection with Avenue G and Flatbush avenue to the easterly intersection of Flatbush avenue and Avenue G.
Avenue G, from Flatbush avenue to East Thirty-first street.

East Thirty-first street, from Avenue G to Paerdegat avenue, south side.
Paerdegat avenue (south side), from East Thirty-first street to East Forty-fifth street.

East Forty-fifth street, from Paerdegat avenue (south side) to Avenue G.
Avenue G, from East Forty-fifth street to Paerdegat avenue (south side).

Paerdegat avenue (south side), from Avenue G to Flatlands avenue.
EDWARD M. GROUT, President, Borough of Brooklyn.

CORPORATION NOTICE.

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.

List 5664, No. 1. Regulating, grading, curbing, flagging, laying crosswalks and building fences in Home street, from Boston road to Intervale avenue, together with a list of awards for damages caused by a change of grade.

The limits within which it is proposed to lay the said assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of Home street, from Boston road to Intervale avenue, and to the extent of half the block at the intersecting avenues.
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, No. 320 Broadway, New York, on or before October 10, 1899, at 11 A. M., at which time and place the said objections will be heard and testimony received in reference thereto.

EDWARD McCUE,
THOS. A. WILSON,
PATRICK M. HAVERTY,
JOHN B. MEYENBERG,
Board of Assessors.

WILLIAM H. JASPER,
Secretary,
No. 320 Broadway,
CITY OF NEW YORK, BOROUGH OF MANHATTAN,
September 8, 1899.

THE BOARD OF ASSESSORS OF THE CITY OF NEW YORK HEREBY GIVE NOTICE THAT THE COST OF THE FOLLOWING-NAMED LOCAL IMPROVEMENTS IS GREATER THAN THE ESTIMATE HERETOFORE MADE THEREOF, VIZ:

BOROUGH OF BROOKLYN.

List 6061, No. 1. Grading and paving Butler street, from Troy avenue to Albany avenue, with asphalt pavement. \$1,283.85.
List 6063, No. 2. Grading and paving Pacific street, from Schenectady avenue to Utica avenue, with asphalt pavement. \$2,231.32.

The limits within which it is proposed to lay the said assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of Butler street, from Troy avenue to Albany avenue, and to the extent of half the block at the intersecting avenues.

No. 2. Both sides of Pacific street, from Schenectady avenue to Utica avenue, and to the extent of half the block at the intersecting avenues.

—and that said Board of Assessors has added to the assessments heretofore laid for said improvements, the said excess of the cost over said estimate and apportioned the same upon the several parcels of land according to their respective proportions of the original assessment, and the said Board of Assessors has prepared lists showing the amounts of such additions, and the same are now on file in the office of said Board of Assessors, No. 320 Broadway, New York, where the same can be examined by all persons interested, and that the said Board will meet in the said office on the 3d day of October, 1899, at 11 A. M., to hear objections (if any) to the same.

EDWARD McCUE,
THOS. A. WILSON,
PATRICK M. HAVERTY,
JOHN B. MEYENBERG,
Board of Assessors.

WILLIAM H. JASPER,
Secretary,
No. 320 Broadway,
CITY OF NEW YORK, BOROUGH OF MANHATTAN,
September 2, 1899.

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

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in The City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

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

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained in Room No. 1636, Nos. 12 to 21 Park row, JAMES P. KEATING, Commissioner of Highways.

DEPARTMENT OF HIGHWAYS,
COMMISSIONER'S OFFICE, NO. 17-21 PARK ROW,
NEW YORK, August 29, 1899.

NOTICE OF SALE AT PUBLIC AUCTION.

ON TUESDAY, SEPTEMBER 12, 1899, AT 11 o'clock, A. M., the Department of Highways will sell at public auction, by Philip A. Smyth, Auctioneer, the following buildings and parts of buildings within the lines of Etna street, in the Twenty-sixth Ward, Borough of Brooklyn:

Two-story and frame building, between Hale and Conduit avenues.
Part of barn just east of Hale avenue.
Two-story frame dwelling west of Norwood avenue.
Part of two-story frame dwelling east of Norwood avenue.

Two frame buildings opposite Pine street.
The sale will begin with the two-story frame building between Hale and Conduit avenues. A plan and description of these buildings and parts of buildings may be seen at the office of the Deputy Commissioner of Highways, Municipal Building, Borough of Brooklyn.

TERMS OF SALE:

Cash payment in bankable funds at the time and place of sale, and the entire removal of the buildings or parts of buildings by the purchaser or purchasers within ten days after the sale. If the purchaser or purchasers fails or fail to remove the buildings or parts of buildings within the time specified, he or they shall forfeit his or their purchase money and the ownership of the buildings or parts of buildings purchased.

JAMES P. KEATING,

Commissioner of Highways.

DEPARTMENT OF DOCKS AND FERRIES.

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

TO CONTRACTORS.

(No. 664.)

PROPOSALS FOR ESTIMATES FOR FURNISHING AND DELIVERING ABOUT 2,000 TONS OF ANTHRACITE COAL.

ESTIMATES FOR FURNISHING AND DELIVERING about 2,000 tons of Anthracite Coal will be received by the Board of Docks, at the office of said Board, on Pier "A," foot of Battery place, North river, in The City of New York, until 2 o'clock P. M. on

MONDAY, SEPTEMBER 18, 1899,

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

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

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

The Engineer's estimate of the quantity of coal to be furnished and delivered is about 2,000 tons. It is expected that about 1,600 tons will be required to be delivered at the West Fifty-seventh Street Yard of the Department of Docks and Ferries, and that about 400 tons will be required to be delivered at the East Twenty-fourth Street Yard.

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

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

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

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

thereof, per ton, to be specified by the lowest bidder, shall be due or payable for the entire work.

A ton of coal under these specifications shall be 2,240 pounds avoirdupois.

The work to be done under this contract is to be commenced within ten days from the date of the receipt of an order from the Engineer to begin the delivery of coal, and the delivery will be continued in lots of about 230 tons at such times and places, and in such manner as may be directed by the Engineer, and the delivery of said coal will be fully completed on or before the 1st day of June, 1900, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for fulfillment thereof has expired, are, by a clause in the contract, fixed and liquidated at Fifty Dollars per day.

THE RIGHT TO REJECT ALL THE BIDS IS RESERVED IF DEEMED FOR THE INTEREST OF THE CITY OF NEW YORK.

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

Dated New York, September 1, 1899.

J. SERGEANT CRAM,
CHARLES F. MURPHY,
PETER F. MEYER,

Commissioners, composing the Board of Docks.

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

TO CONTRACTORS.

(No. 666.)

PROPOSALS FOR ESTIMATES FOR DREDGING ON THE NORTH RIVER, BETWEEN THE BATTERY AND WEST THIRTY-FOURTH STREET, BOROUGH OF MANHATTAN.

ESTIMATES FOR DREDGING ON THE NORTH river, in the Borough of Manhattan, will be received by the Board of Commissioners at the head of the Department of Docks and Ferries, at the office of said Department, on Pier "A," foot of Battery place, North river, in The City of New York, until 2 o'clock P. M. on

MONDAY, SEPTEMBER 18, 1899,

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

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

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

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

Mud Dredging, about 2,000,000 cubic yards.
N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

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

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

The work to be done under this contract is to be commenced within five days after receiving a notification from the Engineer-in-Chief of the Department of Docks and Ferries that any part or portion of the dredging herein mentioned is required. The dredging to be done under this contract will be in slips or portions of slips between the Battery and the southerly side of West Thirty-fourth street, on the North river, and is to be done from time to time, and in such quantities and at such times as may be directed by the Engineer, and all the work under this contract is to be fully completed on or before the 31st day of December, 1899.

THE RIGHT TO REJECT ALL THE BIDS IS RESERVED IF DEEMED FOR THE INTEREST OF THE CITY OF NEW YORK.

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

Dated New York, June 27, 1899.

J. SERGEANT CRAM,
CHARLES F. MURPHY,
PETER F. MEYER,

Commissioners, composing the Board of Docks.

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION OF THE
CITY OF NEW YORK,
CENTRE, ELM, FRANKLIN AND WHITE STREETS,
NEW YORK, September 5, 1899.

PUBLIC NOTICE IS HEREBY GIVEN THAT open competitive examinations will be held at the offices of this Commission for the following positions, upon the dates specified:

Friday, September 8, 10 A. M. TOPOGRAPHICAL DRAUGHTSMAN. Subjects of examination: Experience, arithmetic, writing and technical paper.

Saturday, September 9, 10 A. M. TEACHER (CHARITIES). Subjects of examination: Handwriting, duties, experience and reading.

Saturday, September 9, 10 A. M. LIFE SAVER. Subjects of examination: Arithmetic, reading and general paper.

Monday, September 11, 10 A. M. NURSE. Subjects of examination: Duties, experience, handwriting and arithmetic.

Tuesday, September 12, 10 A. M. FEMALE JUNIOR CLERKS. Subjects of examination: Handwriting, arithmetic, spelling, dictation and letter-writing. In this examination, only applicants Nos. 316 to 602, whose applications were filed on or before June 27, 1899, will be examined.

Wednesday, September 13, 10 A. M. CLERK. Subjects of examination: Handwriting, spelling, arithmetic, letter writing and dictation. In this examination, only applicants Nos. 220 to 593, whose applications were filed on or before March 17, 1898, will be examined.

Thursday, September 14, 10 A. M. INVESTIGATOR OF COMPLAINTS. Subjects of examination: Experience, duties, handwriting and arithmetic.

Friday, September 15, 10 A. M. TRANSITMAN AND COMPUTER. Subjects of examination: Technical paper, experience, handwriting and arithmetic.

Monday, September 18, 10 A. M. APOTHECARY (ALLOPATHIC AND HOMEOPATHIC). Subjects of examination: Special (technical) paper, experience, handwriting, arithmetic.

Wednesday, September 20, 10 A. M. CHAINMAN AND RODMAN. Subjects of examination: Technical paper, experience, handwriting and arithmetic.

LEE PHILLIPS,
Secretary.

DEPARTMENT OF FINANCE.

INTEREST ON CITY BONDS AND STOCK.

THE INTEREST DUE OCTOBER 1, 1899, ON the Registered Bonds and Stock of The City of New York will be paid on that day by the Comptroller, at his office in the Stewart Building, corner of Broadway and Chambers street (Room 27).

The Transfer Books thereof will be closed from September 15 to October 1, 1899.
The interest due October 1, 1899, on the Coupon Bonds and Stock of the former City of New York will be paid on that day by the Knickerbocker Trust Company, No. 66 Broadway.

BIRD S. COLER,
Comptroller.

THE CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, September 7, 1899.

INTEREST ON CITY BONDS AND STOCK.

THE INTEREST DUE NOVEMBER 1, 1899, ON the Registered Bonds and Stock of The City of New York, will be paid on that day by the Comptroller, at his office in the Stewart Building, corner of Broadway and Chambers street (Room 27).

The Transfer Books thereof will be closed from September 30, 1899, to November 1, 1899.
The interest due November 1, 1899, on the Coupon Bonds and Stock of the former City of New York will be paid on that day by the Knickerbocker Trust Company, No. 66 Broadway.

BIRD S. COLER,
Comptroller.

THE CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, September 7, 1899.

NOTICE OF POSTPONEMENT OF SALE OF LANDS AND TENEMENTS WITHIN THAT PART OF THE CITY OF NEW YORK KNOWN AS THE BOROUGH OF MANHATTAN AND THE BRONX, FOR UNPAID ASSESSMENTS.

WHEREAS, SECTION 1079 OF THE "Greater New York Charter" authorizes the Comptroller, in his discretion, to postpone any sale for unpaid taxes and assessments; and

Whereas, Many persons desire, and have applied for, a postponement of the sale for unpaid assessments advertised to be held on Wednesday, September 6, 1899; now, therefore, in order to afford all such persons the opportunity to pay the assessments upon their property so advertised to be sold, and thereby avoid the additional expense of redemption of the property if sold, the said sale is hereby ordered to be postponed until Monday, the 4th day of December, 1899, to be held at the same time and place, to wit: at the Court-house, City Hall Park, at 1 o'clock P. M.

BIRD S. COLER,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, September 5, 1899.

NOTICE TO TAXPAYERS.

DEPARTMENT OF FINANCE,
BUREAU FOR THE COLLECTION OF TAXES,
NEW YORK, September 1, 1899.

TAXPAYERS WHO DESIRE TO OBTAIN their bills promptly, should make immediate written requisition (blanks may be procured in the borough offices), stating their property by Section or Ward, Block and Lot or Map number, making copy of same from their bills of last year, in the boroughs of Manhattan, The Bronx and Brooklyn.

For property in the boroughs of Queens and Richmond, taxpayers must first have their deeds examined and their property located on the maps in the Department of Taxes and Assessments and forward to the Deputy Receiver of Taxes of the borough the certified memorandum of their property, which will be furnished to them by that Department; in no other way can taxpayers feel assured of receiving correct bills.

If a taxpayer is assessed for personal tax, the requisition should also request bill for such tax.

Each requisition should be accompanied by an envelope bearing the proper address of the applicant and with return postage prepaid.

Taxpayers in this manner will receive their bills at the earliest possible moment and avoid any delay caused by waiting on lines, as is required in cases of personal application.

The requisition must be addressed and mailed to the Deputy Receiver of Taxes in whatever Borough the property is located, as follows:

John J. McDonough, No. 57 Chambers street, Borough of Manhattan, New York.

John B. Underhill, corner Third and Tremont avenues, Borough of The Bronx, New York.

James B. Bouck, Municipal Building, Borough of Brooklyn, New York.

Fredrick W. Bleckwenn, corner Jackson avenue and Fifth street, Long Island City, Borough of Queens, New York.

Matthew S. Tully, Richmond Building, Richmond terrace, New Brighton, Borough of Richmond, New York.

DAVID E. AUSTEN,
Receiver of Taxes.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 1028 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 THE BRONX:

TWENTY-THIRD WARD, SECTION 9.
EAST ONE HUNDRED AND FORTY-FIRST STREET—SEWER, from Brook avenue to St. Ann's avenue. Area of assessment: Both sides of One Hundred and Forty-first street, between Brook and St. Ann's avenues; also Lots numbered 33 to 46, inclusive, of Block No. 22'8.

—that the same was confirmed by the Board of Assessors on August 22, 1899, and entered on same date in the Record of Titles of Assessments Confirmed, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, 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 in section 1039 of said Greater New York Charter. Said section provides that, "If any such assessment shall remain unpaid for the period of sixty

days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per cent. per annum, to be calculated from the date of such entry to the date of payment."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, at Crotona Park Building, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of The Bronx, 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 October 21, 1899, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

BIRD S. COLER,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, August 23, 1899.

DEPARTMENT OF STREET CLEANING.

PUBLIC NOTICE.

SALE OF OLD PROPERTY OF THE DEPARTMENT OF STREET CLEANING.

NOTICE IS HEREBY GIVEN THAT ON TUESDAY, THE 12TH DAY OF SEPTEMBER, 1899,

at 11 o'clock A. M., at Stable "A" of the Department of Street Cleaning, at Seventeenth street and Avenue C, in the Borough of Manhattan, I shall sell at public auction, pursuant to section 541 of the Greater New York Charter, the following described property of the Department of Street Cleaning, to wit:

20 bales, more or less, old Canvas.
75 bales, more or less, old Bags.
200 feet, more or less, old Fire Hose.
25 feet, more or less, old Garden Hose.
32 sets, more or less, old Cart Harness.
4 sets, more or less, old Light Harness.
71, more or less, old Halters.
159, more or less, old Horse Collars.
30, more or less, old Oil Barrels.
8, more or less, old Half Barrels.
1 miscellaneous lot of Rubber Horse Covers, Storm Aprons, etc.
100 pounds, more or less, old Brass.
40,000 pounds, more or less, old Iron.
74, more or less, old Cart Bodies.
34, more or less, old Can Carriers.
26, more or less, old Ash Cart Wheels.
22, more or less, old Sweeping Machines.
8, more or less, old Sleigh Runners, with Shafts.
12, more or less, Snow Scrapers.
6, more or less, Hose Reels.
6, more or less, Hudson River Snow Scrapers.
1 old Fire Plate.
4 Hand Sprinkling Carts.
1 old Snow Melter.
2 old Grading Shovels.
2 old Farm Plows.
1 old Picking-up Sweeping Machine.
1 old Four-wheeled Park Cart.

F. M. GIBSON,

Deputy Commissioner, Borough of Manhattan, designated with full powers of the Commissioner.

DEPARTMENT OF STREET CLEANING
OF THE CITY OF NEW YORK,
MAIN OFFICE, NOS. 13 TO 21 PARK ROW,
BOROUGH OF MANHATTAN AND THE BRONX.

NOTICE TO CONTRACTORS.

PROPOSALS FOR CONTRACT.

FORM 1.

REMOVAL OF SNOW AND ICE FROM THE PAVED AVENUES, STREETS, LANES, ALLEYS AND PLACES, OR PORTIONS THEREOF, OF THE BOROUGH OF MANHATTAN AND THE BRONX, DESIGNATED BY THE COMMISSIONER OF STREET CLEANING, FOR THE PERIOD BEGINNING WITH THE DATE OF EXECUTION AND ENDING THE 15TH DAY OF APRIL, 1900, INCLUSIVE.

N. B.—Under sections 239, 419, 534 and 541 of the Greater New York Charter.

BIDS OR PROPOSALS FOR THE ABOVE CONTRACT, inclosed in sealed envelopes, indorsed with the title of the work, and with the name and address of the persons making the same, and the date of presentation, will be received at the Main Office of the Department of Street Cleaning, at Nos. 13 to 21 Park row, Borough of Manhattan, City of New York, until 12 M. of

FRIDAY, THE 8TH DAY OF SEPTEMBER, 1899,

at which time and place the said bids or proposals will be publicly opened and read.

The person or persons to whom the said contract may be awarded will be required to execute the same within five (5) days after the receipt of a notice to that effect, and in case of failure or neglect so to do, he or they will be considered as having abandoned it, and the Commissioner of Street Cleaning may readvertise and relet the work, and so on until the contract be accepted and executed.

Bidders are required to state under oath or affirmation in their bids or proposals their names and places of residence, the names of all persons interested with them therein, and if no other person be so interested, they shall distinctly state that fact; also that the bid or proposal is made without any connection with any other person making a bid or proposal for the above work, and that it is in all respects fair and without collusion or fraud, and also that no member of the Municipal Assembly, head of a department, deputy thereof or clerk therein, chief of a bureau, or other officer of the Corporation is directly or indirectly interested therein, or in any of the work to which it relates, or in any portion of the profits thereof. Where more than one person is interested, it is required that both the bid or proposal and the affidavit thereon be made and subscribed by all the parties interested.

Each bid or proposal must be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, with their respective places of business or residence, or of two guaranty or surety companies, duly authorized by law to act as sureties, as shall be satisfactory to the Comptroller of The City of New York, to the effect that if the contract be awarded to the person or persons making the bid or proposal, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance in the amount of Fifty Thousand Dollars (\$50,000); and that if he or they shall omit or refuse to execute the contract, they will pay to The City of New York any difference between the sum to which he or they would be entitled on its completion and that which The City of New York may be obliged to pay to the person or persons to whom the contract may be subsequently awarded, the amount to be calculated upon the estimated amount of work by which the bids or proposals are tested.

The consent above mentioned must be accompanied by the oath or affirmation, in writing, of each of the

persons signing the same that he is a householder or freeholder in The City of New York, and is worth the amount of security required for the completion of the contract, as stated in the bid or proposal, over and above his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as surety in good faith, and with the intention to execute the bond required by law, and a like affidavit as to sufficiency shall be required of an officer of a guaranty or surety company so consenting. The adequacy and sufficiency of the sureties offered shall be subject to approval by the Comptroller of The City of New York.

A special deposit of Ten Thousand Dollars (\$10,000), in lawful money of the United States, will be required to be made with the Comptroller of The City of New York on or before the execution of said contract, said deposit to be retained by the said Comptroller, as provided in the contract, as an additional security for the purposes described in said contract.

The compensation of the contractor is to be for the ascertained number of cubic yards of snow and ice removed and disposed of by him, at the price bid by him per cubic yard.

The price must be given in the bids or proposals, and must be for so much per cubic yard, and must be written, and must also be given in figures.

Permission will not be given for the withdrawal of any bid or proposal, and the right is expressly reserved by the Commissioner of Street Cleaning to reject all of the bids or proposals should he deem it for the interests of the city so to do. No bids or proposals will be accepted from, nor will the contract be awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The acceptance of a bid or proposal for this contract will be subject to the approval of the Board of Estimate and Apportionment.

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

By the terms of the contract the contractor is to observe the Labor Law as amended by chapter 567 of the Laws of 1899, and will agree that he will pay all persons employed by him in shoveling snow, and all persons furnishing him with horses and carts, or other vehicles and labor for the work, without unnecessary loss of time to them, and that for this purpose he shall at all times provide suitable and convenient places of payment, and the necessary funds, and all proper facilities for said payments, as provided for in said contract.

All bids or proposals must be made with reference to this notice to Contractors, and to the form of contract and the requirements thereof, on file at the main office of the Department of Street Cleaning, or, being not so made, they will be rejected.

The forms of bids or proposals and of the agreement, including the specifications, and the manner of payment for the work, and any further information will be furnished upon application at the main office of the Department of Street Cleaning, Nos. 13 to 21 Park row, Borough of Manhattan.

N. B.—This notice to contractors is, and is to be taken, to be a part of the contract.

Dated New York, August 24, 1899.
F. M. GIBSON,
Deputy Commissioner, Borough of Manhattan,
designated with full powers of Commissioner.

PERSONS HAVING BULKHEADS TO FILL, IN the vicinity of New York Bay, can procure material for that purpose—ashes, street sweepings, etc., such as is collected by the Department of Street Cleaning—free of charge, by applying to the Commissioner of Street Cleaning, Nos. 13 to 21 Park row Borough of Manhattan.

JAMES McCARTNEY,
Commissioner of Street Cleaning

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,
New York, September 1, 1899.
SEALED PROPOSALS FOR FURNISHING
ANTHRACITE COAL IN THE BOROUGHS
OF MANHATTAN AND THE BRONX, VIZ.:

2,000 Tons Egg Size,
300 Tons Stove Size,
300 Tons Nut Size.
—will be received by the Fire Commissioner at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the Borough of Manhattan, in The City of New York, until 10.30 o'clock A. M.,

WEDNESDAY, SEPTEMBER 20, 1899,
at which time and place they will be publicly opened by the head of said Department and read.

The coal is to be free-burning, of the first quality of either of the kinds known and mined as follows:

"Lackawanna," by New York, Ontario and Western Railroad.
"Jermyn," by the New York, Susquehanna and Western Railroad.
"Erie," by the New York, Lake Erie and Western Railroad.

—all to weigh 2,000 pounds to the ton, and be well screened and free from slate.

The bidder must name the particular kind of coal he proposes to furnish and state where and by whom it is mined.

All of the coal is to be delivered at the various houses of the Department in the boroughs of Manhattan and The Bronx, in such quantities and at such times as may be from time to time directed, and the same is to be weighed in the presence of a weighmaster designated for that purpose by the Department. All as more fully set forth in the specifications to the contract, to which particular attention is directed.

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

Bidders must write out the amount of their estimate in addition to inserting the same in figures, stating the price per ton for each size and the total amount.

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of The City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for his faithful performance in the sum of Five Thousand Five Hundred (\$5,500) Dollars.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of The City of New York, drawn to the order of the Comptroller, or money to the amount of Two Hundred and Seventy five (\$275) Dollars.

JOHN J. SCANNELL,
Commissioner.

HEADQUARTERS FIRE DEPARTMENT,
New York, September 1, 1899.

SEALED PROPOSALS FOR FURNISHING ANTHRACITE COAL IN THE BOROUGHS OF MANHATTAN, VIZ.:

1,000 Tons Egg Size,
2,000 Tons Nut Size.
—will be received by the Fire Commissioner at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the Borough of Manhattan, in The City of New York, until 10.30 o'clock A. M.,

WEDNESDAY, SEPTEMBER 20, 1899,
at which time and place they will be publicly opened by the head of said Department and read.

The coal is to be free-burning, of the first quality of the kind known and mined as follows:

Locust Mountain Coal of Philadelphia and Reading Coal and Iron Company.
—all to weigh 2,000 pounds to the ton, and be well screened and free from slate.

The bidder must name the particular kind of coal he proposes to furnish and state where and by whom it is mined.

All of the coal is to be delivered at the various fireboats of the Department, in the Borough of Manhattan, in such quantities and at such times as may be from time to time directed, and the same is to be weighed in the presence of a weighmaster designated for that purpose by the Department. All as more fully set forth in the specifications to the contract, to which particular attention is directed.

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

Bidders must write out the amount of their estimate in addition to inserting the same in figures, stating the price per ton for each size and the total amount.

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of The City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for his faithful performance in the sum of six Thousand Dollars (\$6,000).

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

JOHN J. SCANNELL,
Commissioner.

VAN TASSELL & KEARNEY, AUCTIONEERS,
on behalf of the Fire Department, will offer for sale at public auction, to the highest bidder, at their sales stables, Nos. 130 and 132 East Thirteenth street, Borough of Manhattan,

FRIDAY, SEPTEMBER 8, 1899,
at 12 o'clock noon, the following property belonging to the Fire Department of The City of New York:

Three horses, no longer fit for use in the Department, and known as Nos. 549, 614, 820, 1106 and 1165.

JOHN J. SCANNELL,
Fire Commissioner.

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

PURSUANT TO THE PROVISIONS OF CHAPTER 537 OF THE LAWS OF 1893, ENTITLED "AN ACT providing for ascertaining and paying the amount of damages to lands and buildings suffered by reason of changes of grade of streets or avenues, made pursuant to chapter 721 of the Laws of 1887, providing for the depression of railroad tracks in the Twenty-third and Twenty-fourth Wards, in The City of New York, or otherwise," and the acts amendatory thereof and supplemental thereto, notice is hereby given that public meetings of the Commissioners appointed pursuant to said acts, will be held at Room 58, Schermerhorn Building, No. 96 Broadway, in The City of New York, on Monday, Wednesday and Friday of each week, at 2 o'clock P. M., until further notice.

Dated New York, April 17, 1899.
WILLIAM E. STILLINGS,
WARREN W. FOSTER,
CHARLES A. JACKSON,
Commissioners.

LAMONT McLOUGHLIN,
Clerk.

DEPARTMENT OF CORRECTION.

THREE THOUSAND TONS COAL.

PROPOSALS FOR THREE THOUSAND (3,000) TONS OF WHITE ASH COAL FOR 1899.

SEALED BIDS OR ESTIMATES FOR FURNISHING the Department of Correction at ONCE THREE THOUSAND (3,000) TONS (2,240 POUNDS EACH) OF WHITE ASH COAL will be received at the office of the Department of Correction, No. 148 East Twentieth street, in The City of New York, until 11 o'clock A. M. of

THURSDAY, SEPTEMBER 14, 1899,

Coal to be delivered at once and free of all expense.

500 tons, more or less, Broken, to Hart's Island.
2,000 tons, more or less, Broken, to Blackwell's Island.
300 tons, more or less, Stove, to Blackwell's Island.

—total deliveries, however, not to exceed 3,000 tons.

The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for 3,000 Tons of the best White Ash Coal," and with his or their name or names, and the date of presentation, to the head of said Department at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the Commissioner, or his duly authorized agent, of said Department, and read.

THE COMMISSIONER OF THE DEPARTMENT OF CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED BY SECTION 419, CHAPTER 378, LAWS OF 1897.

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

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

Delivery to be made at once, and in such quantities as may be directed by the said Commissioner.

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect, and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, each in the penal amount of FIVE THOUSAND (\$5,000) DOLLARS.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; also that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Municipal Assembly, head of a department, chief of a bureau, deputy thereof, or clerk therein or other officer of the

Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

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

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

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

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

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract.

The form of the contract, including specifications, and showing the manner of payment, will be furnished at the office of the Department, and bidders are cautioned to examine each and all of its provisions carefully, as the Commissioner of the Department of Correction will insist upon its absolute enforcement in every particular.

Dated New York, September 1, 1899.
FRANCIS J. LANTRY,
Commissioner, Department of Correction.

DEPARTMENT OF CORRECTION—CITY OF NEW YORK,
BOROUGHS OF MANHATTAN AND BRONX,
August 28, 1899.

PROPOSALS FOR MISCELLANEOUS ARTICLES TO BE DELIVERED AT ONCE.

SEALED BIDS OR ESTIMATES FOR FURNISHING Miscellaneous Articles, in conformity with specifications, will be received at the office of the Department of Correction, No. 148 East Twentieth street, in The City of New York, until 11 A. M.,

THURSDAY, SEPTEMBER 14, 1899.

All goods to be delivered on dock (foot of East Twentieth street) for Blackwell's Island Storehouse, free of all expense, and quantities allowed as received there.

REQUISITION No. 9.
C. O. Stable.

1 package (1 lb.) Copper Rivets.

Workhouse.

1 dozen Scandinavian Padlocks, No. 983.

8 pounds Wire Nails, 3 pounds 1-17, 3 pounds 1-18, 2 pounds 1-19.

2 gross Screws, 1 gross 1-12, 1 gross 1-14.

1/2 dozen W. G. Slop Jars.

2 dozen Porcelain Gas Bells.

1 dozen Fitches, 4 1/4-inch, 4 1/2-inch, 4 3/4-inch.

1 barrel Benzine.

10 gallons Japan Dryer.

5 gallons White Shellac.

2 dozen Escutcheons, 1 dozen No. 48, 1 dozen No. 49.

1 1/2 dozen pairs N. F. Butts, 6 1-inch, 6 1 1/4-inch, 6 1 1/2-inch.

5 pounds Powdered Pumice Stone.

1/2 dozen pairs 6-inch Hinge Hasps.

100 pieces Clear White Pine Ceiling, 7/8-inch by 4 1/2-inch, 16 feet, D2-s.

50 pieces Good Solid Shelving.

4 pieces White Wood, 3/4 inch by 16-inch, 16 feet.

4 pieces Clear Oak, 1-inch by 12-inch, 16 feet.

12 pieces Rough Spruce 3-inch by 4 inch, 16 feet.

12 pieces Clear Yellow Pine Flooring, 1-inch by 3 1/2-inch wide.

Fire Department.

1 Large Soup Tureen, with Ladle.

1 8-quart Porcelain-lined Pot, with Cover.

District Prison.

10 Lengths Stove Pipe, 6 inch, Second District.

2 Large Meat Forks, Fourth District.

10 Lengths Stove Pipe, 6 inch, Fourth District.

3 Elbows, 6 inch, Fourth District.

1 Small Smoothing Plane, Fourth District.

1 Carpenter's Try Square, Fourth District.

5 pounds Drop Black Ground in Japan, Fifth District.

City Prison.

1 dozen Door Mats.

Penitentiary.

3 gallons Carbolic Acid.

2 pair Nippers, 1 No. 8, 1 No. 10.

1 dozen 1 1/2-inch Rubber Stoppers.

1 dozen 2-lb. Soldering Coppers.

1/2 dozen 6-inch Round Nose Pliers.

1 only 14-inch Sison Wrench.

2 extra upper faces for large Burning Machine No. 1.

1 No. 1 Wiring Machine, without stand.

1 each Twist Drills 1/4, 3/8, 1/2, 5/8, 3/4, 1-inch, 1 1/4, 1 1/2, 1 3/4, 2-inch, all to have 1/2-inch shank.

6 barrels Gilders' Whiting.

90. 10 gallons Naphtha.

91. 1 gallon Japan Gold Size.

92. 4 pounds Oil Gold Size.

93. 5 pounds Gold Bronze.

94. 1 dozen Painters' Broad Knives.

95. 1 dozen Painters' Dusters.

96. 2 dozen 1-inch Flat Fitches.

97. 1 dozen 3-inch Flat Varnish Brushes.

98. 1/2 dozen 1/4-inch Gimlet Bits for Brace.

99. 1 only Die, 3/4-inch, with teeth for Little Giant Screw Plate No. 9.

100. 1/2 dozen 8-inch Taper Saw Files for Keys 1/4-inch to 3/4-inch.

101. 6 3/4-inch Oak Planks 12 inches to 14 inches wide, general length.

102. 2 gross each Wood Screws, bunghead, 3/4-inch No. 7, 3/4-inch No. 10, 3/4-inch No. 12, 1-inch No. 8.

103. 2 kegs 8d Cut Nails.

104. 1 Sunk Slip bolts for double Door No. 12.

105. 1 dozen pair 6-inch T Hinges.

106. 1 dozen pair 10-inch T Hinges.

107. 2 gross each Wire Nails, bung head, 1 1/2 inches No. 10, 1 1/2 inches No. 10, 1 1/2 inches No. 12, 1 1/2 inches No. 12.

108. 500 feet Hoop Iron, 1 1/2 inches wide, Gauge 16.

109. 2 gross 3/4-inch No. 18 Flat Head Wire Nails.

110. 3 gallons Bronze Liquid.

111. 4 gross Cramer's Banner Brand Gelatine Plates, 4 1/2 inches by 6 1/2 inches.

112. 2 gross Platinotype Paper, 4 1/4 inches by 6 1/2 inches.

113. 6 boxes Desktop for Platinotype Paper.

Steamboats.

114. 2 Sugar Bowls, "Minnahanonck."

115. 3 Cross pcs. for Shipmate Range No. 8, "Minnahanonck."

116. 6 Covers for Shipmate Range No. 8, "Minnahanonck."

117. 3 Pair Rubber Boots, 2 pr. No. 8, 1 pr. No. 10, "Minnahanonck."

118. 14 Oil Skin Suits with Hats, "Minnahanonck."

119. 1 Barrel Boiler Compound, "Minnahanonck."

120. 12 Lights, Glass, 27 1/2 inches by 9 1/2 inches, "Strong."

121. 12 Lights, Glass, 28 3/4 inches by 11 inches, "Strong."

122. 1 Seth Thomas Ship Bell Clock, "Strong."

123. 1/2 dozen Plated Knives and Forks, "Strong."

124. 4 Brass finished Couplings to screw on 1 1/2-inch pipe female end, and fit 1 1/4-inch hose on male end with caps and chains, "Strong."

125. 25 feet 1/2-inch Steam Hose, with couplings, "Strong."

126. 1 square yard 3/4-inch Sheet Asbestos, "Strong."

127. 10 pounds 5-16-inch Crandall Packing, "Gilroy."

Stock.

128. 40 barrels Charcoal.

129. 1 barrel Raw Linseed Oil.

130. 4 boxes Lemons.

131. 10 great Gross Suspender Buttons, as sample.

SPECIAL REQUISITION No. 296.

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

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

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

Bidders will state the price for each article, by which the bids will be tested.

The quality of the articles, supplies, goods, wares and merchandise must conform in every respect to the samples of the same on exhibition at the office of the said Department, No. 148 East Twenty-sixth street, New York City, or in the absence of samples, to the printed specifications. Bidders are cautioned to examine the specifications for particulars of the articles, etc., required before making their estimates.

Bidders will write out the amount of their estimates in addition to inserting the same in figures. Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioner may determine. The form of the contract, including specifications, and showing the manner of payment and other details, will be furnished at the office of the Department, No. 148 East Twenty-sixth street, New York City, and bidders are cautioned to examine each and all of its provisions carefully, as the Commissioner will insist upon its absolute enforcement in every particular.

FRANCIS J. LANTRY,
Commissioner of Correction.

DEPARTMENT OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES,
BOROUGH OF RICHMOND, STATEN ISLAND,
New York, September 5, 1899.

PROPOSALS FOR GROCERIES, DRY GOODS, MEATS, ETC., FOR THE YEAR 1899.

BOROUGH OF RICHMOND, STATEN ISLAND.

SEALED BIDS OR ESTIMATES FOR FURNISHING the above-mentioned Supplies, in conformity with samples and specifications, will be received at the Central Office of this Department, foot of East Twenty-sixth street, until 12 o'clock noon.

MONDAY, SEPTEMBER 18, 1899.

- GROCERIES.
- 1 200 gallons Kerosene Oil, 110 test.
 - 2 1,000 pounds Sugar, extra C.
 - 3 500 pounds Sugar, granulated, white.
 - 4 400 pounds Washing Soda
 - 5 100 pounds Soda Crackers, XXXX.
 - 6 2 dozen 3 pound cans Peaches, '99 pack.
 - 7 6 dozen 3 pound cans Tomatoes, '99 pack.
 - 8 5 pounds Black Pepper, ground.
 - 9 100 pounds Coffee, Maracaibo, bean.
 - 10 300 pounds Coffee, Brazilian, ground.
 - 11 200 pounds Tea, Young Hyson.
 - 12 1,500 pounds Meal, yellow granulated.
 - 13 200 pounds Tobacco, plug, Mechanic's Delight, 10 to the pound.
 - 14 5 pounds Mustard, Coleman's ground.
 - 15 500 loose Pickles, cucumber sour.
 - 16 12 boxes Soap, Babbitt's Best, 80 pounds to a box.
 - 17 6 sacks Salt, fine.
 - 18 240 pounds Butter, fresh, State.
 - 19 5 gross Matches, sulphur.
 - 20 100 pounds Rice, best, South Carolina.
 - 21 2 barrels Oat Meal, best.
 - 22 20 pounds Tapioca.
 - 23 1/2 dozen Worcestershire Sauce, Lea & Perrins, pints.
 - 24 3 barrels Meal, white granulated.
 - 25 1/2 dozen Salad Dressing, pints, Durkee's.
 - 26 6 dozen Lemons, best.
 - 27 50 pounds Flour, Hecker's Prepared, packages.
 - 28 1 case of Condensed Milk, Eagle Brand, 4 dozen to a case.
- MEATS, FISH, ETC.
- 29 100 pounds Dressed Turkeys.
 - 30 100 pounds Boneless Bacon.
 - 31 200 pounds Corned Beef, rump, A No. 1.
 - 32 10 Sheep, whole carcasses.
 - 33 25 Forequarters Fresh Beef, weight about 200 pounds each.
 - 34 100 pounds Fresh Codfish.
 - 35 100 pounds Fresh Bluefish.
 - 36 100 pounds Best Ham, smoked.
- DRUGS AND MEDICINES.
- 37 1 gallon Alcohol.
 - 38 1 gallon Aqua Ammonia.
 - 39 2 gallons Fluid Extract.
 - 40 7 pounds Glycerine.
 - 41 1 Gallon Cotton Seed Oil.
 - 42 1 gallon Extract Witch Hazel.
 - 43 2 gallons Comp. Soap Liniment.
 - 44 1 pound Fluid Extract Belladonna Leaves.
 - 45 1 pound Fluid Extract Ipecac.

- 46 2 gallons Spirits Frumenti.
- 47 1/2 dozen Acid Phosphates, Horsford's, large.
- 48 1 pound Carbolic Acid, refined.
- 49 1 pound Sulphuric Ether.
- 50 1/2 dozen Bromidia, Battle & Co.
- 51 1/2 dozen Tongaline.
- 52 10 pounds Epsom Salts.
- 53 4 pounds Rochelle Salts.
- 54 10 pounds Petrolatum.
- 55 1/2 dozen Listerine.
- 56 1 gross 4 oz. Vials, green, prescription.
- 57 1 gross 4 oz. Vials, green, prescription.
- 58 10 pounds Ground Flaxseed, or Oil Meal.
- 59 1 pound Cream of Tartar.
- 60 2 pounds Surgeons' Lint, in pound packages.
- 61 1/2 ream Druggists' White Paper.
- 62 1 dozen Sponges, small, toilet bath.
- 63 1 dozen Sponges, medium, toilet bath.
- 64 1 pound Nitric Acid, U. S. P.
- 65 1 ounce Chronic Acid, U. S. P.
- 66 3 pounds Oxide of Zinc, Hubbard's.
- 67 100 Tablets Eucaine Hydrochlorate, each Gms. O. I.
- 68 1 ounce of a 4 per cent. solution of Cocaine Hydrochlorate.
- 69 2 gallons Spiritus Aetheris Nitrosi.
- 70 1 dozen Rubber Sheets, 4 by 6, Shultz's, or as good.
- 71 7 pounds Comp. Tincture of Lavender.
- 72 5 pounds Fluid Extract of Licorice Root.
- 73 1 yard Surgeon's Rubber Adhesive Plaster.
- 74 5 dozen Strengthening Plasters, porous.

DRY GOODS.

- 75 300 yards Canton Flannel, Brown, Provident Mills.
- 76 200 yards Grey F. & C.
- 77 150 yards Hickory, Amoskeag.
- 78 100 yards Gingham, for aprons.
- 79 350 yards Denims, Amoskeag.
- 80 1 dozen Girl's Hoods, worsted.
- 81 1 American Flag, 8 x 12, best bunting.
- 82 6 dozen Dressing Combs, 8-inch horn, metal back.
- 83 6 dozen Fine Combs, rubber, No. 12.

SEEDS FOR FARM AND GARDEN.

- 89 210 pounds of Thorburn's Mixture to consist of the following: 6 pounds Meadow Fox-tail, 3 pounds Perennial Sweet Vernal, 18 pounds Red Top Grass, 12 pounds Tall Meadow Oat Grass, 18 pounds Orchard Grass, 12 pounds Hard Fescue, 12 pounds Sheep Fescue, 24 pounds Perennial Rye Grass, 96 pounds Timothy, 6 pounds Red Clover, 3 pounds Alsike Clover.

HARDWARE, ETC.

- 90 1 gross Copper Rivets, with washers, 3/4-inch.
- 91 1 gross Copper Rivets, with washers, 1/2-inch.
- 92 1 Round Copper Boiler, 10 gallons, with brass faucet, round, with cover.
- 93 1 dozen Fire Shovels, long handles, iron.
- 94 1/2 dozen Sauce Pans, agate-ware, best, 4, 6 and 8 quarts, 1-6 dozen of each.
- 95 2 Iron Dripping Pans, for range, 20 x 12.
- 96 1 dozen Water Buckets, 3/4 inch stave, 3 iron hoops, iron handle, suitable for stable use.
- 97 1 dozen Wash Boards, metal front, ribbed.
- 98 6 barrels Portland Cement.
- 99 6 barrels White Wash Lime.

LUMBER.

- 103 1,000 square feet Pine Boards, 3/4 x 14 x 16, free from knots, dressed.
- 104 1,000 square feet Pine Boards, 3/4 x 18 x 16, free from knots, dressed.

COAL AND WOOD.

- 105 50 tons Egg Coal.
 - 106 10 tons Nut Coal.
- To be Lehigh, to weigh 2,000 pounds to the ton, to be screened and free from slate, and to be weighed or reweighed on such scales as the Commissioner may designate before being received at the Almshouse.

All goods to be delivered in installments as may be required during the year 1899, free of expense. No empty packages are to be returned to bidders or contractors and none will be paid for by the Department.

The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Groceries, Dry Goods, Meats, etc.," with his or their name or names and the date of presentation to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department, or his duly authorized agent, and read.

THE BOARD OF PUBLIC CHARITIES RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 419, CHAPTER 378, LAWS OF 1897.

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

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

Delivery will be required to be made from time to time and in such quantities as may be directed by the said Commissioners.

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect, and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, each in the penal amount of fifty (50) per cent. of the bid for each article. (No bonds or deposit required on bids under One thousand Dollars.)

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

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

good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

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

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

The quality of the articles, supplies, goods, wares and merchandise must conform in every respect to the samples of the same on exhibition, or, in the absence of samples, to the printed specifications. Bidders are cautioned to examine the specifications for particulars of the articles, etc., required before making their estimates, and are cautioned against referring to any samples or specifications other than those furnished by the Department. Such references are cause for rejecting bids whereon they are written, and will in no case govern the action of the Department officers in passing upon tenders.

Bidders will state the price for each article, by which the bids will be tested.

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

Each article when delivered shall have a tag attached bearing the number.

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine.

The form of the contract, including specifications, and showing the manner of payment, can be obtained at the office of the Commissioner for the Borough of Richmond, at Stapleton, S. I., and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities will insist upon its absolute enforcement in every particular.

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

DEPARTMENT OF PUBLIC CHARITIES,
BOROUGH OF MANHATTAN AND THE BRONX,
FOOT OF EAST TWENTY-SIXTH STREET,
NEW YORK, August 28, 1899.

LIST OF HOSPITAL SUPPLIES No. 6 AND LIST OF REPAIRS No. 5 FOR THE DEPARTMENT OF PUBLIC CHARITIES OF THE CITY OF NEW YORK.

BOROUGH OF MANHATTAN AND THE BRONX.

SEALED BIDS OR ESTIMATES FOR THE below-mentioned Hospital Supplies and Repairs will be received at the Central Office of this Department, foot of East Twenty-sixth street, until 12 o'clock noon,

MONDAY, SEPTEMBER 11, 1899,

at which time they will be publicly opened and read.

The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid for Hospital Supplies, or Repairs," with his or their name or names and address, which should also be written on the page of the specifications designated therefor, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President, or his duly authorized agent, of said Department, and read.

Bidders must state the price of each article per pound, dozen, gallon, yard, etc., by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total footings and awards made to the lowest bidder on each item. But in the case of Line Numbers 2868 to 2872; 2890 to 2892; 2894 to 2906; 2908 to 2926; 2946 to 2950; 2964 to 2966; 2982 to 2984, the award will be made to the lowest bidder on the items combined under those numbers; but every item must be bid on.

All estimates not conforming to these requirements may be considered as informal.

If two or more bids are alike, the Department reserves the right to select the article or articles among the bidders, or to make the award to any one of them. Bidders are not compelled to furnish more than 20 per cent. of any article in excess of the mentioned amount. But if they are willing, and the Department deems it advantageous, further purchases of the respective articles may be made, at the contract price, during the balance of the year.

The Department reserves the right to take more or less, or none at all, of any of the articles, according as the demand therefor may be.

All bids must be based upon the descriptions furnished or samples exhibited by this Department, and not on samples furnished by the bidder.

Samples will be on exhibition at the General Drug Department on the grounds of Bellevue Hospital, East Twenty-sixth street, during office hours, from September 5, until the bids are opened.

I.—SPECIFICATIONS OF SUPPLIES.

A.—DRUGS AND CHEMICALS.

- | Contract Line. | More or Less. |
|----------------|--|
| 2850. | 16 ounces Betol, 1 oz. orig. v. |
| 2852. | 5 pounds Caffeine, Citrated, U. S. P. (50 per cent.), 1 lb. orig. b. |
| 2854. | 2 gm. Colocynthin, Glucoside, C.P., Merck's, 2 gm. or v. |
| 2858. | 3 pounds Confection Senna, U. S. P., 1 lb. orig. jars. |
| 2860. | 40 gallons Fluid Extract Cascara, strictly U. S. P. (containing the resin, and made with U. S. P. Diluted Alcohol), in 5 gall. orig. pack. |
| 2862. | 5 gm. Holocaine Hydrochlorate, 1 gm. orig. v. |
| 2864. | 56 pound Iron Iodide, Syrup, U. S. P., 7 lb. orig. b. |
| 2866. | 25 pounds Logwood, powd., paper. |
| 2868. | 1/2 pound Oil Coriander, Fr. Bros., orig. b. |
| 2870. | 1 pound Oil Fennel, Sweet, Fr. Bros., orig. b. |
| 2872. | 1 pound Oil Nutmeg, essent., Fr. Bros., orig. b. |
| 2874. | 4 pounds Pegamoid Varnish, 1 lb. orig. cans. |
| 2876. | 500 pounds Petrolina, 25 lb. orig. pack. |
| 2878. | 50 pounds Plaster, Lead, strictly U. S. P. (dry), 2-lb. rolls. |

2880. 100 pounds Resin, best white, strained, paper.
2882. 6 pounds Silver Nitrate, cryst., C.P., 1-lb. orig. b.
2884. 10,000 pounds Sugar, extra coarse, granulated, about 20 barrels at a time.
2886. 2 pounds Tablets (compressed), Ammonium Chloride, 5 grs., 1-lb. orig. bott.
- B.—SUNDRIES.
2890. 12 gross Bottle Brushes, W. F. & Co.'s regular.
2892. 1 gross Bottle Brushes, W. T. & Co.'s No. 2 ("Magic.")
- Electric Supplies (Lines 2894-2906).
2894. 300 feet Electric-light Wire, No. 12.
2896. 150 feet Electric-light Wire, No. 14.
2898. 12 K. K. Cut-outs.
2900. 500 feet Moulding for No. 12 or 14 Wire.
2902. 2 dozen Edison Sockets.
2904. 1 Double Pole Switch, 20 amperes.
2906. 12 Renewals for the Edison-Lalande Battery type "S."
- Hardware (Lines 2908-2926).
2908. 2 dozen each Brackets, Shelf, extra heavy iron, jannaped, Sargent & Co., No. 48; 6-inch by 8-inch; 8-inch by 10-inch.
2910. 2 sets Can Hooks, like sample.
2912. 2 Hose Pipes with Stop-cock, like sample.
2914. 1 Scale, Dial, Chatillon, No. 047 B, with Brass Scoop.
2916. 1 Scale, Dial, Chatillon, No. 146 M, with Brass Scoop.
2918. 2 dozen Screw Eyes, heavy, to order.
2920. 1 dozen Shears, "Domestic," Trimmer Handle, No. 3 (8-inch), S. & Co.'s Cat., p. 157.
2922. 1 dozen Shears, "Banker's," Trimmer Handle, 11-inch, S. & Co.'s Cat., p. 1034.
2924. 1 dozen Shears, "Barber's," Lipped, 9-inch, S. & Co.'s Cat., p. 1034.
2926. 400 square feet Iron Wire, galvanized, like sample.
2928. 3 dozen Labels, glass, for Drawer Pulls (W. T. & Co.'s 386 or 386).
2930. 200 pounds Paper, Napier Bond or equal, like sample.
2932. 50 pounds Twine, Best Linen, assort. sizes.
- C. SURGICAL SUPPLIES.
2940. 2 Applicators, Cotton, Bang's (Tiemann & Co.).
2942. 1 Catheter, Invaginating, Gouley's.
2944. 2 dozen Dusters, for Powders, like sample.
2946. 1 Endoscope Lamp, Otis', Bull's Eye Mouth.
2948. 1 dozen Endoscope Tubes, Otis', 6-inch, plated, assort.
2950. 1 dozen Endoscope Tubes, Klotz's, plated, assort.
2952. 1 dozen Forceps, Artery, like sample.
2954. 1 dozen Forceps, Artery, Phelps.
2956. 2 Forceps, Ear, Wilde's, plain.
2958. 2 Forceps, Tenaculum, Wyllie's (Kny 9770).
2960. 1 Forceps, Tongue, Berger's (Kny 6104).
2962. 1 Forceps, Throat, Cusco's (Reynd. 252-154).
2964. 3 Forceps, Vulsellum, 2-prong, with catch.
2966. 3 Forceps, Vulsellum, 1-prong, with catch. Both of the preceding to be curved on flat, edgewise (Reynd. 346-321).
2968. 2 Hooks, Strabismus.
2970. 1 Infusion Apparatus, Kelly's (Kny 19001).
2972. 1 Inhaler I. Ether, Wiggins, Ford's own make.
2974. 1 Irrigator, Valentine's, latest form, with 12 extra tubes, Tiemann's own make.
2976. 2 Knives, Cataract, Beers', or equivalent.
2978. 1 dozen Labels, Floating, Robb's. Labels as ordered.
2980. 4 Mallets, Raw Hide.
2982. 15 ounces Microscopic Cover Glasses, No. 1, 3/4 inch or 1 inch, round.
2984. 15 ounces Microscopic Cover Glasses, No. 1, 3/4 inch or 1 inch, square.
2986. 2 dozen Nipple Shields, Phoenix No. 4.
2988. 2 Retractors, Skin-grafting.
2990. 2 Scissors, Gynecological, Clarke's Tooth-edged.
2992. 2 dozen Stop-cocks, H. R. (Kny 17170).
2994. 1 Syringe, Bladder, Carleton's Modification of Janet's. Kny-Scheerer's own make.
2996. 1 Syringe, Canaliculus; Anel's.
2998. 1 Syringe, Deep Urethral, Keyes'; silver tube.
3000. 1 Trephine for De Vilbiss' Rongeur.
3002. 6 Trocars Aspirating, Billrath's, assort.
3004. 6 Tubes, Rectal, Kemp's, met. plated.
3006. 12 Tubes, glass, Water-gauge for Sterilizers (ab. 4 1/2 inch by 1/2 inch).
3008. 12 Tubes, glass, "Y," 3-16 inch or 1/4-inch bore.
3010. 12 Tubes (or Cylinders) on foot, for Squibb's Urinometers.
3012. 50 pounds Tubing, Rubber, marbled, like samples.
3014. 1 Urine Separator, Harris'.
3016. 4 dozen spoons Wire, Piano, No. 5, silver-plated, on spoons like sample (National Music String Company's).
3018. 2 dozen Syringes, Hypodermic, special, like sample.
3020. 2 Counting Cells, Leitz's, for Thoma's Haemocytometer.
3022. 1 Extension Apparatus f. applying Plaster Dressings to lower extremities. (Reynd. Cat. p. 565, No. 350.)
- II. SPECIFICATIONS OF REPAIRS.
3030. 1 lot Clinical and Surgical Instruments.
3032. 1 lot Medical Batteries.
3034. 1 lot Operating Room Tables and Furniture.
3036. 1 lot Sterilizers.

NOTE. The Instruments and Batteries (Nos. 3030 and 3032) can be examined by the bidders at the General Drug Department, during office hours, from Thursday September 7, until the bids are opened.

Information regarding the articles under 3034 and 3036 is to be obtained at the General Drug Department during the same period. But bidders will have to examine the articles to be repaired at the several institutions where they are located.

The articles, supplies, goods, wares and merchandise are to be delivered, free of expense, at the General Drug Department on the grounds of Bellevue Hospital, East Twenty-sixth street, east of First avenue, and are to be delivered in such quantities and at such times as may be required.

The quality of the Hospital Supplies must conform in every respect to the specifications and samples, and bidders are cautioned to examine both specifications and samples of the articles required before making their estimates.

THE BOARD OF PUBLIC CHARITIES RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1888.

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

any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

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

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

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

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine.

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

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

DEPARTMENT OF WATER SUPPLY.

DEPARTMENT OF WATER SUPPLY,
COMMISSIONER'S OFFICE,
No. 21 PARK ROW,
New York, August 23, 1899.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A sealed envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at No. 21 Park Row, in Room No. 1536, until 2 o'clock P. M., on

THURSDAY, SEPTEMBER 14, 1899.

The bids will be publicly opened by the head of the Department at the hour above-mentioned.

Boroughs of Manhattan and The Bronx.
No. 1.—FOR FURNISHING, DELIVERING AND LAYING WATER-MAINS IN LONG-

WOOD, EDGEcombe AND KATONAH AVENUES, AND IN TWO HUNDRED AND THIRTY-FOURTH, TWO HUNDRED AND THIRTY-FIFTH, TWO HUNDRED AND THIRTY-SIXTH, TWO HUNDRED AND THIRTY-SEVENTH, TWO HUNDRED AND THIRTY-EIGHTH, TWO HUNDRED AND THIRTY-NINTH AND DYCKMAN STREETS, AND ON BLACKWELL'S ISLAND.

No. 2.—FOR BUILDING FOUNDATIONS FOR HIGH-SERVICE WORKS AT JEROME AVENUE, between Two Hundred and Fourth street and Moshulu Parkway, AND IMPROVEMENT OF ADJACENT GROUNDS.

Borough of Queens.
No. 3.—FOR FURNISHING, DELIVERING AND LAYING WATER-MAINS IN BROADWAY, from Flushing Pumping Station to City Line, and in MAIN AVENUE, between Broadway and Little Neck Bay.

Borough of Brooklyn.
No. 4.—FOR FURNISHING, DELIVERING, ERECTING, PAINTING AND COMPLETING A SELF-SUPPORTING STEEL CHIMNEY AT MOUNT PROSPECT ENGINE-HOUSE, UNDERHILL AVENUE, BOROUGH OF BROOKLYN.

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

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties

for its faithful performance, and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting, the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract over and above his liabilities as bail, surety or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

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

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained in Room No. 1521.

WILLIAM DALTON,
Commissioner of Water Supply.

SUPREME COURT.

KINGS COUNTY.

In the matter of the application of The City of New York, relative to acquiring title to SEVENTY-THIRD STREET, from Sixth avenue to Seventh avenue, in the Thirtieth Ward, in the Borough of Brooklyn, City of New York, as the same has been heretofore duly laid out.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held for the hearing of motions in the County Court-house, in the Borough of Brooklyn, in the City of New York, on Saturday, the 16th day of September, 1899, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises, and the appurtenances thereto belonging, required for the opening of a certain street or avenue known as Seventy-third street, from Sixth avenue to Seventh avenue, in the Thirtieth Ward, in the Borough of Brooklyn, City of New York, being the following-described lots, pieces or parcels of land, viz.:

Beginning at the corner formed by the intersection of the southerly line of Seventy-third street with the westerly line of Seventh avenue, as said street and avenue are laid down on the Commissioners' Map, and running thence northerly along the westerly line of Seventh avenue 64.31 feet; thence westerly and deflecting 68 degrees 54 minutes 66 seconds to the left 835.97 feet to the westerly line of Sixth avenue; thence southerly and deflecting 111 degrees 5 minutes 4 seconds to the left 64.31 feet to the southeasterly side of Seventy-third street, and thence running easterly along said line 835.97 feet to the point or place of beginning.

Said street was duly laid out on the Map or Plan of the Town Survey Commissioners for laying out avenues, streets, piers and bulkheads in the towns of New Utrecht, Flatbush, Gravesend, Flatlands and New Lots, which was duly filed in the office of the Register of the County of Kings on the 17th day of June, 1874.

Dated BOROUGH OF BROOKLYN, CITY OF NEW YORK, September 2, 1899.

JOHN WHALEN,
Corporation Counsel,
Borough Hall,
Brooklyn, N. Y.

KINGS COUNTY.

In the matter of the application of The City of New York, relative to acquiring title to EIGHTH AVENUE, from Fifth street to Seventh avenue, in the Thirtieth Ward, in the Borough of Brooklyn, City of New York, as the same has been heretofore duly laid out.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held for the hearing of motions in the County Court-house, in the Borough of Brooklyn, in the City of New York, on Saturday, the 16th day of September, 1899, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises, and the appurtenances thereto belonging, required for the opening of a certain street or avenue known as Eighth avenue, from Fifth street to Seventh avenue, in the Thirtieth Ward, in the Borough of Brooklyn, 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 northerly line of Fifth street with the easterly line of Eighth avenue, as said street and avenue are laid down on the Commissioners' Map, and running thence westerly along the northerly line of Fifth street 80 feet to the westerly line of Eighth avenue; thence southerly along said line deflecting 90 degrees to the left 2,082.88 feet to the northerly line of Fifty-eighth street; thence easterly along said line 80 feet to the easterly line of Eighth avenue, and thence northerly along said line 2,082.88 feet to the point or place of beginning; also

PARCEL "A."

Beginning at a point formed by the intersection of the southerly line of Fifty-eighth street to the easterly line of Eighth avenue, as said streets and avenues are laid down on the Commissioners' Map, and running thence westerly along the southerly line of Fifty-eighth street 80 feet to the westerly side of Eighth avenue, thence southerly and deflecting 90 degrees to the left 200.36 feet to the northerly line of Fifty-ninth street; thence easterly along said line

80 feet to the east side of Eighth avenue, and thence running northerly along said line 200.36 feet to the point or place of beginning; also

PARCEL "C."

Beginning at a point formed by the intersection of the southerly side of Fifty-ninth street with the easterly side of Eighth avenue, as said street and avenue are laid down on said map, and running thence westerly along the southerly line of Fifty-ninth street 80 feet to the westerly line of Eighth avenue; thence southerly along said line and deflecting 90 degrees to the left 200.36 feet to the northerly line of Sixtieth street; thence easterly along said line 80 feet to the easterly line of Eighth avenue, and running thence northerly along said line 200.36 feet to the point or place of beginning; also

PARCEL "D."

Beginning at a point formed by the intersection of the southerly line of Sixtieth street with the easterly line of Eighth avenue, as said street and avenue are laid down on said map, and running thence westerly along the southerly line of Sixtieth street 80 feet to the westerly line of Eighth avenue, thence southerly along said line and deflecting 90 degrees to the left 1,240 feet to the northerly side of Sixty-fifth street; thence easterly along said line 80 feet to the easterly line of Eighth avenue, and thence running northerly along said line 1,240 feet to the point or place of beginning; also

PARCEL "E."

Beginning at a point formed by the intersection of the southerly line of Sixty-fifth street with the easterly line of Eighth avenue, as said street and avenue are laid down on said map, and running thence westerly along the southerly line of Sixty-fifth street 80 feet to the westerly line of Eighth avenue; thence southerly along said line and deflecting 90 degrees to the left 980 feet to the northerly line of Bay Ridge avenue; thence easterly along said line 80 feet to the easterly line of Eighth avenue and running thence northerly along said line 980 feet to the point or place of beginning; also

PARCEL "F."

Beginning at a point formed by the intersection of the southerly line of Bay Ridge avenue with the easterly line of Eighth avenue, as said street and avenue are laid down on said map, and running thence westerly along the southerly line of Bay Ridge avenue 80 feet to the westerly line of Eighth avenue; thence southerly along said line and deflecting 90 degrees to the left 720 feet to the northerly line of Seventy-second street; thence easterly along said line 80 feet to the easterly line of Eighth avenue; thence running northerly along said line 720 feet to the point or place of beginning; also

PARCEL "G."

Beginning at a point formed by the intersection of the southerly line of Seventy-second street with the easterly line of Eighth avenue, as said street and avenue are laid down on said map, and running thence westerly along the southerly line of Seventy-second street 87.31 feet to the easterly line of Seventh avenue, thence southerly along said line 278.66 feet; thence northerly and deflecting 170 degrees 54 minutes 5 seconds to the left 61.34 feet to the northerly line of Seventy-third street to the easterly line of Eighth avenue, and running thence northerly along said line 200 feet to the point or place of beginning.

Said street was duly laid out on the Map or Plan of the Town Survey Commissioners for laying out avenues, streets, piers and bulkheads in the towns of New Utrecht, Flatbush, Gravesend, Flatlands and New Lots, which was duly filed in the office of the Register of the County of Kings on the 17th day of June, 1874.

Dated BOROUGH OF BROOKLYN, CITY OF NEW YORK, September 2, 1899.

JOHN WHALEN,
Corporation Counsel,
Borough Hall,
Brooklyn, N. Y.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to that portion of CLINTON AVENUE, from Gates avenue to Willoughby avenue, in the Twentieth Ward, Borough of Brooklyn, City of New York, pursuant to the provisions of chapter 257 of the Laws of 1899.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held for the hearing of motions, in the County Court-house, in the Borough of Brooklyn, in the City of New York, on Saturday, the 16th day of September, 1899, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises, and the appurtenances thereto belonging, required for the opening and widening of a certain street or avenue known as Clinton avenue, from Gates avenue to Willoughby avenue, in the Twentieth Ward, Borough of Brooklyn, City of New York, being the following-described lots, pieces and parcels of land, viz.:

Beginning at a point where the easterly line of Clinton avenue is laid out, pursuant to chapter 257 of the Laws of 1899, intersects the northerly line of Gates avenue, as laid down on the Commissioners' Map of the City of Brooklyn, and running thence westerly along the northerly line of Gates avenue one hundred and twenty (120) feet; thence northerly and deflecting to the right seven hundred and forty (740) feet to the southerly line of Greene avenue; thence easterly twenty (20) feet; thence northerly seventy (70) feet; thence westerly twenty (20) feet; thence northerly and deflecting ninety (90) degrees to the right four hundred and seventy (470) feet to the southerly line of Lafayette avenue; thence easterly twenty (20) feet; thence northerly seventy (70) feet; thence westerly twenty (20) feet; thence northerly deflecting ninety (90) degrees to the right 474.05 feet to the southerly line of DeKalb avenue; thence easterly 20.41 feet; thence northerly 71.42 feet; thence westerly 20.41 feet; thence northerly deflecting seventy-eight (78) degrees, 32 minutes and 30 seconds to the right 705.67 feet to the southerly side of Willoughby avenue and thence easterly 120.92 feet; to the easterly line of Clinton avenue as laid out pursuant to the provisions of the aforesaid chapter 257 of the Laws of 1899; and running thence southerly, deflecting 90 degrees, to the right, six hundred and ninety-eight (698) feet to the northerly line of DeKalb avenue; thence westerly twenty (20) feet; thence southerly seventy (70) feet; thence easterly twenty (20) feet; thence southerly and deflecting 90 degrees to the right four hundred and seventy (470) feet to the southerly line of Lafayette avenue; thence easterly twenty (20) feet; thence northerly seventy (70) feet; thence westerly twenty (20) feet; thence northerly seventy (70) feet; thence easterly twenty (20) feet; thence southerly seventy (70) feet; thence easterly twenty (20) feet; thence southerly and deflecting 90 degrees to the right four hundred and seventy (470) feet to the northerly line of Greene avenue; thence westerly twenty (20) feet; and thence southerly seventy (70) feet; thence east twenty (20) feet and thence southerly seven hundred and forty (740) feet to the point or place of beginning.

Said avenue was laid down on the Map or Plan of the City of Brooklyn, on file in the Department of Highways, as an eighty foot street or avenue, and is now to be widened twenty (20) feet on each side so as to make it one hundred and twenty (120) feet, pursuant to the provisions of chapter 257 of the Laws of 1899.

Dated BOROUGH OF BROOKLYN, CITY OF NEW YORK, September 2, 1899.

JOHN WHALEN,
Corporation Counsel,
Borough Hall,
Brooklyn, N. Y.

KINGS COUNTY.

In the matter of the application of The City of New York, relative to acquiring title to CHURCH AVENUE, from Flatbush avenue to Brooklyn avenue, in the Twenty-ninth Ward, in the Borough of Brooklyn, City of New York, as the same has been heretofore duly laid out.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held for the hearing of motions, in the County Court-house, in the Borough of Brooklyn, in the City of New York, on the 15th day of September, 1899, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue known as Church avenue, from Flatbush avenue to Brooklyn avenue, in the Twenty-ninth Ward, in the Borough of Brooklyn, City of New York, being the following-described lots, pieces or parcels of land, viz.:

PARCEL "A."

Beginning at a point where the southerly line of Church avenue intersects the westerly line of Nostrand avenue, as the same are laid down on the map or plan of the Town Survey Commissioners for laying out avenues, streets, piers and bulkheads in the towns of New Utrecht, Flatbush, Gravesend, Flatlands and New Lots, which was duly filed in the office of the Register of the County of Kings on the 17th day of June, 1874; running thence northerly along the westerly line of Nostrand avenue 80.02 feet; thence westerly and deflecting 88 degrees 52 minutes 40 seconds to the left 873.02 feet; thence westerly and deflecting 0 degrees 27 minutes 30 seconds to the right 1,601.71 feet to the line of the old Main road or turnpike through the Town of Flatbush, now included in Flatbush avenue; thence southerly and deflecting 103 degrees 39 minutes 8 seconds to the left 82.27 feet; thence easterly and deflecting 76 degrees 30 minutes 52 seconds to the left 1,532.47 feet to the westerly line of Prospect street; thence easterly and deflecting 0 degrees 0 minutes 13 seconds to the right 50 feet to the easterly line of Prospect street, and thence easterly 875.29 feet to the point or place of beginning.

ALSO PARCEL "B."

Beginning at a point where the southerly line of Church avenue intersects the easterly line of Nostrand avenue, as the same are laid down on said map; running thence northerly along the easterly line of Nostrand avenue 80.02 feet; thence easterly and deflecting 91 degrees 7 minutes 20 seconds to the right 725.14 feet to the westerly line of New York avenue; thence easterly and deflecting 1 degree 6 minutes 42 seconds to the left 80 feet to the easterly line of New York avenue; thence easterly and deflecting 0 degrees 0 minutes 38 seconds to the left 720 feet to the westerly line of Brooklyn avenue; thence southerly along the westerly line of Brooklyn avenue 80 feet; thence westerly and deflecting 90 degrees to the right 800 feet to the westerly line of New York avenue, and thence westerly 725.14 feet to the point or place of beginning.

Said avenue was duly laid out on the map or plan of the Town Survey Commissioners for laying out avenues, streets, piers and bulkheads in the towns of New Utrecht, Flatbush, Gravesend, Flatlands and New Lots, which was duly filed in the office of the Register of the County of Kings on the 17th day of June, 1874.

Dated BOROUGH OF BROOKLYN, CITY OF NEW YORK, September 2, 1899.

JOHN WHALEN,
Corporation Counsel,
Borough Hall,
Brooklyn, N. Y.

KINGS COUNTY.

In the matter of the application of The City of New York, relative to acquiring title to MONTGOMERY STREET, from the division line between the former City of Brooklyn and the former Town of Flatbush, where the same crosses Montgomery street, between Franklin avenue and Perry (Bedford) avenue, to East New York avenue, in the Twenty-fourth and Twenty-ninth Wards, Borough of Brooklyn, City of New York, as the same has been heretofore duly laid out.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held for the hearing of motions in the County Court-house, in the Borough of Brooklyn, in the City of New York, on Friday, the 15th day of September, 1899, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises thereon, and the appurtenances thereto belonging, required for the opening of a certain street known as Montgomery street, from the division line between the former City of Brooklyn and the former Town of Flatbush, where the same crosses Montgomery street, between Franklin and Perry (Bedford) avenues, to East New York avenue, in the Twenty-fourth and Twenty-ninth Wards, in the Borough of Brooklyn, City of New York, being the following-described lots, pieces or parcels of land, viz.:

PARCEL "A."

Beginning at a point where the southerly line of Montgomery street, as the same is laid out on the Map or Plan of the Town Survey Commissioners for laying out avenues, streets, piers and bulkheads in the towns of New Utrecht, Flatbush, Gravesend, Flatlands and New Lots, which was duly filed in the office of the Register of the County of Kings on the 17th day of June, 1874, and on the Commissioners' Map of the City of Brooklyn, dated December 31, 1838, now on file in the Department of Highways, intersects the division line between the former City of Brooklyn and the former Town of Flatbush, between Franklin and Bedford avenues; running thence northerly along the division line 154.51 feet; thence easterly and deflecting 15 degrees 6 minutes 44 seconds to the right 65.73 feet to the westerly line of Bedford avenue; thence easterly and deflecting 11 degrees 16 minutes 0 seconds to the left 81.57 feet to the easterly line of Bedford avenue; thence easterly and deflecting 0 degrees 2 minutes 18 seconds to the left 798.76 feet to the westerly line of Rogers avenue; thence southerly along the westerly line of Rogers avenue 70 feet; thence westerly and deflecting 90 degrees to the right 812.75 feet to the easterly line of Bedford avenue; thence westerly and deflecting 0 degrees 59 minutes 44 seconds to the right 81.31 feet to the westerly line of Bedford avenue, and thence westerly 176.08 feet to the point or place of beginning.

ALSO PARCEL "B."

Beginning at a point where the southerly line of Montgomery street intersects the easterly line of Rogers avenue, as the same are laid down on said map; running thence northerly along the easterly line of Rogers avenue 70 feet; thence easterly and deflecting 90 degrees to the right 700 feet to the westerly line of Nostrand avenue; thence southerly along the westerly line of Nostrand avenue 70 feet, and thence westerly 700 feet to the point or place of beginning.

ALSO PARCEL "C."

Beginning at a point where the southerly line of Montgomery street intersects the easterly line of Nostrand avenue, as the same are laid down on said maps; thence northerly along the easterly line of Nostrand avenue 70 feet; thence easterly and deflecting 90 degrees to the right 700 feet to the westerly line of New

WILLIAM A. BUTLER,
Supervisor.