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JOHN J. DELANY, CORPORATION COUNSEL.

EDWARD M. GROUT, COMPTROLLER.

PATRICK J. TRACY, SUPERVISOR.

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DEPARTMENT OF HEALTH.

Report for the Year ending December 31, 1903.

December 29, 1903.

Hon. SETH LOW, Mayor of The City of New York.

Sir—In accordance with the provisions of section 1168, chapter 466, Laws of 1901, I have the honor to submit a report of the operations of the Department of Health for the year ended December 31, 1903.

Up to and including December 21, 1903 (the latest figures now in hand), there were 470 less deaths than in the corresponding period of 1902, while there was of course the normal increase in the population. As a result the death rate for the period stated has fallen to 18.11, as against 18.77 in the corresponding period in 1902, and 20.00 in the year 1901.

The death rate for the year 1903 therefore will represent a still further improvement in the health of the City than was shown when the then record of 18.75 was made for the year 1902.

In the old City of New York the death rate this year will be approximately 19.10. Last year it was 19.49, which was the lowest rate then recorded since the year 1800.

In considering the several causes of death it is found that all the strictly contagious diseases show a decrease excepting diphtheria. Certain of the infectious diseases, however, such as influenza, tuberculosis and pneumonia, show an increase. Diarrhea, the main cause of the deaths under two years, shows a marked decrease. There were 9,460 more births reported than in the corresponding period of last year, and 1,918 marriages; this increase is a great part normal, but in part also due to more rigid enforcement of the requirements upon physicians and midwives relative to reports of births, and upon physicians relative to reports of marriages. The comparative table of deaths for the periods named above is as follows:

	1902.	1903.
All causes	66,261	65,791
Typhoid fever	734	637
Malarial fevers	126	88
Smallpox	309	4
Measles	700	480
Scarlet fever	934	701
Whooping cough	410	322
Diphtheria and croup	1,942	2,106
Influenza	150	393
Phthisis	7,366	7,749
Tubercular meningitis	786	798
Other forms tuberculosis	528	466
Cancer, malignant tumors	2,380	2,534
Meningitis, simple	976	878
Apoplexy	2,443	2,461
Organic heart disease	4,758	4,605
Acute bronchitis	1,831	1,503
Chronic bronchitis	378	264
Pneumonia	6,043	6,111
Broncho-pneumonia	3,019	3,161
Diarrheas (under two years)	4,804	4,399
Bright's disease and nephritis	5,278	5,472
Congenital debility and malformations	2,974	3,439
Old age	923	788
Violent deaths	3,651	3,970
Sunstroke	29	141

	1902.	1903.
Other accidents	2,978	3,163
Homicides	92	86
Suicides	552	580
Under one year	15,083	14,015
One year and under two	4,020	3,919
Total under five	23,854	21,242
65 and over	8,840	9,346
Births	82,435	91,895
Marriages	35,008	36,926

Another evidence of increasing healthfulness of the City is found in the fact that the only increase in the number of deaths is found in those persons sixty-five years and over, which would indicate that preventive health measures have a marked effect in preserving life during the period in which the living are most useful members of society.

Contagious Diseases.

The most marked decrease in the number of deaths from contagious disease was that in smallpox, where the number of deaths decreased from 309 in 1902 to 4 in 1903. As a result of the very large number of vaccinations obtained in the first six months of 1902, cases of smallpox were reduced enormously, and of the cases treated in our hospitals about 40 per cent. were derived from incoming steamships or from other cities of the United States. Vaccination has since been continued as vigorously as possible with the forces at hand, and if people could be aroused to the necessity of vaccination between epidemics, small pox in this City, according to the best medical opinion, would soon be a thing of the past.

Other marked decreases in contagious diseases are shown in the following table of deaths:

	1902.	1903.
Measles	700	480
Scarlet fever	934	701
Whooping cough	410	322

The decided decreases shown above are due in part no doubt to the extension and elaboration of the new system of medical school inspection adopted in September, 1902. The only increase in deaths of the character common to school children occurred in diphtheria and croup, where 2,106 deaths occurred in 1903 as compared with 1,942 in 1902.

Medical School Inspection.

The system of medical school inspection adopted in September, 1902, as previously stated, was developed during the period from January to June, and September to December, 1903. All schools of this City were inspected regularly every morning, and weekly examinations of members of various schools were also instituted, while the school nursing system begun in 1902 with one nurse has been developed until there are now thirty-three school nurses in the employ of this Department. These nurses co-operated with the physician in charge of the school, particularly with respect to the medical supervision over pupils who would otherwise have to be excluded until cured of some minor contagious trouble such as pediculosis or the like. The intention has been not merely to exclude children having contagious disease from attendance in school, but to secure their prompt treatment and return for tuition. To this end Medical Inspectors are now required to ask names and addresses of all children who have been absent from school for several days for unknown reasons, and who, in the opinion of the School Board, may be sick. The homes of these pupils are then visited by the Medical Inspector, and in this way the Department has found a large number of cases of contagious disease which would not otherwise have been reported. By the institution of a comprehensive card index system of keeping the records, the method of keeping the children under observation and giving them the necessary treatment has been so systematized as to reduce the necessary exclusions 98 per cent. by comparison with the number when the present Medical School Inspection system was first instituted.

It is the duty of the school nurse to co-operate with the Medical Inspector and receive from him the reports of children who must be excluded or treated. The nurse then puts these children under treatment, if for some minor contagious disease, and she reports to the doctor so that these children need not be excluded, but may return to the class room with their record indorsed "under treatment." The nurses also follow up children absent from school. The treatment which the nurse administers is confined to the following diseases:

Pediculosis, conjunctivitis, ringworm, impetigo, favus, molluscum contagiosum, scabies.

After several months of nurse attendance at schools it has been found that their work at the schools has been materially decreased, due to the cleaner state of the pupils. They are required to devote their spare time to visiting the families and instructing parents in hygiene and nursing.

Nursing.

The enormous number of trachoma cases found in the schools in the autumn of 1902 made necessary the establishment of a special hospital for the treatment of trachoma, which was opened on December 16, 1902, at the foot of Gouverneur street. Since that time and until June, 1903, 12,839 patients were treated, of which 2,761 were operative cases. Treatments have since been continued at about the same rate. Trachoma, however, is so tedious in treatment that some of the patients have to visit the hospitals many times. The total number of visits from January 1 to November 20 was 106,040. At the same time the number of new cases applying for treatment has fallen off, showing that considerable progress has been made in diminishing the prevalence of this disease among the school children of this City. A second hospital is now almost ready for use at One Hundred and Eighteenth street and Pleasant avenue, and the prospect for eradicating trachoma is, therefore, steadily improving.

Summer Corps.

The work of the Summer Corps in 1903 was based for the first time on systematic visits to the parents of children, the record of whose birth had been reported at the Bureau of Vital Statistics in the period from August 1, 1902, to June 30, 1903. This system was only partially effective because a great many of the families thus reported had moved. The work was then supplemented by routine inspections and the visiting physicians went from house to house and reported the "history" of every child found under one year of age. After treatment by the physician, the case was frequently turned over to one of the nurses, and both medical and nursing corps dispensed tickets for sterilized milk and various summer charities. Sunstroke circulars were also distributed in every house visited, and the Department established dispensaries on five of the recreation piers, where physicians were kept on duty from 3 to 5 P. M., every afternoon except Sunday.

Orthopedic Deformity and Refractive Errors.

During the year 1903, special examinations were had for orthopedic deformity and refractive errors in school children. Out of a total number of 1,061 examined for orthopedic defects, 163 were found with deformed feet, and 326 with deformity of the spine.

Of 981 examined for refractive errors, 67 were found with vision 20-30 or less in one eye, and 228 in both eyes.

Conferences are now in progress to take up this work in connection with the Board of Education.

Laboratory and Dispensary Work.

I am pleased to be able to report a large increase in the work of the diagnosis and research laboratories, with further extension of the system of collecting cultures for private physicians.

For the treatment of cases of tuberculosis, considerable more work has been done this year than ever before. Besides the bacterial diagnosis work of the laboratories and the routine inspections by physicians of the Department, a corps of three nurses has been employed, whose duty it is to visit all cases of tuberculosis where the patient is reported as being incapacitated for work, and to render any necessary aid, see that instructions are being carried out, furnish sputum cups, etc.

In May last a sanitarium for the treatment of cases of pulmonary tuberculosis was opened at Riverside Hospital on North Brother Island, and the admission of patients continued until August, when the work was curtailed on account of lack of funds. In that brief time good results were manifest, as may be seen from a detailed report hereto annexed.

A building for use as a dispensary in cases of pulmonary tuberculosis has been erected on the property just south of the present headquarters; it has been leased for the Department, and will be opened on or about January 1, 1904, and should prove to be effective not only in giving treatment to visiting patients, but in disseminating information on the subject of the prevention of tuberculosis.

Sanitary Work.

The most notable feature of sanitary work of the year was the reinforcement of the smoke ordinance following the great strike at the anthracite coal mines. In spite of the predictions that New York would never again be free from smoke in its atmosphere, prosecutions were had of all of the worst offenders, and the nuisance reduced to a minimum, so that the City's atmosphere is now clearer than ever before. During the year 116 persons were arrested for maintaining a smoke nuisance, of whom 46 were held for trial in the Court of Special Sessions. In 32 of these cases sentence was suspended, eight persons were fined and six cases remain to be disposed of.

Realizing the necessity of improving the condition of property on the north end of Manhattan Island, which, in a short time, will be reckoned within the built-up portions of the City, the Department, in the spring of 1902, made a general inspection of the unimproved property in that region mainly for the purpose of determining all premises on which water might collect. Orders were issued in all instances where the attention of the Department was required, and with the co-operation of the Department of Highways, and of private owners, improvement has been made in the Inwood section, especially with respect to the removal of stagnant water from low-lying lands. Other particular activities of the sanitary division include the inspection of slaughter houses, on account of which not a single complaint has been received during the year, and the inspection of private bathing establishments, with the result that a large number of orders have been issued tending to more frequent changing of the water in the pools.

Important changes in the Child Labor Law have necessitated an enlargement of the scope of the mercantile inspection work. It now includes not only mercantile establishments, but also business offices, telegraph companies, restaurants, hotels and the like. The new law is more difficult of enforcement, but the Department believes it to be a valuable addition to existing statutes. A few minor amendments which need not be dealt with in detail here would decidedly increase its efficiency and fairness to the persons affected.

Considerable extension has been made in the work of inspecting milk, and a large number of stores which sold milk under unsanitary conditions have been compelled to cease such sale. In the Borough of Manhattan 2,291 new permits for the sale of milk have been issued and 4,598 revoked.

New Buildings.

A large amount of work has been done upon the contagious disease hospital grounds for the repair of old buildings and the construction of new ones. Some of the items included in this general statement are as follows:

New Buildings.

BOROUGH OF MANHATTAN.

New gate house, finished.
Scarlet Fever Pavilion, Willard Parker Hospital, to accommodate 250 cases, now building.
Administration Building, contract awarded.
Laboratory Building, contract awarded.

Tuberculosis Dispensary, Adjoining Main Office.

BOROUGH OF THE BRONX.

Riverside Hospital.

Dock house, finished.
Storehouse, finished.
Nurses' Home, nearly finished.
Coal storage house, work in progress.
Summer house, finished.
Laundry building, contract to be awarded.
Disinfecting station, One Hundred and Thirty-second street and East river, nearly finished.

BOROUGH OF BROOKLYN.

Boiler house and chimney, nearly finished.
Disinfecting and laboratory building, nearly finished.
Pavilion, contract awarded.
Nurses' Home, contract awarded.
Coal storage house, contract to be awarded.

BOROUGH OF RICHMOND.

Disinfecting station, finished.

Additional land has been acquired for hospitals as follows:

Borough of The Bronx, nine acres to be developed.
Borough of Brooklyn, seven acres, to be developed.
Borough of Queens, twenty-two acres, to be developed.
Repairs and alterations have been made as follows:

BOROUGH OF MANHATTAN.

Main Office Building—General overhauling and fireproof vault for the storage of records.

Willard Parker Hospital, East Sixteenth street—General repairs to all buildings and boiler plants.

BOROUGH OF THE BRONX.

Riverside Hospital, North Brother Island.

Remodeling of stable building into dormitory building. Addition to disinfecting building. Remodeling Pavilions Nos. 3, 6, 8, 9 and 10. Nearly all plumbing in the various buildings has been replaced by new plumbing. The buildings have been extensively repaired and all painted. Boiler plant has been overhauled and improved. The buildings are now much better protected than heretofore, all having inclosed foundations, which is very necessary in this exposed location.

BOROUGH OF BROOKLYN.

Kingston Avenue Hospital.

Buildings have been extensively repaired, inside and outside, and repainted. Inclosing walls have been provided beneath pavilions set on piers, and much of the old plumbing has been replaced by new. Two new washing machines have been provided for the laundry, and new slate roof has been placed on the laundry building.

Buildings leased for the use of this Department have been fitted for use as follows:

Northwest corner Avenue C and Sixteenth street—Dormitory for Willard Parker Hospital.

Northwest corner One Hundred and Eighteenth street and Pleasant avenue as a hospital for contagious eye disease (trachoma).

Rear of Nos. 1034 and 1036 East One Hundred and Thirty-fourth street as an ambulance stable.

Four new improved sterilizing disinfecting chambers have been purchased in order to provide facilities for the disinfection of infected clothing in each borough.

Plans have been prepared for two isolation buildings at Riverside Hospital, disin-

fecting building, stable and laundry, also administration building, and sketches made for two pavilions for the Borough of Queens.

Sketches for a pavilion at Richmond have been made.

Respectfully submitted,

(Signed) ERNST J. LEDERLE, Ph. D., Commissioner of Health.

Department of Health, City of New York,

Southwest Corner of Fifty-fifth Street and Sixth Avenue, Borough of Manhattan, }
New York, December 31, 1903.

Hon. ERNST J. LEDERLE, Ph. D., President of the Board of Health:

Sir—I have the honor to present herewith reports relative to the work of the Department of Health, performed in the office and under the supervision of the Secretary during the year ending December 31, 1903, submitted by the Chief Clerk of the Department and the Assistant Chief Clerks assigned to duty in the various boroughs of the City.

EUGENE W. SCHEFFER, Secretary.

Office of the Secretary—Notices of the Board.

The notices of the Board for the abatement of nuisances are issued upon the facts and evidence contained in the written reports of the Sanitary Inspectors, the result of personal inspection of premises complained of. During the year ending December 31, 1903, the number of notices issued by the Board was as follows:

Borough of Manhattan.....	14,022
Borough of The Bronx.....	2,482
Borough of Brooklyn.....	5,394
Borough of Queens.....	2,358
Borough of Richmond.....	1,441
Total.....	25,697

These notices call the attention of owners, lessees and agents to violations of the Sanitary Code in each case, and require the necessary alteration, repairs, cleaning and improvement of the premises named within five days from the receipt of the notice. If, upon reinspection, it is found that the requirements of the notice have not been complied with, a suit for penalty is commenced against the delinquents under sections 1172 and 1222, chapter 466, Laws of 1901.

The subjects of the notices of the Board above referred to are as follows:

Air-shafts cleaned, disinfected, graded, paved, connected with sewer.
Alleys cleaned, disinfected, graded, paved, connected with sewer.
Apartments cleaned, disinfected or ventilated.
Areas connected with sewer, cleaned, disinfected, pavements of, graded and repaired.
Balusters of stairs repaired.
Basements cleaned and disinfected.
Business of lard-rendering, slaughtering, gut-cleaning, fat-rendering, storing bones, manufacturing fertilizers, smoking sausages or storing rags discontinued.
Buildings cleaned or inclosed.
Ceilings cleaned, whitewashed or repaired.
Cellars cleaned, made water-tight, cemented, connected with sewer, ceilings plastered, doors repaired.
Cellars vacated as places of living or sleeping.
Cesspools disinfected, emptied, cleaned, filled, constructed, repaired or covered.
Chimneys repaired, extended, cleaned or obstructions removed.
Cisterns disinfected, emptied, cleaned, covered or provided.
Clothes-poles reset.
Coops cleaned, disinfected or removed.
Cows removed.
Dogs removed.
Drains cleaned, constructed, covered, repaired, removed, obstructions in removed, or connected with sewer.
Excavations cleaned, repaired, relaid, graded, or connected with sewer.
Fences repaired or constructed.
Fire-escapes cleaned or obstructions removed.
Fixtures trapped and waste-pipes therefrom connected on outlet side of water-closet traps.
Flashings provided over woodwork or sinks.
Floors cleaned, repaired, relaid, graded, cemented or connected with sewer.
Fowls removed.
Gas mains and pipes repaired and gas provided in dark halls and rooms.
Garbage and ash receptacles provided, removed, cleaned and disinfected.
Gutters (house or street) provided, repaired, cleaned, disinfected, obstructions in removed, connected with street sewer, street gutter or cesspool.
Halls cleaned and filthy or defective floor coverings removed.
House drains provided with running traps and fresh-air inlets.
Hydrants repaired, constructed or removed.
Ice-boxes connected with properly trapped, water-supplied, open sinks.
Joints closed or caulked with lead.
Leaders repaired, provided, extended, adjusted, connected with sewer, street, gutter or privy vault.
Lodging-houses discontinued.
Lots (vacant) cleaned, disinfected, inclosed, filled, graded, connected with sewer or street gutters.
Manure vaults, boxes or receptacles disinfected, emptied, cleaned, covered, filled, constructed or lined.
Manholes covered and repaired or removed.
Offensive trades and business discontinued or removed.
Pigeons removed.
Pipe (soil, supply, vent, waste, sewer or iron) provided.
Pipe (soil, waste or supply) repaired, trapped, removed, extended, graded, cemented, ventilated or repaired, and openings closed and obstructions removed.
Privy vaults disinfected, emptied, cleaned, ventilated, lined with brick, repaired, cemented, constructed, filled or removed.
Privy-houses cleaned, disinfected, repaired, constructed, removed, adjusted to vaults, or seats of provided with cover.
Pumps provided or repaired.
Rabbits removed.
Railings provided or repaired.
Roofs repaired or cleaned, and roof bulkheads repaired.
Roof tanks provided, cleaned or covered.
School sinks provided, cleaned or repaired.
Sewer pipes provided, repaired, obstructions in removed, trapped or openings inclosed.
Sinks provided, repaired, cleaned, removed, flushed, connected with street sewer or street gutters.
Sidewalks cleaned, repaired, graded, flagged or obstructions in removed.
Skylights repaired and provided.
Slaughter-houses cleaned, repaired or connected with sewer.
Smoke-pipes extended or repaired.
Soil-pipes discontinued as rail leaders.
Spaces cleaned, disinfected, graded, cemented, filled or connected with sewer.
Stables cleaned, removed, repaired or connected with street sewer.
Stagnant water removed.
Stairways cleaned or repaired.
Trees removed.
Urinals cleaned, disinfected, repaired, flushed, connected with sewer, removed, or floor covered with zinc.
Walls cleaned, whitewashed or repaired.
Wash-rooms repaired.
Wash-trays trapped, provided.
Water closets repaired, cleaned, disinfected, flushed, constructed, ventilated or connected with street sewer.
Water closet pans adjusted to preserve water seal, bowls burnt out and retarred, cisterns provided, window sashes repaired and glazed.

Yards cleaned, disinfected, filled, graded, paved, grade of pavements repaired, relaid in cement or connected with street sewer.

Fees Received for Searches and Transcripts.

Amount of fees received for searches and transcripts of the records of births, marriages and deaths, and deposited to the account of Health Department Fund, was as follows:

Borough of Manhattan.....	\$9,591 70
Borough of The Bronx.....	689 90
Borough of Brooklyn.....	3,970 80
Borough of Queens.....	284 50
Borough of Richmond.....	114 90

Total..... \$14,651 80

OFFICE OF THE CHIEF CLERK—ANNUAL REPORT, 1903.

Department of Health, City of New York,
Southwest Corner Fifty-fifth Street and Sixth Avenue, Borough of Manhattan,
New York, December 31, 1903.

EUGENE W. SCHEFFER, Secretary of the Board of Health of the Department of Health:

Sir—I have the honor to submit herewith a report of the work performed in the office of Accounts and Supplies during the year 1903.

In the early part of this year the control of this office was placed in the hands of the Chief Clerk. The work of the office continued to be largely the same as performed during 1902, although the title changed from "Office of the Clerk of Accounts and Supplies" to the "Office of the Chief Clerk."

Assistant Chief Clerks.

With the new designation came some new duties, however, among which was the supervision of the offices of the Assistant Chief Clerks in each of the five boroughs. Agreeable to your instructions, inspections were made of these offices periodically, and many of the conditions found which did not conform to the lines adopted in the Borough of Manhattan were changed, in so far as circumstances would warrant, so that the systems in all boroughs were made as nearly uniform as was practicable.

No supervision had previously been exercised over the offices of these clerks and many matters were found in a condition detrimental to the best interests of the service. The care of the supplies had been very much neglected in one or two of the borough offices. This condition was promptly corrected. Great trouble was experienced in one or two instances with the condition of the antitoxin and vaccine accounts. The Commissioners of Accounts, in their report submitted early in the year, complained of the manner in which these accounts were kept. At their suggestion the old balances were written off and in each instance the account was started anew. The Assistant Chief Clerks were then instructed that these accounts must be kept balanced from week to week, and that they would be held responsible for errors that might creep in. The result was that there were no errors. Other matters about which there had been some complaint were also taken up and corrected, and I therefore have the honor to report the condition of these offices to be much improved.

Another duty imposed upon the Chief Clerk, according to the rules of the Department, was the care of its property. Steps were taken in the latter part of the year to procure a storehouse near the main office at Fifty-fifth street and Sixth avenue, where supplies for the different hospitals and offices could be cared for and distributed as needed. An application for the rental of such a place was made to the Sinking Fund Commission, but was not granted. No progress was made therefore in the direction of a better supervision of the property of the Department, and this matter was passed over for action during the year 1904. No correct inventory exists of the property of the Department, and no systematic effort has been made to see that such property is kept intact, and that all old material is properly condemned and accounted for. In this respect this Department is considerably behind other branches of the City service. It had been planned that, upon the securing of a storehouse, a storekeeper would be appointed who would keep track of the property in the various hospitals. With this branch of the Department provided for, the remainder would have been simple, and could have been taken care of with the present force.

Inspector of Supplies.

In September the Board appointed an Inspector of Supplies and assigned him to the office of the Chief Clerk. His duties were to inspect the supplies delivered on all orders issued by the Chief Clerk, and to inspect also such work as had been performed on account of such orders as did not properly come under other Inspectors. Such an Inspector had long been needed, and the results obtained from this appointment have been very beneficial to the Department.

In my report for 1902 I had occasion to complain of the quality of the supplies delivered on our orders. Some of this trouble was obviated by the adoption of the contract system in the purchase of supplies. There was, however, no method of determining accurately that the deliveries made on the contracts were equal to the samples exhibited or that they were in accordance with the specifications. The Inspector of Supplies very quickly discovered that the Department was being defrauded in many instances by contractors. These contractors were informed of their delinquencies, and numerous deliveries were rejected, and the contractors compelled to deliver goods equal in every respect to the specifications and to the samples exhibited. Other Departments of the City government have been helped in this particular by the Inspectors from the Finance Department. Owing to the fact that our hospitals are for contagious diseases, there has been a standing order in the Finance Department that no Inspector shall visit these institutions to inspect any of our supplies. This matter had, therefore, been neglected until this appointment was made.

The Department undoubtedly saved much more than the salary of this Inspector from the fact that the contractors were compelled to deliver the articles called for in the contracts in accordance with the specifications therein contained and on which the bids had been made. Heretofore, they had delivered inferior goods and the resulting profit to the contractors was a loss to the Department. Much valuable help in checking these frauds was given by the chemical laboratory of the Department.

In his journeys among the various offices and hospitals under the control of the Department, this Inspector was instructed to make reports as to the condition of the supplies as he found them. Reports were submitted, from time to time, showing that there was great carelessness in some of the hospitals as to the manner in which food and drug supplies were cared for, and these conditions, having been brought to the attention of the Superintendent of Hospitals, were immediately corrected.

Among other duties imposed upon this Inspector was that of the weighing of coal delivered under contract to the Department. A very significant thing in relation to this matter came to light in the latter part of the year, namely, that the weights of three different cargoes of coal delivered to Riverside and Willard Parker Hospitals showed shortages of approximately forty-five tons, in shipments aggregating about twelve hundred tons. This meant a saving to the Department of about \$220.

Regular inspections were made by this Inspector at each of the hospitals at least once in each week, and in the different offices and other buildings under the control of the Department, as often as the conditions warranted. No bill, except for construction work, was passed through the office without having first been O. K'd. by this Inspector. The Department is receiving a much better grade of supplies in response to its orders than ever before. The contractors are compelled to make deliveries in accordance with the specifications as contained in their contracts or as embodied in the open orders issued to them. The establishment of this position has undoubtedly been a big step in advance and one of the most important matters that has come up in connection with the Chief Clerk's office during the year 1903.

Sanitary Inspectors in Charge of Construction.

Somewhat allied to this office, while not directly under its control, has been the work of the Sanitary Inspectors assigned to the various building operations. These assignments covered both repairs and new work. There have been during the year, three men detailed to this position, whose duties have been to follow the work from day to day, and to see that it was always in accordance with the plans and specifications and with the terms of the contract covering said work. Where conditions existed that were not in accordance with the plans and specifications, reports were made to this office, from time to time, by these Inspectors. This was particularly true of work which had been specified by the Inspectors themselves and where no architect had any super-

vision. These matters were taken up as they arose, and so far as possible, the contractors were compelled to alter the conditions so that they conformed to the requirements of the Department. Occasionally, questions that arose in connection with the contracts for new buildings were also referred to this office by the architects, and so far as possible, were given the necessary attention. Whenever these questions were not within the jurisdiction of this office, they were brought to the attention of the Commissioner, and rulings obtained from him. These Inspectors passed on such of the work ordered by this office as did not properly come under the Inspector of Supplies mentioned in the preceding paragraph.

The following memorandum was prepared by Inspector Frederick Sprenger, the Sanitary Inspector in charge of these Inspectors:

"Under the jurisdiction of this Department in the several boroughs are about eighty buildings, most of which are hospital buildings used for the care of patients suffering from contagious diseases. About fifteen of these buildings are leased and the rest are owned by the City. Many of the buildings have been in use for a number of years and until this year have never been extensively repaired. Nearly all the buildings connected with the hospitals have been overhauled, improved and generally repaired throughout. Three Sanitary Inspectors have been detailed to supervise the repair work and also to look after new construction. Six new buildings were under construction during the year and contracts for six more were awarded in December. Owing to the fact that but few of the better class of builders bid on department building construction and that contracts are required by law to be awarded to the lowest bidder, it requires constant effort and attention to procure in some cases a good grade of work. Much time and attention has been given during the year to assisting the architects in the preparation of plans for new buildings. Specifications of repair work are generally prepared by the Inspectors. Considerable land has been purchased during the year for the use of this Department—about twenty-two acres in the Borough of Queens, seven acres in the Borough of Brooklyn and nine acres in the Borough of The Bronx. The work of developing this property is now in progress.

"FREDERICK SPRENGER,

"Sanitary Inspector, in charge of Department Buildings, Construction and Repairs."

Appropriation Accounts.

Statement A appended to this report shows the appropriations awarded to the Department, so far as they are ascertainable, from the year 1866 to date. Statement B attached hereto shows in detail the appropriations for the year 1903.

The appropriation ledgers continue in the same good condition as reported for 1902. The usual checking with the Finance Department showed almost no errors, and in the few that were found in most instances the differences were due to mistakes in the Comptroller's books.

Statement C shows the special appropriations made to the Department by issues of Revenue Bonds and Corporate Stock. Special mention should be made of the two large issues of Corporate Stock, one in February for \$250,000 and the other in June for \$500,000, both of which were for new buildings. In this connection attention might also be called to the issue of Revenue Bonds for \$50,000 for repairs and alterations to the various buildings under the control of the Department. This latter amount was spent in continuing the general scheme for repairs at the various hospitals started in 1902. The annual estimate was forwarded to the Board of Estimate and Apportionment on September 1, as usual, covering the estimated expenditures for the year 1904.

Continued effort was made to shorten the time required to prepare bills for audit and payment at the Finance Department. So far as the work of this office was concerned there undoubtedly was a gain in this direction. We were, however, considerably hampered owing to the fact that bills were held in the hospitals and offices for weeks without any satisfactory explanation. Contractors placed the blame for this delay on this office, not being able to understand that in reality other officers of the Department were responsible. Effort is being made to see that these bills are passed to this office promptly from the hospitals and heads of divisions.

The new method of recording the liabilities of the Department, which was started in 1902, worked very satisfactorily during this year. At the close of business we were able to ascertain within a few minutes the exact amount of the unexpended balances in the various appropriations. Minor changes were made in the methods of keeping some of the records, all of which added to the effectiveness and correctness of these accounts. The so-called requisition book, which had been kept up for years, was discontinued about the middle of the year. It was discovered that all the data formerly contained in this book was practically being duplicated in the liability book and in certain card indices, so that the information could be obtained in a quicker and more satisfactory way.

Pay-rolls.

No change has been made in the method of caring for the pay-rolls of the Department. The method employed during 1902 and for some years prior to that, with slight modifications, seems to be very satisfactory. The number of names on the pay-rolls during 1903 has been somewhat increased over that of 1902. A great many temporary positions were filled during the year, which complicated the records to a great extent.

Revenue Bonds were issued by the Board of Estimate and Apportionment for the employment of Vaccinators, Special Medical Inspectors, Disinfectors, and for other purposes, which increased the number of pay-rolls very materially. As in 1902, there were practically no exceptions taken to the rolls as forwarded to the Civil Service Commission, and to the Finance Department.

During the year the Comptroller changed somewhat the method of issuing checks to the different departments. Heretofore checks had been printed for the various monthly salaries likely to occur in the Department's rolls, and it was then only necessary to fill in the employee's name. Under the new system it was impracticable to print the amount of the salaries on the checks and they were therefore submitted in blank, and the Clerk was required to write out not only the employee's name, but the amount of his salary as well. Each check was numbered and the Clerk in charge was held responsible for each individual check. If in writing any check he should in any manner spoil it, the spoiled check was to be returned to the Comptroller with those which had been properly filled out. This very materially increased the work.

Payments to the employees at the hospitals were made, as heretofore, in cash.

Purchase of Supplies.

The contract system for purchasing supplies, which was adopted in the latter part of 1902, was continued and amplified during 1903. More items were placed on contract than had been included in the contracts for 1902, and the specifications were revised and corrected so that they were much more exact and better adapted to the needs of the Department. Errors which had crept into the contracts in 1902 were corrected, and specifications that had called for goods of a character not specially adapted to the needs of the Department were changed. Inasmuch as 1902 saw the beginning of the contract system for the purchase of supplies it was perfectly natural that a considerable revision of the specifications should be necessary. Where trouble had been experienced with contractors over interpretations of some specifications, samples were exhibited.

I again have to acknowledge the valuable assistance rendered to this office by business men in various branches of trade in giving advice as to the preparation of specifications covering supplies in their respective lines of business. The plans laid down for the purchase of miscellaneous supplies not under contract during the year 1902 were continued and modified from time to time as occasions presented themselves for improving the methods in vogue. During the year over two thousand nine hundred requisitions passed through the office. The number of orders issued on each requisition averaged, as in 1902, about five, making approximately some fifteen thousand orders issued during the year. For practically everyone of these orders at least two, and in many instances as many as five, requests for estimates were issued. It can, therefore, be readily seen that the work in connection with this branch of the office increased very largely during the year.

Books, Blanks and Stationery.

Increased activities in all branches of the service made increased demands for blanks, books and stationery. As in 1902, many changes were made in existing forms, with the result that much stock was discarded and much was destroyed. The number of special requisitions sent to the City Record office continued to be very large, and resulted in much more work for this branch of the office.

The same trouble with the printing contractor which was experienced in 1902 was constantly harassing us during the entire year. The same contractor who caused the

trouble in 1902 had the contract for 1903, notwithstanding the protest made to the Board of City Record against the awarding of the contract for the supplies of this department to this person. Many items were not delivered until December, and quite a number had to be cancelled entirely.

The care of the books, blanks and stationery in the borough offices was a subject of some complaint during the year, as already mentioned in this report. Orders were issued to have all these supplies cared for by the Assistant Chief Clerks (except in the Borough of Manhattan), and put together in one place in a systematic manner. In some instances blanks were found scattered through the buildings from the cellar to the attic, and bundles of different forms were found for which there had been much demand and which no one knew existed.

Contracts.

Reference has already been made briefly to the contracts for the purchase of supplies for the different hospitals and offices. Much effort was expended to see that these were brought up to date, and, as already mentioned, errors in the specifications were corrected. During the year a great many contracts were made for new buildings and for repairs to buildings already erected. The contract forms were all prepared in this office and the proofs were read and the advertisements prepared and forwarded to the CITY RECORD for insertion in that paper.

The plans for spending the proceeds of the Corporate Stock issued in 1902 did not result in the letting of any contracts for new buildings until 1903. The contracts for the expenditure of this money appropriated in 1902, therefore, were not drawn until 1903, owing to the fact that the architects did not complete the plans and specifications for the various buildings until the latter year. The general scheme for these improvements at the various hospitals having once been settled on, the architects were able to complete their plans for the new buildings covered by the appropriations for 1903, during that year, with the result that both 1902 and 1903 contracts were drawn in the one year. This made an unusual amount of work in the contract department. Some fifty odd contract forms, covering new buildings as well as supplies, were prepared during the year.

Sale of Laboratory Products.

In the annual report for 1902, under this heading, explanation was made as to the methods employed in establishing stations throughout the city for the sale and distribution of the Department's laboratory products. It was explained that under certain conditions these products were distributed free, upon the signing of a so-called "free-slip" by the physician in charge of any particular case. The Commissioners of Accounts, who had been investigating the books relating to this branch of the office, made an examination of the free-slips obtained by the Department, with the result that a recommendation was made to the Mayor to have the matter placed in the hands of the Corporation Counsel for action. They stated in their report that certain physicians in the City were abusing the privileges extended to them by the Department and that they were obtaining antitoxin free upon these free-slips and in turn charging the patients for the material. The Corporation Counsel recommended that the matter be turned over to the District Attorney, and the District Attorney presented the matter to Justice Mayer of the Court of Special Sessions. After conferring with a representative from the District Attorney's office, and going thoroughly over the papers in the matter, Justice Mayer issued warrants for the arrest of some forty physicians. These cases were brought to trial before Judge Mayer, acting as a Committing Magistrate, and resulted in the conviction of one physician, the rest being discharged.

These actions had a marked effect upon the returns from the various stations. Drug stores which had formerly turned in almost nothing but free-slips, suddenly made considerable returns for cash sales and the number of free-slips very materially decreased.

The cash receipts from the sale of antitoxin for the year 1903 were \$17,840.46, and for vaccine virus \$3,592.45.

Owing to considerable opposition on the part of druggists and others to the Department selling its products outside of the City, the Board passed a resolution directing that the sales outside of the City limits be discontinued on and after the 1st day of July. This had the effect of materially decreasing the amount of the cash sales for the year.

The Commissioners of Accounts, in their annual report covering the work up to September 30, 1902, had occasion to complain of the condition of the antitoxin books. During the early part of the year the entire bookkeeping staff of the office was required to stay overtime to get these books in shape. Monthly trial balances were taken from the time when a balance had been made by the Commissioners of Accounts in their previous examination of these books. A large number of errors were found and corrected. The comparatively small amount which the Commissioners of Accounts had been unable to find in order to make the balance exact had, upon their advice, been written off. The bookkeeper in charge of these books was changed during the year, and the books are now balanced regularly once a month and are in excellent condition.

The new forms of journal and salesbook adopted January 1 proved themselves to be great labor-savers; at the same time their effectiveness was increased and the entries made much clearer. The accounts with the borough offices were balanced with the stock actually on hand in these offices and with their weekly returns, and have been kept so throughout the year. Previously no attempt had been made to balance the stock in the borough offices with the ledger account. This lack of system resulted in a discrepancy between the books and the actual conditions of several thousands of dollars. On the advice of the examiners from the Commissioners of Accounts' office these items were written off.

Pension Fund.

Statement D is a copy of the report of the Trustees of the Pension Fund for the year 1903. By this statement it will be seen that the fund has reached the sum of \$134,248.78. The number of pensioners on the roll is now eighteen. Three have been added during the year and one has died. The total expenditure for pensions was \$13,173.29. The income for the year 1903 was \$34,157.26, and the net increase in the fund over and above the expenditures for the year was \$20,788.97.

Conclusion.

Much remains to be done to improve the work in this office, but great improvement has been made in practically every division of the work. The amount of detail work is very great, and the volume of work is increasing rapidly. This makes it somewhat difficult to give the attention to improvements that otherwise would be given, and which they really deserve. It would not be proper to close this report without acknowledging the good work of those employees in the office who have helped so largely in bettering the conditions and in keeping the work of the office up to a high standard of efficiency.

Respectfully submitted,

F. D. BELL, Chief Clerk.

STATEMENT A.

A statement of the expenditures and appropriations from 1866 to date is here given:

1866 Expenditures (eight months).....	\$178,633 91
1867 Expenditures	180,395 13
1868 Expenditures	163,834 50
1869 Expenditures	182,258 24
1870 Expenditures	169,478 27
1871 Expenditures	194,976 54
1872 Expenditures (amount not stated).....	163,381 23
1873 Expenditures	215,885 84
1874 Expenditures	242,250 00
1875 Expenditures	413,600 00
1876 to 1888 (amounts not given in the Annual Reports).....	394,426 50
1889 Appropriation	402,615 88
1890 Appropriation	452,111 61
1891 Appropriation	566,427 56
1892 Appropriation	458,645 17
1893 Appropriation	495,830 25
1894 Appropriation	536,052 52
1895 Appropriation	581,358 00
1896 Appropriation	958,496 50
1897 Appropriation (consolidation).....	

1899 Appropriation	1,110,538 49
1900 Appropriation	1,055,515 00
1901 Appropriation	1,053,990 00
1902 Appropriation	984,391 48
1903 Appropriation	1,034,391 48

STATEMENT B.

Appropriations, 1903.

Title.		
Salaries, Board of Health and Secretary's Office.....		\$42,026 00
BOROUGH OF MANHATTAN.		
Salaries	\$241,819 52	
Supplies and Contingencies.....	20,000 00	
Removal of Night Soil, etc.....	30,000 00	
Sanitary Police	37,900 00	
Disinfection	26,880 00	
Hospital Fund	36,953 56	
Bacteriological Laboratory	49,796 00	
Salaries, Medical School Inspection.....	50,000 00	
For Abatement of Nuisances.....	500 00	
		493,849 08
BOROUGH OF THE BRONX.		
Salaries	\$62,066 64	
Supplies and Contingencies.....	2,750 00	
Disinfection	1,500 00	
Removal of Night Soil, etc.....	11,850 00	
Hospital Fund	30,000 00	
Salaries, Medical School Inspection.....	10,000 00	
Sanitary Police	4,200 00	
For Abatement of Nuisances.....	250 00	
		122,616 64
BOROUGH OF BROOKLYN.		
Salaries	\$150,957 76	
Supplies and Contingencies.....	9,042 00	
Disinfection	9,200 00	
Removal of Night Soil, etc.....	15,000 00	
Hospital Fund	23,500 00	
Salaries of Medical School Inspectors.....	25,000 00	
Support of Ambulance Service.....	20,600 00	
Sanitary Police	19,700 00	
For Abatement of Nuisances.....	500 00	
		273,499 76
BOROUGH OF QUEENS.		
Salaries	\$23,600 00	
Supplies and Contingencies.....	2,000 00	
Disinfection	2,500 00	
Removal of Night Soil, etc.....	14,950 00	
Hospital Fund	1,000 00	
Salaries, Medical School Inspection.....	5,000 00	
Support of Ambulance Service.....	2,400 00	
Sanitary Police	4,200 00	
For Abatement of Nuisances.....	250 00	
		55,900 00
BOROUGH OF RICHMOND.		
Salaries	\$27,200 00	
Supplies and Contingencies.....	1,500 00	
Disinfection	2,000 00	
Hospital Fund	1,000 00	
Salaries, Medical School Inspection.....	4,000 00	
Sanitary Police	4,200 00	
Removal of Night Soil, etc.....	6,500 00	
For Abatement of Nuisances.....	100 00	
		46,500 00
		\$1,034,391 48

STATEMENT C.

Bond Issue and Corporate Stock, 1903.

Revenue Bonds.

		Revenue Bonds.		
1902.				
No. 1.	Dec. 19	Necessary Expenses, Sanitary Police and Vaccinators.		\$30,000 00
1903.				
No. 2.	Jan. 9	Destruction of Cattle.....		10 00
No. 3.	Jan. 16	Nurses for Schools, etc.....		30,000 00
No. 4.	Mar. 20	Additional Veterinarians.....		5,000 00
No. 5.	Apr. 7	Medical Inspectors (Summer Corps).....		25,000 00
No. 6.	May 8	Hospital Charges, Manhattan.....		11,000 00
		Hospital Charges, The Bronx.....		16,000 00
		Hospital Charges, Brooklyn.....		15,000 00
No. 7.	May 22	(Typhoid, etc.) Inspectors, etc.....		10,000 00
No. 8.	July 1	Destruction of Cattle.....		67 50
No. 9.	July 31	Alterations, repairs, etc., to Buildings and Steamer "Franklin Edson".....		50,000 00
No. 10.	Oct. 8	Necessary Expenses (Disinfection and Fumigation).		15,000 00
No. 11.	Nov. 20	Destruction of Cattle.....		22 50
No. 12.	Nov. 20	Necessary Expenses (Trachoma).....		10,000 00
No. 13.	Nov. 20	Necessary Expenses (Antitoxin).....		6,000 00
No. 14.	Dec. 4	Necessary Expenses, Vaccinators and Sanitary Police		5,000 00
No. 15.	Dec. 11	Special Revenue Bond, Louisiana Purchase Exposition		2,500 00
Total Revenue Bonds.....				\$230,600 00

Corporate Stock.

Department of Health Building Fund, Feb. 20.....	250,000 00
Department of Health Building Fund, June 5.....	500,000 00
Department of Health Building Fund, Oct. 8.....	34,000 00
	\$1,014,000 00

STATEMENT D.

Pension Fund, 1903.

Balance in bank, January 1, 1903, as per annual report of December 31, 1902	\$113,459 81
Receipts.	
Attorneys' costs	\$484 49
Fees for searches and transcripts of the records.....	14,651 80
Fines and penalties for violation of Sanitary Code.....	14,740 00
Interest on money in bank.....	4,280 97
	34,157 26
	\$147,617 07
Disbursements.	
Paid to pensioners.....	\$13,173 29
Refunds to Clerks of Courts for money erroneously transmitted to this Department.....	195 00
	13,368 29
Balance in bank drawing interest at 3½ per cent.....	\$134,248 78

Department of Health, City of New York,
Southwest Corner Fifty-fifth Street and Sixth Avenue,
Borough of Manhattan,
New York, December 31, 1903.

FREDERIC D. BELL, Esq., Chief Clerk, Department of Health, New York City:

Dear Sir—I have the honor to respectfully present the following report of the work performed pursuant to your orders and under my personal supervision and direction during the year ending December 31, 1903:

Reorganization of the Office of Assistant Chief Clerk.

Such duties as were formerly performed by the Clerk of Accounts and Supplies and the Assistant Chief Clerk, which included the purchase of supplies, the keeping of accounts and the supervision of the financial affairs of the Department, were at the direction of the President of the Board and Chairman of the Finance Committee assigned to the Chief Clerk, and the office of Assistant Chief Clerk was reorganized so as to include the general supervision of the following employees of the Department in addition to the duties described in the annual report for the year 1902:

1. Clerical force.
2. Stenographers and Typewriters.
3. Typewriting Copyists.
4. Telephone Switchboard Operators.
5. Engineers' Department.
6. Foreman of Laborers.
7. Watchmen.
8. Elevator Attendants.
9. Cleaners (male and female).

Many improvements have been effected in the routine work of the Department, and necessary repairs and alterations in the interior construction of the building and the arrangement of the offices of the various divisions were made to protect the valuable records and facilitate the prompt transaction of official business.

Official Reports, Communications and Applications.

Reports, communications and applications are presented to the Board through the Secretary for consideration and final action. They are numbered and filed numerically, and are indexed alphabetically under the subject-matter by means of the card system. The minutes of the Board and all applications for permits are indexed and filed in the same manner.

The following is a summary of the reports, communications and applications considered by the Board of Health:

Special reports and communications presented to the Board for action.....	627
Premises declared a public nuisance.....	180
Premises ordered vacated.....	80
Premises overcrowded.....	220
Miscellaneous permits granted by the Board.....	1,517
Lodging house permits granted.....	132
Cow permits granted.....	237
Mercantile permits granted.....	15
Applications for permits denied by the Board.....	2,074
Registration certificates issued to master plumbers.....	760

Notices of the Board.

During the year ending December 31, 1903, the number of notices issued by the Board was 14,022. These notices call the attention of owners, lessees and agents to violations of the Sanitary Code in each case, and require the necessary alteration, repairs, cleaning and improvement of the premises named within five days from the receipt of the notice. If, upon reinspection, it is found that the requirements of the notice have not been complied with a suit for penalty is commenced against the delinquents under sections 1172 and 1222, chapter 466, Laws of 1901.

The number of notices of the Board issued in the Borough of Manhattan was.. 14,022

The subject-matter of the notices of the Board referred to are as follows:

Alleys cleaned, disinfected, graded, paved, connected with sewer.
Air-shafts cleaned, disinfected, graded, paved, connected with sewer.
Apartments cleaned, disinfected or ventilated.
Areas connected with sewer, cleaned, disinfected, pavements of graded and repaired.
Balusters of stairs repaired.
Basements cleaned and disinfected.
Business of lard rendering, slaughtering, gut cleaning, fat rendering, storing bones, manufacturing fertilizers, smoking sausages or storing rags discontinued.
Buildings cleaned or inclosed.
Ceilings cleaned, whitewashed or repaired.
Cellars cleaned, made water-tight, cemented, connected with sewer, ceilings plastered, doors repaired.
Cellars vacated as places of living or sleeping.
Cesspools disinfected, emptied, cleaned, filled, constructed, repaired or covered.
Chimneys repaired, extended, cleaned or obstructions removed.
Cisterns disinfected, emptied, cleaned, covered or provided.
Clothes poles reset.
Coops cleaned, disinfected or removed.
Cows removed.
Dogs removed.
Drains cleaned, constructed, covered, repaired, removed, obstructions removed, or connected with sewer.
Excavations cleaned, repaired, relaid, graded or connected with sewer.
Fences repaired or constructed.
Fire escapes cleaned or obstructions removed.
Fixtures trapped and waste pipes therefrom connected on outlet side of water-closet traps.
Flashings provided over woodwork or sinks.
Floors cleaned, repaired, relaid, graded, cemented or connected with sewer.
Fowls removed.
Gas mains and pipes repaired and gas provided in dark halls and rooms.
Garbage and ash receptacles provided, removed, cleaned and disinfected.
Gutters (house or street) provided, repaired, cleaned, disinfected, obstructions removed, connected with street sewer, street gutter or cesspool.
Halls cleaned and filthy or defective floor coverings removed.
House drains provided with running traps and fresh air inlets.
Hydrants repaired, constructed or removed.
Ice-boxes connected with properly trapped, water-supplied open sinks.
Joints closed or calked with lead.
Leaders repaired, provided, extended, adjusted, connected with sewer, street, gutter or privy vault.
Lodging houses discontinued.
Lots (vacant) cleaned, disinfected, inclosed, filled, graded, connected with sewer or street gutters.
Manure vaults, boxes or receptacles disinfected, emptied, cleaned, covered, filled, constructed or lined.
Manholes covered and repaired or removed.
Offensive trades and business discontinued or removed.
Pigeons removed.
Pipe (soil, supply, vent, waste, sewer or iron) provided.
Pipe (soil, waste or supply) repaired, trapped, removed, extended, graded, cemented, ventilated or repaired, and openings closed and obstructions removed.
Privy vaults disinfected, emptied, cleaned, ventilated, lined with brick, repaired, cemented, constructed, filled or removed.
Privy houses cleaned, disinfected, repaired, constructed, removed, adjusted to vaults or seats, provided with cover.
Pumps provided or repaired.
Rabbits removed.
Railings provided or repaired.
Roofs repaired or cleaned and roof bulkheads repaired.
Roof tanks provided, cleaned or covered.
School sinks provided, cleaned or repaired.
Sewer pipes provided, repaired, obstructions in removed, trapped or openings inclosed.

Sinks provided, repaired, cleaned, removed, flushed, connected with street sewer or street gutters.

Sidewalks cleaned, repaired, graded, flagged or obstructions in removed.

Skylights repaired and provided.

Slaughter-houses cleaned, repaired or connected with sewer.

Smoke-pipes extended or repaired.

Soil-pipes discontinued as rain leaders.

Spaces cleaned, disinfected, graded, cemented, filled or connected with sewer.

Stables cleaned, removed, repaired or connected with street sewer.

Stagnant water removed.

Stairways cleaned or repaired.

Trees removed.

Urinals cleaned, disinfected, repaired, flushed, connected with sewer, removed or floor covered with zinc.

Walls cleaned, whitewashed or repaired.

Wash roofs repaired.

Wash trays trapped, provided.

Water-closets repaired, cleaned, disinfected, flushed, constructed, ventilated or connected with street sewer.

Water-closet pans adjusted to preserve water-seal, bowls burnt out and retarred, cisterns provided, window sashes repaired and glazed.

Yards cleaned, disinfected, filled, graded, paved, grade of pavements repaired, relaid in cement or connected with street sewer.

Transcripts.

Applicants for searches and transcripts of the records of births, marriages and deaths on file in the Bureau of Records are required to satisfy this Department that the information desired is to be used for a proper purpose, and are then granted, upon payment of the prescribed fee, a written order signed by the Assistant Chief Clerk and issued to the Assistant Registrar of Records, authorizing the search and issuance of a transcript of the record, which, in accordance with the regulation of the Board, is authenticated by affixing the seal of the Board of Health and attested by the signature of the Assistant Chief Clerk. Where search is made, and the record is not found to be on file, an official certificate is issued to that effect.

The following is a summary of fees received for searches and transcripts of the records of births, marriages and deaths in the Borough of Manhattan and deposited to the account of the

"Health Department Pension Fund"..... \$9,697 10

Clerical Force.

The clerical force have performed their duties in a satisfactory and efficient manner, reporting for duty each day at the usual hour of 9 A. M. and often exceeding the official office hours when necessary to complete the duties assigned to them. To insure their prompt attendance a time book is kept in this office in which each individual is required to sign their respective names and time of arrival and departure each day. This is a new feature, the result of which has been very satisfactory.

Stenographers and Typewriters.

Upon investigation it was learned that the work of the Stenographers and Typewriters employed by the Department, while performing their respective duties in a satisfactory manner, was unevenly distributed at certain seasons of the year, due to the usual increase and decrease of the business affairs of the various divisions to which they were assigned, and it was therefore decided to establish a separate bureau, consisting of ten Stenographers and Typewriters and two Typewriting Copyists, under the immediate direction of a Stenographer in charge and assigned to the office of the Assistant Chief Clerk. This new idea was merely tried as an experiment and has proved to be of great value, not only to the Department, but to each individual, as they have been thus enabled to obtain a practical and thorough knowledge of the detail work of the entire Department and are competent to assist in any branch of the service. In effecting this change the division to which they were formerly assigned has in no way been embarrassed, as the Stenographers are required to devote their services to the work of such division until the same has been completed for the day and are then required to assist in the general stenographic and typewriting work of the Department.

Telephone Switch Board Operators.

The telephonic business of the Department appears to be constantly on the increase, probably due to the fact that so many modern houses are equipped with telephones, the occupants of same finding it convenient and more satisfactory to communicate directly with the Department and it has been found necessary to establish two additional telephones in the Division of Contagious Diseases to enable the Telephone Operators on duty at night to properly attend to the business—thus making in all five direct wires for the use of the public and such employees as may be on duty on holidays and after 5 P. M. each day. The Department is also equipped with the police telephone system, with connections to Police Headquarters and all precinct station houses in The City of New York, thus insuring prompt service at all hours of the day or night. The Department telephones are exclusively for official business, and employees desiring to use the same for the transaction of private business affairs are required to pay to the Department the usual rates charged by the telephone company, an account of which is rendered each month.

Engineers' Department.

The force necessary to maintain this branch of the Department consists of one Engineer, one Fireman and two Stokers who have immediate charge of the boilers, steam plant, heating, electrical and fire apparatus of the building. When found necessary materials have been purchased and many repairs and additions have been made in the steam heating apparatus of the building and metal flashings have been provided where needed to conform to the regulations of the Fire Department. These repairs have been mostly made by our own employees, thus saving considerable expense to the City. Owing to the prevailing high price of coal, a considerable saving was effected by changing the grate bars of the boilers, enabling the use of cheaper fuel, and by so arranging the heating apparatus that the fires could be banked and the heat shut off from all parts of the building not in use after 6 P. M., with the exception of one room used by the Telephone Operators employed during the night.

Maintenance of Department Building.

The Foreman of Laborers in charge of the two Watchmen, two Elevator Attendants and Cleaners (six male and nine female) necessary to keep the premises in a proper and sanitary condition, reports that the work of his subordinates has been performed in a very satisfactory manner, and that, while the many alterations and additions to the building has necessarily increased the labor, the work has been performed by the regular force without additional expense to the Department.

Alterations to the Department Building.

The reconstruction of the interior of the building has been made in such a manner as to greatly facilitate the business of the Department, and the offices of the various divisions have been located so as to be most convenient to those cooperating with them in the transaction of the necessary routine work. Many great improvements have been established, making it more congenial to citizens visiting the Department on business, and enabling the clerical force to more promptly attend to matters requiring their services in dealing with the public.

For the information of persons having business with the Department, a large sign board has been erected at the main entrance, giving the exact location of the floor and room number of the different divisions of the Department; the rooms on each floor being provided with metal signs specifying the designation of the occupant and the number of the room. In addition, an individual directory containing the name of the Commissioner of Health and the name and designation of each official attached to the executive staff of the Department of Health is placed conveniently near the entrance.

Basement.

The basement was formerly used mostly for storage purposes, but has now been converted into a large, airy and commodious room for the accommodation of children applying for vaccination and those desiring certificates of employment. A separate entrance has been established on the Fifty-fifth street side of the building, thus relieving the usual crush at the main entrance during the busy season. On the westerly side of the building an isolation room has been established with a separate entrance directly to the street for the temporary care and confinement of persons calling at the office, afflicted with contagious diseases. On the south side of the building, occupy-

ing at least one half of the entire basement floor, a large swimming tank had been erected by the former owner of the building; this tank has been arched over and made into a fireproof vault in which are kept the valuable records of Births, Marriages and Deaths reported to this Department, with an elevator direct to the office of the Bureau of Records on the third floor. On the Fifty-fifth street side of the building an old vault has been made into a fire-proof room for the storage of disinfectants, with a separate entrance leading directly to the street.

First Floor.

The quarters assigned to the Division of Contagious Diseases were found to be inadequate and more space was furnished by assigning the Sanitary Division to the second floor, and shifting the Mercantile Division, the Burial Permit and Complaint Clerk's offices to the space vacated, the dwarf partitions were then removed about ten feet in width and the space formerly used by the Burial Permit office on the westerly side of the building included so as to afford ample room; additional toilet facilities for both men and women were established and rooms were provided for the vaccination of women and the treatment of persons afflicted with rabies. The Burial Permit office was assigned to one of the rooms vacated by the Chief Sanitary Inspector, and a window cut through the wall adjacent to the main entrance for the transaction of business during the night, this room also being used by the night Telephone Operators after 6 p. m. each day.

Second Floor.

This floor was formerly occupied by the Commissioners of Health, three in number, the room occupied by the President being used as the Board room; the Sanitary Division was assigned to the southerly portion of the building, and the Division of Bacteriology, the office of the Assistant Sanitary Superintendent and the office of the Order Clerk to the northerly side of same. This was accomplished after considerable remodeling to make the quarters suitable for the purpose.

Third Floor.

The rooms occupied by the Bureau of Records on the southerly side were rearranged, and all the steel cases containing the records of vital statistics were stored in the fireproof vault in the cellar. Space was provided for a representative of the Assistant Chief Clerk to collect the fees and issue the necessary orders for searches and transcripts, for the convenience of persons applying for same. The office of the Attorney and Counsel was installed in the room formerly used by the office of Accounts and Supplies on the northerly side, the balance of the space being arranged to accommodate the office of the Chief Clerk of the Department.

Fourth Floor.

The offices formerly occupied by the Secretary of the Department and the Attorney and Counsel on the northerly side were remodeled to accommodate the offices of the Commissioner of Health, the Private Secretary to the Commissioner and the office of the General Medical Officer, while the offices on the southerly side were assigned to the Sanitary Superintendent and the Assistant Chief Clerk, the library being extensively remodeled and newly furnished, to be used as the Board room and office of the Secretary to the Board. Additional rooms were provided and assigned to the Telephone Operators and Stenographers and Typewriters on the same floor.

Fifth Floor.

Additional space was furnished to the Chemical Laboratory by extending the flooring directly over the rooms occupied by the library, office of Secretary to the Commissioner and room occupied by the Stenographers and Typewriters. This was very readily accomplished, the ceilings of the rooms mentioned being of considerable height, the entire top floor having been formerly used as a gymnasium when occupied by the New York Athletic Club. With this additional space many improvements have been effected and the laboratory is now well equipped. In the Bacteriological Laboratory such additional facilities were provided as were necessary.

In presenting this report allow me to express my appreciation of the faithful and efficient service rendered by the Clerks, Stenographers and other employees attached to this office, and I desire to commend them for their interest in the work of the Department which has greatly assisted me in the management of this branch of the service.

Respectfully submitted,
JAMES McC. MILLER, Assistant Chief Clerk.

Department of Health, City of New York,
No. 1237 Franklin Avenue, Borough of The Bronx,
New York, August 15, 1905.

F. D. BELL, Esq., Chief Clerk, Department of Health, Sixth avenue and Fifty-fifth street, New York City:

Dear Sir—I have the honor to submit the following report in relation to the work of this office during the year 1903.

There were received 2,840 complaints from citizens covering sanitary matters and 244 complaints regarding contagious diseases.

Total number of Board Orders issued requiring abatement of nuisances, 2,482.

Number of complaints referred to the several City Departments for action, 707.

Number of Board Orders issued requiring vacation of premises on account of violations of the Sanitary Code, 22.

During the year 590 vials of diphtheria antitoxin were disposed of, representing a value of \$2,797.50; of this amount 567 vials, value \$2,736.25, was free antitoxin, and 23 vials, valued at \$61.25, less \$3.12 discount, were sold.

Receipts for searches and transcripts amounted to \$689.90.

791 applications for permits were made to the Board over the signature of the applicants for the following purposes, viz.:

To sell milk	269
To keep chickens	210
To keep cows	163
To keep goats	26
To dump ashes, street sweepings, etc.....	24
To keep fowl	16
Scavengers licenses	16
To board and care for children	15
To keep pigs	14
To keep and slaughter poultry.....	11
To dump snow and ice.....	5
To drive cows to and from pasture.....	5
To use basement as salesroom	4
To keep geese	4
To use a smoke house.....	3
To keep pigeons	2
To manufacture Pintsch gas.....	2
To keep ducks	1
To maintain an incinerating plant.....	1

Total..... 791

Respectfully submitted,
AMBROSE LEE, JR.,
Assistant Chief Clerk, Borough of The Bronx.

Department of Health—City of New York,
Nos. 38 and 40 Clinton Street, Borough of Brooklyn,
New York, October 29, 1904.

Mr. FREDERICK D. BELL, Chief Clerk, Department of Health:

Dear Sir—During the year ending December 31, 1903, the work in the office of the Assistant Chief Clerk showed a decided increase over previous years. After the citizens' complaints have been investigated by the Division Inspectors the orders are referred to this office, and all communications in reference to the same are sent out. All orders which are issued also pass through this office. The number of orders issued during the year was 5,394. Number of orders referred to counsel for prosecution was 2,924.

The total number of orders issued on the Assistant Registrar of Records for searches of marriages, births and deaths was 7,605, the fees for which amounted to \$3,970.80. This money was forwarded weekly to the main office in Manhattan to be added to the Pension Fund of the Department.

There was established in our building, Nos. 38 and 40 Clinton street, a station for the sale and distribution of vaccine virus and antitoxin manufactured by the Department, and in the subjoined report here shown in detail the amount of each article sold and given away.

Virus.	
Amount sold for cash.....	\$110 12
Amount given away.....	3,326 90
Antitoxin.	
Amount sold for cash.....	102 08
Amount given away.....	20,097 50
Tetanus.	
Amount sold for cash.....	.....
Amount given away.....	124 00
Mallein.	
Amount sold for cash.....	44 45
Amount given away.....	19 90
Tuberculin.	
Amount sold for cash.....	.....
Amount given away.....	5 00

Respectfully submitted,
ALFRED T. METCALFE, Assistant Chief Clerk.

Department of Health—City of New York,
No. 374 Fulton Street, Jamaica, Borough of Queens,
New York, August 29, 1904.

F. D. BELL, Esq., Chief Clerk:

Dear Sir—In compliance with your direction, at the request of the Secretary conveyed by yours of the 10th inst., I have the honor to forward herewith a report of the transactions of the office of Assistant Chief Clerk in the Borough of Queens for the year 1903, as follows:

The number of orders issued was.....	2,358
Vacation and nuisance orders issued by the Board and forwarded for service	32
Signed communications, including complaints, etc., acknowledged.....	642
Number of orders for transcripts issued.....	553
Amount of cash received for same and forwarded to the Chief Clerk....	\$284 50
Number of vials of antitoxin given away.....	354

—of which 62 were given to physicians for free use and 292 to Inspectors.

Number of vials of vaccine virus, 55 large vials, 72 small vials and 36 capillary tubes, used by Inspectors.

Number of references relating to unsanitary conditions forwarded to other Departments 395 |

—of which 158 were to the President of the Borough, 175 to the Tenement House Commission, 7 to the Police Department, 32 to Board of Education, 6 to the Department of Water Supply, 10 to the Fire Department, 7 to the Comptroller and 3 to the Society for the Prevention of Cruelty to Animals.

The working staff during the year consisted of one Assistant Chief Clerk, one Stenographer and Typewriter, one Senior Clerk and one Junior Clerk.

Respectfully submitted,
GEORGE R. CROWLY, Assistant Chief Clerk.

Department of Health, City of New York,
Nos. 54-56 Water Street, Stapleton, Borough of Richmond,
New York, September 16, 1904.

FREDERIC D. BELL, Esq., Chief Clerk, Department of Health, City of New York:

Dear Sir—Pursuant to your request I have the honor to respectfully forward you a report of the work performed in the office of the Assistant Chief Clerk in the Borough of Richmond.

As the duties of Assistant Chief Clerk in the different Boroughs have never been clearly defined, and as I have been instructed by you not to include in my report anything that might relate to the office of the Assistant Sanitary Superintendent, I find it somewhat of a difficult task to present a report of all the work performed by me.

The work which is under my personal supervision and direction includes the issuing of the necessary written orders upon the Assistant Registrar of Records, authorizing the same to make searches and furnish transcripts of the records of births, marriages and deaths on file in this Department in this borough, and attending to all of the correspondence in this office, to prepare all requisitions and audit the vouchers before they are forwarded to the office of the Chief Clerk. I am in full charge and responsible for the clerical force and the work performed by them in the Sanitary Bureau and Division of Contagious Diseases.

The Laboratory products are under my personal care and I am responsible for the proper distribution of the same. I might at this time say that I have seldom had a request for the sale of antitoxin. This can be explained, probably, by the fact that a supply station of this Department is located within two blocks of the offices, and which is open at hours when this Department is closed. I have, however, daily demands for free antitoxin from the local physicians and the various institutions, as the S. R. Smith Infirmary, Nursery and Child's Hospital, Mount Loretto and Sea Side Hospital.

The applications for searches and transcripts are steadily on the increase, year by year. In this connection I desire to say that we experience considerable difficulty in searching the old records of the various former Boards of Health, which records were turned over to this Department at the time of consolidation. There were nine different Boards of Health, and in none of these books are the records indexed, so that when an application for a search is made and the applicant does not know in which section of the borough the birth, marriage or death, whichever it may be, occurred, it necessitates a clerk searching through all these different books which requires considerable time. As the Assistant Registrar of Records is without any clerical force whatever, this work devolves either upon myself or one of the clerks under my charge, taking up valuable time and thus delaying the other routine business. If I may be permitted to do so, I would recommend that an effort be made to have these old records properly indexed. By the appointment of an additional clerk the work could be done within a year.

In presenting this recommendation, I desire it to be understood that I do not intend in any way to reflect upon the office of the Assistant Registrar of Records, which office is being conducted in a manner that is a credit to the administration, and without assistance he could not be expected to have these old records indexed as they should be to facilitate the work of searching.

I also take charge of the Court cases and am required to attend the Court on all days that we have cases for trial.

The clerks under my charge are William T. Fetherston, Clerk; Mortimer Denyse, Junior, Clerk, and Miss Adelaide L. McNamara, Stenographer.

In forwarding this report I desire to express my high appreciation of the faithful and efficient services of the above named employees for their devotion to their duties and their interest in the work of the Department.

Respectfully submitted,
CHAS. E. HOYER, Assistant Chief Clerk.

Office of the Assistant Corporation Counsel for the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond.

BOROUGH OF MANHATTAN.

Orders received from the Board of Health for prosecution.....	6,628
Notices of intention to commence action issued.....	6,628
Nuisances abated after issuance and service of notice.....	4,506
Civil actions commenced to recover penalties.....	1,681
Civil actions pending last year.....	78
Judgments recovered in Municipal Courts in favor of the Department of Health	66
Judgments vacated and set aside by order of the court.....	16

Civil actions discontinued upon request of the Board of Health.....	1,499
Civil actions now pending, December 31, 1903.....	210
Executions issued.....	8
Judgments collected.....	2
Amount of costs, penalties and judgments collected in civil actions, and paid to Secretary of Board.....	\$446 49
Criminal actions pending last year.....	12
Criminal actions commenced for violation of Sanitary Code.....	1,463
Defendants held for trial at Special Sessions.....	693
Defendants discharged by Magistrates.....	365
Defendants convicted by Magistrates.....	401
Judgments of conviction in Court of Special Sessions.....	611
Judgments of acquittal in Court of Special Sessions.....	52
Complaints withdrawn.....	29
Criminal actions now pending December 31, 1903.....	17
Amount of fines imposed by Court of Special Sessions upon conviction....	\$7,692 00
Amount of fines imposed by City Magistrates.....	\$709 00
Appeals—	
Pending last year.....	4
By the Department.....	7
By the defendant.....	2
Determined in favor of Department.....	5
Determined in favor of defendant.....	6
Now pending, December 31, 1903.....	2

BOROUGH OF BROOKLYN.

Orders received from the Board of Health for prosecution.....	2,890
Notices of intention to commence action issued.....	2,890
Nuisances abated after issuance and service of notice.....	2,114
Civil actions commenced to recover penalties.....	4
Judgments recovered in Municipal Courts in favor of the Department of Health.....	3
Civil actions now pending, December 31, 1903.....	2
Judgments collected.....	2
Amount of costs, penalties and judgments collected in civil actions and paid to Comptroller.....	\$109 00
Criminal actions pending last year.....	7
Criminal actions commenced for violation of Sanitary Code.....	726
Defendants held for trial at Special Sessions.....	669
Defendants discharged by Magistrates.....	52
Defendants convicted by Magistrates.....	11
Judgments of conviction in Court of Special Sessions.....	532
Judgments of acquittal in Court of Special Sessions.....	99
Criminal actions now pending, December 31, 1903.....	33
Amount of fines imposed by Court of Special Sessions upon conviction....	5,940
Appeals now pending, December 31, 1903.....	1

BOROUGH OF THE BRONX.

Orders received from the Board of Health for prosecution.....	1,197
Notices of intention to commence action issued.....	1,197
Nuisances abated after issuance and service of notice.....	657
Civil actions commenced to recover penalties.....	353
Civil actions pending last year.....	33
Judgments recovered in Municipal Courts in favor of the Department of Health.....	13
Judgments vacated and set aside by order of the Court.....	2
Civil actions discontinued upon request of the Board of Health.....	273
Civil actions now pending, December 31, 1903.....	102
Executions issued.....	4
Amount of costs, penalties and judgments collected in civil actions and paid to Secretary of Board.....	\$9 50
Criminal actions commenced for violation of Sanitary Code.....	101
Defendants held for trial at Special Sessions.....	67
Defendants discharged by Magistrates.....	13
Defendants convicted by Magistrates.....	10
Judgments of conviction in Court of Special Sessions.....	36
Judgments of acquittal in Court of Special Sessions.....	7
Complaints withdrawn.....	2
Criminal actions now pending, December 31, 1903.....	2
Amount of fines imposed by Court of Special Sessions upon conviction....	\$435 00
Amount of fines imposed by City Magistrates.....	\$15 00

BOROUGH OF QUEENS.

Orders received from the Board of Health for prosecution.....	851
Notices of intention to commence action issued.....	461
Nuisances abated after issuance and service of notice.....	230
Civil actions commenced to recover penalties.....	4
Civil actions discontinued upon request of the Board of Health.....	2
Civil actions now pending, December 31, 1903.....	2
Amount of costs, penalties and judgments collected in civil actions and paid to Secretary of Board.....	\$27 00
Criminal actions pending last year.....	1
Criminal actions commenced for violation of Sanitary Code.....	59
Defendants held for trial at Special Sessions.....	55
Defendants discharged by Magistrates.....	5
Judgments of conviction in Court of Special Sessions.....	43
Judgments of acquittal in Court of Special Sessions.....	10
Amount of fines imposed by Court of Special Sessions upon conviction....	\$557 00

BOROUGH OF RICHMOND.

Orders received from the Board of Health for prosecution.....	651
Notices of intention to commence action issued.....	651
Nuisances abated after issuance and service of notice.....	210
Civil actions commenced to recover penalties.....	266
Civil actions pending last year.....	16
Judgments recovered in Municipal Courts in favor of the Department of Health.....	29
Judgments vacated and set aside by order of the Court.....	4
Civil actions discontinued upon request of the Board of Health.....	171
Civil actions now pending, December 31, 1903.....	86
Amount of costs, penalties and judgments collected in civil actions and paid to Secretary of Board.....	\$9 50
Criminal actions commenced for violation of Sanitary Code.....	16
Defendants held for trial at Special Sessions.....	9
Defendants discharged by Magistrates.....	2
Defendants convicted by Magistrates.....	5
Judgments of conviction in Court of Special Sessions.....	5
Judgments of acquittal in Court of Special Sessions.....	2
Criminal actions now pending, December 31, 1903.....	2
Amount of fines imposed by Court of Special Sessions upon conviction....	\$10 00
Amount of fines imposed by City Magistrates.....	\$23 00

Complaints received of violations on Croton watershed.....	133
Notices of intention to commence action issued.....	133
Violations removed after issuance of notice.....	26

SANITARY BUREAU.

Department of Health—City of New York, }
Office of the Sanitary Superintendent, }

To the Honorable Board of Health:

Sirs—I have the honor to submit the report of the work performed in the Sanitary Bureau during the year 1903.

The following is a summary of the operations of the Sanitary Bureau, which is charged with the duty of inspecting and reporting, in proper form, all nuisances or

causes of danger to the public health; with the execution of the orders of the Board; with the care of contagious diseases; with the inspection of foods and offensive trades; with the inspection of mercantile establishments and issuance of employment certificates; with the pathological, bacteriological and chemical research and investigations, and with the inspection of scholars attending the public, parochial and private schools:

The number of inspections and reinspections made was 1,374,886, classified as follows:

By the Division of Inspection.....	902,674
By the Division of Contagious Diseases.....	434,101
By the Division of Bacteriology.....	30,963
By the Division of Chemistry.....	7,148

Total..... 1,374,886

The number of complaints returned was 34,740, classified as follows:

By the Division of Inspection.....	32,875
By the Division of Contagious Diseases.....	435
By the Division of Bacteriology.....	1,430

Total..... 34,740

The number of complaints received from citizens was 30,392, all of which were referred to the Sanitary Inspectors and Sanitary Police for investigation and report.

The Sanitary Superintendent during the same period, under instructions and authority of the Board, granted 4,132 permits to discharge cargoes, under proper vouchers from the Health Officer of the Port, and 12,427 miscellaneous permits under the Sanitary Code.

The following tabulated statement and summary shows the date, location of premises, cause of action, and the result of vacation of premises by the Board of Health, in compliance with the requirements of sections 1176 and 1299 of the New York City Consolidation Act of 1901.

BOROUGH OF MANHATTAN.

No.	Date.	Location.	Cause and Result.
1	Jan. 30	No. 125 West One Hundred and Twenty-seventh street....	Defective plumbing and defective drainage. Complied, March 2.
2	Feb. 4	No. 238 West Thirty-seventh street.....	Defective plumbing and defective drainage. Complied, November 23.
3	Feb. 25	No. 252 East Fifty-third street.....	Defective drainage. Complied, March 24.
4	Mar. 4	No. 263 West Seventeenth street.....	Defective drainage. Complied, March 11.
5	Mar. 4	No. 29 West One Hundred and Thirtieth street.....	Defective plumbing and defective drainage. Complied, March 25.
6	Mar. 11	No. 1 Front street...	Public nuisance. Complied, October 29.
7	Mar. 11	No. 3 Front street...	Public nuisance. Complied, October 29.
8	Mar. 18	No. 247 East Fifty-sixth street.....	Public nuisance. Complied, April 25.
9	Mar. 18	No. 343 East Forty-sixth street.....	Public nuisance. Complied, March 25.
10	Apr. 23	No. 353 East Thirty-fourth street.....	Public nuisance. Complied, November 21.
11	May 6	No. 42 Duane street..	Sickness. Complied, July 1.
12	May 6	No. 2170 Broadway...	Defective drainage. Complied, September 26.
13	May 6	No. 2172 Broadway...	Defective drainage. Complied, September 26.
14	May 6	No. 2174 Broadway...	Defective drainage. Complied, September 26.
15	May 6	No. 2176 Broadway...	Defective drainage. Complied, September 26.
16	May 6	No. 2178 Broadway...	Defective drainage. Complied, September 26.
17	May 20	No. 24 Stone street..	Public nuisance. Complied, September 22.
18	May 20	No. 26 Stone street..	Public nuisance. Complied, September 22.
19	May 20	No. 59 Pearl street...	Public nuisance. Complied, September 22.
20	June 10	Southeast angle of Seaman avenue with Hawthorne avenue, Inwood.....	Public nuisance. Complied, November 24.
21	July 15	No. 613 West Forty-ninth street.....	Public nuisance. Complied, November 25.
22	July 22	No. 9 Hester street..	Defective plumbing. Complied, September 22.
23	July 22	No. 11 Hester street..	Defective plumbing. Complied, September 22.
24	July 22	No. 628 West One Hundred and Thirtieth street.....	Defective plumbing. Complied, September 17.
25	July 29	No. 9 Ludlow street..	Public nuisance. Complied, December 18.
26	July 29	No. 11 Ludlow street.	Public nuisance. Complied, December 18.
27	Aug. 5	No. 135½ Allen street.	Public nuisance. Complied, September 16.
28	Aug. 12	No. 16 Morton street	Public nuisance. Complied, August 16.
29	Aug. 12	No. 16 Morton street.	Defective plumbing and defective drainage. Complied, August 16.
30	Aug. 12	South side One Hundred and Forty-seventh street, 100 feet east of Eighth avenue, and extending 25 feet east.....	Public nuisance. Complied, November 5.
31	Sept. 2	No. 30 Henry street.	Public nuisance. Complied, December 30.
32	Sept. 16	Nos. 210-228 West Ninety-ninth street..	Public nuisance. Complied, November 10.
33	Sept. 23	No. 511 West Fourteenth street.....	Public nuisance. Vacated, October 28. Work progressing.
34	Sept. 23	No. 535 West Fourteenth street.....	Public nuisance. Vacated, October 28. Work progressing.
35	Sept. 23	No. 541 West Fourteenth street (front and rear).....	Public nuisance. Vacated, October 28. Work progressing.
36	Oct. 8	No. 825 Third avenue.	Defective plumbing. Complied, November 11.
37	Oct. 8	No. 177 Monroe street.	Public nuisance. Complied, November 10.
38	Oct. 8	No. 323 Fifth street..	Public nuisance. Complied, November 4.
39	Oct. 8	No. 13 Mangin street.	Public nuisance. Vacated, October 28. Work progressing.
40	Oct. 15	No. 555 West Broadway.....	Defective drainage. Complied, October 31.
41	Oct. 15	No. 173 East Broadway, rear.....	Defective plumbing and defective drainage. Complied, November 13.
42	Oct. 21	No. 329 East Eighty-fourth street.....	Defective plumbing and defective drainage. Vacated, December 11. Work progressing.
43	Oct. 21	No. 423 East Ninetieth street.....	Public nuisance. Complied, December 29.
44	Oct. 21	No. 425 East Ninetieth street.....	Public nuisance. Complied, December 29.
45	Oct. 28	No. 6 East Thirty-first street.....	Public nuisance. Complied, November 30.
46	Oct. 28	No. 8 East Thirty-first street.....	Public nuisance. Complied, November 30.
47	Oct. 28	No. 10 East Thirty-first street.....	Public nuisance. Complied, November 30.
48	Nov. 4	No. 653 First avenue.	Public nuisance. Complied, December 2.
49	Nov. 4	No. 25 Bond street...	Public nuisance. Complied, December 2.

No.	Date.	Location.	Cause and Result.
50	Nov. 4	No. 504 West Twenty-ninth street.....	Public nuisance. Work progressing.
51	Nov. 4	No. 152 West street..	Defective plumbing and defective drainage. Complied, November 11.
52	Nov. 4	No. 6 Prince street...	Defective plumbing and defective drainage. Complied, November 20.
53	Nov. 4	No. 186 Bowery.....	Defective plumbing and defective drainage. Complied, November 15.
54	Nov. 4	No. 415 East Twenty-fourth street.....	Public nuisance. Complied, December 8.
55	Nov. 4	No. 252 East Fifty-third street.....	Defective plumbing and defective drainage. Work progressing.
56	Nov. 4	No. 1499 First avenue.	Public nuisance. Work progressing.
57	Nov. 18	No. 80 Park row....	Defective plumbing and defective drainage. Complied, December 29.
58	Nov. 18	No. 80 Park row....	Defective plumbing and defective drainage. Complied, December 29.
59	Nov. 18	No. 106 Norfolk street	Defective plumbing and defective drainage. Work progressing.
60	Nov. 18	No. 16 Morton street.	Public nuisance. Complied, December 31.
61	Nov. 18	No. 225 East Twenty-eighth street.....	Defective plumbing and water supply. Vacated, December 30. Work progressing.
62	Nov. 24	No. 20 Catharine street	Defective plumbing. Vacated, December 30. Work progressing.
63	Nov. 24	No. 212 East Eighty-sixth street (front).	Defective plumbing and defective drainage. Work progressing.
64	Nov. 24	No. 214 East Eighty-sixth street (front).	Defective plumbing and defective drainage. Work progressing.
65	Nov. 24	No. 216 East Eighty-sixth street (front).	Defective plumbing and defective drainage. Work progressing.
66	Nov. 24	No. 212 East Eighty-sixth street (rear)..	Public nuisance. Work progressing.
67	Nov. 24	No. 214 East Eighty-sixth street (rear)..	Public nuisance. Work progressing.
68	Nov. 24	No. 216 East Eighty-sixth street (rear)..	Public nuisance. Work progressing.
69	Dec. 10	Nos. 65 and 67 Suffolk street	Public nuisance. Work progressing.
70	Dec. 10	No. 341 West Fiftieth street	Defective plumbing and defective drainage. Work progressing.
71	Dec. 16	No. 9 Grand Circle...	Defective drainage. Complied, December 22.
72	Dec. 16	Nos. 423 and 425 East Ninetieth street....	Public nuisance. Work progressing.
73	Dec. 16	No. 1926 First avenue.	Public nuisance. Work progressing.
74	Dec. 16	No. 1928 First avenue.	Public nuisance. Work progressing.

BOROUGH OF BROOKLYN.

No.	Date.	Premises.	Cause and Result.
1	Jan. 14	No. 343 Columbia street	Public nuisance. Vacated, January 30. Work progressing.
2	Jan. 14	No. 345 Columbia street	Public nuisance. Vacated, January 30. Work progressing.
3	Jan. 14	No. 347 Columbia street	Public nuisance. Vacated, January 30. Work progressing.
4	Jan. 14	No. 349 Columbia street	Public nuisance. Vacated, January 30. Work progressing.
5	Jan. 14	No. 351 Columbia street	Public nuisance. Vacated, January 30. Work progressing.
6	Jan. 30	No. 450 Decatur street	Defective plumbing. Vacated, December 12. Work progressing.
7	Jan. 30	No. 257 Pacific street.	Public nuisance. Complied, May 14.
8	Feb. 4	No. 610 Myrtle avenue	Defective plumbing and defective drainage. Complied, April 30.
9	Feb. 11	No. 35 Union street..	Public nuisance. Work progressing.
10	Mar. 25	No. 464A Sixteenth street	Defective drainage. Complied May 12.
11	Mar. 25	No. 470 Sixteenth street	Defective drainage. Complied May 12.
12	Mar. 25	No. 50 Locust street.	Public nuisance. Complied, April 28.
13	Mar. 25	No. 674 Washington avenue	Defective plumbing and defective drainage. Complied, May 23.
14	Mar. 25	No. 468 Sixteenth street	Defective drainage. Complied, March 30.
15	Mar. 25	No. 464 Sixteenth street	Defective drainage. Complied May 12.
16	Apr. 17	Head of Stair street.	Public nuisance. Vacated August 6. Work progressing.
17	Apr. 17	Jamaica avenue, near Ashford street....	Public nuisance. Vacated, August 6. Work progressing.
18	Apr. 17	No. 245 Livonia avenue	Public nuisance. Work progressing.
19	Apr. 29	No. 415 Leonard street	Public nuisance. Work progressing.
20	Apr. 29	No. 417 Leonard street	Public nuisance. Work progressing.
21	May 13	No. 17 Luquer street	Defective drainage. Vacated June 11. Work progressing.
22	May 13	Osborn, near Newport avenue	Public nuisance. Work progressing.
23	May 13	Osborn, near Newport avenue	Public nuisance. Work progressing.
24	May 13	Osborn, near Newport avenue	Public nuisance. Work progressing.
25	May 13	No. 113 Troutman street	Defective drainage. Vacated, September 23. Work progressing.
26	May 20	No. 345 Snediker avenue	Defective drainage. Complied, August 20.
27	May 20	No. 347 Snediker avenue	Defective drainage. Complied, August 20.
28	July 15	Coney Island and Brooklyn Railroad Company	Public nuisance. Work progressing.
29	July 15	Coney Island and Brooklyn Railroad Company	Public nuisance. Work progressing.
30	July 15	Dumont avenue and Christopher street..	Public nuisance. Complied, November 17.
31	July 15	Clarkson street, near Hunterfly road.....	Public nuisance. Vacated, November 30. Work progressing.
32	July 15	No. 98 Railroad avenue	Public nuisance. Complied, October 10.
33	July 15	Halleck street, near Columbia street....	Public nuisance. Work progressing.
34	July 15	Ridgewood and Norwood avenues.....	Public nuisance. Work progressing.
35	July 15	No. 275 Maujer street	Public nuisance. Vacated, December 30. Work progressing.
36	July 15	No. 564 Sackett street	Public nuisance. Work progressing.
37	July 15	Blake and Snediker avenues	Public nuisance. Work progressing.
38	July 15	No. 138 Sheffield street	Public nuisance. Work progressing.
39	July 15	Forty-second street and Eighth avenue.	Public nuisance. Work progressing.
40	July 15	Cleveland street and South Worthman...	Public nuisance. Work progressing.
41	July 15	No. 134 Bayard street	Public nuisance. Vacated, November 19. Work progressing.
42	July 29	Forty-ninth street, between Eighth and Ninth avenues.....	Public nuisance. Complied, November 27.

No.	Date.	Premises.	Cause and Result.
43	July 29	No. 351 Christopher street	Public nuisance. Work progressing.
44	July 29	Thirty-ninth street and Fourteenth avenue	Public nuisance. Vacated, October 16. Work progressing.
45	July 29	Church avenue and Bristol street.....	Public nuisance. Work progressing.
46	July 29	Rockaway avenue and Nolan's lane.....	Public nuisance. Vacated, December 30. Work progressing.
47	Aug. 28	No. 2045 Pitkin avenue	Public nuisance. Vacated, December 30. Work progressing.
48	Aug. 28	No. 2047 Pitkin avenue	Public nuisance. Vacated, December 30. Work progressing.
49	Aug. 28	No. 2049 Pitkin avenue	Public nuisance. Vacated, December 30. Work progressing.
50	Aug. 28	No. 2051 Pitkin avenue	Public nuisance. Vacated, December 30. Work progressing.
51	Aug. 28	No. 37 Benton street.	Public nuisance. Work progressing.
52	Aug. 28	Nos. 1181 and 1183 Degraw street....	Public nuisance. Work progressing.
53	Sept. 2	Eleventh avenue and Fifteenth street....	Defective drainage. Complied, November 24.
54	Sept. 2	No. 8797 Bay Thirty-third street.....	Defective drainage. Vacated, October 7. Work progressing.
55	Sept. 2	No. 101 Thirty-eighth street	Defective drainage. Complied, November 27.
56	Sept. 9	No. 482 Belmont avenue	Defective drainage. Vacated, September 30. Work progressing.
57	Sept. 30	Prospect street, near Grand street.....	Public nuisance. Work progressing.
58	Sept. 30	Rockaway and Riverdale avenues.....	Public nuisance. Work progressing.
59	Oct. 28	No. 310 Watkins street	Public nuisance. Work progressing.
60	Oct. 28	East New York and Buffalo avenues....	Public nuisance. Vacated, December 30. Work progressing.
61	Nov. 24	Northeast and northwest corners of Pitkin and Williams avenues	Public nuisance. Work progressing.
62	Dec. 2	Union street, near Franklin avenue....	Public nuisance. Work progressing.
63	Dec. 2	Lincoln avenue and Glen street.....	Public nuisance. Work progressing.
64	Dec. 2	Fort Hamilton and Chester avenues....	Public nuisance. Work progressing.
65	Dec. 23	Hobby's Park, West Fifth street, Coney Island	Public nuisance. Work progressing.
66	Dec. 23	No. 204 Seigel street.	Public nuisance. Work progressing.
67	Dec. 23	No. 956 Jefferson avenue	Defective plumbing and defective drainage. Work progressing.
68	Dec. 30	No. 127 Bedford avenue	Public nuisance. Work progressing.
69	Dec. 30	No. 129 Bedford avenue	Public nuisance. Work progressing.
70	Dec. 30	No. 131 Bedford avenue	Public nuisance. Work progressing.
71	Dec. 30	No. 133 Bedford avenue	Public nuisance. Work progressing.
72	Dec. 30	No. 417 Liberty avenue	Defective plumbing and defective drainage. Work progressing.

BOROUGH OF THE BRONX.

No.	Date.	Premises.	Cause and Result.
1	Apr. 17	No. 673 East One Hundred and Forty-fifth street.....	Defective plumbing and defective drainage. Complied, November 12.
2	May 27	No. 2052 Prospect avenue	Defective drainage. Complied, June 26.
3	June 10	Washington avenue, between West Farms road and Westchester avenue.....	Public nuisance. Complied, October 16.
4	July 7	No. 686 East One Hundred and Forty-sixth street.....	Public nuisance. Complied, November 12.
5	July 7	West side Forest avenue, 4 houses west of West Farms road, Westchester	Defective drainage. Complied, November 12.
6	July 22	West side Bronx terrace, 1 house south of Tenth street, Williamsbridge	Defective plumbing and defective drainage. Complied, October 7.
7	Aug. 12	East side Washington avenue, 1 house north of One Hundred and Eighty-ninth street.....	Defective plumbing and defective drainage. Complied, November 21.
8	Aug. 19	No. 143 Pleasant avenue, Williamsbridge	Defective plumbing and defective drainage. Work progressing.
9	Aug. 19	West side Southern Boulevard, 1 house north of One Hundred and Eighty-third street.....	Defective plumbing and defective drainage. Complied, November 13.
10	Aug. 19	Westchester avenue and Boston road, Williamsbridge	Public nuisance. Complied, September 22.
11	Sept. 23	No. 1507 Bryant street	Defective drainage. Complied, December 29.
12	Oct. 8	East side Amethyst street, 2 houses north of Morris Park avenue, Van Nest	Defective drainage. Complied, October 14.
13	Oct. 8	East side Amethyst street, 1 house north of Morris Park avenue, Van Nest.....	Defective drainage. Complied, October 14.
14	Oct. 8	East side Amethyst street, 3 houses north of Morris Park avenue, Van Nest	Defective drainage. Complied, October 14.
15	Oct. 8	East side Amethyst street, 4 houses north of Morris Park avenue, Van Nest	Defective drainage. Complied, October 14.
16	Oct. 8	No. 2466 Arthur avenue	Defective plumbing and defective drainage. Complied, December 3.
17	Oct. 8	No. 2468 Arthur avenue	Defective plumbing and defective drainage. Complied, December 3.
18	Oct. 15	No. 1212 Bryant street	Defective drainage. Work progressing.
19	Oct. 21	No. 2480 Hoffman street	Defective drainage. Vacated, November 16. Work progressing.
20	Oct. 21	No. 2430 Hoffman street	Defective drainage. Vacated November 16. Work progressing.

No.	Date.	Premises.	Cause and Result.
21	Nov. 18	West side St. George Crescent, 2 houses south of Van Cortlandt avenue.....	Public nuisance. Work progressing.
22	Nov. 24	North side Summit place, 3 houses west of Boston avenue, Kingsbridge	Defective drainage. Complied, December 1.

BOROUGH OF QUEENS.

No.	Date.	Premises.	Cause and Result.
1	Jan. 14	Sixth street and Snediker avenue, Union Course	Public nuisance. Complied, March 5.
2	Jan. 14	Old South road, Aqueduct	Public nuisance. Complied, June 26.
3	Jan. 14	Fresh Pond road, near Metropolitan avenue, northeast of railroad	Public nuisance. Complied, September 11.
4	Jan. 14	Adriatic street, near Collins avenue, East Williamsburg	Public nuisance. Complied, June 25.
5	Jan. 14	Metropolitan avenue, near Bushwick Junction, East Williamsburg	Public nuisance. Complied, August 27.
6	Jan. 14	Trotting Course lane, Maspeth	Public nuisance. Complied, September 10.
7	Jan. 14	Clinton avenue, near Maiden lane, Maspeth	Public nuisance. Complied, June 11.
8	Jan. 14	No. 13 Old Flushing road, Maspeth	Public nuisance. Complied, November 9.
9	Jan. 14	Cedar lane, South Woodhaven, Maspeth	Public nuisance. Complied, October 30.
10	Jan. 21	Mount Olivet avenue, opposite Collins avenue, East Williamsburg	Public nuisance. Complied, June 25.
11	Jan. 21	Near Maspeth and Betts avenue, Maspeth	Public nuisance. Complied, October 27.
12	Jan. 21	Near Maspeth and Betts avenue, Maspeth	Public nuisance. Work progressing.
13	Jan. 30	Fosdick avenue, Glendale	Public nuisance. Complied, September 9.
14	Jan. 30	North Hempstead plank road, near Maiden lane, Maspeth	Public nuisance. Complied, September 24.
15	Jan. 30	Thompson avenue, between Fiske and Madison avenues, Winfield	Public nuisance. Complied, November 9.
16	Jan. 30	Monroe street, between Columbia avenue and railroad, Winfield	Public nuisance. Complied, April 20.
17	Jan. 30	Lafayette avenue, near railroad tracks, Glendale	Public nuisance. Complied, June 25.
18	Jan. 30	Lafayette avenue, Glendale	Public nuisance. Complied, June 26.
19	Jan. 30	Newtown avenue, near Debevoise avenue, Laurel Hill	Public nuisance. Complied September 30.
20	Jan. 30	Newtown avenue, near Debevoise avenue, Laurel Hill	Public nuisance. Complied, April 14.
21	Jan. 30	Howell avenue and Second street, Woodside	Public nuisance. Complied, March 5.
22	Mar. 18	Fresh Pond road, near Metropolitan avenue, north of railroad	Public nuisance. Complied, September 11.
23	Mar. 18	Old South road, Aqueduct	Public nuisance. Work progressing.
24	Mar. 18	Flushing avenue, near Woodward street, Metropolitan	Public nuisance. Complied, October 9.
25	Mar. 18	No. 1441 Metropolitan avenue	Public nuisance. Complied, November 14.
26	Mar. 18	Metropolitan avenue, near Flushing avenue, Metropolitan	Public nuisance. Work progressing.
27	Mar. 18	Metropolitan avenue, near Newtown creek, Metropolitan	Public nuisance. Complied, June 26.
28	Mar. 25	Harmon avenue, Myrtle and Cooper avenues, Evergreen	Public nuisance. Complied, November 11.
29	Mar. 25	Corner Park place and Pleasant avenue, Long Island City	Public nuisance. Complied, May 26.
30	Mar. 25	Corner Van Alst avenue and Cedar lane, Long Island City	Public nuisance. Complied, May 13.
31	Mar. 25	Seventy-fifth Precinct Station - house, Fourth street and Vernon avenue	Defective plumbing and defective drainage. Complied, May 26.
32	Apr. 17	Dry Harbor road, Middle Village	Public nuisance. Complied, June 26.
33	Apr. 17	Mount Olivet avenue, opposite Collins avenue, Metropolitan	Public nuisance. Complied, May 26.
34	Apr. 23	Pine street and Collins place, Flushing	Defective plumbing and defective drainage. Complied, May 27.
35	Apr. 29	Morris avenue, near Cumberland street, Jamaica	Public nuisance. Complied, May 26.
36	Apr. 29	Review avenue and Pearl street, Blissville	Public nuisance. Complied, September 10.
37	Apr. 29	Sixth avenue, between Nineteenth and Twentieth streets, Whitestone	Public nuisance. Complied, October 20.
38	Apr. 29	No. 438 Van Buren avenue, near Middleburg, L. I. C.	Public nuisance. Complied, June 24.
39	Apr. 29	No. 25 Park place, Evergreen	Public nuisance. Work progressing.
40	Apr. 29	Washington street, near Cooper avenue, Evergreen	Public nuisance. Complied, October 20.
41	Apr. 29	Whitestone avenue, near Bayside avenue, Flushing	Public nuisance. Complied, May 26.
42	Apr. 29	Corner Whitestone avenue and Bayside avenue, Flushing	Public nuisance. Complied, May 27.
43	May 6	Hull avenue, between Clermont and Willow avenue, Maspeth	Public nuisance. Complied, June 26.
44	May 6	No. 935 Crescent street, L. I. C.	Public nuisance. Complied, August 12.
45	May 6	No. 168 Sixteenth avenue, L. I. C.	Public nuisance. Complied, May 26.
46	May 6	No. 570 Jackson avenue, L. I. C.	Public nuisance. Complied, June 26.
47	May 6	School street, near Skillman avenue, L. I. C.	Public nuisance. Work progressing.

No.	Date.	Premises.	Cause and Result.
48	May 6	Flushing avenue, near Old Flushing road, Maspeth	Public nuisance. Complied, October 8.
49	May 6	Calamus road, near Fisk avenue, Winfield	Public nuisance. Complied, June 26.
50	May 20	No. 1445 Metropolitan avenue, Metropolitan	Public nuisance. Complied, September 24.
51	May 20	Old Flushing road, between Grand street and Flushing avenue, Metropolitan	Public nuisance. Complied, October 12.
52	May 20	Corner Newtown and Debevoise avenues, Laurel Hill	Public nuisance. Work progressing.
53	May 20	Johnson avenue, Maspeth	Public nuisance. Complied, September 29.
54	June 3	Kneer avenue, Rockaway Beach	Public nuisance. Work progressing.
55	June 10	Enfield street and Fulton avenue, Union Course	Public nuisance. Complied, October 28.
56	June 17	Corner Drew avenue and Rockaway road, Union Course	Public nuisance. Complied, October 8.
57	June 17	Corner Drew avenue and Rockaway road, Union Course	Public nuisance. Complied, October 8.
58	June 17	Corner Drew avenue and Rockaway road, Union Course	Public nuisance. Complied, October 8.
59	June 17	Evergreen street and Shell road, Crotona	Public nuisance. Work progressing.
60	June 17	Blackstump road, north of Hillside avenue, Jamaica	Public nuisance. Complied, September 13.
61	June 24	Smith street, near Myrtle avenue, Corona Heights	Public nuisance. Complied, October 15.
62	June 24	Smith street, near Myrtle avenue, Corona Heights	Public nuisance. Complied, October 15.
63	June 24	Jamaica avenue, opposite Benedict avenue, Woodhaven	Public nuisance. Complied, September 12.
64	June 24	Western avenue, near Johnson avenue, Maspeth	Public nuisance. Work progressing.
65	June 24	Jay avenue, Maspeth	Public nuisance. Complied, October 8.
66	June 24	Cooper avenue, near Harmon avenue, Evergreen	Public nuisance. Complied, November 10.
67	June 24	No. 86 Marion street, L. I. C.	Public nuisance. Work progressing.
68	June 24	Flushing avenue, corner Woodward avenue, East Williamsburg	Public nuisance. Complied, August 12.
69	June 24	Lott's lane, Jamaica ..	Public nuisance. Work progressing.
70	July 1	East side Dodge avenue, Rockaway Beach	Public nuisance. Complied, August 10.
71	July 7	No. 229 Debevoise avenue, L. I. C.	Defective drainage. Complied, October 19.
72	July 7	Court street, Newtown	Public nuisance. Work progressing.
73	July 7	No. 37 Willow avenue, L. I. City	Defective drainage. Work progressing.
74	July 7	No. 37 Willow avenue (rear), L. I. City ..	Defective drainage. Work progressing.
75	July 7	Twelfth street, between Fourth and Fifth avenues, College Point	Public nuisance. Complied, August 10.
76	July 15	Flushing avenue, near Woodward avenue, Metropolitan	Public nuisance. Work progressing.
77	July 15	West side Seventeenth street, near Seventh avenue, College Point	Defective drainage. Complied, October 3.
78	July 29	Main avenue, Douglaston	Defective drainage. Complied, August 10.
79	July 29	Sixth street, near Broad street, Maspeth	Defective plumbing and defective drainage. Complied, December 8.
80	July 29	South road, Aqueduct	Public nuisance. Complied, September 22.
81	July 29	Walling street, near Woodhaven avenue, Glendale	Public nuisance. Complied, August 26.
82	Aug. 28	Water street, near Ferry street, Woodhaven	Public nuisance. Complied, October 8.
83	Aug. 28	Corner Covert avenue and Stanhope street, Ridgewood	Public nuisance. Complied, September 30.
84	Aug. 28	Central and Norton avenues, Far Rockaway	Defective drainage. Work progressing.
85	Aug. 28	7th house from Seventh avenue and north side Eighteenth street, Whitestone ..	Defective plumbing and defective drainage. Complied, October 19.
86	Aug. 28	Alley road, near Broadway, Douglaston	Public nuisance. Work progressing.
87	Aug. 28	Shoeleather street, near Broadway, Woodhaven	Public nuisance. Complied, October 28.
88	Aug. 28	No. 297 Grafton avenue, Woodhaven	Public nuisance. Complied, October 29.
89	Aug. 28	Woodhaven avenue, near Liberty avenue, Woodhaven	Public nuisance. Complied, November 10.
90	Aug. 28	No. 211 Water street, Woodhaven	Public nuisance. Complied, October 29.
91	Aug. 28	No. 193 Water street, Woodhaven	Public nuisance. Complied, October 8.
92	Aug. 28	Nos. 70 and 72 Union street, Flushing	Public nuisance. Work progressing.
93	Aug. 28	Amerman avenue, north of Boulevard, Rockaway Beach	Public nuisance. Complied, September 16.
94	Aug. 28	Covert avenue and Harmon street, Ridgewood	Public nuisance. Complied, November 9.
95	Aug. 28	Columbia avenue, Maspeth	Public nuisance. Complied, October 20.
96	Sept. 2	Pipe line, near City line, Aqueduct	Public nuisance. Complied, November 11.
97	Sept. 2	South road, Aqueduct ..	Public nuisance. Complied, October 19.
98	Sept. 9	Farmer avenue, near Merrick road, Springfield	Public nuisance. Complied, November 10.
99	Sept. 9	Farmer avenue, near South street, Hollis ..	Public nuisance. Work progressing.
100	Sept. 9	South Enfield street, near Atlantic avenue, Union Course ..	Public nuisance. Complied, October 5.
101	Sept. 9	Beaver street, Division avenue and Rockaway road, Jamaica	Public nuisance. Complied, December 30.
102	Sept. 9	Corner Dean and South streets, Jamaica	Public nuisance. Complied, October 13.
103	Sept. 16	Nos. 71 and 72 Milton street, Metropolitan ..	Public nuisance. Work progressing.
104	Sept. 16	Webster avenue, Glendale	Public nuisance. Complied, October 19.
105	Sept. 16	Barnum avenue, near Metropolitan, Middle Village	Public nuisance. Work progressing.

No.	Date.	Premises.	Cause and Result.
106	Sept. 16	Hoffman Boulevard, near Union turnpike, Newtown.....	Public nuisance. Work progressing.
107	Sept. 23	Corner Merrick road and Springfield, Springfield.....	Defective drainage and public nuisance. Work progressing.
108	Sept. 23	Fresh Pond road, near Myrtle avenue, Evergreen.....	Public nuisance. Work progressing.
109	Sept. 23	Lake street, near Central avenue, Corona.	Public nuisance. Complied, October 8.
110	Sept. 30	Town Hall, Jamaica..	Public nuisance. Work progressing.
111	Sept. 30	Chestnut street and Lexington avenue, Richmond Hill.....	Public nuisance. Complied, November 10.
112	Oct. 8	South side Atlantic avenue, 1 house west of Hoffman avenue, Chester Park.....	Defective drainage. Complied, November 23.
113	Oct. 8	Head of the Vleigh, Jamaica.....	Public nuisance. Work progressing.
114	Oct. 28	No. 209 Elm street, L. I. City.....	Defective drainage. Work progressing.

BOROUGH OF RICHMOND.

No.	Date.	Premises.	Cause and Result.
1	Sept. 30	West side Caroline street, south of Carey avenue.....	Defective drainage. Vacated, October 6. Work progressing.
2	Nov. 18	West side Arietta street, First Ward.	Defective drainage. Complied, November 24.

WORK PERFORMED BY THE DIVISION OF INSPECTION.

Work Performed by the Inspectors.

Total number of inspections and reinspections.....	710,549
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Classified as to Character of Premises.

Number of tenement-houses.....	7,681
Number of shore inspections.....	2,503
Number of lodging-houses.....	932
Number of private dwellings.....	15,657
Number of mercantile establishments.....	19,202
Number of manufactories and workshops.....	4,348
Number of stables.....	7,332
Number of manure dumps.....	5,917
Number of sunken and vacant lots.....	*586,769
Number of miscellaneous.....	

Total number of inspections.....	650,341
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Number of complaints forwarded for Board orders.....	22,870
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Number of reinspections on orders.....	60,208
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Number of specimens of milk examined.....	54,018
Number of specimens of milk collected for analysis.....	7,439
Number of quarts of milk destroyed.....	61
Number of analyses.....	2,424
Number of permits issued.....	14,545
Number of arrests.....	798
Number of persons held on bail.....	646
Number of persons discharged.....	85
Number of pounds of milk, fruit, food, meat and fish condemned and seized.....	11,443,987

Mercantile Establishments.

Number of citizens' complaints received.....	217
Number of citizens' complaints returned for orders.....	181
Number of citizens' complaints returned as negative.....	35
Number of original complaints forwarded for orders.....	729

Number of children interviewed applying for certificates.....	43,362
Number of employment certificates granted.....	23,591
Number of employment certificates refused.....	7,175
Number of duplicate certificates issued.....	1,029

*Includes inspections of milk, meat, fruit, food, etc.

The number of dead animals and the quantity of offal, garbage, etc., removed from the shore front by the Shore Inspectors was:

Dogs.....	575
Cats.....	339

Rats.....	238
Goats.....	27
Sheep.....	59
Hogs.....	39
Calves.....	6
Horses.....	2
Fowl.....	374

Total.....	1,659
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Fish.....	437
Offal.....	200
Garbage.....	22
Meats.....	520
Bedding.....	226
Clothing.....	339
Mattresses.....	391
Human bodies.....	3

Work Performed by the Sanitary Police.

Number of inspections and reinspections.....	192,125
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Classified as to Character of Premises.

Number of tenement-houses.....	19,055
Number of lodging-houses.....	1,528
Number of private dwellings.....	11,230
Number of mercantile establishments.....	256
Number of manufactories and workshops.....	4,237
Number of stables.....	19,754
Number of manure dumps.....	7,108
Number of sunken and vacant lots.....	8,104
Number of miscellaneous.....	93,551

Total number of inspections.....	164,823
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Number of complaints forwarded for Board orders.....	8,776
Number of complaints made and referred to Inspectors.....	1,229
Number of nuisances abated by personal effort.....	13,378
Number of visits to stop work, close stores, and premises under observation on account of contagious diseases.....	2,808

Number of reinspections on orders.....	27,302
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Number of arrests.....	1,657
Number of persons held on bail.....	1,105
Number of persons discharged.....	350

WORK PERFORMED BY THE DIVISION OF CONTAGIOUS DISEASES.

Number of visits to cases of contagious diseases.....	163,148
Number of cases visited for special diagnosis.....	7,594
Number of cases treated with diphtheria antitoxin.....	651
Number of persons immunized with diphtheria antitoxin.....	1,165
Number of school notices sent.....	19,238
Number of complaints forwarded for Board orders.....	435

Number of visits to tenement houses.....	178,705
Number of visits to hotels.....	657
Number of visits to schools and institutions.....	135,696
Number of visits to private houses.....	23,535
Number of visits, miscellaneous.....	44,842

Total number of visits.....	383,435
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Number of primary vaccinations.....	32,046
Number of revaccinations.....	141,323
Number of vaccinations in schools.....	41,822
Total number of certificates of vaccination issued.....	20,204
Number of visits to infected houses.....	1,021
Number of visits to sick children.....	10
Number of prescriptions filled.....	11
Number of animals examined.....	59,619
Number of post-mortems on animals.....	323
Number of glandered horses condemned.....	1,462
Number of persons removed to Contagious Disease Hospital.....	3,908
Number of dead bodies removed to Morgue.....	28
Number of houses visited for disinfection.....	37,317
Number of infected rooms disinfected.....	61,208
Number of times ambulances, etc., disinfected.....	2,413
Number of pieces infected goods disinfected.....	108,349
Number of pieces infected goods destroyed.....	35,951
Number of inspections and reinspections by Veterinarians.....	13,349
Total number of inspections and reinspections.....	434,101

Number of Communicable Diseases Reported.

Borough.	Diphtheria.	Scarlet Fever.	Measles.	Tuberculosis.	Typhoid Fever.	Parotiditis.	Croup.	Cerebro-Spinal Meningitis.	Chicken-pox.	Whooping Cough.	Small-pox.	Erysipelas.	Total.
Manhattan.....	10,568	6,705	7,283	10,334	2,342	754	1	19	2,548	538	24	44	41,160
Brooklyn.....	5,705	2,921	4,863	3,426	1,003	...	..	..	1,151	321	15	..	19,405
The Bronx.....	1,010	738	555	869	120	90	37	1	228	41	2	3	3,694
Queens.....	660	398	667	388	119	...	9	..	120	63	1	2	2,427
Richmond.....	321	125	321	197	87	47	6	..	134	103	1	10	1,352
Quarantine.....	...	...	...	...	...	...	..	..	...	...	24	..	24
Totals.....	18,264	10,887	13,689	15,214	3,671	891	53	20	4,181	1,066	67	59	68,062

Work Performed by the Medical School Inspectors.

Schools.	Total Daily Average Attendance.	Number of Schools Visited.	Number of Visits to Schools.
Public Schools.....	464,344	454	75,926
Parochial Schools.....	60,541	107	16,622
Industrial Schools, American Female Guardian Society....	4,275	11	1,740
Industrial Schools, Children's Aid Society.....	8,188	20	3,099
Private Schools.....	393	3	167
Kindergarten Schools.....	2,969	42	5,747
Total.....	540,710	637	103,301

Schools.	Number Examined.	Number Excluded.
Public Schools.....	9,916,012	56,903
Parochial Schools.....	1,108,018	5,803
Industrial Schools, American Female Guardian Society.....	69,962	721
Industrial Schools, Children's Aid Society.....	150,693	1,532
Private Schools.....	847	5
Kindergarten Schools.....	56,159	330
Total.....	11,301,691	65,294

Table Showing Diseases for Which Children Were Excluded.

Schools.	Measles.	Diphtheria.	Scarlet Fever.	Whooping Cough.	Mumps.	Contagious Eye Diseases.	Pediculosis.	Chicken-pox.	Skin Diseases.	Miscellaneous.	Total Excluded.
Public schools	*159	*389	*36	...	...	...	...	*672	...	...	*1,256
	233	482	63	340	598	27,700	18,567	797	3,590	4,539	56,909
Parochial Schools ...	*6	*14	*1	...	...	...	...	*29	...	...	*50
Industrial Schools, American Female Guardian Society.	7	15	1	4	16	3,303	1,978	45	283	145	5,797
Industrial Schools, Children's Aid Society	*1	*12	...	...	...	...	...	*18	...	...	*31
	4	13	...	2	...	390	128	26	76	82	721
Private Schools	*2	*10	*2	...	...	...	...	*14	...	...	*28
	2	12	2	10	...	989	355	22	49	91	1,532
Kindergarten Schools	...	...	...	...	...	1	...	...	...	4	5
	*1	*6	...	...	...	...	...	*15	...	...	*22
	4	8	...	8	...	142	72	19	31	46	330
Total	*169	*431	*39	...	...	...	...	*748	...	...	*1,387
	250	530	66	364	614	32,525	21,100	909	4,029	4,907	65,294

*Cases of true measles, diphtheria, scarlet fever and chicken pox.

Work Performed by the School Nurses.

Number of visits to houses	16,085
Number of visits to schools	16,573
Number of miscellaneous visits	293

Total number of visits

Number of Cases of Diseases Cared For.

Contagious eye affections	153,427
Pediculosis	205,549
Ringworm	10,461
Eczema	6,096
Scabies	425
Miscellaneous	24,150

Total cases

Work Performed at the Department Eye Hospital and Dispensary.

Number of cases treated by operation	4,337
Number of cases treated without operation	11,399

Total number of children treated

Total number of revisits made for treatment

Total number of treatments

Number of children not having trachoma examined

WORK PERFORMED BY THE DIVISION OF BACTERIOLOGY.

Work Performed at the Diagnosis Laboratory—Work Performed by the Medical Inspectors.

Number of new cases treated with antitoxin	2,469
Number of curative injections	2,623
Number of cases immunized	5,341
Number of cases intubated	113
Number of diphtheria inspections	7,679
Living cases of tuberculosis investigated	8,593
Dead cases of tuberculosis investigated	4,011
Number of miscellaneous cases	2,044
Total inspections	29,396

Number of original complaints

Number of special reports

Summary.

Number of bacteriological diagnoses of suspected diphtheria	25,833
Cases found to be true diphtheria	10,477
Cases found not to be true diphtheria	14,190
Number of bacteriological diagnoses indecisive	1,166
Number of bacteriological examinations of healthy throats in infected families	14,994
Number of later bacteriological examinations of diphtheria (convalescents)	23,077
Number of cultures taken by Medical School Inspectors	13,584
Number of bacteriological examinations of sputum from cases of suspected tuberculosis	11,842
Tubercle bacilli found	4,388
Tubercle bacilli not found	7,346
Number of specimens of blood examined for typhoid fever (Widal test)	4,231
Specimens showing positive reaction	1,125
Specimens showing negative reaction	2,978
Specimens showing doubtful reaction	128
Number of specimens of urine examined for typhoid fever reaction (Diazo)	739
Specimens showing positive reaction	276
Specimens showing negative reaction	336
Specimens showing doubtful reaction	127
Number of specimens of blood examined for malarial organisms	658
Malarial organisms found	63
Malarial organisms not found	595
Number of visits to collect diphtheria culture tubes, samples of sputum, etc.	18,226
Number of culture tubes prepared	86,414
Number of swabs made	86,965

Work Performed at the Vaccine Laboratory.

Number of visits to tenement houses	1,561
Number of visits to institutions	5
Number of miscellaneous visits	1
Total number of visits	1,567
Total primary vaccinations	1,164
Number of vaccination certificates issued	192
Number of specimens of vaccine virus tested bacteriologically	10,574
Number of animals vaccinated	91
Number of animals collected from	88
Number of grammes of vaccine virus collected	3,132.67
Number of cub. centimetres of liquid vaccine virus prepared	11,658
Number of spades charged with humanized virus	1,577
Number of capillary tubes of vaccine virus prepared	51,063

Number of small vials of vaccine virus prepared	3,645
Number of large vials of vaccine virus prepared	5,761
Number of mailing blocks prepared	48,880
Number of autopsies on animals	43
Number of white mice injected with vaccine virus	45
Number of other animals experimented upon	98

Work Performed at the Research Laboratory.

Number of bacteriological examinations for presence of diphtheria bacilli	669
Number of specimens of blood examined for typhoid fever reaction (Widal test)	4
Specimens showing positive reaction	1
Specimens showing negative reaction	3
Number of inoculations of animals with toxins for development of antitoxic substances	434
Number of animals bled for antitoxic serums	57
Number of c. c. of diphtheria antitoxic serum produced	231,278
Number of c. c. of diphtheria antitoxic serum bottled for distribution	193,002
Number of c. c. of tetanus antitoxic serum produced	14,730
Number of c. c. of tetanus antitoxic serum bottled for distribution	3,970
Number of c. c. of mallein produced	4,740
Number of c. c. of mallein bottled for distribution	1,401
Number of c. c. of tuberculin produced	200
Number of c. c. of tuberculin bottled for distribution	207
Number of samples of toxins tested	223
Number of samples of antitoxic serums tested	262
Number of specimens from cases of dysentery examined	18
Number of bacteriological examinations of water	8
Number of bacteriological examinations of milk	1,782
Number of bacteriological examinations of feces	5
Number of bacteriological examinations of urine	7
Number of miscellaneous bacteriological examinations	88
Number of diphtheria cultures positive	1,636
Number of diphtheria cultures negative	1,853
Number of disinfection tests	4,592
Number of pencils examined for diphtheria	20

Pasteur Treatment.

Number of cases receiving Pasteur treatment	28
Number of injections made in patients	168
Number of inoculations of fixed virus	50

Diagnosis of Hydrophobia.

Number of animals inoculated for diagnosis	58
Number of animals received for diagnosis	21

Work Performed by the Pathologist.

Number of inspections	8
Number of autopsies (human)	8
Number of autopsies (animal)	1
Number of c. c. of serum prepared	398,975
Number of bleedings for antitoxic serum	178
Number of injections of animals	603

WORK PERFORMED BY THE DIVISION OF CHEMISTRY.

Total number of reports forwarded and filed	10,331
Total number of analyses	9,956

Classified as to Character of Analyses.

Number of—	
alcohol	1
ashes	1
atropine sulphate	1
baking powder	9
bay rums	100
beers	11
bis. sub nitrate	7
blood stains	23
borax	22
boric acid	12
brandy drops	1
bread	2
breakfast food	1
butter	4
buttermilk	1
cake	1
camphor (spirits of)	242
candy	20
capsules	1
catsup	6
cereal	1
cheese	1
cherries	1
chloral hydrate	7
chloroform	3
chlorate of potash	12
chocolate	4
cider	2
cigarette	1
citrate of magnesia	49
coal	1
cocoa	9
codein powders	6
coffee	8
cordial	1
corn (canned)	1
cream (adulterated)	5
cream (unadulterated)	60
cream of tartar	153
disinfectant	1
effluent	1
epsom salts	1
excreta	2
experimental analyses	1,781
fat	1
floor oil (bacterial examination)	1
floor oil (chemical examination)	1
formaldehyde	10
fur	1
gelatin	1
ginger (essence of)	1
grass	3
ham	2
herbicide	1
herrings	1
honey	5
horse ball	4
hydrogen peroxide	2
ice (bacterial examination)	2
ice cream	1
iodin tincture	48
iodoform	5
jamaica ginger	27
lacquer	1

lard	2
laudanum	5
lemonade	1
lime water	1
linseed oil	1
liquid	6
liquor	2
lithia tablets	1
meat	1
medicine	23
milk powder	10
milk (adulterated)	1,985
milk (unadulterated)	3,973
milk (bacterial examination)	131
milk (evaporated)	4
milk (human)	1
milk (preserved, bacterial examination)	2
milk (preserved, chemical examination)	39
molasses	1
mud	2
opium pastes	48
paint dryer	1
paraform	1
paris green	1
peas (canned)	3
pepper	2
peppermint (essence of)	1
phenacetin	192
physostigmine	1
pickles	2
pills	6
plates (food left on)	1
potassium iodide	6
powder	4
preservatives	3
preserves	11
quinine sulphate pills	1
rolled oats	1
rubber hose	4
salmon	1
salt	1
sardines	2
sawcer (material on)	1
sediment	2
smoked beef	1
soap (bacterial examination)	1
soap (chemical examination)	3
soap liniment	31
stink pots	2
stomach and contents	3
sugar	4
sulphur	1
syrups	32
tablets	2
talcum powder	1
tea	4
tomatoes (canned)	3
tomato soup	1
tongue	1
towel	1
toy	1
trional	1
turpentine	4
uranine	2
urine	37
vichy water	1
vinegar	1
viscera	3
vomit	2
water (carbonic)	2
water (cellar)	44
water (bact. examination)	89
water (sanitary analyses)	477
whiskey	1
white lead	2
wine	16

Total number of analyses..... 9,956

Number of—	
lactometers tested	213
thermometers tested	162

Work Performed by the Milk Inspectors.

Number of—	
inspections of milk	7,148
specimens of milk examined	6,858
samples of milk collected	1,562
quarts adulterated milk destroyed	115
arrests	76
persons held on bail	65
persons discharged	11
Amount of fines	\$1,100

The number of dead animals removed from the streets and the quantity of offal, etc., removed from the markets and slaughter-houses by the contractors was—

Horses	17,575
Mules	22
Colts	34
Steers	2
Cows	427
Bulls	2
Ponies	8
Pigs	9
Donkeys	5
Calves	2,297
Sheep	582
Goats	123
Hogs	46
Alligators	1
Rats	15
Cats and dogs	115,251
Dogs from Public Pound	40,832

Total number of animals..... 177,231

Offal, barrels of	16,980
Poultry, barrels of	911
Rabbits, barrels of	5
Pork livers, barrels of	9
Fish, barrels of	15,394
Beef, quarters of	211
Veal, quarters of	863
Moose, quarters of	4

Meats, boxes of	1,801
Rabbits, boxes of	1
Livers, boxes of	2
Assorted meats, pounds of	6,050
Calves' heads, pounds of	170
Ox tails, pounds of	150

REPORT OF PATIENTS TREATED AT RECEPTION HOSPITAL.

BOROUGH OF MANHATTAN.

General statement.

1903.	Males.	Females.	Total.	Native.	Foreign.	Total.	Accompanying.
Remaining in Hospital, December 31, 1902...	7	3	10	6	4	10	...
Admitted	903	828	1,731	1,174	557	1,731	109
Total	910	831	1,741	1,180	561	1,741	109
Discharged	66	70	136	92	44	136	19
Transferred	800	724	1,524	1,022	502	1,524	90
Died	41	37	78	64	14	78	..
Total	907	831	1,738	1,178	560	1,738	109
Remaining in Hospital, December 31, 1903...	3	...	3	2	1	3	...

Remaining December 31, 1902.

	Age.			Native.			Foreign.			Total.
	Under 5 Years.	5 to 16 Years.	Over 16 Years.	Males.	Females.	Total.	Males.	Females.	Total.	
Measles	2	..	2	1	..	1	1	2	3	4
Pertussis	2	..	..	2	..	2	..	..	..	2
Diphtheria and measles	1	..	..	..	..	..	1	..	1	1
Diphtheria and pertussis	1	..	..	1	..	1	..	..	..	1
Total	6	..	2	4	..	4	2	2	4	8
For observation .....	..	2	..	1	1	2	..	..	..	2

Admitted.

Diphtheria	20	8	8	15	15	30	1	5	6	36
Scarlet fever	274	404	110	318	294	612	82	94	176	788
Measles	236	96	75	99	110	209	97	101	198	407
Smallpox	3	1	24	9	9	18	6	4	10	28
Varicella	14	19	10	20	16	36	2	5	7	43
Pertussis	19	2	1	9	12	21	..	1	1	22
Diphtheria and scarlet fever	27	18	7	23	19	42	2	8	10	52
Diphtheria and measles	47	5	2	23	27	50	..	4	4	54
Diphtheria and varicella	6	..	..	3	3	6	..	..	..	6
Diphtheria and pertussis	4	..	..	1	2	3	1	..	1	4
Diphtheria and erysipelas	1	..	2	2	..	2	..	1	1	3
Scarlet fever and varicella	1	1	..	..	1	1	1	..	1	2
Scarlet fever and pertussis	1	..	..	..	1	1	..	..	..	1
Measles and pertussis	2	..	..	1	1	2	..	..	..	2
Measles and varicella	1	..	..	..	1	1	..	..	..	1
Diphtheria and mumps	1	..	..	..	1	1	..	..	..	1
Diphtheria, measles and pertussis .....	..	1	..	..	1	1	..	..	..	1
Scarlet fever and mumps .....	..	1	..	1	..	1	..	..	..	1
Mumps	2	2	13	3	3	6	9	2	11	17
German measles .....	..	4	3	2	2	4	2	1	3	7
Tuberculosis	1	1	139	48	14	62	59	20	79	141
Varicella and pertussis	1	..	..	..	1	1	..	..	..	1
Total	661	563	394	577	533	1,110	262	246	508	1,618
For observation	30	28	55	37	27	64	27	22	49	113
Accompanying	16	3	90	5	16	21	8	80	88	109

Discharged.

Diphtheria	3	3	6	5	3	8	1	3	4	12
Scarlet fever	6	4	6	5	9	14	1	1	2	16
Measles	1	4	3	5	2	7	..	1	1	8
Smallpox	1	1	4	1	4	5	1	..	1	6
Varicella	3	1	2	3	3	6	..	..	..	6
Pertussis	7	2	..	4	5	9	..	..	..	9
Diphtheria and measles	1	..	1	1	..	1	..	1	1	2
Measles and varicella	1	..	..	..	1	1	..	..	..	1
Mumps	1	..	1	..	1	1	..	1	1	2

	Age.			Native.			Foreign.			Total.
	Under 5 Years.	5 to 16 Years.	Over 16 Years.	Males.	Females.	Total.	Males.	Females.	Total.	
German measles.....	..	4	..	1	2	3	1	..	1	4
Tuberculosis .....	..	..	8	4	1	5	1	2	3	8
Total	24	19	31	29	31	60	5	9	14	74
For observation.....	12	15	35	19	13	32	13	17	30	62
Accompanying	3	3	13	4	10	14	1	4	5	19

Transferred.										
Diphtheria	14	5	1	10	10	20	..	..	..	20
Scarlet fever	258	391	99	302	278	580	77	91	168	748
Measles	232	91	74	90	107	197	98	102	200	397
Smallpox	2	..	20	8	5	13	5	4	9	22
Varicella	10	18	8	17	13	30	2	4	6	36
Pertussis	8	..	1	4	4	8	..	1	1	9
Diphtheria and scarlet fever.....	20	13	7	18	14	32	1	7	8	40
Diphtheria and measles.....	32	2	..	15	17	32	..	2	2	34
Diphtheria and varicella.....	4	..	..	1	3	4	..	..	..	4
Diphtheria and pertussis.....	4	..	..	1	2	3	1	..	1	4
Diphtheria and erysipelas.....	..	..	2	1	..	1	..	1	1	2
Scarlet fever and varicella.....	1	1	..	..	1	1	1	..	1	2
Scarlet fever and pertussis.....	1	..	..	..	1	1	..	..	..	1
Measles and pertussis.....	2	..	..	1	1	2	..	..	..	2
Mumps	1	2	12	3	2	5	9	1	10	15
Varicella and pertussis.....	1	..	..	..	1	1	..	..	..	1
Diphtheria and mumps.....	1	..	..	..	1	1	..	..	..	1
German measles.....	..	..	3	1	..	1	1	1	2	3
Scarlet fever and mumps.....	..	1	..	1	..	1	..	..	..	1
Tuberculosis	1	1	131	44	13	57	58	18	76	133
Total.....	592	525	358	517	473	990	253	232	485	1,475
For observation.....	16	13	20	18	14	32	12	5	17	49
Accompanying	13	..	77	1	6	7	7	76	83	90

Died.										
Diphtheria	3	..	1	..	2	2	..	2	2	4
Scarlet fever.....	10	9	5	11	7	18	4	2	6	24
Measles	4	1	..	4	1	5	..	..	..	5
Varicella	1	..	..	..	..	..	..	1	1	1
Pertussis	6	..	..	3	3	6	..	..	..	6
Diphtheria and scarlet fever.....	7	5	..	5	5	10	1	1	2	12
Diphtheria and measles.....	15	3	1	7	10	17	1	1	2	19
Diphtheria and varicella.....	2	..	..	2	..	2	..	..	..	2
Diphtheria and pertussis.....	1	..	..	1	..	1	..	..	..	1
Diphtheria and erysipelas.....	1	..	..	1	..	1	..	..	..	1
Diphtheria, measles and pertussis..	..	1	..	..	1	1	..	..	..	1
Total	50	19	7	34	29	63	6	7	13	76
For observation.....	1	1	..	..	1	1	1	..	1	2

Remaining December 31, 1903.										
Measles	1	..	..	1	..	1	..	..	..	1
For observation.....	1	1	..	1	..	1	1	..	1	2

Recapitulation.											
	Remaining December 31, 1902.		Admitted.		Discharged.		Transferred.		Died.		Remaining December 31, 1903.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
Diphtheria .....	..	..	16	20	6	6	10	10	..	4	..
Scarlet fever.....	..	..	400	388	6	10	379	369	15	9	..
Measles	2	2	196	211	5	3	188	209	4	1	..
Small pox .....	..	..	15	13	2	4	13	9	..	..	..
Varicella .....	..	..	22	21	3	3	19	17	..	1	..
Pertussis	2	..	9	13	4	5	4	5	3	3	..
Diphtheria and measles.	1	..	23	31	1	1	15	19	8	11	..
Diphtheria and scarlet fever .....	..	..	25	27	..	..	19	21	6	6	..

	Remaining December 31, 1902.		Admitted.		Discharged.		Transferred.		Died.		Remaining December 31, 1903.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Diphtheria and varicella	3	3	..	..	1	3	2	..	..	..
Diphtheria and pertussis	1	..	2	2	..	..	2	2	1	..	..	..
Diphtheria and erysipelas	2	1	..	..	1	1	1	..	..	..
Diphtheria and mumps.	1	..	..	..	1	..	..	..	..
Diphtheria, measles and pertussis	1	..	..	..	..	1	..	..	..
Scarlet fever and varicella	1	1	..	..	1	1	..	..	..	..
Scarlet fever and pertussis	1	..	..	..	1	..	..	..	..
Scarlet fever and mumps	1	..	..	..	1	..	..	..	..	..
Measles and pertussis.	1	1	..	..	1	1	..	..	..	..
Measles and varicella..	1	..	1	..	..	..	..	..	..
Varicella and pertussis.	1	..	..	1	..	..	..	..	..
Mumps	12	5	..	2	12	3	..	..	..	..
German measles.....	4	3	2	2	2	1	..	..	..	..
Tuberculosis	107	34	5	3	102	31	..	..	..	..
Total	6	2	839	779	34	40	770	705	40	36	1	..
For observation.....	1	1	64	49	32	30	30	19	1	1	2	..
Accompanying	13	96	5	14	8	82	..	..	..	..

REPORT OF PATIENTS TREATED AT THE WILLARD PARKER HOSPITAL.
BOROUGH OF MANHATTAN.
General Statement.

	Males.	Females.	Total.	Native.	Foreign.	Total.	Accompanying.
Remaining in Hospital, Dec. 31, 1902..	26	21	47	39	8	47	..
Admitted	634	600	1,234	1,011	223	1,234	12
Total	660	621	1,281	1,050	231	1,281	12
Discharged	409	374	783	589	194	783	11
Transferred	54	48	102	98	4	102	1
Died	182	174	356	334	22	356	..
Total.....	645	596	1,241	1,021	220	1,241	12
Remaining in Hospital Dec. 31, 1903....	15	25	40	29	11	40	..

	Age.			Native.			Foreign.			Total.
	Under 5 Years.	5 to 16 Years.	Over 16 Years.	Males.	Females.	Total.	Males.	Females.	Total.	
Diphtheria	25	14	8	21	18	39	5	3	8	47

Admitted.											
Diphtheria	636	338	260	530	481	1,011	104	119	223	1,234	
Accompanying	2	3	7	5	3	8	1	3	4	12	

Discharged.											
Diphtheria	261	277	245	316	273	589	93	101	194	783	
Accompanying	2	3	6	5	3	8	1	2	3	11	

Transferred.											
Diphtheria	81	19	2	53	45	98	1	3	4	102	
Accompanying .....	..	..	1	..	..	..	..	1	1	1	

Died.											
Diphtheria	298	47	11	170	164	334	12	10	22	356	

Remaining December 31, 1903.											
Diphtheria	21	9	10	12	17	29	3	8	11	40	

Recapitulation.

	Remaining December 31, 1902.		Admitted.		Discharged.		Trans- ferred.		Died.		Remaining December 31, 1903.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Diphtheria	26	21	634	600	409	374	54	48	182	174	15	25
Accompanying .....	..	..	6	6	6	5	..	1	..	..	..	..

REPORT OF PATIENTS TREATED AT THE RIVERSIDE HOSPITAL.
BOROUGH OF THE BRONX.
General Statement.

1903.	Males.	Females.	Total.	Native.	Foreign.	Total.	Accompanying.
Remaining in Hospital Dec. 31, 1902..	28	47	75	47	28	75	8
Admitted	839	766	1,605	1,083	522	1,605	101
Total.....	867	813	1,680	1,130	550	1,680	109
Discharged	645	594	1,239	828	411	1,239	94
Died	138	122	260	184	76	260	..
Total.....	783	716	1,499	1,012	487	1,499	94
Remaining in Hospital Dec. 31, 1903..	84	97	181	118	63	181	15

Remaining December 31, 1902.

	Age.			Native.			Foreign.			Total.
	Under 5 Years.	5 to 16 Years.	Over 16 Years.	Males.	Females.	Total.	Males.	Females.	Total.	
Scarlet fever	10	20	13	14	19	33	4	6	10	43
Measles	14	1	2	1	5	6	5	6	11	17
Small-pox	2	2	2	2	..	2	..	4	4	6
Diphtheria and scarlet fever.....	5	2	..	1	5	6	..	1	1	7
Diphtheria and measles	1	..	..	..	..	..	..	1	1	1
Scarlet fever and measles	1	..	..	..	..	..	1	..	1	1
Total.....	33	25	17	18	29	47	10	18	28	75
Accompanying .....	..	..	8	..	..	..	1	7	8	8

Admitted.

Diphtheria	52	17	2	35	34	69	..	2	2	71
Scarlet fever	285	446	105	343	302	645	86	105	191	836
Measles	169	60	59	46	62	108	92	88	180	288
Small-pox	2	..	20	4	6	10	10	2	12	22
Varicella	1	2	..	1	2	3	..	..	..	3
Mumps	1	4	11	4	3	7	8	1	9	16
Diphtheria and scarlet fever.....	83	50	8	54	63	117	7	17	24	141
Diphtheria and measles	51	3	..	17	19	36	12	6	18	54
Scarlet fever and measles	19	3	1	9	10	19	1	3	4	23
Scarlet fever and varicella	4	1	..	2	2	4	..	1	1	5
Scarlet fever, diphtheria and measles	1	..	..	1	..	1	..	..	..	1
Measles and pertussis	1	..	..	..	1	1	..	..	..	1
Measles and varicella .....	..	1	..	..	..	..	1	..	1	1
Measles, diphtheria and pertussis...	1	..	..	..	..	..	..	1	1	1
Scarlet fever and mumps .....	..	1	..	1	..	1	..	..	..	1
Tuberculosis	1	4	136	44	18	62	61	18	79	141
Total.....	671	592	342	561	522	1,083	278	244	522	1,605
Accompanying	15	..	86	2	7	9	7	85	92	101

Discharged.

Diphtheria	25	11	2	23	9	32	2	4	6	38
Scarlet fever	230	393	101	286	285	571	70	83	153	724
Measles	134	46	45	27	39	66	86	73	159	225
Small-pox	4	2	19	3	5	8	12	5	17	25

Age. Native. Foreign.

	Age.			Native.			Foreign.		
	Under 5 Years.	5 to 16 Years.	Over 16 Years.	Males.	Females.	Total.	Males.	Females.	Total.
Varicella	1	2	..	1	2	3	..	..	3
Diphtheria and scarlet fever.....	39	37	5	31	39	70	2	9	11
Diphtheria and measles	17	1	..	4	9	13	3	2	5
Scarlet fever, diphtheria and measles	1	..	..	1	..	1	..	..	1
Scarlet fever and mumps.....	..	1	..	1	..	1	..	..	1
Scarlet fever and measles.....	9	3	1	7	6	13	..	..	13
Scarlet fever and varicella	4	1	..	2	2	4	..	1	5
Measles and pertussis	1	..	..	..	1	1	..	..	1
Measles and varicella .....	..	1	..	..	..	..	1	..	1
Mumps	2	3	11	5	2	7	7	2	9
Tuberculosis .....	..	3	84	31	7	38	40	9	49
Total.....	467	504	268	422	406	828	223	188	411
Accompanying	12	..	82	2	7	9	6	79	85

Died.

Diphtheria	15	3	..	6	12	18	..	..	..	18
Scarlet fever	52	27	3	35	28	63	11	8	19	82
Measles	30	2	..	11	11	22	5	5	10	32
Small-pox	1	..	2	1	..	1	..	2	2	3
Diphtheria and scarlet fever.....	34	8	..	17	19	36	3	3	6	42
Diphtheria and measles	35	2	..	13	10	23	9	5	14	37
Scarlet fever and measles.....	9	..	..	2	4	6	1	2	3	9
Measles, diphtheria and pertussis ..	1	..	..	..	..	..	..	1	1	1
Tuberculosis .....	..	1	35	9	6	15	15	6	21	36
Total.....	177	43	40	94	90	184	44	32	76	260

Remaining in Hospital December 31, 1903.

Diphtheria	12	3	..	4	11	15	..	..	..	15
Scarlet fever	16	44	13	35	16	51	10	12	22	73
Measles	17	13	18	7	23	30	8	10	18	48
Diphtheria and scarlet fever	15	8	2	7	10	17	2	6	8	25
Scarlet fever and measles	2	..	..	..	..	..	1	1	2	2
Tuberculosis	1	..	17	3	2	5	7	6	13	18
Total.....	63	68	50	56	62	118	28	35	63	181
Accompanying	3	..	12	..	..	..	2	13	15	15

Recapitulation.

	Remaining December 31, 1902.		Admitted.		Discharged.		Trans- ferred.		Died.		Remaining December 31, 1903.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Diphtheria .....	..	..	35	36	25	13	..	..	6	12	4	11
Scarlet fever	18	25	429	407	356	368	..	..	46	36	45	28
Measles	6	11	138	150	113	112	..	..	16	16	15	33
Small-pox	2	4	14	8	15	10	..	..	1	2	..	..
Varicella .....	..	..	1	2	1	2	..	..	..	..	..	..
Mumps .....	..	..	12	4	12	4	..	..	..	..	..	..
Diphtheria and scarlet fever	1	6	61	80	33	48	..	..	20	22	9	16
Diphtheria and measles .....	..	1	29	25	7	11	..	..	22	15	..	..
Scarlet fever and measles	1	..	10	13	7	6	..	..	3	6	1	1
Scarlet fever and varicella .....	..	..	2	3	2	3	..	..	..	..	..	..
Scarlet fever, diphtheria and measles .....	..	..	1	..	1	..	..	..	..	..	..	..
Measles and pertussis .....	..	..	..	1	..	1	..	..	..	..	..	..
Measles and varicella .....	..	..	1	..	1	..	..	..	..	..	..	..
Measles, diphtheria and pertussis .....	..	..	..	1	..	..	..	..	..	1	..	..
Scarlet fever and mumps .....	..	..	1	..	1	..	..	..	..	..	..	..
Tuberculosis .....	..	..	105	36	71	16	..	..	24	12	10	8
Total....	28	47	839	766	645	594	..	..	138	122	84	97
Accompanying	1	7	9	92	8	86	..	..	..	..	2	13

REPORT OF PATIENTS TREATED AT KINGSTON AVENUE HOSPITAL.
BOROUGH OF BROOKLYN.
General Statement.

1903.	Males. Females.		Total.	Native. Foreign.		Total.	Accompanying.
Remaining in Hospital Dec. 31, 1902..	49	70	119	65	54	119	13
Admitted	687	587	1,274	811	463	1,274	130
Total.....	736	657	1,393	876	517	1,393	143
Discharged	586	537	1,123	677	446	1,123	138
Transferred	16	19	35	12	23	35	4
Died	95	74	169	129	40	169	1
Total.....	697	630	1,327	818	509	1,327	143
Remaining in Hospital Dec. 31, 1903..	39	27	66	58	8	66	..

Remaining December 31, 1902.

	Age.			Native.			Foreign.			Total.
	Under 5 Years.	5 to 16 Years.	Over 16 Years.	Males.	Females.	Total.	Males.	Females.	Total.	
Diphtheria	13	3	..	4	10	14	..	2	2	16
Scarlet fever	12	27	2	11	27	38	2	1	3	41
Measles	29	7	2	..	..	..	21	17	38	31
Varicella	2	1	..	..	..	..	1	2	3	3
Pertussis	1	..	..	1	1	..	..	..	..	1
Diphtheria and scarlet fever.....	2	2	..	1	3	4	..	..	..	4
Diphtheria and measles.....	5	..	..	..	..	..	4	1	5	5
Diphtheria and pertussis.....	1	..	..	1	..	1	..	..	..	1
Scarlet fever and varicella.....	1	..	..	1	..	1	..	..	..	1
Scarlet fever and measles.....	6	1	..	1	3	4	2	1	3	7
Scarlet fever, diphtheria and measles	1	..	..	1	1	..	..	..	..	1
Smallpox .....	..	1	..	1	1	..	..	..	..	1
Total.....	73	42	4	19	46	65	30	24	54	119
Accompanying .....	..	..	..	..	..	..	..	..	..	13

Admitted.

Diphtheria	116	117	81	142	114	256	22	36	58	314
Scarlet fever	74	124	33	85	89	174	23	34	57	231
Measles	271	110	72	125	75	200	135	118	253	453
Smallpox	4	6	27	10	6	16	19	2	21	37
Varicella	41	25	13	30	23	53	17	9	26	79
Pertussis	25	7	..	7	23	30	1	1	2	32
Diphtheria and scarlet fever.....	11	10	..	15	4	19	2	..	2	21
Diphtheria and measles.....	22	4	..	11	9	20	3	3	6	26
Diphtheria and varicella.....	4	..	..	2	2	4	..	..	..	4
Diphtheria and pertussis.....	2	..	..	1	..	1	1	..	1	2
Scarlet fever and measles.....	20	10	2	6	1	7	7	18	25	32
Scarlet fever and varicella.....	4	..	..	..	1	1	3	..	3	4
Scarlet fever and pertussis.....	1	2	..	1	2	3	..	..	..	3
Measles and pertussis.....	2	1	..	3	..	3	..	..	..	3
Measles and varicella.....	4	..	..	2	2	4	..	..	..	4
Total.....	601	416	228	440	351	791	233	221	454	1,245
For observation.....	13	7	9	10	10	20	4	5	9	29
Accompanying .....	..	..	..	..	..	..	..	..	..	130

Discharged.

Diphtheria	95	101	77	117	99	216	21	36	57	273
Scarlet fever	63	121	27	67	100	167	19	25	44	211
Measles	238	106	68	99	59	158	137	117	254	412
Smallpox	4	7	25	9	7	16	18	2	20	36
Varicella	40	14	12	20	17	37	18	11	29	66
Pertussis	14	6	..	3	17	20	..	..	..	20
Diphtheria and scarlet fever.....	7	9	..	9	5	14	2	..	2	16
Diphtheria and measles.....	13	3	..	6	3	9	5	2	7	16
Diphtheria and varicella.....	2	..	..	2	2	..	..	..	..	2
Scarlet fever and measles.....	21	7	2	5	4	9	8	13	21	30
Scarlet fever and varicella.....	5	..	..	1	1	2	3	..	3	5

	Age.			Native.			Foreign.		
	Under 5 Years.	5 to 16 Years.	Over 16 Years.	Males.	Females.	Total.	Males.	Females.	Total.
Scarlet fever and pertussis.....	..	1	..	1	..	1	..	..	1
Measles and pertussis.....	1	1	..	2	..	2	..	..	2
Measles and varicella.....	4	..	..	2	2	4	..	..	4
Scarlet fever, diphtheria and measles	1	..	..	..	1	1	..	..	1
Total.....	508	376	211	341	317	658	231	206	437
For observation	13	7	8	10	9	19	4	5	9
Accompanying .....	..	..	..	..	..	..	..	..	138

Transferred.

Diphtheria .....	..	3	..	2	1	3	..	..	3
Scarlet fever	3	3	..	2	1	3	3	..	6
Measles	16	6	2	2	2	4	7	13	24
Pertussis	1	..	..	..	1	1	..	..	1
Total.....	20	12	2	6	5	11	10	13	23
For observation .....	..	..	1	..	1	1	..	..	1
Accompanying .....	..	..	..	..	..	..	..	..	4

Died.

Diphtheria	32	10	3	22	21	43	1	1	2	45
Scarlet fever	17	7	3	11	7	18	3	6	9	27
Measles	45	2	2	21	13	34	10	5	15	49
Varicella	2	..	..	2	..	2	..	..	..	2
Pertussis	8	..	..	2	4	6	1	1	2	8
Diphtheria and scarlet fever	6	2	..	7	1	8	..	..	..	8
Diphtheria and measles	14	1	..	5	6	11	2	2	4	15
Diphtheria and varicella	2	..	..	2	..	2	..	..	..	2
Diphtheria and pertussis	1	..	..	1	..	1	..	..	..	1
Scarlet fever and measles.....	5	4	..	2	..	2	1	6	7	9
Scarlet fever and pertussis .....	..	1	..	..	1	1	..	..	..	1
Measles and pertussis	1	..	..	1	..	1	..	..	..	1
Small-pox .....	..	..	1	..	..	1	..	..	..	1
Total.....	133	27	9	76	53	129	19	21	40	169
Accompanying .....	..	..	..	..	..	..	..	..	..	1

Remaining in Hospital December 31, 1903.

Diphtheria	2	6	1	5	3	8	..	1	1	9
Scarlet fever	3	20	5	16	8	24	..	4	4	28
Measles	1	3	2	3	1	4	2	..	2	6
Small-pox .....	..	..	1	1	..	1	..	..	..	1
Varicella	1	12	1	8	6	14	..	..	..	14
Diphtheria and scarlet fever.....	..	1	..	..	1	1	..	..	..	1
Diphtheria and pertussis	2	..	..	1	..	1	1	..	1	2
Scarlet fever and pertussis.....	1	..	..	..	1	1	..	..	..	1
Pertussis	3	1	..	2	2	4	..	..	..	4
Total.....	13	43	10	36	22	58	3	5	8	66

Recapitulation.

	Remaining December 31, 1902.		Admitted.		Discharged.		Transferred.		Died.		Remaining December 31, 1903.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Diphtheria	4	12	164	150	138	135	2	1	23	22	5	4
Scarlet fever	13	28	108	123	86	125	5	1	14	13	16	12
Measles	21	17	260	193	236	176	9	15	31	18	5	1
Small-pox .....	..	1	29	8	27	9	..	..	1	..	1	..
Varicella	1	2	47	32	38	28	..	..	2	..	8	6
Pertussis .....	..	1	8	24	3	17	..	1	3	5	2	2
Diphtheria and scarlet fever	1	3	17	4	11	5	..	..	7	1	..	1
Diphtheria and measles	4	1	14	12	11	5	..	..	7	8	..	..
Diphtheria and varicella .....	..	..	2	2	..	2	..	..	2	..	..	..
Diphtheria and pertussis	1	..	2	..	..	..	..	..	1	..	2	..
Scarlet fever and measles	3	4	13	19	13	17	..	..	3	6	..	..
Scarlet fever and varicella	1	..	3	1	4	1	..	..	..	..	..	..

	Remaining December 31, 1902.		Admitted.		Discharged.		Trans- ferred.		Died.		Remaining December 31, 1903.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Scarlet fever and pertussis	1	2	1	..	..	..	..	1	..	1
Scarlet fever, diphtheria and measles	1	..	..	..	1	..	..	..	..	..	..
Measles and pertussis.	3	..	2	..	..	..	1	..	..	..
Measles and varicella.	2	2	2	2	..	..	..	..	..	..
Total.....	49	70	673	572	572	523	16	18	95	74	39	27
Observation	14	15	14	14	..	1	..	..	..	..
Accompanying	13	4	126	..	138	3	1	1	..	..	..

Respectfully submitted,

CHAS. F. ROBERTS, M. D., Sanitary Superintendent.

December 7, 1903.

Hon. ERNST J. LEDERLE, Ph.D., President, the Board of Health, New York City:

Dear Sir—I have the honor to forward the Annual Report for the hospitals under the immediate care of the Superintendent of Hospitals.

The appointment of a Superintendent at the beginning of the year began the gradual elimination of old hospital methods. This was completed in May by the appointment of Superintendents of Nurses for the three institutions—Willard Parker, Riverside and Kingston Avenue hospitals. With these appointments came a material decrease in waste, better nursing, and many changes in the nursing staff to overcome old prejudices and to make a satisfactory beginning. At the present time the patients are always in the care of Nurses, as nursing is insisted upon, and were waiting upon the patients is not considered sufficient. Whenever it has been found necessary the number of Nurses has been increased to meet the demands of the new system, and a report on the conditions of the hospitals and the plan of nursing is made by the Superintendent every week.

The changes in the Medical Department of the hospitals have been principally among the Hospital Physicians in charge. Dr. Bryant, of the Willard Parker, and Dr. Murray, of Kingston Avenue Hospital, were transferred as Diagnosticians. Dr. Beery, resigned from the Riverside Hospital, was reappointed, and is now in charge of the Kingston Avenue Hospital. Dr. Nicholas, formerly Assistant, was appointed Resident Physician to Riverside Hospital, and Dr. Burckhalter was placed in charge of the Willard Parker Hospital.

The only new appointees were Dr. Watson and Dr. Eberle, respectively, at Kingston Avenue and Willard Parker hospitals.

In all the institutions great consideration has been shown to the parents and friends of the patients, and I can safely say that in this kindness there has been a great improvement, and, at the same time, no ill results have been observed.

The religious interest of the patients and employees has received due consideration, and at Riverside Hospital we have been able to fit up two chapels for the resident Roman Catholics and Protestants, where regular Sunday services are conducted.

The general work of the hospitals has been brought under several heads of divisions, and rules governing their work established, the whole being placed under the Physician in charge.

During the past year a sanitarium for tuberculosis was established at Riverside Hospital, and it has met with wonderful success. The improvement in the patients and the general work of this branch of the institution has been made in separate reports. I wish to call your special attention to the fact that there is no doubt but that the Department has shown itself capable of producing the best results with means which would have been considered inadequate.

Changes have been made in the ambulance service whereby a Physician is always in attendance. The stable and ambulance system has been made a division of the hospitals, and a capable employee has been placed in charge. In consequence the stables have been well kept, and the horses show a great improvement. Ambulances and wagons have been kept in good repair and newly done over. The repairs made on the Kingston Avenue Hospital ambulances, by lightening their weight and replacing the ordinary axles with the ball-bearing variety, have given us two one-horse where formerly two-horse ambulances were necessary.

For the Borough of the Bronx, a stable has been established at One Hundred and Thirty-fourth street, near the new dock at the foot of East One Hundred and Thirty-second street, so that ambulance calls hereafter will be made by the Physicians from Riverside Hospital. By establishing this stable the heaviest part of the work of ambulances and goods wagon will be done away with, as the building which has been erected at that dock at the foot of East One Hundred and Thirty-second street has a sterilizing and disinfecting plant, and a small reception hospital where patients may remain in safety until called for by the boat.

A fire alarm system has been inaugurated in all the hospitals and the employees properly drilled to meet all emergencies. This service has been very satisfactory, and was so effective in the one fire which we had that only a corner of an old unused building was burned.

The boat service of the "Franklin Edson" has been good, but the necessity for greater accommodation must be met this coming year. With the erection of the new buildings on the Willard Parker Hospital site, the old laundries will be replaced by a modern laundry building at Riverside, and all the washing of the old and new institutions must be carried back and forth. This will entail additional service to one, which at the present time is quite heavy. A new and larger steamer will be needed in addition to the present facilities.

At the beginning of the year all the employees were put in uniform. The Laborers were furnished their overall suits by the Department, as were the Nurses and Ward Helpers. The attending result of uniforming the force has elevated it and made the whole body of employees more careful in their work as in their general appearance.

The following improvements have been made or are under way at the three hospitals:

WILLARD PARKER HOSPITAL.

Metallic ceiling in basement.

Introduction of Kern lights.

Painted throughout.

All wards have been renovated—new supplies furnished.

Roofs, gutter, leaders, etc., are now being put in good order.

Removal of Matron's office and storeroom.

The establishment of new office facilities.

Opening of a new dining room for hospital employees.

Ward 1 (Annex) has been divided.

All plumbing on the premises has been overhauled and is now in first-class condition.

All boilers have been relined with fire brick, arch plates reset.

The McClave improved grates and Argand steam blowers have been installed under the boilers.

A medical library has been provided for the staff.

A new instrument case has been put in.

Willard Parker Annex has been provided with new awnings in wards 1, 3 and 5.

At Reception Hospital two new awnings were provided and six old ones recovered.

All wards at Reception Hospital are now provided with new blankets.

The use of mattresses at Willard Parker and Reception Hospitals has been abolished as being unsanitary; blankets substituted.

All old beds and cribs at Willard Parker have been condemned and replaced with 30 new beds and 25 adjustable cribs.

All male patients are now provided with pajamas.

All old crockery and glassware have been condemned and replaced by crockery of new pattern, special design and monogram of Department.

All wards at Reception Hospital have been numbered with white enamel figures.

Buildings Removed.

The Morgue, which was formerly situated east of Willard Parker, has been removed to north side near river.

Reception kitchen was moved 60 feet to north; the same has been repainted inside and outside. New sink and refrigerators provided. Floors recovered with linoleum and rug for Nurses' dining room.

The dock at Reception has been thoroughly repaired and a new dock has been constructed on the north side of grounds.

Suitable signs for the several buildings of the Department were provided.

The drug room has been remodeled, renovated, and is now in good condition.

The Annex (Avenue C House) has been completely overhauled, repaired and refurnished and is now in first-class condition. Is occupied by Nurses and female help of Willard Parker and Reception.

A new gate house has been built at entrance Sixteenth street through which all employees enter. A proper record of the arrival and departure is recorded.

Two new iron gates with locks were provided at ambulance entrance.

New shed for wagons and ambulances of the department has been built.

A new coal yard has been constructed for boilers at Willard Parker.

There is in progress of construction a new scarlet fever pavilion, 140 feet by 75 feet, six stories high, which will accommodate when completed about 200 patients.

Stable.

Renovate and repainted.

New toilet and bath rooms provided for drivers.

Two double vans, four single vans and two coupes have been repaired and put in first class condition.

Improved hanging harness for ambulances has been provided.

Five new sets brass mounted harness have been purchased.

Four new horses have been purchased.

A new fruit wagon and a new cart and harness have been purchased.

One van, one wagon, one ambulance and two buggies are now in repair shop.

Stablemen have been provided with rubber boots.

Seventeen horses have been clipped.

The stable is now in first class condition.

Specifications have been drawn by the architect for the following new buildings:

New administration building.

New laboratory building.

Addition to disinfecting building.

Waiting room and awning at the reception hospital.

Various repairs to the disinfecting building and Willard Parker building, including fireproof doors to close off the hall of the last named building and a westerly entrance and porch.

Preliminaries studies for a boiler house.

RIVERSIDE HOSPITAL.

Repairs to roofs of all pavilions, boiler house, kitchen and administration building.

New plumbing in pavilions Nos. 3, 4, 5, 6, 7, 8, 10, 11 and 12, and administration building.

Painting all buildings and general repairs.

Remodeling of pavilions 3, 6, 8, 9, and 10, extensions with 12 bathrooms added to the last three buildings, also additional heating facilities. Large hot water tank provided in boiler room to supply the entire island.

New floor in boiler room.

Remodeling boilers to burn small coal.

Repairs to steam plant.

Two new washing machines, new sterilizer.

Addition to disinfecting building.

Telephone in pavilions.

Removal of old Ducker pavilions.

Filling ice house.

Repairs to "Franklin Edson."

Altering stable building.

Tents, swings, etc., for tuberculosis cases.

New sewer for laundry.

Plans for improved roadways.

New store house and wagon shed.

New Nurses' home.

New summer house.

New shed on dock.

Coal house.

Laundry building.

Isolating cottages.

New dock.

New dock at One Hundred and Thirty-second street and building.

Stable, One Hundred and Thirty-fourth street and Willow avenue.

Porte cochere and solarium on pavilion 1 planned.

New plumbing in pavilion 1.

Remodeling disinfecting building.

Preliminary plans for new boat house.

KINGSTON AVENUE HOSPITAL.

The grounds have been generally improved and cleared of rubbish and condemned articles, and cottage "A" removed. A new wire fence has been built on the north and south sides of the hospital property and a wooden fence built and whitewashed on the east side. The settling tanks have been cleaned and refuse removed, the system of cesspool sewage abolished and the cesspools filled in.

A new iron stack has been built for garbage crematory, tight inclosures built for toilets and bath rooms on tent platform and the plumbing of same repaired.

In the ambulance disinfection station, steam radiators have been replaced by steam coils and a new steam formaldehyde generator installed for the disinfection of ambulances.

The roofs of the wagon sheds have been repaired and the buildings painted inside and out.

The plastering in the Nurses' home has been repaired, the building painted inside and out, also a new slate roof.

The store house has been painted outside, tin roof repaired, plumbing repaired, new clothes closets and clothes racks erected.

The plastering of the administration building has been repaired, the building painted inside and out, slate roof repaired, coping reset and masonry pointed. New bath room for Matron.

In all the frame pavilions, the metal roofs have been repaired and painted, the woodwork repaired, the buildings painted inside and out, new plumbing, bath and toilet fixtures installed and spaces between foundation piers closed by wood sheathing.

Pavilion No. 7 was painted and the roof repaired.

The cottages have been painted outside, the woodwork repaired and plumbing repaired.

Wire screens have been made for windows of all ward buildings.

New brick boiler house.

New brick stack.

150 horse power boiler.

Sewage pump, boiler feed pump and receiver installed.

New brick disinfecting station and laboratory.

New disinfecting chamber.

Stationary wagon scales.

Two sets of double harness and 1 set of single harness.

Three new horses purchased.

Ambulances have been remodeled and repaired.
 Disinfecting wagons and truck have been repaired and painted.
 New furniture for Nurses' home.
 Five refrigerators for wards.
 Additional beds, cribs, chairs and tables for wards.
 Blanket beds have been substituted for mattresses.
 New Nurses' home.
 New pavilion.
 New coal storage building.
 Preliminary drawings for an ice house.
 Repairs to steam pipe in administration building.
 Repairing and painting of the store house and laundry building.
 Repairing and painting outside and in of pavilions Nos. 1, 2, 3, 4, 5 and 6, also the isolation cottages and kitchen.
 New plumbing in pavilions Nos. 2, 3, 4, 5 and 6.
 Plans for the development of the entire grounds.

BOROUGH OF QUEENS.

Preliminary drawings for administration building, two pavilions and stable, laundry and disinfecting building.

BOROUGH OF RICHMOND.

New disinfecting building.
 Preliminary drawings for two new pavilions.

Miscellaneous.

New disinfecting building on dock at One Hundred and Thirty-second street.
 Repairs to Trachoma Hospital, One Hundred and Eighteenth street and Pleasant avenue.

New plumbing and repairs to building at Avenue C and East Sixteenth street.

Respectfully submitted,

G. T. STEWART, M. D., Superintendent of Hospitals.

DIVISION OF INSPECTIONS.

Department of Health—City of New York,
 Southwest Corner of Fifty-fifth Street and Sixth Avenue,
 Borough of Manhattan, New York, December 16, 1903.

To the Assistant Sanitary Superintendent:

Sir—I have the honor to submit the following report of the work performed in this division during the year 1903.

The number of Inspectors on the force has ranged from 49, in the beginning of the year, to 34 at the present time. Early in the year there were in the division 18 Food Inspectors and 31 detailed to sanitary work, the milk work having been placed under the direction of the Chemist and carrying with it the services of 5 Food Inspectors. Reduction at various times in the staff of Sanitary Inspectors has left the division with but 21 Inspectors of this class. The work has been carried along the same lines as those followed last year so far as possible with the means at hand.

SANITARY INSPECTIONS.

Stables.

During the first part of the year it was discovered that a considerable number of cases of glanders had broken out among horses that were found in stables that were not in a good sanitary condition. A systematic inspection of all the stables in the borough was then set in motion, resulting in the discovery of many places requiring improvements. In quite a large number of instances it was found that horses were stabled in cellars, where there was little or no ventilation and where the drainage was inadequate or defective. As a result of this inspection there have been issued up to date 1,343 orders requiring improvements of various kinds in these places. Besides this, a new section was adopted and added to the Sanitary Code requiring all cellar stables to obtain a permit from this Department as a prerequisite to their occupancy for such purposes. The total number of inspections of this class to date made by Sanitary and Police Inspectors amount to 16,905.

The effect of this supervision has been to very greatly improve the sanitary conditions of the stables. In a number of cases where the structures were old, and where it would not pay to improve the property, the buildings have been vacated and in some instances demolished.

Cow Stables.

There are in the Borough of Manhattan fifty-seven cow stables, and these require a systematic inspection at regular intervals in order to maintain their sanitary condition, to observe the conditions under which the milk is produced, to prevent overcrowding, and to examine the physical condition of the cows themselves, etc.

Since 1896, when the examinations of cows and cow stables was first undertaken, the sanitary conditions have been improved. One fact of interest is that the number of cows kept has been increased, in some cases even doubled, where the herds were small and the size of the stable allowed of increase. Another fact is apparent, namely, that very few are going into the business of keeping cows who have not at some time or another been engaged in the same.

Most all herds now kept below One Hundred and Twenty-fifth street are kept by persons of foreign birth. In many instances the owners are widows of men who started the business years ago, and while they have a certain practical knowledge they are not always careful in the application of sanitary rules in the conduct of the business.

What the requirements are for a sanitary stable for milch cows must ever remain for the Department of Health to enforce and supervise. In several cases it seemed necessary to recommend orders for the removal of the cows, the sanitary condition being considered impossible to improve, or the condition of the stable entirely unfit for the keeping of cows. When, however, the owner found that the removal of the cows meant the cessation of his income he made extraordinary efforts to comply with the orders and rules of this Department, and, on the whole, succeeded, and while there will no doubt be a tendency to relapse into negligent conditions, still the improvements made will remain, and at each future inspection neglected sanitary conditions will be comparatively easy to establish again, and such improvements as cemented floors and proper sewer connections will be permanent. A semi-yearly or yearly inspection is, however, necessary to keep cow stables in good sanitary condition.

Below One Hundred and Twenty-fifth street there are at present located 41 cows of the 158, which is the total number on Manhattan Island. The number of herds is gradually diminished as the sites of the stables are being improved. Above One Hundred and Twenty-fifth street the stables are usually of a better quality and in better condition, for the reason that the stable buildings are of better material, better constructed, with improved sanitary plumbing, etc. The herds below One Hundred and Twenty-fifth street number 14; above One Hundred and Twenty-fifth street 43. The total number of cows is 158; 41 below One Hundred and Twenty-fifth street and 117 above One Hundred and Twenty-fifth street. The physical condition and the care of the cows is really quite good. It does not pay to keep a poor cow for milking purposes under stable-fed conditions within the city limits. Croton water is now generally used for watering cows and cleaning utensils wherever possible. The milk produced is usually sold within a short distance of the stable almost immediately after milking—very little remains over. Milk utensils are well and cleanly kept.

Lodging Houses.

A constant and careful supervision of the lodging houses has been observed. Instead of having one man detailed to inspect them as heretofore, each Inspector has been required to submit a monthly report of the condition of each lodging house in his district. The permit of one such place has been revoked during the year, the building having been torn down to make way for improvements, and one new permit has been issued for a boys' lodging house, thus leaving the total number the same as it was last year. During the year there have issued 86 orders requiring minor changes in the sanitary condition of these places.

There is one class of buildings to which I desire to direct attention, and that is what is known as the "Raines Law Hotel." A lodging house, as defined by the Charter of Greater New York City, would include all hotels and boarding houses, as well as what is generally considered to be bona fide lodging houses.

In the opinion of the Corporation Counsel it was within the province of the Board of Health to determine the character of lodging-houses that should be operated under a permit. This resulted in the adoption of section 21 of the Sanitary Code, in which it is required "For all lodging houses in The City of New York containing rooms in

which there are more than three beds for the use of lodgers, or in which more than six persons sleep, a permit from the Board of Health shall be required."

It was found that in a number of cases Raines Law Hotels, besides having the 10 rooms required by the Excise Law, had fitted up lofts with dwarf partitions and let out the rooms to lodgers. In each instance where this condition has been found an order has been issued requiring a discontinuance of the use of the building as a lodging-house without a permit from this Department.

As the buildings do not conform to the requirements in respect to lodging-houses, this virtually means the abandonment of this part of the business. These orders have been resisted on the ground that these places are hotels specially designated by legislative enactment, and that, therefore, they cannot be classified as lodging-houses.

It seems to me it would be well to have a test case in court in order that a decision may be reached upon which the department may authoritatively act.

Smoke Nuisances.

In the report of last year reference was made to the prevalence of this character of nuisance on account of the strike in the anthracite coal regions, and the resultant use of bituminous coal. For some time after the supply of hard coal was available many manufacturers and apartment-houses continued the use of the soft coal, and failed to provide means to reduce the volume of smoke caused by its use, or to take the necessary precautions in firing, etc. It was found, therefore, that active measures must be taken to overcome the difficulty. In every case the offenders were first notified of the violation of the law, and, where the written order was not promptly obeyed, an arrest was made. The total number arrested for maintaining this nuisance was 116; of these 70 were discharged in the Magistrate's Court, and 46 were held for trial in the Court of Special Sessions, and the disposition of the cases in that Court was as follows:

32 sentence suspended.

8 fined.

6 not disposed of.

Total number of fines, \$260.

This action led to a very great reduction in the number of those formerly creating a nuisance, so that now there exist only a few sporadic instances.

Sunken and Vacant Lots.

Early in the spring of the year a thorough inspection was had of the unimproved property throughout the borough for the purpose of determining all premises on which water might collect, and, with the object of issuing orders to abate nuisances occasioned by such a condition and to prevent the propagation of mosquitoes. The inspectors were directed to note all cases requiring attention that came under their observation in their various districts and file complaints wherever it was found necessary. The number of inspections made of this character amounted to 2,739. The most difficult section with which we had to deal was that located in Inwood, at the northern end of the island, a section lying between Broadway and the Harlem river, and north of Dyckman street. Here new streets had been cut through and culverts that had been originally provided had become clogged up, resulting in the formation of large ponds.

Through the co-operation of the Department of Highways and the improvements made by the property owners, the culverts were opened, lots were filled in or drained by sewer connections, until now the conditions are so changed for the better that much property at one time completely submerged has been entirely cleared of all water.

Slaughter-houses.

Further changes of an important character have been made in these establishments. As far as possible all woodwork so situated as to be exposed to saturation and liable to become offensive, has been largely removed. The floors of the pens in which the animals destined for slaughter are kept have been asphalted, and in many cases fences erected consisting of iron tubing. The means of ventilation and for the disposition of odors arising from rendering processes have been very greatly improved.

These places have been under the constant supervision of a Sanitary Inspector and also of the Meat Inspectors, who are detailed to these particular sections. I am not aware of a single complaint having been received during the year against the slaughter-houses, the method of conducting the business being such as to preclude the discharge of offensive odors into the neighborhood.

Chicken Slaughter-houses.

All of the chicken slaughter-houses are now in the best possible condition that can be expected of premises used for such purposes.

A regular weekly inspection is made of them by the Sanitary Inspectors to note whether the rules and regulations governing their proper conduct are properly observed. On account of the consolidation of the business in the hands of a few two slaughtering establishments were abandoned and their permits revoked.

The condemnation of Centre Market has resulted in the termination of a business of this kind that was formerly conducted there.

Plans were recently approved for the fitting up of a new place at No. 415 Water street by the people who formerly carried on the business in Centre Market.

The new location is much less objectionable and better conditions will necessarily prevail, so that the exchange is a decided improvement.

Bathing Establishments.

An inspection of a number of bathing establishments in the early part of the year disclosed the necessity for improving their conditions. In many places on the lower east side it was found that small pools or mikvers were in use, and that these were often crowded to their utmost limit. Most of these pools being furnished with water from the Croton supply, the desire to save led to the practice of using water for a number of days without changing it. And then these pools were constructed in large part of wood that became saturated and filthy. Wooden floors, textile mats, cushions and mattresses were in use and were dangerous sources of infection.

In the larger baths where immense quantities of water are used, sunken wells are provided; in each instance where this was the case a sample of water was taken for analysis. In almost every case it was found that the water from these wells was impregnated to such an extent as to require the provision of a process of filtration before it could be properly used. The result of these investigations was an amendment to the Sanitary Code, requiring every such establishment to secure a permit from the Board of Health.

The following rules were adopted and are required to be observed in conducting the business:

1. A permit from the Board of Health to conduct a bathing establishment, stating the number of tubs and pools that are to be used on the premises, and the rules of the Board of Health governing bathing establishments must be posted conspicuously on the wall.
 2. The pools, plunges and mikvers must be emptied daily, and the bottom and side walls of same thoroughly scrubbed before refilling.
 3. A shower-bath must be provided and all persons required to take a shower-bath before entering the pool.
 4. The floors of bathrooms must be made impervious to dampness. The side walls of bathrooms must be painted with two coats of white enamel paint, or covered with a non-absorbent material, for a height of at least six feet above the floor.
 5. When mats are used, they must be made of rubber.
 6. Stairs and stair supports leading to pools must be made of metal, stone or cement.
 7. All cushions and mattresses must be covered with non-absorbent material.
 8. Clean towels must be provided for each person.
- The total number of permits issued amount to 92.
- The effect of the enforcement of these rules has been to do away with many abuses and the adoption of more sanitary methods.

Mercantile Establishments.

Since my last yearly report important changes have been made in the Child Labor Law, which very greatly enlarges the scope of the work. Hitherto the application of the law had been confined to mercantile establishments and factories. Under the law as amended by the last Legislature all working children under certain ages came

under its operation. Children employed in street trades are looked after by the Department of Education, and those in factories by the State Factory Inspector; those employed in any other capacity come under the jurisdiction of the Board of Health. This includes not only mercantile establishments but also business offices, telegraph offices, restaurants, hotels, apartment houses, or those engaged in the distribution or transmission of merchandise or messages. This means a personal visitation of every such place and an investigation of the working force in each case to see that, in the first place, no children are employed without a certificate, and, in the next place, to ascertain whether the law is being complied with in respect to hours of labor.

The amended law has reduced the number of hours that children between the ages of 14 and 16 years of age shall be employed from 60 hours per week to 54; and from 10 hours per day to 9 hours, so that it will be necessary to systematically inspect mercantile establishments as well as those that are newly brought under its provisions.

As far as can be done with the force at hand this work is receiving attention. The larger firms have been notified and the inspectors are daily investigating and reporting cases in their various districts.

The law as it now stands does away with the issuance of vacation certificates in cities of the first and second class, but as a larger number of employments are now included there will be little or no diminution in the total number of applicants.

In order to remove the congestions at the central office, due to the large demand for employment certificates during certain periods of the year, and also to accommodate the children and their parents so that they would not have so far to travel, a branch office was established for the issuance of employment certificates at Nos. 68 and 70 Elm street.

A large majority of the children applying for these certificates live on the lower East Side, and there is thus almost within walking distance of their homes means provided for securing such certificates.

During the year there have been 15,591 inspections of mercantile establishments, and 465 orders have been issued against violations of the law.

Number of children applying for certificates.....	26,808
Number of certificates granted	12,579
Number of certificates denied	4,116
Number of duplicate certificates issued.....	301

Sanitary Police.

The Sanitary Police have been engaged in enforcing orders issued by the Board, and also such sections of the Sanitary Code as can be enforced by instant arrest; such as prohibiting spitting in public conveyances; the discharge of smoke; the unlawful exposure of meat, fish and candy; the unloading of manure across the sidewalk, and the discharge of dust from buildings in the process of demolition, and also the inspection of tenement houses at night for overcrowding.

Their efforts have resulted in 919 arrests for the following causes:

	Number of Arrests.	Number Fined.	Number of Discharges.	Sentence Suspended.	Not Disposed of.	Amount of Fines.
Section 16.....	1	1	..	..	..	60 days.
Section 17.....	2	2	..	..	..	\$100 00
Section 27.....	1	..	1	..	..	.....
Section 43.....	1	..	1	..	..	.....
Section 45.....	34	15	18	1	..	90 00
Section 46.....	70	32	29	2	7	85 00
Section 48.....	8	7	1	..	..	60 00
Section 53.....	6	5	1	..	..	85 00
Section 56.....	24	2	20	2	..	35 00
Section 65.....	2	1	1	..	..	10 00
Section 78.....	84	51	33	..	..	290 00
Section 80.....	1	..	1	..	..	.....
Section 87.....	3	1	2	..	..	5 00
Section 96.....	116	3	70	32	6	260 00
Section 97.....	27	18	9	..	..	98 00
Section 101.....	1	1	..	..	..	10 00
Section 100.....	2	2	..	..	..	2 00
Section 103.....	2	..	2	..	..	.....
Section 116.....	7	2	5	..	..	4 00
Section 118.....	35	19	16	..	..	107 00
Section 121.....	7	5	2	..	..	29 00
Section 125.....	5	..	5	..	..	.....
Section 141.....	1	..	1	..	..	.....
Section 178.....	474	298	176	..	..	470 00
Section 180.....	1	..	..	..	1	.....
Section 1262 of Charter.....	2	..	2	..	..	.....
Section 385, Penal Code.....	2	..	2	..	..	.....
Total.....	919	470	398	37	14	\$1,740 00

19,115 inspections have been made for overcrowding, and orders to the number of 200 have been issued in cases where overcrowded apartments were found. At regular intervals a number of these officers have been sent out in citizens' clothes to make arrests of those persons violating the spitting ordinances, and as a result of their activity this practice has been reduced to a minimum. It is now much more difficult to find offenders than was the case at the beginning. In a large number of cases the ferry companies have provided spittoons in the waiting-rooms and on the boats, and the L road has furnished them on a number of their stations. It is expected that all the stations will be equipped in the near future.

FOOD INSPECTIONS.

Milk.

The supervision of milk inspection has been transferred from this division and placed under the direction of the Chemist of the department. In the appended statement the number of inspections made, samples collected, arrests for adulteration, and fines imposed while in this division, will be found.

In addition to the inspection of the milk the work of enforcing general cleanliness in places where milk is sold, and insisting on compliance with the rules and regulations governing the sale and storage of milk, has been done by the Sanitary Inspectors. These inspections result in the frequent revocation of permits on the discovery of unsanitary conditions, which are only reissued after proper measures have been taken to conform to requirements of the department.

The following table will give an idea of the number of places visited, although this only shows those stores for which applications are made:

Number of milk applications.....	2,872
Number of applications denied	548
Number of permits granted.....	2,291
Number of permits revoked.....	4,598

Fruit.

There has been but little change in the methods of fruit inspection, except that at department purchased a covered wagon in the early summer and supplied it with covered metal cans. This wagon has been used to great advantage on the east and west sides of the City above Fourteenth street. With it the Inspectors have been able to cover more ground in a day and in addition have been able to secure a more prompt removal of the condemned material. This method has had a good effect in making dealers more careful as to the character of food-stuffs offered for sale, for they do not care to have it known that they are exposing for sale articles of food that are worthy of condemnation.

In the push-cart market on the lower east side the Inspector in charge has frequently reported during the summer that he has not in years found so little material to condemn and, has stated that as a whole the conditions existing are more favorable.

The segregation of the push-cart fish peddlers within a limited area adjoining the approach of the new East River Bridge, suggests the possibilities of similar treatment for other push-cart peddlers who deal in food-stuffs. There will be a considerable area available under the same bridge between the point now occupied by the fish peddlers and the river, and it would be a good thing to set apart this space for purposes of this character. This would relieve street congestion and at the same time render the control of the traffic much easier. Among the wholesale trade the Inspectors have been busily engaged in scrutinizing the produce as it comes to market, and their efforts have been effective in preventing quantities of unwholesome fruit and vegetables being sent out for human consumption. Over nine millions and a quarter pounds have been condemned since the first of the year by the various Inspectors. The methods employed for collecting and removing the waste-matter at the Manhattan Market in West Thirty-fourth street, in the railroad yard at West Thirtieth street, and at the Harlem Market on the upper east side, have markedly improved. The material is now promptly gathered up and removed to the dumps.

Meat and Fish.

There are five Meat Inspectors and one Fish Inspector.

One Meat Inspector is detailed to the west side slaughter houses, one to the east side slaughter houses, one to Washington and West Washington Markets, one to the stock yards at the foot of West Sixtieth street, and one is engaged in visiting butcher shops, small markets, and the ice-boxes in which large quantities of meat are stored, and to the investigation of citizens' complaints against this character of food.

Total for the ten months ending October 31, 1903:

West Side Slaughter Houses.	
Beeves	54,460
Sheep	759,178
Calves	87,821
Hogs	628,400

East Side Slaughter Houses.	
Beeves	234,370
Sheep	489,492
Calves	153,476

The Fish Inspector covers Fulton Market and the push-cart and wagon peddlers and "Paddy's Market," and attends to complaints coming from all parts of the borough relating to this subject.

The importance of this character of work may be realized when it is stated that over eleven hundred thousand pounds of fish and various kinds of meat have been condemned thus far this year.

The following table gives the number of animals slaughtered in the slaughter-houses in this borough during the present year:

	Beeves.	Sheep.	Calves.	Hogs.
January	4,867	78,388	3,271	72,974
February	4,974	62,522	3,087	59,718
March	5,792	54,891	6,937	62,267
April	4,662	57,071	12,047	57,786
May	4,888	64,126	14,723	58,917
June	6,476	105,516	16,589	60,067
July	4,765	95,456	11,703	57,621
August	4,558	77,278	7,439	56,600
September	6,284	86,541	6,781	66,063
October	5,194	77,389	5,244	76,387

	Beeves.	Sheep.	Calves.
January	22,615	47,070	13,330
February	22,100	47,477	6,968
March	22,082	42,709	10,680
April	26,468	45,541	22,298
May	23,058	37,282	22,667
June	26,573	46,909	20,435
July	26,112	58,650	17,910
August	23,589	48,047	15,047
September	29,006	61,729	12,738
October	12,767	54,078	12,403

During the year a market place has been fitted up at the entrance to the new East River Bridge for the use of push-cart peddlers. This has had the effect of driving this kind of business from the public streets and also limits the business within a certain area. Besides, the space which the market occupies is cemented and graded to sewer-connected drains, so that the liquid matter readily flows off. At the close of the day the whole space is flushed out with fresh water and thus kept in a cleanly condition.

Carbonated Waters.

The inspection of buildings in which carbonated waters are manufactured is still in progress. New places are frequently being discovered and required to conform with requirements of this department in relation to their sanitary surroundings and the establishment of proper methods in the manufacture.

During the year the number of applications acted upon has been as follows:

Number of applications.....	134
Number granted on first application.....	104
Number denied	24
Number granted on reinspection.....	24
Number of applications pending.....	6
Number of permits revoked.....	1

SUMMARY.
Sanitary Police and Inspectors.

Year 1903.	Inspections.	Citizens' Complaints Returned for Or. der.	Citizens' Complaints Returned Negative.	Reinspections.	Tenement Houses.	Lodging Houses.	Private Dwellings.	Mercantile Establish-ments.	Manufactories and Workshops.	Stables.	Manure Dumps.	Sunken and Vacant Lots.	Miscellaneous.	Total.	Arrests.	Bail.	Discharged.	Trials.	Fines.
Inspectors	26,139	3,904	3,449	8,710	1,008	163	726	5,741	1,085	691	....	494	7,521	17,429	....	....	....	....	....
Police	36,336	1,513	525	2,986	3,987	20	1,049	....	576	4,751	1,387	638	20,939	33,350	317	223	94	253	\$340
First Quarter	62,475	5,417	3,974	11,696	4,995	183	1,775	5,741	1,661	5,442	1,387	1,132	28,460	50,779	317	223	94	253	\$340
Inspectors	25,017	3,103	2,864	9,455	682	38	1,750	4,592	1,337	2,533	....	298	4,332	15,562	....	....	....	....	....
Police	27,855	1,667	1,105	3,655	4,685	12	1,007	....	1,166	1,878	1,314	391	13,747	24,200	232	171	39	94	\$77
Second Quarter	52,872	4,770	3,969	13,110	5,367	50	2,757	4,592	2,503	4,411	1,314	689	18,079	39,762	232	171	39	94	\$77
Inspectors	21,526	2,656	2,126	8,446	656	284	574	2,965	626	1,318	....	222	6,435	13,080	....	....	....	....	....
Police	25,169	1,226	1,269	2,689	3,852	187	1,193	....	826	3,174	1,329	337	11,582	22,480	279	98	98	....	\$124
Third Quarter	46,695	3,882	3,395	11,135	4,508	471	1,767	2,965	1,452	4,492	1,329	559	18,017	35,560	279	98	98	....	\$124
Half of Fourth Quarter.....	28,853	1,977	1,717	6,240	3,198	673	1,188	2,293	791	2,560	721	359	10,830	22,613	70	18	29	....	\$37

Milk Inspectors.

Milk.	Inspections.	Specimens Exam-ined.	Specimens Taken.	Destroyed.	Citizens' Complaints Received.	Citizens' Complaints Returned for Or. der.	Citizens' Complaints Returned Negative.	Special Day Inspec-tions.	Arrests.	Bail.	Discharged.	Trials.	Fines.	Reinspections.	Original Complaints.
First Quarter	8,238	7,192	500	6	38	27	11	1,527	64	54	10	57	1,525	....	16
Second Quarter	6,647	6,149	1,743	50	29	5	24	1,713	168	133	7	149	2,949	90	2
Third Quarter	2,773	2,723	1,376	5	26	....	25	828	41	30	2	52	865	....	20
Half of Fourth Quarter.....	315	....	....	....	4	1	3	2	6	6	....	8	75	....	34

Fruit Inspectors.

Fruit.	Inspections.	Vegetables.	Groceries.	Confectionery.	Citizens' Complaints Received.	Originals.	Citizens' Complaints, for Order.	Citizens' Complaints Negative.	Arrests.	Bail.	Discharged.	Trials.	Fines.	Reinspection.	Fruit Condemned.	Total.
First quarter.....	76,319	536,922	10,064	2,236	32	....	18	14	2	1	1	1	\$15	....	741,430	1,290,652
Second quarter.....	81,300	242,725	14,854	5,155	47	3	12	35	1	1	....	....	....	18	2,214,747	2,477,481
Third quarter.....	85,043	79,746	14,760	462	120	6	18	101	41	37	10	29	132	....	4,814,570	4,909,538
Half of fourth quarter.....	38,935	84,505	4,680	225	25	....	8	19	6	6	1	6	20	....	510,385	599,795

Meat and Fish Inspectors.

Meat and Fish.	Inspections.	Permits to Lead Cows.	Tuberculin Certificates Examined.	Meat Condemned.	Fish Condemned.	Citizens' Complaints Re-ceived.	Original Complaints.	Citizens' Complaints for Order.	Citizens' Complaints, Negative.	Arrests.	Bail.	Discharged.	Trials.	Fines.	Beef Condemned.	Veal Condemned.	Mutton Condemned.	Hogs Condemned.	Assorted Meat Con-demned.	Poultry Condemned.	Game Condemned.	Total Condemned.
First quarter.....	16,725	560	578	295,546	106,971	58	....	13	25	16	15	1	10	\$70	122,650	24,237	18,703	52,826	1,168	43,736	2,226	402,517
Second quarter.....	14,614	698	620	187,741	47,700	77	17	19	70	10	8	....	8	60	70,580	42,728	5,912	37,390	2,287	28,505	15	235,441
Third quarter.....	13,070	501	333	225,595	37,245	69	2	13	31	8	6	....	9	60	76,525	44,360	9,940	38,225	8,890	47,655	....	329,270
Half of fourth quarter.....	8,948	336	363	141,080	34,177	21	7	1	11	2	2	....	1	10	35,920	25,865	13,660	23,740	1,919	39,976	....	175,257

Respectfully submitted,
H. E. BRAMLEY, Chief Sanitary Inspector.Department of Health,
Division of Contagious Diseases, Borough of Manhattan,
Fifty-fifth Street and Sixth Avenue, New York

To the Assistant Sanitary Superintendent:

Sir—I herewith forward a report of the work performed by the Division of Con-tagious Diseases for the year 1903:

Cases of Contagious Disease Reported to the Department of Health During the Years
1901, 1902, 1903.

	1901.	1902.	1903.
Diphtheria	6,774	9,679	10,568
Scarlet fever.....	10,113	6,895	6,705
Measles	7,592	11,645	7,283
Small pox.....	1,198	755	30
Typhoid fever.....	1,860	2,524	2,342
Tuberculosis	8,692	9,130	10,332

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
Number of visits to cases of con-tagious disease	25,678	34,982	20,668	23,084	104,412
Number of cases visited for special diagnosis	1,243	1,460	719	1,505	4,927
Number of school notices sent.....	4,009	4,634	401	3,516	12,560
Number of visits to tenement houses.	33,457	36,598	37,259	35,968	143,282
Number of visits to hotels	146	194	111	55	506
Number of visits to schools and insti-tutions	20,614	24,386	4,535	38,310	136,372
Number of visits to private houses...	1,131	1,271	638	754	3,794
Number of visits, miscellaneous.....	5,041	6,500	7,907	3,757	23,205

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
Total number of visits.....	60,389	68,949	50,450	78,844	258,632
Number of primary vaccinations	3,229	6,998	2,115	3,849	15,191
Number of revaccinations	37,727	26,395	18,192	39,068	121,382
Number of vaccinations in schools...	6,774	8,760	528	10,106	16,168
Total number of certificates of vaccination issued	976	1,108	1,412	3,441	6,937
Number of visits to infected houses.	18	.....	.....	.....	18
Number of visits to sick children....	4	.....	.....	.....	4
Number of prescriptions filled	4	.....	1	.....	5
Number of animals examined	3,711	15,497	13,328	10,086	42,522
Number of post-mortems on animals..	95	138	27	26	286
Number of glandered horses condemned	157	365	263	190	975
Number of inspections and reinspections	862	1,752	981	861	4,456
Number of persons removed to Contagious Disease Hospital	610	819	480	505	2,414
Number of dead bodies to Morgue...	12	6	6	3	27
Number of houses visited for disinfection	4,932	7,761	5,474	5,131	23,298
Number of infected rooms disinfected	8,622	13,713	10,021	8,776	40,132
Number of times ambulances, etc., disinfected	521	559	387	414	1,881
Number of pieces infected goods disinfected	8,469	22,752	11,799	14,586	57,606
Number of pieces infected goods destroyed	2,909	10,351	5,138	3,761	22,159
Total inspections	66,183	78,462	56,905	84,836	286,386
Diagnosticians.					
Number of visits to cases.....	1,219	1,759	853	1,862	5,693
Number of visits to cases for special diagnosis	1,235	1,460	718	1,505	4,918
Number of school notices sent.....	.....	20	.....	3	23
Number of visits to tenement houses.	631	870	457	704	2,662
Number of visits to hotels	41	32	5	9	87
Number of visits to schools and institutions	265	195	108	43	611
Number of visits to private houses..	74	47	18	31	170
Number of visits, miscellaneous.....	141	291	156	361	949
Total visits	1,152	1,435	744	1,148	4,479
Medical Inspectors.					
Number of visits to cases	24,459	33,223	19,815	21,222	98,719
Number of visits for special diagnosis	8	.....	1	.....	9
Number of school notices sent	4,009	4,614	401	3,513	11,537
Number of visits to tenement houses.	32,826	35,728	36,802	22,766	128,124
Number of visits to hotels	105	162	106	46	419
Number of visits to schools and institutions	20,349	24,191	4,427	13,057	62,024
Number of visits to private houses...	1,057	1,224	620	723	3,624
Number of visits, miscellaneous	4,900	6,209	7,751	1,380	13,240
Total number of visits	59,237	67,514	49,706	37,972	212,429
Total Medical Inspectors and Diagnosticians.					
Number of visits to cases	25,678	34,982	20,668	23,084	104,412
Number of visits to cases for special diagnosis	1,243	1,460	719	1,505	4,927
Number of school notices sent	4,009	4,634	401	3,516	12,560
Number of visits to tenement houses.	33,457	36,598	37,259	23,470	130,784
Number of visits to hotels	146	194	111	55	506
Number of visits to schools and institutions	20,614	24,386	4,535	13,100	62,635
Number of visits to private houses...	1,131	1,271	638	754	3,794
Number of visits, miscellaneous	5,041	6,500	7,907	1,741	21,189
Total number of visits	60,389	68,949	50,450	39,120	218,908
Disinfectors and Ambulance Drivers.					
Total inspections	66,183	78,462	56,905	84,836	286,386
Number of persons removed to hospital	610	819	480	505	2,414
Number of bodies to Morgue	12	6	6	3	27
Number of houses visited.....	4,932	7,761	5,474	5,131	23,298
Number of rooms disinfected.....	8,622	13,713	10,021	8,776	41,132
Vaccinators.					
Number of primary vaccinations	3,229	6,998	2,115	3,849	16,191
Number of revaccinations	37,727	26,395	18,192	39,068	121,382
Number of vaccinations in school...	6,794	8,760	528	10,106	26,188
Total	47,730	42,153	20,835	53,023	165,741
Number of vaccination certificates issued	976	1,108	1,412	3,441	6,937
Number of visits to infected houses.	18	.....	.....	.....	18
Number of visits to sick children....	4	1	.....	.....	5
Number of prescriptions filled	4	3	.....	.....	7
Veterinarians.					
Number of animals examined	3,711	15,497	13,328	10,086	42,622
Number of post mortems on animals.	95	138	27	26	286
Number of glandered horses destroyed	2,909	10,351	5,138	190	975
Number of inspections and reinspections	18,469	22,752	11,799	861	4,456
Disinfecting Station.					
Number of times ambulances and other vehicles disinfected	521	559	387	414	1,881
Number of pieces of infected goods destroyed	157	365	263	14,586	49,137
Number of pieces of infected goods destroyed	862	1,752	981	3,761	21,159

The following report has been submitted by Dr. J. J. Cronin, Assistant Chief Medical Inspector, who has supervised the work of the Medical School Inspectors, Summer Corps and vaccinating work:

The plan of conducting the examination of school children for presence of contagious disease continued the same as instituted at the beginning of the school year 1902—that is, the regular morning inspection of all schools and the weekly routine inspection

of classes as far as possible. The nursing system also continued as originally adopted. The wisdom of adopting the nursing system was so evident that the corps of Nurses was increased from nine Nurses to sixteen Nurses in the Borough of Manhattan in the third week of February.

It was now evident with the Nurses in the schools that the majority of children who had to be excluded from class attendance on account of some minor contagious affection could very well be allowed to attend class while under the professional care of the school Nurse. This fact gave rise to the necessity of some system of record whereby each child affected with any contagious affection could be recorded, ordered and kept under treatment until the case was cured. Such a system was adopted and put in operation on March 30, 1903, and known as the "Card Index System." This system provides a card for each class. When the Inspector makes his routine inspection of a class the card is identified by room number, class number and school number of that class. The name of each child found with any contagious affection is written on the class card with the code number of the disease for which treatment is ordered and the date of inspection made by the Medical Inspector. On a separate blank card is written the code number of the disease, which is given to the child, with instructions to report to the Nurse for treatment if it is a proper case for the Nurse to look after. When the child has been seen by the Nurse and treated, the Nurse dates the card sent with the child by the doctor, and the child returns to class. Forty-eight hours after the Inspector returns to these same class rooms, calls out the name of the children recorded on class index card and inspects them to see if his orders have been fulfilled. If the child has been under treatment the class index card is marked with date of the reinspection under the heading "Under Treatment." If the child has not received treatment, the child is excluded from school attendance forthwith, and class index card is dated under the heading "Excluded." This child is not allowed to return to the classroom until readmitted by the Medical Inspector in charge of the school. As soon as the child returns to school with evidence that treatment has been established, the child is readmitted to school and index card is dated under the heading "Readmitted." In the remark column is put the date on which the child is pronounced cured. In case of trachoma, the date of operation and date of cure. (Children living in the vicinity of the Trachoma Hospital are advised, when affected with trachoma, to go to the Department Eye Hospital and Dispensary at the foot of Gouverneur street.)

The form of the class index card is given below:

Class.....	Room.....	School No.....				
Name.	Dis- ease.	Ordered Under Treatment.	Under Treatment.	Excluded.	Readmitted.	Remarks.
I.....
2.....
3.....
4.....
5.....
6.....
7.....
8.....
9.....
10.....
11.....

..... Medical Inspector.

When a child is excluded from school, a properly filled out exclusion card is given to the Principal, who gives the card, in a sealed envelope, to the child. This card gives the name, age, address, school number and reason for exclusion on the face. The back of the card gives "Notice to the Parents" of the reason for the exclusion and the date on which the child should return to school.

In cases of contagious disease of serious nature, as measles, diphtheria, scarlet fever, variola, varicella, mumps, the child is sent home at once; in minor affections, such as trachoma, pediculosis, etc., the children are allowed to continue in class until the next recurring recess when they are handed the exclusion card in a sealed envelope. The form of exclusion card is here shown:

Front.

DEPARTMENT OF HEALTH,
Borough of Manhattan.

New York,.....190....

Name.....Age.....

Address.....

Is Ordered to Discontinue Attendance at

School No....., located at.....

Reason:.....

Medical Inspector.

Back.

NOTICE TO PARENTS.

The disease mentioned on the other side of this card is a contagious affection and liable to be transmitted to other children. The child should receive prompt treatment by any physician (or at any dispensary), and should return to school....., 190... for re-examination by the Medical Inspector of the Department of Health. If found free from contagion at this time, he may resume attendance at school.

A daily report is forwarded each day to the Central Office by the Medical Inspector for each school under his charge. A duplicate report is left at the school for the use of the School Nurse and Principals. This report states the date and time of the

visit to the school, the number examined in the morning inspection, and on weekly routine inspection; also the name, age and address and reason for exclusion of each child excluded.

A weekly report is forwarded each week by each Inspector giving a summary of the work of the entire week.

Investigation of Causes of Absence from School.

Since the first week in March the Medical Inspectors have been required to ask for the names and addresses of all children who have been absent from school for four or five days for unknown reasons, and who, in the opinion of the Principals, may be sick. These visits to houses have been very fruitful in the discovery of contagious diseases which have not been reported to the Department of Health.

WORK PERFORMED BY MEDICAL INSPECTORS, SCHOOLS.

Public Schools, Quarter Ending 1903.

Quarter Ending	Daily Attendance.	Number of School Days.	Number of Schools.	Number of Visits to Schools.	Number Examined.	Number Excluded.
1903.						
March 31	225,307	58	139	11,973	2,088,838	22,813
June 30	225,307	59	139	13,892	1,279,028	8,091
September 30	236,326	10	140	2,439	281,558	1,101
December 31	237,182	61	141	14,690	1,737,104	4,097

Parochial Schools, Quarter Ending 1903.

Quarter Ending	Daily Attendance.	Number of School Days.	Number of Schools.	Number of Visits to Schools.	Number Examined.	Number Excluded.
1903.						
March 31	32,823	58	46	2,793	215,580	2,275
June 30	32,823	59	46	2,510	141,650	601
September 30	34,585	10	45	508	36,430	90
December 31	34,585	60	44	2,740	178,487	170

American Female Guardian and Industrial Schools, 1903.

Quarter Ending	Daily Attendance.	Number of School Days.	Number of Schools.	Number of Visits to Schools.	Number Examined.	Number Excluded.
1903.						
March 31	12,203	58	30	1,555	97,000	1,536
June 30	12,203	59	31	1,581	50,519	440
September 30	11,623	10	29	327	13,518	55
December 31	11,606	61	30	1,376	59,618	222

Kindergarten Schools, Quarter Ending 1903.

Quarter Ending	Daily Attendance.	Number of School Days.	Number of Schools.	Number of Visits to Schools.	Number Examined.	Number Excluded.
1903.						
March 31	2,861	58	41	1,927	24,018	201
June 30	2,969	59	42	1,989	13,056	96
September 30	2,703	10	34	340	2,168	7
December 31	2,703	61	41	1,491	16,917	26

Private Schools, Quarter Ending 1903.

Quarter Ending	Daily Attendance.	Number of School Days.	Number of Schools.	Number of Visits to Schools.	Number Examined.	Number Excluded.
1903.						
March 31	80	53	1	51	61	3
June 30	80	41	1	30	151	..
September 30	92	6	1	6	84	..
December 31	393	61	3	80	551	2

Table Showing Diseases for Which Children Were Excluded in All Schools.

	March 31.	June 30.	September 30.	December 31.
Diphtheria	366	78	4	62
Scarlet fever	12	20	5	8
Measles	31	87	4	46
Varicella	254	271	8	140
Pertussis	103	70	7	21
Miscellaneous	3,247	1,094	36	351
Parasitic	5,339	1,952	231	1,154
Contagious eye disease	16,550	5,167	919	2,628
Contagious skin disease	926	489	39	107
Total	26,828	9,228	1,253	4,517

Under the card index system the number of exclusions has been reduced almost ninety-eight per cent.

The following table shows the number of cases on index cards in the school year 1902 and 1903 and in school year 1903 and 1904:

	May 31, 1903.	Sept. 25, 1903.
Diphtheria	42	2
Measles	37	3
Scarlet fever	4	3
Pertussis	38	4
Varicella	138	4
Mumps	426	3
Pediculosis	52,571	20,888
Trachoma	17,710	9,605
Acute conjunctivitis	3,066	2,364
Acute coryza	1	6
Scabies	82	56
Ringworm	602	181
Impetigo	238	180
Favus	39	14
Molluscum contagiosum	21	14
Tonsillitis	457	39

A culture is taken from the throat of each child showing evidence of tonsillitis, and the patient is excluded from school. If the culture shows the presence of Klebs-Loeffler bacilli, the Medical Inspector of the school is notified and the child is entirely under the supervision of the district Medical Inspector of Contagious Diseases; if the culture proves negative the report is sent to the Medical Inspector of the school who visits the child at its home, and if nothing further of a contagious nature has developed the child is permitted to return to school.

Children showing acute nasal discharge are treated as suspicious diphtheria until the result of the culture is received.

Trial Cultures.

On January 10, 1903, the Medical Inspectors of schools were ordered to take culture from all cases showing slight redness of the throat and hypertrophied tonsil. From January 10, 1903, until April 4, 1903, the following results were obtained:

Number of cultures	11,451
Number showing Klebs-Loeffler bacilli	757
Number showing no Klebs-Loeffler bacilli	10,376
Number showing doubtful bacilli	318
Total	11,451

School Nursing System.

Consists of a Supervising Nurse and School Nurses.

The Supervising Nurse arranges the schools in groups and assigns thereto a Nurse and has general control of the work.

At a definite hour each day the Nurse must be present at her school. Her duties are to attend to the children sent to her by the Medical Inspector in charge of the school.

A record is kept by the Nurse of all children treated and the number of revisits that are made to her.

The following cases are the only ones which the Nurse is to treat: Pediculosis, conjunctivitis, ringworm, impetigo, favus, molluscum contagiosum, scabies. Each disease is known by a code number.

Definite rules are set down for the treatment of these, a copy of which is given to each Nurse for each of her schools.

Children who had been excluded by the Inspector and do not return on the day stated on back of the exclusion card, are visited by the Nurse to ascertain the cause of absence. Advice is given to the parents as to the proper procedure in the case, and if the child still refuses to return to school, the case is treated as one of truancy.

When not otherwise assigned the Nurses are to visit families and instruct parents in hygiene and nursing.

Table Showing Work Performed by the School Nurses.

	March 31.	June 30.	September 30.	December 31.
Number of treatments to cases of pediculosis	10,204	45,427	6,921	94,334
Number of treatments to cases of contagious eye affection	29,300	36,687	2,615	37,655
Number of treatments to cases of eczema	1,458	827	127	967
Number of treatments to cases of ringworm	2,083	3,974	82	2,359
Number of treatments to cases of scabies	76	87	30	142
Number of treatments to miscellaneous	4,092	1,639	113	4,594
Total number of treatments to cases	47,213	88,641	9,888	140,051
Old cases	.....	7,209	5,085	114,996
New cases	.....	17,432	4,803	25,055
Visits to tenement houses	3,232	4,754	299	4,606
Visits to schools	2,272	3,662	574	4,590
Visits, miscellaneous	.....	.....	17	276
Total number of visits	5,504	8,416	890	9,472

* Not recorded.

Trachoma Hospital.

After the first four weeks of routine inspection of schools had passed, the number of cases of trachoma excluded from school on account of this disease was so great that the special hospitals and dispensaries throughout the borough were so overcrowded with these cases that it was almost impossible to treat any other class of patients within the allotted time. This condition was not satisfactory to the hospital authorities nor was it agreeable to the Health authorities, inasmuch as these children were deprived of the opportunity of education until they could show satisfactory evidence of treatment.

It was then that the Department conceived the idea of founding a special hospital for the treatment of trachoma. Such a hospital was opened on December 16, 1902, at the foot of Gouverneur street. The beneficial results that have been attained at this hospital, the great number of patients treated and the fact that not one accident has occurred in all the operations that have been performed in the hospital under ether anaesthetization, is a source of gratification to the Department of Health.

Dr. H. W. Wootton, who has had supervision of the work at the Trachoma Hospital, has forwarded the following report in regard to the ophthalmological work of the Department for the year 1903:

"Shortly after January 1, on account of the rapid increase in the number of patients applying for treatment at the Department Hospital for Contagious Eye Diseases, the staff was considerably enlarged. Operations were performed both in the morning and afternoon, four operators being employed and four anaesthetists. In the dispensary, two physicians were in attendance in the morning and two in the afternoon, in order to conduct the subsequent treatment of cases operated upon, and to treat those cases of trachoma in which operation was not considered necessary. The staff of nurses was increased to six, two for ward duty, two for duty in the operating room,

and two in the dispensary. This arrangement was continued until June, during which time 12,839 patients were treated, of which 2,761 were submitted to operation. In June, on account of the fact that the term of service of three men had expired, the staff was reduced, the operators being three in number, and during the month of June, 1,008 patients were treated, 279 of whom were operated upon. With the closing of the schools from July 1 until September 15, the attendance at the hospital naturally diminished, there being no means by which the Department could compel patients to attend. Nevertheless, 353 cases of trachoma and 763 cases of acute catarrhal conjunctivitis applied for treatment, and of the cases of trachoma 150 were operated upon. The staff was still further reduced during this period on account of vacations allowed to the attending physicians, but one operator being in attendance. From September 15 to November 20, the staff consisted of five oculists and two anaesthetists. Two of the oculists performed the operations, the other three treated the patients in the dispensary. During this time 1,924 cases of trachoma were treated, 719 of whom were operated upon. The statistics of the hospital from January 1 to November 20, are, therefore, as follows:

	Trachoma.	Operations.
January 1 to June 1.....	12,839	2,761
June 1 to July 1.....	1,008	279
July 1 to September 15.....	353	150
September 15 to November 20.....	1,924	719
Total	16,124	3,909

During this period, 2,331 children with eye affections other than trachoma visited the hospital. This number consisted for the most part of cases of acute catarrhal conjunctivitis, which disease was especially prevalent during the summer months. Adding this number to the number of cases of trachoma, we see that 18,455 children applied for treatment during the period mentioned. In practically all of these cases it was necessary for the patients to visit the hospital many times, and the total number of visits to the hospital during this period equalled 106,040.

Tedious and unsatisfactory as the treatment of trachoma undoubtedly is, and deceptive as statistics of necessity frequently must be, a comparison of the work done in the earlier with that of the later months, would seem to show that considerable progress has been made in diminishing the prevalence of this disease among the school children of this city. The fairest comparison is that of the number of new cases applying for treatment in January and February with the number applying in September and October, in both of which periods, from the fact that the figures represent the results of the first inspections during two successive school terms, the proportion of cases might be expected to be greater than during subsequent periods and to be fairly comparative. During the first period, the number equalled 5,212; during the second, 1,641, a reduction of two-thirds, which, with all due allowance for statistical errors, must be regarded as being exceedingly satisfactory.

In regard to the method of operating the consensus of opinion among the physicians in attendance seems to be that the best results are obtained by using first Jameson's trachomatomes, followed by the Noyes's and Prince forceps. The trachomatomes scarify the conjunctiva superficially, at the same time removing a large number of the superficial granules. Those more deeply situated are then expressed with Noyes's forceps and the Prince ring forceps are finally used to remove granules situated in the canthi, for which purpose their shape is particularly well adapted.

Bi-chloride of mercury (1-500) is rubbed into the lids after operation. All cases operated upon are treated subsequently in the dispensary until all hypertrophy of the conjunctiva has disappeared. The non-operative treatment has resulted in the comparison of three methods, that by sulphate of copper, by bi-chloride of mercury, and by formalin. Of these, the best results have been obtained with sulphate of copper. In regard to bi-chloride of mercury (1-500 rubbed in with a cotton pledget), I have not been able to convince myself that the results were due to anything more than friction and consequent gradual expression of the granules. In the first few days succeeding operation, however, this treatment is of service, I think, and tends to limit post-operative infection. Formalin (1-3000) seemed of little service, and its use has been abandoned.

A few remarks on the results obtained by operation may not be out of place. In general, the results have been very good, but an extended observation has convinced me that a careful selection of cases must be instituted if we are to hope for the greatest benefit to our patients. The common practice at present among oculists is to operate upon cases presenting many granules, and to treat those with fewer granules by non-operative means. I am convinced that the method is not the best to pursue. The probability of a successful result depends largely upon the proportion of hard granules to soft, and the surgeon will find that his chances of success increase in proportion as the latter exceed the former. It is frequently impossible to remove the harder granules, when deeply seated, by any means short of the actual destruction of the mucous membrane, and if any considerable number be left behind, we find frequently, in two or three weeks, the patient will exhibit a relapse, and that his condition will be really worse than before operation. Cases in which the greater part of the palpebral conjunctiva is involved and which present a relatively large number of hard trachoma granules, are not, in my opinion, well adapted for operative treatment. Non-operative treatment by means of the pencil of sulphate of copper is often exceedingly satisfactory, but here again the chances of success depend apparently upon the presence of a relatively small number of hard granules.

The work of this hospital, as has been seen, has been very extensive, but it has drawn its patients largely from one section of the city. At the time of writing this report a second Trachoma Hospital is under construction by the Department. This hospital is situated at One Hundred and Eighteenth street and Pleasant avenue, and will be in the midst of a district the school children of which are extensively afflicted with the disease. It will be ready for operation about January 1, and, with both hospitals, the prospects seem very bright for a further reduction in the percentages of cases during the ensuing year.

Table Showing Results of Work at Trachoma Hospital.

	March 31.	Quarter Ending, 1903. June 30.	September 30.	December 31.
Number of children treated.....	7,913	4,924	1,136	1,963
Number treated by operation.....	1,563	1,454	405	915
Number treated without operation..	6,350	3,470	731	1,048
Number of revisits for subsequent treatment	25,088	38,998	26,719	39,025
Number of treatments.....	33,001	43,922	27,855	40,988
Number examined not having trachoma	*.....	505	1,571	1,045

*Not recorded.

Vaccinations.

Vaccinations are performed by the Medical Inspectors in districts and by special assignment.

The corps is divided into squads, and each squad is in charge of a Medical Inspector, who assigns the time and place for work to be performed. He receives the result of the day's vaccination from each Inspector in his squad, which is then forwarded to the Central Office.

Special Assignments.

1. School vaccinating.
2. Central and branch office vaccinating.
3. Daily vaccinating at the Municipal Lodging House.
4. Vaccinating in Workhouse on Blackwell's Island daily, except Sunday.
5. Special assignments to vaccinate in houses or place from which a case of smallpox has been removed and at his place of business.

Table Showing the Number of Vaccinations Performed in Districts, Schools, Special Vaccinations and Office and Number of Places Visited.

Quarter Ending 1903.	Number of Primary Vaccinations.	Number of Recorded Vaccinations.	Number of Vaccinations in Schools.	Total.	Number of Vaccination Certificates Issued.	Visits to Tenements.	Miscellaneous Visits.
March 31	3,229	37,727	6,774	47,730	976	9,353	3,313
June 30	6,998	26,395	8,760	42,153	1,108	7,399	797
September 30	2,115	18,192	528	20,835	1,412	563	41
December 31	3,849	39,068	10,106	53,023	3,441	7,892	1,209

District vaccinations are performed on Saturdays and school holidays by the Inspectors who are assigned to school duty.

Summer Corps.

In beginning the summer corps work of 1903 it was thought that better results could be obtained by visiting the parents of all children the record of whose birth had been reported at the Bureau of Vital Statistics from August 1, 1902, to June 30, 1903.

These names were written on file cards, with record number of birth, name of the father of the child, the nationality of the father, and date of birth with address. In addition an envelope addressed to the father was also made out. In these envelopes was inclosed a pamphlet, "How to Keep the Baby Well," and mailed to the father. These pamphlets were written in English, Italian, Yiddish and German, appropriate pamphlets being sent according to the nationality. This is the form and information issued:

DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK,

55th Street and Sixth Avenue.

(Telephone, 1204 Columbus.)

TO KEEP THE BABY WELL.

1. NURSE it: Nothing equals mothers' milk for a baby food. If you cannot nurse the base use *fresh milk*, which in hot weather has *been boiled* and prepared according to directions. (A circular of directions will be sent on application to the Department of Health.) Nurse the baby part of the time, if you cannot nurse it all the time. Do not give it condensed milk or any prepared babies' food.
 2. FEED OR NURSE IT AT REGULAR INTERVALS, not more than once in three hours after it is six weeks old. Don't feed it simply because it cries. Decrease the amount of milk on very hot days. Too much food and too frequent feeding are among the commonest causes of sickness.
 3. BATHE IT DAILY: The glands of the skin carry off nearly as much poisonous matter as the bowels. They both must be kept open in hot weather. Dry the skin well after bathing.
 4. AIR it: Out of door air is necessary. Keep the head shaded from the direct sunlight. In hot weather take the baby out early in the morning before 9 o'clock, when it is cool, and again late in the afternoon and *early* evening, but not late at night.
 5. KEEP IT COOL: If it is bundled up too much in summer it will become overheated. The more nearly naked it is the better in extremely hot weather.
 6. KEEP IT IN A QUIET PLACE: A baby's nerves are very sensitive. Continued noise sometimes causes sickness.
 7. GIVE IT WATER: Between feedings give water freely, especially in hot weather. Use only water that has been boiled.
 8. GIVE NO FRUIT to a baby less than a year old. In summer give no fruit to a baby less than two years old. Fruit kills many babies.
 9. GIVE NO SOLID FOOD to a baby less than one year old. For the first year of life the food should be ALL MILK. For the second year CHIEFLY MILK.
 10. Call your own doctor, or if you have none, in summer notify at once the Department of Health if the baby has diarrhoea, or is sick, and a doctor will be sent immediately.
 11. WHEN THE BABY HAS DIARRHOEA stop all food and give only barley water until the doctor comes.
 12. Use bottled or certified milk; Straus milk, or that prepared and furnished at the various dispensaries (not grocery milk), if you cannot nurse the baby.
- NOTIFY the DEPARTMENT OF HEALTH when you move, and APPLY to it for FURTHER INFORMATION OR ASSISTANCE.

ERNST J. LEDERLE, PH.D.,

President.

HERMAN M. BIGGS, M. D.,

Medical Officer.

MANHATTAN, S. W. Cor. 55th St. & 6th Ave. Tel. 1204 Columbus.

THE BRONX, 1237 Franklin Ave., " 975 Melrose.

BROOKLYN, 38-40 Clinton Street, " 2201 Main.

QUEENS, 374 Fulton St., Jamaica, " 51 Jamaica.

RICHMOND, 54-56 Water St., Stapleton, S. I., " 210 Tompkinsville.

When all records had been transcribed for the months of December, 1902, January, February, March and April, 1903, the cards were arranged in districts and were given to Inspectors to investigate.

On the third day of this work this method had to be changed; first, on account of the removals, almost thirty per cent.; second on account of the great number found who were not reported at the Bureau of Vital Statistics.

The Inspectors were then instructed to go from house to house and turn in a history of every child found under one year of age. All sick children of whatever age were to be treated if a proper case. A birth record card was to be made out for each child not listed on the regular record cards, stating the name of child, date of birth, place of birth, present address and name and address of attending physician or midwife. Below is a copy of the form of the history card:

Name.....	Age.....	Address.....
Nationality.....	No. in family.....	{ Adults..... Children.....
No. of rooms.....	Air space.....	Sanitary condition.....
Ventilation.....	{ Windows Air-shaft	
Nutrition.....	Digestion.....	Bowels.....
Ill.....	Well.....	Vaccinated.....
Nursed.....	Months.....	Intervals.....
Artificial feeding.....	Months.....	Intervals.....
Milk.....	{ Bottled Loose Sterilized Condensed	Solid food..... Fruit
Inspected.....	1903.....	

Medical Inspector.

Six Medical Inspectors were selected on account of especial fitness to attend to children reported sick by the District Inspectors.

The orders for the treatment of these cases were carried out by the District Nurse who continued in attendance on the cases until the case was terminated by the Physician.

A form of blue card to be made out by these Physicians is given below:

Front.	
Name	Age
Residence	Nationality
Family history	Alcoholism
Tuberculosis	Syphilis
Disease	Duration
Exciting cause	
How fed	
Source of milk supply	
Digestion—Poor.	Good.
Solid food given	Fruit given
Stools—Frequency	Diarrhoea
Treatment	Character of stools

Medical Inspector.

Back.

Dates of visits:

A form of cards used by the Nurse is given below:

Front.		
Name	Age	Residence
Date First Visit		
Condition of Child		
Treatment		
Date Second Visit		
Condition of Child		
Treatment		

District Nurse.

Back.

Date Third Visit		
Condition of Child		
Treatment		
Date Fourth Visit		
Condition of Child		
Treatment		
Date Fifth Visit		
Condition of Child		
Treatment		
Case Dismissed	Cured	Improved
Unimproved		Dead

The parents of all artificially fed children were questioned as to the place where they obtained their milk. The grocery stores in the districts were all visited and a card filled out for each store examined as to the means used to keep their milk in proper condition.

The report of the condition of stores where milk was sold was made on special cards as below:

Summer Corps.	Diagram of Rooms
.....M	
.....1903	
Location	
Name	
Permit No.	Amount sold
Cans are	properly cooled
Temperature of milk	
Dipper is	clean
Store does	connect with { living rooms,
	} W. C. apartment.
Communicable disease in rooms?	Reinspected
	and sealed
	.....1903
	by
Medical Inspector.	

At each home was left a pamphlet on the "Care of Infants and Young Children During the Summer" and a "Card Hanger" giving the tables for the preparation of feedings for child. A copy of this hanger is here given.

Front

DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK.

Borough of Manhattan.

Preparation of Food for Babies.

KEEP THIS CARD AND HANG IT UP IN KITCHEN.

1. From a fresh quart bottle of milk, carefully pour off the amount of top milk directed in the table below, taking as much of the cream as possible. Place this with the sugar and barley water, or boiled water, in a clean jar or agate ware pail; place the jar or pail in a larger pail containing four or five inches of water; place this on the stove and allow the water surrounding the milk to boil for ten minutes; remove from the stove and allow to stand for ten minutes, then place in cold water so as to cool quickly. This is the whole day's milk supply for the baby. Keep this covered in the ice-box, and fill the baby's bottles, which had previously been cleaned, as needed.

2. Milk, specially prepared for babies, may be procured at the Straus' Milk Depots.

Straus' Milk Depots.

151 Avenue C,	65 Market street,
241 East Fifty-ninth street,	235 West Sixtieth street,
Hebrew Institute Roof Garden (Jefferson	Foot of East Twenty-fourth street,
street and East Broadway),	Foot of West Fiftieth street,
Foot of East Third street,	City Hall Park.
Foot of Barrow street, North river,	Central Park (near Arsenal),
Battery Park,	305 East One Hundred and Fourteenth
Tompkins square.	street.

3. Ice may be obtained from Herald Free Ice Depots.

Under Three Months of Age.

Quantity for each feeding.	Mixture.
At birth, ½ to 1½ oz.	9 oz. of milk from top of bottle,
One month, 2 to 2½ oz.	27 oz. of boiled water,
Two months, 3 to 3½ oz.	6½ heaping teaspoonfuls of granulated or milk sugar.
Three months, 3 to 4 oz.	Feed every 2¼ hours during day, beginning at 6 a. m., and giving last feeding at midnight. (Nine feedings in 24 hours.)

(One half pint equals eight ounces. Two tablespoonfuls equal one ounce.)

From Three to Six Months.

Quantity for each feeding.	Mixture.
Four months, 5 oz.	16 oz. of milk from top of bottle,
Five months, 5½ oz.	27 oz. of barley water,
Six months, 6 oz.	6½ heaping teaspoonfuls of granulated or milk sugar.

Feed every three hours during the day, beginning at 6 a. m., and giving last feeding at midnight. (Seven feedings in 24 hours.)

The barley water prepared by boiling an even tablespoonful of Robinson's barley flour in one pint of water for twenty minutes. Strain and add boiled water to make one pint.

From Sixth to Ninth Month.

Quantity for each feeding.	Mixture.
Seven months, 6½ oz.	24 oz. of milk from top of bottle,
Eight months, 7 oz.	24 oz. of barley water,
Nine months, 7½ oz.	6 heaping teaspoonfuls of granulated or milk sugar.

Feed at three hour intervals. (Six feedings in 24 hours.)

From Ninth to Twelfth Month.

Quantity for each feeding.	Mixture.
Ten months, 8 oz.	35 oz. of milk,
Eleven months, 8½ oz.	10 oz. barley water,
Twelve months, 9 oz.	6 heaping teaspoonfuls of granulated or milk sugar.

Feed at 3½ hour intervals. (Five feedings in 24 hours.)

Back.

1. Feed the baby regularly and on time, and not whenever it cries.
2. Don't give the baby any kind of raw food, or any kind of fruit.
3. Don't give the baby coffee, tea, beer or any liquor, or any food, except as prescribed on the other side of this card.
4. Bathe the baby every morning in cool or lukewarm water, and in hot weather two or three times during the day. Always wash baby when the diaper is changed.
5. See that the baby's bowels move every day.
6. The baby should sleep alone in a crib.
7. For diarrhoea, give two teaspoonfuls of castor oil, STOP THE MILK FOR 24 HOURS, and give the baby barley water only.
8. Send for a doctor at once if the baby is sick.
9. If you cannot pay for a doctor, take the baby to the nearest dispensary, or telephone or send to the Board of Health, Sixth avenue and Fifty-fifth street, for a doctor. (Telephone, 1204 Columbus.)
10. The rooms should be free from garbage and clean. Remove soiled pieces of carpet and unnecessary clothing and furniture.
11. The fire should be put out as soon as possible, so as not to heat the rooms.
12. The bedding must be kept clean. All coverings for the child should be of washable material and kept clean and well aired. Heavy Comforters should not be used.

Sunstroke circulars are distributed in every house in the district.

A copy of the form of sunstroke circular is given below:

Send at Once for an Ambulance and the Nearest Physician.

DEPARTMENT OF HEALTH, CITY OF NEW YORK.

Sunstroke and Heat Prostration.

Cause—

Sunstroke is caused primarily by excessive heat. The constant drinking of alcohol, or even a single excess, is one of the greatest of the contributing causes. Other contributing or predisposing causes are over exertion or exhaustion, excitement, loss of sleep, worry, lack of ventilation of sleeping or living rooms, overeating or the eating of indigestible foods. It is more apt to occur among those whose work exposes them to direct rays of the sun, and especially between the hours of 11 a. m. and 4 p. m.

Prevention—

Avoid, if possible, prolonged exposure to the sun's rays. On hot days wear thin clothing. If obliged to work in the sun, wear a light colored, well-ventilated hat, with at least an inch of space between the top of the head and top of hat. Wet the hair at frequent intervals with cold water. Have as much air as possible in sleeping rooms. Take baths often, at least once daily. Drink considerable quantities of cool water (not ice water), for the purpose of inducing perspiration. Free perspiration prevents the body from becoming overheated.

If a feeling of dizziness, headache, nausea, or exhaustion occurs, lie down in a shady place, and apply cold water to head, face and neck.

Treatment—

IF SUNSTROKE, THE SKIN WILL BE HOT AND DRY. Remove the patient to the nearest shade. Place in a sitting position against a tree, wall, or anything that will support the back; loosen collar, necktie, and all tight clothing. Pour cold water over the head and face, and if very hot, rub body with pieces of ice. If the patient is able to swallow, give cool drinks of water. Do not give alcoholic stimulants.

IF PROSTRATED BY EXHAUSTION AND EXCESSIVE HEAT, THE PERSON WILL BE PALE AND FAINT. Remove to the nearest shade, place on the back with head on a level with the body. Loosen all tight clothing. Rub the hands and feet until circulation is restored. Bathe face and body with warm water, and apply warm cloths to the latter. Give hot drinks, tea, coffee, milk or water.

BY ORDER OF THE BOARD,

ERNST J. LEDERLE, Ph. D., PRESIDENT.

EUGENE W. SCHEFFER, SECRETARY.

Dispensaries were established on five recreation piers and Physicians assigned to this duty from 3 to 5 p. m. each afternoon except Sunday.

Regular assignments were made of a Physician to examine all children before going on the boat of the St. John's Guild.

Special assignments were made to the various societies' outings requesting a Physician.

Special examinations were made of children in the summer schools for orthopaedic deformity and errors of refraction.

Table Showing Results of Summer Corps Works.

Number of visits to cases	29,772
Number history cards completed	29,772
Number gastro-enteric cases found	2,258
Number other diseases found	580
Number "Herald" free ice tickets distributed	523
Number circulars distributed	43,951
Number St. John's Guild tickets distributed	3,549
Number St. John's Guild tickets received on boat	544
Number children examined at pier for St. John's Guild	30,812
Number Straus milk tickets distributed	3,035
Number milk inspections	2,458

Number visits to tenement houses	18,759
Number visits to schools and institutions	3
Number visits to hotels	1
Number visits to private houses	127
Number miscellaneous visits	6,739

Total visits..... 25,629

Table Showing How Children Under One Year of Age Were Fed.

Number of children examined	27,100
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Number nursed or fed with modified sterilized milk.....	23,078
Number fed with condensed milk and patented food.....	1,904
Number fed with loose milk.....	2,118
	27,100

Table Showing the Number of Births Not Reported to the Bureau of Vital Statistics.
(Statistics estimated from work performed from July 29, 1903, to September 11, 1903.)

Number of children examined who were born from January 1, 1903, to May 31, 1903.....	8,194
Number of children born at present address and not reported at the Bureau of Vital Statistics.....	763
Percentage of births not reported.....	21 33-100

Table Showing Result of Examination of School Children for Orthopaedic Deformity.	
Total number examined.....	1,061
Total with deformity of feet.....	163
Total with deformity of spine.....	326

Refractive Errors.	
Total number examined.....	981
Vision 20-30 or less in one eye.....	67
Vision 20-30 or less in both eyes.....	228

Glanders.

During March, 1903, the number of glandered horses having increased, the number of Veterinarians attached to this Division was increased to ten, and the following methods adopted to stamp out the disease. Three of the Veterinarians and three Sanitary Police Officers were detailed at the offal dock, at the foot of West Thirty-ninth street, in order to have at this place, at all hours of the day and night, a Veterinarian and a Sanitary Officer, and their duties were as follows:

A. To examine each dead horse brought by the "dead wagon" in order to ascertain whether death had been due to glanders. If, in their opinion, it was a glandered horse, the Sanitary Officer on duty at the offal dock was sent to verify the address from which the horse had been removed, as shown by the tag fastened to the ear of the dead horse by the driver of the "dead wagon."

If the address of the stable was not noted upon the tag, but only the locality from which the horse was removed, the officer endeavored to locate the stable by inquiry in that locality.

B. To examine every horse led to the offal dock to be destroyed (except those sent by a Veterinarian of this Division), and when a case of glanders was found, the Sanitary Officer accompanied the person who led the horse in order to verify the address of the stable from which the horse had been removed. The Sanitary Officer, before leaving the offal dock to verify the address of stables, notified the Twentieth Precinct Police Station and had an officer relieve him at the dock and remain until his return.

When a person who led a glandered horse to the offal dock refused to give the stable address or pleaded ignorance of same, he was placed under arrest until he explained how he came in possession of the animal and gave information that led the Officer to locate the stable.

Every case of glanders (alive or dead) diagnosed at the offal dock by the Veterinarian, as soon as the stable address was verified by the Sanitary Officer, was reported to this office by telephone, the following facts being given: Description of horse, name and address of owner, location of stable, and name of the owner of stable. (A written report of each case was filed at the Central Office the following morning.)

When the report of a case of glanders (alive or dead) was received from the offal dock by telephone at this office, a Veterinarian was sent to the stable from which the case had been taken, and it was his duty to, first, examine all horses belonging to that stable (if some horses were out at his first visit, he must revisit stable), in order to ascertain whether or not any had been infected, and to condemn any that he found suffering from glanders. Second, to leave at the stable in a sealed envelope, for the Disinfector of the Department, a written order stating what was to be done in regard to the disinfection of the stall occupied by the glandered horse, the strength of the bichloride solution to be used in washing down the wood-work of the stall; what portions of the stall were to be torn out for removal and destruction, after disinfection; whether any of the following articles in the stable had been infected, viz.: Watering trough, harness, sponges, brushes, surcingle, halter, stable blanket, etc., and, if any had been infected, what was to be done in the way of disinfection or destruction. Also, what was to be done with infected metal feed boxes, watering troughs, etc., in the stable.

Every case of glanders and all suspicious cases reported to this Department were promptly visited (day or night) by a Veterinarian, and if a diagnosis of glanders was made the animal was condemned and sent to the offal dock to be destroyed. If a diagnosis could not be made, the case was kept under observation or a mallein test requested. In every instance where a horse was condemned, all the horses belonging to the stable were examined, and written instructions left for the Disinfector as noted above. When several cases of glanders, or several suspicious cases were found in a stable, all the horses in that stable were subjected to the mallein test. Three or four of the Veterinarians were detailed to attend to this duty, and the methods employed will be explained in full later on.

Regular visits were made by the Veterinarians to the large sales stables, immediately before their regular sales, and a Veterinarian was detailed with a Sanitary Officer to the horse sales at the "Rocks," an open lot at Ninety-ninth street and First avenue, every Wednesday and Saturday, where the lowest class of licensed vender type exchange horses. When a glandered horse was found the Sanitary Officer accompanied the nominal owner and verified the address of the stable, and when this was done the Veterinarian visited the premises and proceeded as noted above.

At first, every animal condemned by a Veterinarian was led to the offal dock to be destroyed, and the person who led the horse received a card signed by the Veterinarian who diagnosed the case. On this card was noted the fact that the horse had been condemned on account of glanders and on that date, and this card was given to the Officer on duty at the offal dock. Later (about April 6), the Veterinarian who condemned a horse, left at the stable an official order for the destruction of the animal in front of the premises by an officer from the American Society for the Prevention of Cruelty to Animals. On this order the Veterinarian noted a description of the horse, location of stable, name and address of owner of horse, etc. As soon as this office was notified by the Veterinarian that a horse was to be destroyed, a request was telephoned to the American Society for the Prevention of Cruelty to Animals to send an officer to destroy the horse, and the local police precinct was requested to send an officer to watch the animal until removed in "dead wagon," and the offal dock was promptly notified to send wagon.

In order that the condemned glandered horse might be identified, the Veterinarian fastened a tag to the tail with colored tape and also left a tag to be attached to the ear of the animal after being shot; on this tag was noted the address of the stable and the name of the Veterinarian, etc.

A Sanitary Officer was sent to destroy every glandered horse condemned by one of our Veterinarians and the Officer now returns the order left by the Veterinarian (after signing it), and it is filed with other records of the case.

All infected harness, metal feed boxes and watering troughs were washed with hot soda solution (about 1/2 lb. soda to 3 gallons of water), and also infected halters, brushes, sponges, stable sheets, blankets, etc. Infected wooden flooring, and sides of stalls, wooden mangers, etc., were washed down with 1-1,000 solution bi-chloride and torn out by the Disinfector and removed by the Department and burned.

The following report presents the results of the mallein test as applied during the months of March, April, May and June, 1903.

When, in the opinion of any of the Veterinarians, it was necessary to use the mallein test, one or more Sanitary Officers were sent to the stable about 4 or 5 a. m. to prevent the removal of the horse from the stable until the arrival of the Department Veterinarians. Where there were many horses in the stable to be tested, or where it was thought horses might be exchanged, they were branded on the hoof numerically.

The temperature of the horse, or horses, was taken every three hours for a period of twelve hours; a 2 1/2 cc. dose of mallein was then injected, subcutaneously, into the neck of the horse and the temperature again taken every three hours for the twelve hours

immediately following the injection. If the characteristic reaction of increased and persistent high temperature, accompanied by a large, tense and painful swelling at the site of injection ensued, the horse was condemned and shot, and, in all feasible cases, a post mortem examination made.

When reaction followed, but was not characteristic, the horse was kept under observation and subjected to a retest.

March.

Number of horses injected.....	90
Number died after injection.....	2
Number condemned, post mortem examination made.....	1
Number recovered, or "no case".....	87
(a) Reaction observed.....	30
(b) No reaction observed.....	56
(c) Kept under observation for retest.....	1

Post mortem results—

Bacillus mallei found, one case.

The two cases dying after injection gave results as follows:

1. Bacillus mallei not found, farcy buds developed after injection, no autopsy.
2. Autopsy negative.

April.

Number of horses injected.....	247
Number died after injection.....	1
Number condemned, post mortem examination made.....	16
Number condemned, specimen from post mortem not in condition for examination.....	7
Number condemned, no post mortem.....	8
Died from distemper, after injection.....	4
Number recovered, or "no case".....	211
(a) Reaction observed.....	33
(b) No reaction observed.....	158
(c) Kept under observation for re-test.....	20

Post mortem results—

Bacillus mallei found, eight cases.

Bacillus mallei not found, nine cases.

(a) Few calcified nodules in lungs, submaxillary and bronchial nodes enlarged, one case.

(b) Few staphylococci isolated from few softened ares in submaxillary gland, one case.

(c) Few whitish centres in liver, one case.

(d) Congested bronchial nodes, one case.

(e) Few congested lymph nodes, one case.

(f) Large abscess in lung tissue, one case.

(g) Autopsy negative, three cases.

May.

Number of horses injected.....	191
Number condemned, post mortem examination made.....	20
Number recovered, or "no case".....	171
(a) Reaction observed.....	55
(b) Reaction not observed.....	105
(c) Kept under observation for re-test.....	11

Post mortem results—

Bacillus mallei found, two cases.

Bacillus mallei not found, eighteen cases.

(a) Mediastinal glands slightly enlarged, one case.

(b) Glands enlarged, grayish consolidation in lungs, one case.

(c) Nodules in lungs, four cases.

(d) Lungs congested, four cases.

(e) Congested lungs with calcified nodules, one case.

(f) Congested lungs with abscesses, one case.

(g) Congested lungs with enlarged submaxillary and mediastinal glands, one case.

(h) Autopsy negative, five cases.

June.

Number of horses injected.....	88
Number condemned, post mortem examination made.....	10
Number recovered, or "no case".....	78
(a) Reaction observed.....	75
(b) No reaction observed.....	2
(c) Kept under observation for retest.....	1

Post mortem results—

Bacillus mallei found, three cases.

Bacillus mallei not found, seven cases.

(a) Lungs consolidated, two cases.

(b) Nodules with whitish centers in lungs, one case.

(c) Congested lungs with nodules, one case.

(d) Calcified nodules in lungs, one case.

(e) Autopsy negative, two cases.

Summary.

Total number of horses injected.....	616
Total number died after injection, post mortem examination made.....	3
Total number condemned.....	62
(a) Post mortem examination made.....	47
(b) Specimen from post mortem not in condition for examination.....	7
(c) No post mortem examination made.....	8
Total number died from distemper, after injection.....	4
Total number recovered, or "no case".....	547
(a) Reaction observed.....	193
(b) No reaction observed.....	321
(c) Kept under observation for retest.....	33

Post mortem results—

Bacillus mallei found, fourteen cases.

Bacillus mallei not found, thirty-six cases.

(a) Characteristic lesions shown, twenty-five cases.

(b) Autopsy negative, eleven cases.

Table Showing, by Weeks, Number of Glandered Horses Condemned During 1903.

Week Ending	Week Ending	Week Ending	Week Ending
Jan. 3..... 5	Apr. 4..... 13	July 4..... 14	Oct. 3..... 18
Jan. 10..... 13	Apr. 11..... 20	July 11..... 24	Oct. 10..... 17
Jan. 17..... 9	Apr. 18..... 53	July 18..... 30	Oct. 17..... 26
Jan. 24..... 17	Apr. 25..... 51	July 25..... 14	Oct. 24..... 17
Jan. 31..... 12	May 2..... 14	Aug. 1..... 21	Oct. 31..... 15
Feb. 7..... 8	May 9..... 34	Aug. 8..... 30	Nov. 7..... 17
Feb. 14..... 4	May 16..... 15	Aug. 15..... 21	Nov. 14..... 10
Feb. 21..... 14	May 23..... 19	Aug. 22..... 19	Nov. 21..... 9
Feb. 28..... 8	May 30..... 17	Aug. 29..... 16	Nov. 28..... 9
Mar. 7..... 6	June 6..... 22	Sept. 5..... 7	Dec. 5..... 12
Mar. 14..... 7	June 13..... 38	Sept. 12..... 13	Dec. 12..... 14
Mar. 21..... 21	June 20..... 25	Sept. 19..... 29	Dec. 19..... 15
Mar. 28..... 27	June 27..... 31	Sept. 26..... 25	Dec. 26..... 11
First Quarter... 151	Second Quarter... 352	Third Quarter... 263	Fourth Quarter 190

Glanders.

	1901.	1902.	1903.
Animals examined.....	18,423	19,862	42,622
Glandered horses condemned.....	363	470	975
Post mortems.....	113	212	286

All stables visited by the Veterinarians that were found to be in bad sanitary condition were referred to the Division of Inspections, and many orders were made in regard to

- Light and ventilation.
- Sanitary flooring and drainage.
- Storing and removal of manure.
- Vacating of many stables, especially those in cellars.

Section 75 of the Sanitary Code was adopted during the summer of 1903 and is as follows:

"No cellar in The City of New York shall be occupied as a stable for horses, cattle or other animals without a permit from the Board of Health."

There is no doubt that the infection of glanders is often spread by means of the watering troughs placed in various parts of the City, and it would be of great benefit to all concerned if an ordinance was passed compelling all drivers to carry pails and use them in watering their horses, and abolishing all watering troughs and fountains and substituting hydrants.

Respectfully submitted,

A. BLAUVELT, M. D., Chief Inspector.

Department of Health—Borough of Manhattan, }
Division of Bacteriology. }

Dr. WALTER BENDEL, Assistant Sanitary Superintendent, Borough of Manhattan:
Sir—I have the honor to submit the following report of the work done during 1903 by the Diagnosis Laboratory and office of the Division of Bacteriology:

The present working staff consists of the Assistant Director, five Assistant Bacteriologists, twelve Medical Inspectors, five Clerks, two Office Boys, thirteen Laboratory Assistants and one Cleaner. The following changes and additions were made during the year:

- Dr. C. M. Meyer, Assistant Bacteriologist, resigned March 5, 1903.
Dr. A. I. Weil, Assistant Bacteriologist, appointed April 17, 1903; services dispensed with October 5, 1903.
Dr. H. W. Patterson, Assistant Bacteriologist, appointed April 17, 1903.
Dr. L. Rosenwasser, Medical Inspector, dismissed on charges January 19, 1903.
Dr. H. B. Jones, Medical Inspector, assigned to Division June 1, 1903; transferred August 8, 1903.
Dr. H. G. MacAdam, Medical Inspector, assigned to Division September 1, 1903.
Dr. S. Tannenbaum, Medical Inspector, assigned to Division September 1, 1903.
Dr. P. Ernst, Medical Inspector, assigned to Division November 4, 1903.
Dr. E. G. Bryant, Medical Inspector, assigned to Division November 4, 1903.
Victor Koenig, Laboratory Assistant, appointed April 17, 1903.
John B. Byrne, Laboratory Assistant, appointed May 27, 1903.
William Goldfinger, Office Boy, appointed June 3, 1903.
A. B. Irving, Office Boy, appointed June 24, 1903.

The statistical report of the work done is given on a separate sheet; the figures are given from January 1, 1903, to October 1, 1903, and also for the whole of 1903. Wherever possible the corresponding figures are given for 1902. In some cases the particular work done was only begun in 1902 or 1903.

The routine work of the laboratory and office has progressed as usual. The number of complaints as to unsatisfactory nature of bacteriological diagnoses, incorrect and delayed reports, non-delivery of specimens from culture stations, etc., has been remarkably small. The general morale has been excellent; with but one or two exceptions, the inspection, laboratory and office force have taken pride and interest in their work and have cheerfully helped out in emergencies.

Attention is again called to the fact that enlargement of and improvements in the laboratory are urgently needed. At present, while the work done is satisfactory, the appearance of the laboratory and the facilities afforded the workers therein are far from a credit to the Department (See special report previously submitted). The main laboratory is fumigated at regular intervals as a matter of precaution, although no case of infection with diphtheria, tuberculosis or typhoid fever among the laboratory force has ever occurred. A supply of surgical gowns has also been purchased and will be issued to the workers in the laboratory.

Diphtheria.

The collection, examination and reporting of diphtheria cultures from all the boroughs has gone on as formerly. The system of reporting results by telephone to the Physician and the borough offices gives great satisfaction. All cases of diphtheria in the Borough of Manhattan have been plotted on a large map, showing houses in which cases occurred.

In accordance with the conclusions arrived at in the report previously submitted by the Assistant Director on "The Value of Confirmatory Cultures in Diphtheria," the system of reporting the results of primary diphtheria cultures has been greatly modified and simplified, the end in view being to make a positive statement as to the presence or absence of diphtheria bacilli in as many cases as possible, so reducing the number of indecisive cases to a minimum. The present system is as follows:

Every positive culture, whether from a person suspected of having diphtheria or from one who has only been exposed to the disease, will be reported as showing diphtheria bacilli.

Every negative culture from persons suspected of having diphtheria, where the duration of the disease is ten days or less, will be reported as probably being not diphtheria, excepting under the following conditions, when a confirmatory culture will be asked for:

- When there is no growth on the culture medium.
 - When the culture medium is completely contaminated and liquefied, and where the clinical diagnosis is diphtheria.
 - When suspicious or diphtheria-like bacilli are present.
 - When the membrane is limited to the larynx, the duration of the disease is five days or less, and the clinical diagnosis is croup or laryngeal diphtheria.
- The system went into effect April 1, 1903, and the results have been most satisfactory.

Although the old system was in use for the first three months of 1903, yet the indecisive cases have been reduced from 12 per cent. in 1902 to 5 per cent. in 1903, as shown in table of statistics.

The following table shows the comparative results obtained for corresponding periods in 1902 and 1903 in Manhattan and The Bronx:

Table I.

	April 1 to October 1, 1902.	Confirmed True.	April 1 to October 1, 1903.	Confirmed True.	April 1, 1902, to January 1, 1903.	Confirmed True.	April 1, 1903, to January 1, 1904.	Confirmed True.
True	2,856	....	3,313	....	4,510	....	4,223	....
False	2,193	28	3,362	50	4,298	39	4,651	73
Doubtful	1,115	18%	438	6%	1,852	17%	609	6%
A (too late).....	343	13	....	....	551	18	....	....
B (scanty growth).....	60	5	79	10	123	13	158	24
C (contaminated).....	99	14	32	7	205	31	59	11
D (dry)	1	....	....	....	2	....	....	....
E (suspicious)	422	55	248	48	618	87	305	66
F (laryngeal)	130	8	89	6	257	13	87	15
G (antiseptic used).....	60	9	....	....	96	12	....	....
Total confirmed true....	....	132	....	121	....	213	....	189

Comparison of the results will show that while the number of confirmatory cultures asked for in 1903 was much less than in 1902, yet the number of such confirmatory cultures showing diphtheria bacilli remained about the same, showing that such cases requiring a second culture are not overlooked.

So far not a complaint has been received as to any nonconformity of clinical and microscopical diagnosis, due to this new system. Further, mistakes on the part of the Assistant Bacteriologists have been much fewer.

Attention is called to the enormous increase in the number of cultures examined during 1903. During the first nine months of 1903, 64,000 cultures were examined as compared with 21,000 for the corresponding period of 1902. Even deducting the large numbers of trial cultures and those taken by Medical School Inspectors the increase is very great.

Medical School Cultures.

Early in the year the Medical School Inspectors began to pay special attention to taking cultures from the throats of school children; as a result the number of cultures submitted was very large, as shown in the table of figures. Epidemics of diphtheria also occurred in two large institutions (Hebrew Orphan Asylum and Protestant Episcopal Orphan Asylum) and hundreds of trial cultures were taken and examined. On one day over nine hundred cultures were examined in the laboratory. A special book of culture slips for Medical School Inspectors has been devised, the slips being sent in in duplicate, and one returned to the Inspector as a report, the other to the Division of School Inspection—thus doing away with the clerical reporting of the cases.

The examination of cultures for diagnosis and discharge from Willard Parker and Riverside Hospitals was transferred from the Research Laboratory to the Diagnosis Laboratory on October 21, 1903. These cultures are examined at 9 a. m. and the results sent by a special messenger, so as to reach the Willard Parker Hospital by 10.30 a. m., in order that all records of diphtheria cases might be kept at main office.

Brooklyn.

The table of figures shows an increase of over one hundred per cent. in the number of cultures and other specimens submitted. This is largely due to better work on the part of the Inspectors. The number of trial cultures from school children has also greatly increased.

Queens.

An increase of almost 100 per cent. is shown in the cultures, specimens of sputum, etc., from this borough.

Richmond.

Numerous complaints having been received from physicians of the Borough of Richmond of the unsatisfactory condition of the culture service there, on May 7, 1903, a regular collecting route, similar to the one in Queens, was established, and a Collector, John B. Byrne, was appointed May 27, 1903, to visit all the stations daily, including Sunday. Stations were established as follows:

- Richmond terrace and York avenue, Vredenburg.
Bay and Thompson streets, Stapleton, Feeny.
Richmond terrace, Port Richmond, Kerr.
New York and St. Mary's avenues, Rosebank, Lenz.
Main street, Tottenville, Lehman.
Shore road, Mariner's Harbor, Jones.
Sixth street, New Dorp, Brandenburg.
Collection begins at 3 p. m. from St. George, and specimens reach the Diagnosis Laboratory by 7 p. m. So far the service has given entire satisfaction.

As shown by table of statistics, a great increase has taken place in the number of specimens sent in for examination.

Administration of Diphtheria Antitoxin.

The free administration of antitoxin in cases of diphtheria, and the immunization of persons exposed to the disease has been carried out by the same Inspectors who have in charge the sanitary supervision of pulmonary tuberculosis. As the combined work has grown too heavy to be properly attended to, two new Inspectors have been assigned to these duties and the Borough of Manhattan divided into ten districts. An extra Inspector, Dr. Bryant, late Resident Physician at Willard Parker Hospital, and thoroughly conversant with intubation, has been put in charge of all intubation cases. He answers all calls with the District Inspector and the Ambulance Physician of the Hospital, follows up all cases that do not go to the Hospital and instructs the District Inspectors in the methods of intubation. No cases of abscess formation following injection of antitoxin have occurred during the year, but to ensure the best results, special cases are now used in which the syringe and needles are always boiled before use.

The tabulation of the results obtained by the Inspectors is attached. Comparison of the same with those of 1902 shows a reduction in the case mortality from 7.5 per cent. to 4.9 per cent. If the cases which were moribund when injected are excluded, the rates are 4.9 per cent. and 3.8 per cent. respectively.

The tabulation of the results obtained by physicians using Department antitoxin in cases unable to pay for the same is attached. These cases show a mortality of 10.7 per cent. (moribund deducted, 8.5 per cent.) as compared with 9.9 per cent. (moribund deducted, 6.5 per cent.) for 1902.

The new system of reporting doubtful diphtheria cultures now excludes many cases which previously were included in above figures; such cases always recovered, so that had they been included the results would be even better.

Culture Tubes and Swabs.

A much larger number of tubes and swabs was used than during 1902 (see table). Experiments have been made with a view to the rapid preparation and sterilization of serum tubes in the autoclave. The results so far have been very satisfactory, and it is hoped to utilize the method as a matter of routine early in the year. The tubes for the Borough of Richmond have been sealed with paraffine to prevent drying; the physicians express themselves as pleased with them. Rubber caps for sealing all tubes which may not be used for two or three weeks have been ordered, but have not as yet been received.

TUBERCULOSIS.

Sputum Examinations.

As shown in the table of statistics, the number of specimens of sputum examined during 1903 shows a great increase over 1902, this holding good for all boroughs.

During 1903 Ehrlich's method of staining for tubercle bacilli, as modified by H. T. Cronk, Assistant Bacteriologist, has been tried, and so far has proved superior to that now in use (Koch) for the following reasons:

1. Rapidity; specimens can be decolorized en bloc.
2. Heat not required.
3. Tubercle bacilli are not decolorized, while all other acid-fast bacilli apparently are.
4. Larger quantities of sputum can be used, and then even smears are not necessary.
5. Brighter and more distinctive staining of the tubercle bacilli. The method in brief is as follows: Thick smears on glass slides are stained with 5 per cent. carbol-fuchsin for five to ten minutes, washed in water, dried with filter paper, and decolorized and counterstained with the following solution for five minutes, washed in water and dried. Ether nitrosi C. P., ether acetic C. P., and sat. sol. methylene blue in 95 per cent. alcohol, equal part of each. The specimen can remain in the decolorizing solution for 24 hours without harm. Further observations will be made and a full report submitted.

Sanitary Supervision of Tuberculosis.

The staff of eight inspectors in charge of tuberculosis having been found insufficient, two more inspectors were assigned to duty on November 1, 1903, and the City redistricted as follows:

Battery to Canal, Division and Grand streets, east and west, Dr. Hall.
Canal and Grand to East Houston, east of Broadway, Dr. Ernst.
East Houston to Fourteenth street, east of Broadway, Dr. Tannenbaum.
Fourteenth street to Forty-second street, east of Fifth avenue, Dr. Studdiford.
Forty-second street to Eightieth street, east of Fifth avenue, Dr. Koester.
Eightieth street to One Hundred and Sixteenth street, east of Park and Seventh avenues, Dr. Stevenson.
Canal to Twenty-third street, west of Broadway and Fifth avenue, Dr. Mahoney.
Twenty-third street to Fiftieth street, west of Fifth avenue, Dr. Sprague.
Fiftieth street to One Hundred and Sixteenth street, west of Park and Seventh avenues, Dr. McAdam.
North of One Hundred and Sixteenth street, Dr. Richardson.

Special Inspector, Dr. Bryant.

(Dr. Rosenwasser, who was dropped from the service on January 19, 1903, was replaced by Dr. Jones, who was transferred to Brooklyn, and in turn was replaced on August 28 by Dr. McAdam.)

The good results of the increase in the working force was at once shown by the greater promptness with which cases could be visited, and the necessary disinfection carried out. A time limit of three days has been set, but the majority of inspections are made the day following assignment.

The following table shows the work done by the individual Inspectors and Nurses:

Table II.

Medical Inspectors and Nurses.	New Cases Treated with Antitoxin.	Number of Curative Injections.	Number of Cases Immunized.	Number of Cases Intubated.	Total Number of Diphtheric Inspections.	Living Cases of Tuberculosis.	Dead Cases of Tuberculosis.	Miscellaneous.	Total Inspections.	Original Complaints.	Special Reports.
Dr. Hall	334	334	364	16	971	985	270	34	2,260	114	132
Dr. Jones	158	170	257	9	450	546	232	38	1,266	87	31
Dr. Koester	270	305	910	23	962	625	371	384	2,142	217	132
Dr. MacAdam	22	8	9	..	60	43	26	1	130	4	7
Dr. Mahoney	185	181	203	2	493	1,097	535	187	2,312	292	98
Dr. Richardson	227	230	645	2	524	474	253	195	1,446	36	66
Dr. Rosenwasser	17	11	17	2	41	32	26	9	108	3	3
Dr. Sprague	193	229	1,003	19	656	756	494	114	2,020	70	308
Dr. Stevenson	308	337	1,042	22	942	503	494	137	2,076	199	65
Dr. Studdiford	155	64	293	..	512	685	327	14	1,538	60	20
Dr. Tannenbaum	15	21	30	..	85	206	105	11	407	10	99
Miss Graham .....	..	..	..	..	..	..	..	..	1,123	..	..
Miss Belliss .....	..	..	..	..	..	..	..	..	960	..	..
Dr. Dembo .....	..	..	..	..	..	..	..	..	873	..	..

Every case seen by an Inspector has had a special record card filled out, and full instructions have been given to the patients and their families regarding the necessary precautions to be taken, etc. To this latter end the "Circular of Instruction to Consumptives," issued by the Department has been translated into German, Italian, Yiddish, Chinese, Ruthenian, Polish, Hungarian and Russian, and these circulars are distributed by the Inspectors and Nurses. Large numbers have also been forwarded to the Charity Organization Society for distribution. The "Circular of Information Regarding Pulmonary Tuberculosis" has been rewritten and largely added to and is now ready for distribution. Many cases have been sent into Metropolitan, Seton, St. Joseph's and other hospitals besides those admitted to Riverside Sanatorium (see later). Many cases have been referred to the Charity Organization Society, the Society for the Prevention of Cruelty to Children, etc., for aid of various kinds, and they have all been followed up to see that relief was obtained.

During the latter part of the year fumigation with sulphur has been largely used in place of formaldehyde. All bedding is now fumigated at the house previous to its removal for disinfection.

Nurses.

A corps of three nurses was organized March 1, 1903, their duties being to visit all cases reported as being incapacitated for work, to see that instructions are being carried out, to furnish spit cups, and render any assistance in their power. In addition they have made house to house inspections of cases of tuberculosis in order to learn what has become of the cases reported. A summary of the work performed is given in Table II.

Riverside Sanatorium.

On May 8, 1903, a sanatorium for pulmonary tuberculosis was opened at Riverside Hospital. The admission of patients was discontinued in August because of lack of funds. But in that short time the good results accomplished were very great. A special report, together with analyses of the cases, is attached. It is to be hoped that admission of patients will be resumed January 1, 1903.

Dispensary.

A building for the clinic for the treatment of pulmonary diseases has been erected next door to the Department of Health, and will be opened January 1, 1904. A special circular detailing its objects has been prepared for distribution and the necessary history blanks, reference cards, etc., have been printed. A copy of the circular is attached.

Registration of Tuberculosis.

The new system of registration of tuberculosis introduced on January 1, 1903, has proved better and simpler in every way than the old system, and it is recommended that steps be taken to introduce it into the other boroughs of the City. Every effort has been made towards securing complete notification of cases of tuberculosis. Weekly reports are sent in by all institutions receiving cases from Manhattan. The annual total of cases so reported is as follows:

Number of New Cases of Pulmonary Tuberculosis Reported by Institutions.

January 1, 1902, to October 1, 1902.....	6,796
January 1, 1903, to October 1, 1903.....	7,874
1902	8,976
1903	10,258

It will be seen that a substantial gain was made in 1903.

A census is taken twice a year of all cases in the institutions. The following table shows very well the good that has been accomplished, the number of "new cases" (i. e., previously unreported) having grown less at each census:

Table Showing Number of Cases of Tuberculosis in City Institutions on a Given Date.

	November 15, 1902.	January 1, 1903.	May 20, 1903.	October 15, 1903.
Total cases	952	890	1,170	1,303
New cases	233	166	36	229
Old cases	691	733	1,040	1,074

Every death from tuberculosis not previously reported as a living case is investigated and the reason for its not having been reported obtained from the attending physician. The number of "not previously reported deaths" has diminished in a most gratifying manner.

Between February 1 and October 1, 1903, letters have been written to three hundred and fifty-four (354) physicians relative to non-reporting of cases of tuberculosis previous to death. A certain proportion of these required a second letter and a still smaller proportion reference to the Corporation Counsel for letters. More or less satisfactory replies have been received after a time from all except three, and these cases are now in the hands of the Corporation Counsel.

Special efforts have been made to simplify the records, so as to have them represent (a) all living cases of tuberculosis in Manhattan; and (b) all such cases under observation by this Department. To this end house-to-house inspections are being carried on, and all the "not found" or dead cases eliminated from the records. The private cases previous to 1900 have been traced (by means of letters to the attending physicians), and in many of them permission to inspect has been granted. All cases in Manhattan have been plotted on the special large house maps referred to under diphtheria.

Special inspections as to the origin of tubercular disease in children under five, and as to the treatment received by consumptives in public institutions, have been made by this Division and the results already reported.

Typhoid Fever.

The number of specimens of blood and urine submitted during 1903 for examination by the Widal and Diazo reactions, as shown in the Table of Figures, has increased very greatly. During the year 11 cases of typhoid fever on the Croton watershed were investigated, and a canvass of physicians (75) carried out. Small epidemics of typhoid fever in the New York Deaf and Dumb Asylum and the New York Juvenile Asylum were investigated and reports submitted.

In November the inspection as to origin of cases of typhoid fever occurring in Manhattan was assigned to this Division. Attached is the report of Dr. B. H. Waters on the results so far attained.

Malaria.

After thorough trial of the Nocht, Romanowsky, Jenner, Carbol-Thionin and Goldhorn methods of staining for the malaria parasite, the last (Goldhorn) has proved to be the best and most reliable, and accordingly all specimens are so prepared.

A new circular on mosquitoes and malaria has been prepared and issued.

Culture Stations.

The culture stations throughout the City have been inspected at regular intervals and the proprietors instructed as to the necessity of keeping on hand a full stock of all tubes, etc., supplied by the Department. During 1903, 19 new culture stations were established and fourteen discontinued.

A special supply and collection case, made of white enamelled metal, has been devised for use in the Culture Stations of the Department. A sample was made and is at present in the Department, but, owing to lack of funds, no more could be obtained. It is far superior in capacity, cleanliness, convenience and beauty to the tin boxes at present in use.

Table of Statistics.

	January 1 to October 1, 1902.	January 1 to October 1, 1903.	1902.	1903.
Diphtheria.				
Whole City—				
Number bacteriological diagnoses suspected diphtheria	10,990	19,177	16,653	25,833
Number showing K. L. B.	5,393	7,525	7,757	10,477
Number not showing K. L. B.	4,115	10,660	6,837	14,190
Number indecisive	1,482	992	2,059	1,166
Number trial cultures	228	14,312	620	14,994
Number later cultures	10,273	17,547	14,483	23,077
Number Medical School cultures (from September 13, 1902, to June 27, 1903) .....	.....	13,165	.....	13,584
Number Medical School cultures, K. L. B. ....	.....	946	.....	873
Number Medical School cultures, no K. L. B. ....	.....	11,494	.....	11,404
Number Medical School cultures, indecisive ..	.....	417	.....	351
Manhattan and The Bronx	8,514	13,907	12,468	18,598
Number showing K. L. B.	4,214	5,107	5,880	7,145
Number showing no K. L. B.	2,950	8,257	4,970	10,627
Number indecisive	1,055	724	1,396	826
Brooklyn	2,324	4,944	3,940	3,332
Number showing K. L. B.	1,118	2,260	1,785	2,972
Number showing no K. L. B.	823	2,441	1,563	3,173
Indecisive	383	243	592	289
Queens	124	208	191	493
Number showing K. L. B.	52	109	79	225
Number showing no K. L. B.	34	84	59	242
Number indecisive	38	15	53	26
Richmond	28	118	54	306
Number showing K. L. B.	9	49	13	133
Number showing no K. L. B.	13	59	23	148
Number indecisive	6	10	18	25
Total number cultures	21,491	64,201	21,756	77,488

	January 1 to October 1, 1902.	January 1 to October 1, 1903.	1902.	1903.
Number culture tubes prepared.....		64,385	66,706	86,414
Number swabs prepared.....		65,990	77,383	86,965
Number new cases treated with antitoxin.....	1,053	1,869	1,673	2,469
Number curative injections given.....	1,076	1,993	1,836	2,623
Number cases immunized.....	2,028	4,999	4,186	5,341
Number cases intubated.....	31	95	79	113
Total number diphtheria inspections.....	3,695	4,980	5,615	7,679
Tuberculosis.				
Total number specimens sputum examined (Greater New York).....	5,443	8,598	7,587	11,859
Number showing tubercle bacilli.....	2,138	3,216	3,000	4,327
Number not showing tubercle bacilli.....	3,305	5,274	4,587	7,512
Total number cases reported, Manhattan and The Bronx.....	7,068	7,738	9,130	10,247
Number deaths from tuberculosis.....	5,723	6,003	7,571	8,001
Number duplicates.....	2,660	3,451	3,633	4,698
Number tuberculosis inspections.....	4,979	11,545	9,138	12,514
Number living cases visited by Inspectors.....	3,064	5,787	6,099	8,503
Number dead cases visited by Inspectors.....	1,915	2,802	3,039	4,011
Number living cases visited by Nurses.....		2,956		5,028
Number of original complaints.....	921	1,094	1,319	1,338
Number of fumigations.....	439	1,357	1,100	1,336
Number of special reports.....				
Number of cases referred to Charity Organization Society.....	3	172	5	226
Number of cases referred to hospital.....	16	103	17	193
Typhoid.				
Number specimens blood examined for Widal re- action.....	2,029	2,907	3,369	4,231
Number showing reaction.....	583	750	1,179	1,125
Number not showing reaction.....	1,446	2,157	2,190	2,978
Number showing doubtful.....				128
Number of specimens of urine examined for Diazo.....	208	509	402	739
Number showing reaction.....		191	150	276
Number not showing reaction.....		219	182	336
Number showing doubtful reaction.....		99	70	127
Number inspections, cases of typhoid fever.....		80		365
Malaria.				
Number specimens blood examined.....		464	89	658
Number showing plasm. malarie.....		52	8	63
Number not showing plasm. malarie.....		412	81	595
Number visits to collect specimens.....			16,025	18,226
Number of pneumonia inspections.....				139

Respectfully submitted,
J. S. BILLINGS, JR., M. D., Assistant Director.

Tables Showing Injections of Antitoxin Made by Inspectors of the Department of
Health from January 1, 1903, to October 1, 1903.

Total number of cases injected..... 1,813

Sent to Willard Parker Hospital..... 145
False..... 460

605

Total number of cases considered as diphtheria..... 1,208

K. L. B. present..... 1,140
Doubtful..... 52
No culture..... 16

Deaths. Per

Moribund deduct..... 1,208 72 5.9
26 26

1,182 46 3.8

TABLE I.
Laryngeal Cases.

Total cases..... 208 33 11.
Moribund deducted..... 20 20

188 13 7.

Operative Cases.

Total cases..... 37 8 21.6
Moribund deducted..... 2 2

35 6 17.

Non-operative Cases.

Total cases..... 171 25 14.6
Moribund deducted..... 18 18

153 7 4.5

TABLE II.
Location.

Tonsils..... 586
Pharynx..... 198
Larynx..... 208
Nares..... 206
Not stated..... 10

1,208

TABLE III.
Character of Lesion.

Mild..... 282
Moderate..... 525
Severe..... 288
Septic..... 103
Not stated..... 10

1,208

TABLE IV.
Cause of Death.

Pneumonia.....	7
Nephritis.....	3
Cardiac paralysis.....	19
Asphyxia.....	12
Sepsis.....	25
Scarlet fever.....	3
Exhaustion.....	1
Not stated.....	2
	72

TABLE V.

Showing Day of Disease, When First Injection Was Given and Mortality Percentage.

Day.	Number of Cases.	Deaths.	Mortuary Percentage.	Moribund Deducted.	Leaves Cases.	Deaths.	Mortuary Per- centage.
First.....	168	4	2.3	2	166	2	1.2
Second.....	452	19	4.2	6	446	13	2.9
Third.....	315	18	5.8	3	312	15	4.8
Fourth.....	134	14	10.4	7	127	7	5.5
Fifth.....	61	8	13.	4	57	4	7.
Over five.....	66	8	12.	4	62	4	6.4
Not stated.....	13	1	7.7		13	1	7.7

TABLE VI.

Showing Number of Injections.

1 injection.....	1,046
2 injections.....	150
3 or more.....	8
Not stated.....	4
	1,208

Immunization.

Number of families.....	1,265
Number of individuals.....	3,120
Number contracting disease before two or after thirty days.....	7 .022%
Number contracting disease between two and thirty days.....	18 .057%
Number exposed, not immunized, and contracting disease.....	9
Rash.....	40
Number of institutions in which immunization was performed..	7
Total number of cases in institutions.....	1,619

J. S. BILLINGS, M. D.

Report on Cases of Pulmonary Tuberculosis Treated at Riverside Sanitarium, from
May 8, 1903, to November 15, 1903.

On May 8, 1903, the Riverside Sanitarium for Pulmonary Tuberculosis was opened at Riverside Hospital, North Brother Island. The isolated wards at the south end of the island, used during the winter months for cases of scarlet fever, were thoroughly cleansed, disinfected and renovated, and a large tent was erected close by. Men and women were put in separate wards. The objects in view were as follows:

1. To provide hospital accommodations for the following classes of cases:
(a) Those who cannot or will not take the necessary precautions as to care of expectoration, mode of life, etc., and who are a menace to those about them, and at the same time refuse to go to any hospital. (Forcible removal cases.)

(b) The itinerant cases—mostly men and hard drinkers, who live in lodging houses, and when in bad condition go into a hospital for a week or two until somewhat improved. They then leave and resume their old life, to the detriment of themselves and those about them. Such cases are among the most dangerous sources of infection.

(c) Cases of a better class than the average inmates of the Metropolitan Hospital on Blackwell's Island.

(d) Incipient and other hopeful cases, expecting to leave the City after a time.
2. To provide an object lesson as to the necessity and utility of such an institution, to be conducted by the City. The Department of Charities has in the Metropolitan Hospital an admirable institution for the consumptive poor and moribund cases. But patients cannot be compelled to enter there, nor are they held there against their will. And, further, all cases for the Metropolitan Hospital pass through Bellevue Hospital, and it cannot be denied that the average New Yorker objects strongly to entering the latter.

The Inspectors and Nurses of the Department were instructed to report all cases suitable for admission. On receipt of such notice, an ambulance or coupe (patients were not allowed to use the street cars) was sent for the patient, and he was removed to the Reception Hospital, at the foot of East Sixteenth street, thence to go by boat to Riverside Hospital. Many cases made personal application at the Department of Health; others applied through their friends. It must be remembered that only cases coming under the above-mentioned heads were admitted. The great majority of applicants for hospital treatment were referred to the Department of Charities for admission to the Metropolitan or Seton Hospitals.

Treatment.

This was purely supporting and expectant. No cod liver oil, creosote or other special remedies for pulmonary tuberculosis were used. Iron and strychnia as a tonic, atropia for the night sweats and heroin for the cough, were the medicines most in use. The food constituted the treatment, and special efforts were made to supply these patients, not only with a generous full diet, but also with the best milk and eggs obtainable. They were urged to keep out of doors all day long, to play games and to fish from the sea wall. Requests for discharge were forwarded to the Department, and if the patient was returning to the City, the circumstances were investigated and the condition of the patient considered before permission to leave was granted.

Analysis of Cases.

The first case was admitted on May 8, 1903, and the last regular case on August 18, 1903. Since the latter date one or two special cases have been admitted.

At this date (November 15, 1903) 127 cases have been admitted. Of these 11 are still in the sanitarium, 32 died in the sanitarium and 84 were discharged. The case mortality was therefore 25 per cent. But some of the cases remained only a few days, and if we throw out all cases remaining in the sanitarium less than two weeks (20, of which 11 died) we have 107 cases and 21 deaths, a case mortality of 19 per cent.

Age—The average was 35 years. The oldest patient admitted was 80 years; the youngest 13 years.

Under 30 years..... 46
Between 30 and 50 years..... 47
Over 50 years..... 33

Sex—Male, 99; female, 27.

Occupation—The majority of the cases had led indoor lives, while those accustomed to the open air had mostly been exposed to all weathers—drivers, etc. Out of 95, 60 had led indoor lives and 35 outdoor.

Classified as to occupation we have:

Laborers	33
Trades	47
Clerks or professions	12

Habits—Information as to this point was obtained in 95 cases: 18 were heavy drinkers, 16 drank in moderation, while 61 did not drink.

Two patients were addicted to morphine.

Family History—Out of 93 cases the family history was negative in 76—81 per cent.

Of the remaining 17 (19 per cent)—

Father consumptive in	5
Mother consumptive in	7
Brothers or sisters in	5

Previous History—As would be expected a history of preceding pleurisy or pneumonia was frequent. Pleurisy had occurred in 24 cases, pneumonia in 15. In three cases there was a history of injury to the chest. Two patients had chronic valvular disease of the heart, both mitral. One patient had a tubercular joint.

Duration of Present Illness—The average duration was 14 months.

Hemorrhages Previous to Admission—These occurred in 30 instances.

Condition on Admission—This was good in 24, fair in 29, and bad in 65 (over 50 per cent).

Location of Lesion.

Upper right and left	45
Upper right	27
Upper left	10
Whole right and upper left	8
Whole left	6
Whole left and upper right	3
Whole right	4
Lower left	2
Whole left and lower right	2
Lower left and upper right	2
Intestines	1
Larynx (fatal 6)	12

The above figures show that the involvement was:

Upper lobes in	107
Upper lobes alone in	82
Lower lobes in	27
Lower lobes alone in	2
Cavity in	31

Five cases had a hemorrhage while in hospital.

One case had pericarditis, probably tubercular.

All the cases were vaccinated with no harmful results.

Fever occurred in 71.

Result of Treatment—Of 95 cases:

Improved	70—73 per cent.
No change	20—21 per cent.
Worse	5—6 per cent.

Gained weight, 70 cases.

Average amount in 17 cases, 12 pounds.

Greatest individual gain, 37 pounds.

Stay in Hospital—Average, 5 weeks; shortest, 1 day; longest, 6 months.

Visited by Nurses—Of the 84 discharged cases, 71 returned to Manhattan. These were assigned to nurses for inspection with the following results:

Not found at addresses given	31
Dead	6
Found in good condition	25
Found in fair condition	2
Found in poor condition	7
Found able to work	14

In every single case the patient expressed the highest possible opinion of the treatment received at the sanitarium. There was no exception.

Dead Cases—These were 32 in number. The average age was 33, and duration of illness 7 months. In 4 out of 19 cases the whole of one lung was involved, in 12 both were involved, and cavity occurred in 14 out of 19. Of 14, 5 were heavy drinkers. Of 19, 18 were in bad condition on admission, 5 had laryngeal involvement.

The good reputation and knowledge of the sanitarium among the people at large is remarkable, considering the short time it was open and the comparatively small number of patients admitted. As shown above, in every instance the patients spoke in terms of the highest praise of the treatment received there. Such expressions as "The hospital saved my life," were heard time and again, and requests for admission and inquiries as to when the hospital will reopen are constantly being received. Patients strongly adverse to entering the hospital soon changed their minds after admission. Bearing in mind the fact that these cases were for the most part in bad condition on admission, of bad habits, and with extensive involvement of the lungs, the results obtained were certainly satisfactory to the highest degree. Fresh air, sunshine, good food, and as far as possible absence of worry, were the main factors. Had any special line of treatment been followed how surely would the good results been attributed thereto.

J. S. BILLINGS, M. D.

Department of Health,
Southwest Corner Fifty-fifth Street and Sixth Avenue,
New York, Nov. 19, 1903.

Dr. J. S. BILLINGS, Assistant Director:

Sir—I have the honor to report that on October 28 an investigation of cases of typhoid fever was undertaken by the Division of Bacteriology, with the view of determining, if possible, the source of the infection.

To date, 113 cases have been reported upon; of these 34 had been away from the city during a period of 4 weeks immediately preceding their illness; of the remaining 79, 15 were exposed to the disease. Milk was used habitually by 27. In 15 instances infection may have been carried by either food, milk or water; in 27 by milk or water, and in 7 by water or food. In only 12 cases could every source of infection except water be eliminated, and of these 10 used the direct supply (that is, not from tank) of Croton. In regard to 3 cases no information could be obtained, and 3 cases were found not to have been typhoid fever.

In no instance was infection clearly attributable to milk alone or food alone. Of the 42 people who may have been infected by milk, 18 bought it directly from large dairies (Borden's in 10 instances), 12 bought from different retailers and 12 from small grocery stores. Twenty-two people may have been infected by food; 6 by oysters, 5 by lettuce, 1 by oysters or lettuce, and 1 by oysters or clams. Four persons are stated to have bathed in the river.

In no instance (except where exposure is known to have occurred) has the source of infection been discovered, but in 3 instances a report of unsanitary conditions has been made to the Division of Sanitary Inspections; 2 other instances where bad sanitary conditions were reported, 1 case where oysters were obtained in a small, dirty shop, and 1 where water from a tank was used for drinking, represents the result of the work of three Inspectors for three weeks. Eighteen cases in which the first inspection seems to offer a clue to the source of infection are now being reinspected.

Respectfully submitted,

B. H. WATERS, M. D.,

Assistant Bacteriologist.

Department of Health,
Borough of Manhattan.

To the Assistant Sanitary Superintendent:

I herewith forward report of the work performed at the Vaccine Laboratory for the nine months ending September 26, 1903.

	January, February, March.	April, May, June.	July, August, September.
Number of specimens of vaccine virus tested bacteriologically	2,105	5,500	2,919
Number of animals vaccinated	27	15	25
Number of animals collected from	25	17	21
Number of grammes of vaccine virus collected	777.46	628.66	649.44
Number of cubic centimeters of liquid vaccine virus prepared	3,088	2,208	2,425
Number of spades charged with humanized virus .....	....	450	1,127
Number of capillary tubes of vaccine virus prepared	14,020	162.20	124.90
Number of small vials of vaccine virus prepared	904	1,146	725
Number of large vials of vaccine virus prepared	1,614	1,377	794
Number of mailing blocks prepared	32,790	5,310	3,900
Number of autopsies on animals .....	....	....	14
Number of white mice injected with vaccine virus .....	....	....	15
Number of other animals experimented upon	42	17	27
Number of clinical tests	240	366	279

Respectfully submitted,

J. K. HUDDLESTON, Director of the Vaccine Laboratory.

Research Laboratory Report for 1903.

First Quarter.

	Diphtheria.	Tetanus.	Malaria.	Dysentery.
Number of inoculations of animals with toxins	77	6	..	27
Number of animals bled for antitoxic serums	16	..	..	4
Number of cubic centimeters of antitoxic serums produced	47,590	..	..	..
Number of samples of toxin tested	46	4	..	..
Number of samples of antitoxic serums tested	78	..	..	..
Diphtheria cultures, positive	580			
Diphtheria cultures, negative	652			
Specimens of milk	228			
Disinfection tests	1,306			
Pencils examined for diphtheria	20			
Typhoid specimens, negative	1			

Second Quarter.

	Diphtheria.	Tetanus.	Malaria.	Dysentery.
Number of inoculations of animals with toxins	66	5	..	11
Number of animals bled for antitoxic serums	14	..	..	3
Number of cubic centimeters of antitoxic serums produced	100,593	14,730	3,000	..
Number of samples of toxins tested	50	5	..	..
Number of samples of antitoxic serums tested	61	..	..	..
Diphtheria cultures, positive	678			
Diphtheria cultures, negative	832			
Specimens of milk	546			
Disinfection tests	2,400			
Diphtheria bacilli tested	10			

Third Quarter.

	Diphtheria.	Tetanus.	Malaria.	Dysentery.
Number of inoculations of animals with toxins	132	1	..	13
Number of animals bled for antitoxic serums	10	..	..	3
Number of cubic centimeters of antitoxic serums produced .....	..	..	740	..
Number of samples of toxin tested	21	1	..	..
Number of samples of antitoxic serums tested	63	1	..	3
Diphtheria cultures, positive	305			
Diphtheria cultures, negative	309			
Specimens of milk	853			
Disinfection tests	886			
Diphtheria bacilli tested	81			
Dysentery specimens examined	18			
Vaccine virus tested	27			
Feces	5			
Urine	7			
Water	8			

Pasteur.

Cases treated	9
Number of injections made	49
Number of inoculations made	20
Diagnosis of hydrophobia	1
Number of animals inoculated for diagnosis	40
Number of animals received for diagnosis	17

Fourth Quarter.

Number of inoculations of animals with toxins.....	96
Number of animals bled for antitoxic serums.....	7
Number of cubic centimeters of antitoxic serums produced.....	84,395
Number of samples of toxin tested.....	90
Number of samples of antitoxic serums tested.....	56
Diphtheria cultures, positive.....	73
Diphtheria cultures, negative.....	60
Specimens of milk.....	155

Pasteur.

Cases treated.....	19
Number of inoculations made.....	34
Number of injections made.....	119
Number of animals inoculated for diagnosis.....	19
Number of animals received for diagnosis.....	4

Yearly.

Number of inoculations of animals with toxins.....	434
Number of animals bled for antitoxic serums.....	57
Number of cubic centimeters of antitoxic serums produced.....	250,948
Number of samples of toxin tested.....	223
Number of samples of antitoxic serums tested.....	262
Diphtheria bacilli tested.....	669
Vaccine virus tested.....	51
Diphtheria cultures, positive.....	1,636
Diphtheria cultures, negative.....	1,853
Specimens of milk.....	1,782
Disinfection tests.....	4,592

Pasteur.

Cases treated.....	28
Number of inoculations made.....	50
Number of injections made.....	168
Number of animals inoculated for diagnosis.....	58
Number of animals received for diagnosis.....	21

Respectfully submitted,
WM. H. PARKS, M. D., Assistant Director.

Department of Health,
Borough of Manhattan.

To the Assistant Sanitary Superintendent:

I herewith forward report of the work performed by the Pathologist for the year 1903.

Quarters.	Inspections.	Autopsies, Human.	Autopsies, Animal.	Number of Bleedings for Antitoxic Serum.	Number of Cubic Centimeters of Serum Prepared.	Number of Injections of Animals.
First	40	67,710	112
Second	3	..	75	164,490	208
Third	3	1	36	103,215	115
Fourth	2	..	27	63,560	168

Character of Work.

Performance of autopsies in cases of doubtful infectious or contagious disease, and microscopical examination of organs from such cases.

Management of all antitoxin horses, including injections, bleedings and handling of serum in bulk.

Respectfully submitted,
GEO. P. BIGGS, Pathologist.

Department of Health,
Southwest Corner of Fifty-fifth Street and Sixth Avenue,
New York, November 27, 1903.

To the Assistant Sanitary Superintendent:

Sir—I have the honor to present the following report of the work performed by the Division of Chemistry during the year 1903:

At the present time the division staff consists of one Chemist, five Assistant Chemists, one Assistant Bacteriologist, five Laboratory Assistants, one Clerk and one Cleaner on duty in the laboratory, and eleven Food Inspectors assigned to milk inspection in the five boroughs of the City.

Since August 24 of this year the entire work of milk inspection has been under the direction of the Chemist, including the analytical work of the Borough of Brooklyn. It has been found advisable to transfer the Assistant Chemist, formerly on duty in the Borough of Brooklyn, with his Laboratory Assistant, to the Fifty-fifth Street Laboratory and have all the analytical work of the City conducted there. In this way an unnecessary duplication of plant is avoided, better supervision of the work is attained and the efficiency of the laboratory force considerably increased. The Assistant Chemist, instead of confining himself solely to the milk analyses of the Borough of Brooklyn, is now able to take charge of the milk samples, not only from that borough, but also from the boroughs of Richmond and Queens, and in addition, can undertake the examination of occasional miscellaneous samples.

The character of the routine work of the laboratory has not differed materially from that described in the report of 1902. The following table will show the general character of the analytical work, giving the names of articles examined, what they were examined for and the reason for such examination:

Substance.	Number of Samples. To Nov. 14.	Examined For.	Reason for Investigation.
Alcohol	1	Purity	For Clerks' supplies.
Ashes	1	Amount and character of organic matter	For Department of Street Cleaning.
Baking powder.....	8	Character and injurious ingredients	Systematic examinations.
Bay rum.....	76	Methyl alcohol.....	Systematic examinations.
Beer	9	Alcohol	For Police Department.
Blood stains.....	23	Character	For Police Department.
Borax	22	Adulteration	Systematic examinations.
Boric acid.....	12	Adulteration	Systematic examinations.
Brandy drops.....	1	Alcohol	Citizen's complaint.
Bread	2	Adulteration	Systematic examinations.
Breakfast food.....	1	Injurious ingredients.....	Citizen's complaint.
Butter	4	Adulteration	Citizen's complaint.
Buttermilk	1	Adulteration	Citizen's complaint.

Substance.	Number of Samples. To Nov. 14.	Examined For.	Reason for Investigation.
Cake	1	Injurious ingredients.....	Citizen's complaint.
Camphor (spirits of)...	242	Methyl alcohol.....	Systematic examinations.
Candy	11	Injurious ingredients.....	Citizen's complaint.
Capsules	1	Character	Police Department.
Catsup	1	Injurious ingredients.....	Citizen's complaint.
Cereal	1	Injurious ingredients.....	Citizen's complaint.
Cherries	1	Injurious ingredients.....	Citizen's complaint.
Chloral hydrate.....	4	Identity	Police Department.
Chlorate of potash....	12	Adulteration	Systematic examinations.
Chloroform	3	Identity	Police Department.
Chocolate	4	Adulteration	Citizen's complaint.
Cider	2	Adulteration	Citizen's complaint.
Cigarette	1	Injurious ingredients.....	Citizen's complaint.
Citrate of magnesia....	48	Adulteration	Systematic examinations.
Coal	1	Character	Smoke nuisance.
Cocoa	9	Adulteration	Systematic examinations.
Codeine powders.....	6	Adulteration	Systematic examinations.
Coffee	6	Injurious ingredients.....	Citizen's complaint.
Corn (canned).....	1	Adulteration	Citizen's complaint.
Cream (adulterated)...	5	Adulteration	Systematic examinations.
Cream (unadulterated)..	56	Adulteration	Systematic examinations.
Cream of tartar.....	153	Adulteration	Systematic examinations.
Effluent	1	Character	Cause of nuisance.
Epsom salts.....	1	Adulteration	Citizen's complaint.
Excreta	2	Poison	Police Department.
Fat	1	Character	Cause of nuisance.
Floor oil.....	2	Character	Board of Education.
Formaldehyde	10	Percentage strength.....	For Clerk of Supplies.
Fur	1	Injurious ingredients.....	Citizen's complaint.
Gelatin	1	Injurious ingredients.....	Citizen's complaint.
Ginger (essence of)....	1	Injurious ingredients.....	Citizen's complaint.
Grass	3	Injurious ingredients.....	Citizen's complaint.
Ham	2	Injurious ingredients.....	Citizen's complaint.
Herbicide	1	Composition	Citizen's complaint.
Herrings	1	Injurious ingredients.....	Citizen's complaint.
Honey	1	Injurious ingredients.....	Citizen's complaint.
Horse ball.....	4	Poison	For Society for the Prevention of Cruelty to Animals.
Hydrogen peroxid.....	1	Percentage strength.....	For Clerk of Supplies.
Ice	2	Purity	Systematic examinations.
Ice cream	1	Injurious ingredients.....	Citizen's complaint.
Iodine tinctures	48	Adulteration	Systematic examinations.
Iodoform	5	Adulteration	Systematic examinations.
Jamaica ginger (tincture)	27	Adulteration	Systematic examinations.
Lacquer	1	Composition	Cause of nuisance.
Lard	2	Injurious ingredients.....	Citizen's complaint.
Laudanum	5	Adulteration	Systematic examinations.
Lemonade	1	Injurious ingredients.....	Citizen's complaint.
Lime water	1	Adulteration	Citizen's complaint.
Linseed oil.....	1	Adulteration	For Clerk of Supplies.
Liquid	4	Character	For Police Department.
Liquor	2	Alcohol	For Police Department.
Lithia tablets.....	1	Adulteration	Systematic examinations.
Meat	1	Injurious ingredients.....	Citizen's complaint.
Medicine	18	Composition	Citizen's complaint and for Police Department.
Milk (adulterated)....	2,324	Composition and preservatives...	Systematic examinations.
Milk (unadulterated)...	4,788	Composition and preservatives...	Systematic examinations.
Milk	125	Bacteriological purity.....	Systematic examinations.
Milk powder.....	10	Composition	Systematic examinations.
Milk (evaporated)....	4	Composition	Systematic examinations.
Milk (preserved).....	2	Bacteriological purity.....	Systematic examinations.
Milk (preserved).....	29	Composition	Systematic examinations.
Molasses	1	Injurious ingredients.....	Citizen's complaint.
Mud	2	Character	Cause of nuisance.
Opium paste.....	43	Character	For Police Department.
Paint dryer.....	1	Adulteration	For Clerk of Supplies.
Paraform	1	Percentage strength.....	For Clerk of Supplies.
Paris green.....	1	Character	Citizen's complaint.
Peas (canned).....	2	Injurious ingredients.....	Citizen's complaint.
Pepper	2	Adulteration	For Clerk of Supplies.
Peppermint (essence of)	1	Adulteration	Citizen's complaint.
Phenacetin.....	192	Adulteration	Systematic examinations.
Pickles	2	Injurious ingredients.....	Citizen's complaint.
Pills	6	Character	For Police Department.
Plate with food scraps..	2	Poison	For Police Department.
Potassium iodide.....	6	Adulteration	Systematic examinations.
Powder	3	Composition	Citizen's complaint.
Preservatives	3	Composition	Systematic examinations.
Preserves	11	Adulteration	Systematic examinations.
Quinine pills.....	1	Adulteration	Systematic examinations.

Substance.	Number of Samples To Nov. 14.	Examined For.	Reason for Investigation.
Rolled oats.....	1	Injurious ingredients.....	Citizen's complaint.
Rubber hose.....	4	Quality	For Department of Street Cleaning.
Salmon	1	Injurious ingredients.....	Citizen's complaint.
Salt	1	Injurious ingredients.....	Citizen's complaint.
Sardines	2	Injurious ingredients	Citizen's complaint.
Sediment	2	Character	Systematic examinations.
Smoked beef.....	1	Injurious ingredients.....	Citizen's complaint.
Soap	2	Injurious ingredients.....	For Navy Department.
Soap liniment.....	31	Adulteration	Systematic examinations.
Stink pots.....	2	Composition	Citizen's complaint.
Stomach and contents.	3	Poison	For Society for the Prevention of Cruelty to Animals and Coroner.
Sugar	4	Injurious ingredients.....	Citizen's complaint.
Sulphur	1	Purity	For Clerk of Supplies.
Syrups	32	Adulteration	Systematic examinations.
Tablets	2	Composition	Citizen's complaint.
Talcum powder.....	1	Composition	Citizen's complaint.
Tea	4	Injurious ingredients.....	Citizen's complaint.
Tomatoes (canned)....	1	Injurious ingredients.....	Citizen's complaint.
Tomato soup.....	1	Injurious ingredients.....	Citizen's complaint.
Tongue	1	Injurious ingredients.....	Citizen's complaint.
Towel	1	Poison	For Police Department.
Toy	1	Poison	Citizen's complaint.
Trional	1	Composition	For Police Department.
Turpentine	4	Adulteration	For Department of Correction.
Uranine	2	Purity	For Clerk of Supplies.
Urine	35	Composition	Clinical purposes.
Vinegar	1	Adulteration	For Clerk of Supplies.
Viscera	3	Poison	For Society for the Prevention of Cruelty to Animals.
Vomit	2	Poison	Police Department.
Water (bacteriological examinations)	88	Number and character of organisms	Systematic examinations.
Water (chemical examinations)	413	Sanitary purity	Systematic examinations.
Water (carbonic).....	2	Composition	Systematic examinations.
Water (cellar).....	42	Character	To determine origin of water in cellars and excavations.
Whiskey	1	Alcohol	For Police Department.
White lead.....	2	Adulteration	For Department of Correction.
Wine	13	Alcohol	For Police Department.
Lactometers tested....	209	Accuracy of scale.....	For use of Inspectors, and for citizens.
Thermometers tested...	108	Accuracy of scale.....	For use of Inspectors.

Up to the present time, November 14, the Chemists have attended court, as expert witnesses, on one hundred and forty (140) days.

Methods of Analysis.

No material changes have been made in the methods adopted for the analysis of milk and water, they remaining as described in the report for 1902.

Bacteriological Work.

Owing to the resignation of the Assistant Bacteriologist early in the year, and no appointment being made to fill the vacancy until June, the systematic bacteriological work was seriously interrupted. This work was, however, resumed as soon as possible, and has been carried on until the present time.

Regular periodic examinations of the City water supplies have been conducted, both as to the number and the nature of the organisms present, special attention being given to such as are indicative of contamination. In addition to these periodic examinations, bacteriological analyses of well waters received at the laboratory have also been made in conjunction with the chemical work, making it possible to judge of the sanitary quality of such waters more intelligently than when the results of the chemical analysis alone are depended upon.

In addition to the systematic investigations of the water supplies of the various boroughs, bacteriological examinations of milk, and other miscellaneous food samples, have been made. Also determinations of the germicidal value of antiseptics received from this and other departments.

The experience and training of the Bacteriologist in the use of the microscope and the preparation of objects for microscopic examination have also been called into service in the general food work of the division, where such examinations were necessary. Valuable assistance was also rendered in cases received from the District Attorney's office, involving the identification of blood stains, etc.

Examination of Drugs.

A field of work not heretofore touched upon, which was begun late in December of last year and has been continued up to the present time, is the examination of drugs and medicines sold in the City, in search of substitutions, misrepresentation and adulteration. So far, the analyses of 1,076 samples have been completed, comprising bay rum, bismuth subnitrate, borax, boric acid, spirits of camphor, chlorate of potash, citrate of magnesia, codeine, cream of tartar, epsom salts, Jamaica ginger (tincture), hydrogen peroxide, tincture of iodine, iodoform, laudanum, lime water, lithia tablets, essence of peppermint, phenacetin, potassium iodide, quinine pills, soap liniment, talcum powder and trional.

The most widespread adulteration was found among the samples of phenacetin. The majority of powders received proved to be mixtures of phenacetin and acetanilid. In many cases pure acetanilid had been substituted for phenacetin, and other forms of substitutions were mixtures of phenacetin and sugar, phenacetin and starch, acetanilid and cane sugar, acetanilid and milk sugar, acetanilid and starch, antipyrin and quinine sulphate.

Later information received regarding these samples, through interviews with many retail pharmacists, revealed the fact that most, if not all, the powders found to be mixtures of acetanilid and phenacetin had been dispensed in good faith by the druggists as phenacetin; they themselves having been the victims of fraud through the purchase of packages purporting to be pure phenacetin, offered to them by irresponsible parties.

Another widespread form of substitution is that of using wood alcohol instead of grain alcohol in the alcoholic preparations, such as bay rum, spirits of camphor, tincture of iodine, soap liniment, etc. Approximately 20 per cent. of all the samples collected contained wood alcohol. Other forms of adulteration found were tincture of iodine (far below strength), bicarbonate of soda (sold as borax), citrate of magnesia (prepared in some cases with tartaric acid and soda, in others with tartaric acid and magnesia), mixtures of alum and phosphate of calcium (sold as cream of tartar), acetanilid (sold as trional), and quinine pills with quinine contents considerably below the labeled amount.

A few of the more flagrant cases have been prosecuted in the criminal courts, and convictions obtained; the others, comprising the majority of cases, have been warned. The results have shown the necessity of systematic inspection of drugs, and this work is now being continued as part of the regular routine of the laboratory.

Syrups.

During the past summer a considerable number of flavoring syrups were collected and examined for artificial colors and preservatives. Artificial colors are of almost universal occurrence in such preparations, and the use of preservatives was also found to be general. The preservatives found were sulphites, benzoates, salicylic acid and fluorides.

Milk Inspection.

On August 24 of this year the work of milk inspection for the five boroughs was transferred to this Division. This has made it possible to adopt uniform methods of inspection throughout the city, and to control the collection of samples, and their analysis, to better advantage, resulting in an increase in the general efficiency of the work.

At present there are five (5) inspectors on duty in Manhattan, three (3) in Brooklyn, two (2) in Richmond, and one (1) in the Bronx. There is no inspector regularly on duty in the Borough of Queens, milk inspection in that borough being done at irregular intervals by detailing a man from Manhattan. This makes the work there difficult and incomplete, and an inspector for that borough is urgently needed.

The following is a tabular summary of the work of the division for the first nine months of this year. The work of the milk inspectors is given for the whole nine months, although they have been under the direction of the Chemist only since August 24:

Number of Analyses, Inspections, Etc.

	First Three Quarters, 1903.
Analyses of milk	5,232
Analyses of preserved milks	26
Analyses of cream	51
Analyses of water (sanitary examinations, bacteriological and chemical).....	399
Analyses of drugs and medicines	858
Analyses of samples received from other City Departments.....	134
Analyses of miscellaneous samples and experimental work	1,301
Total	8,001
Total number of inspections of milk	49,625
Total number of specimens of milk examined.....	49,925
Total number of samples of milk collected.....	6,923
Total number of quarts of milk destroyed.....	101
Total number of arrests.....	666
Total amount of fines	\$9,754 00

Respectfully submitted,
J. A. DIGHUEE, PH. D., Chemist.

SANITARY BUREAU. BOROUGH OF THE BRONX.

To the Sanitary Superintendent:

I have the honor to submit the following report of work performed in the Borough of The Bronx for the three quarters ending September 26, 1903.

DIVISION OF INSPECTION.

Summary.

Number of inspections.....	21,985
Number of reinspections.....	6,494
Total.....	28,479
Number of complaints forwarded for orders.....	2,032
Number of citizens' complaints received.....	2,191
Number of citizens' complaints returned for orders.....	984
Number of citizens' complaints returned negative.....	1,257

Premises Inspected.

Number of tenement houses.....	400
Number of private dwellings.....	1,728
Number of mercantile establishments.....	425
Number of manufactories and workshops.....	64
Number of stables.....	1,059
Number of sunken and vacant lots.....	978
Number of miscellaneous.....	4,430
Total.....	9,084

Number of visits to stop work, close stores, etc.....	485
Number of specimens of milk examined.....	1,915
Number of specimens of milk collected.....	310
Number of pounds of foods condemned and destroyed.....	107,027
Number of permits issued.....	971
Number of arrests made.....	58
Number of persons held on bail.....	32
Number of persons discharged.....	10

Mercantile.

Number of children interviewed applying for certificates.....	1,965
Number of employment certificates granted.....	1,793
Number of employment certificates granted.....	161
Number of duplicate certificates issued.....	111
Number of milk inspections.....	2,321
Number of food inspections.....	10,312

DIVISION OF CONTAGIOUS DISEASES.

Summary.

Number of visits to cases of contagious diseases.....	7,459
Number of cases visited for special diagnosis.....	549
Number of cases treated with diphtheria antitoxin.....	206
Number of persons immunized with diphtheria antitoxin.....	475
Number of school notices sent.....	180
Number of complaints forwarded for orders.....	141

Number of visits to tenement houses.....	4,496
Number of visits to hotels.....	7
Number of visits to schools and institutions.....	4,803
Number of visits to private houses.....	2,360
Number of visits miscellaneous.....	2,227

Total number of visits..... 12,697

Number of primary vaccinations.....	1,279
Number of revaccinations.....	3,029
Number of vaccinations in schools.....	508

Total number of vaccinations..... 4,816

Number of certificates of vaccination issued.....	1,473
Number of visits to infected houses.....	33
Number of animals examined.....	1,305
Numbered of glandered horses condemned.....	83

Number of persons removed to contagious disease hospitals.....	87
Number of dead bodies removed to Morgue.....	1
Number of houses visited for disinfection.....	1,065
Number of infected rooms disinfected.....	3,724
Number of times ambulances, etc., disinfected.....	219
Number of pieces infected goods disinfected.....	3,816
Number of pieces infected goods destroyed.....	658
Total number of inspections.....	14,362

Number of Communicable Diseases Reported.

Diphtheria.....	711
Scarlet fever.....	608
Measles.....	196
Tuberculosis.....	636
Typhoid fever.....	99
Croup.....	20
Chicken pox.....	161
Pertussis.....	39
Smallpox.....	1
Mumps.....	86
Erysipelas.....	2
Miscellaneous.....	4
Total.....	2,563

Sanitary Inspectors.

G. B. Ferguson, C. F. Spencer, G. A. Elliott, T. D. W. Pinkney, F. W. Loughran, J. H. Oberle, J. J. D. Sullivan, on duty, Manhattan Borough; C. G. Krichhof, on duty, Manhattan Borough; S. W. Clason, J. E. Higgins, A. J. Dodin, office.

Number of inspections.....	15,618
Number of reinspections.....	1,945
Number of citizens' complaints received.....	1,415
Number of complaints forwarded for orders.....	1,211

Character of Premises Inspected.

Tenement houses.....	97
Private dwellings.....	1,262
Mercantile establishments.....	421
Manufactories and workshops.....	22
Stables.....	156
Sunken and vacant lots.....	674
Miscellaneous.....	12,886
Total.....	15,618

Number of specimens of milk examined.....	1,915
Number of specimens of milk collected.....	310
Pounds of fruit condemned.....	41,530
Pounds of vegetables condemned.....	48,822
Pounds of groceries and canned goods condemned.....	135
Pounds of confectionery condemned.....	25
Pounds of meat condemned.....	12,061
Pounds of poultry and game condemned.....	4,454

Mercantile Establishments.

Number of children interviewed applying for certificates.....	1,965
Number of employment certificates granted.....	1,703
Number of employment certificates refused.....	161
Number of duplicate certificates issued.....	111
Number of arrests.....	19
Number held on bail.....	15
Number discharged.....	1

Sanitary Police.

Number of inspections.....	5,728
Number of complaints referred to inspectors.....	155
Number of complaints for orders.....	753
Number of nuisances abated by personal effort.....	224
Number of reinspections.....	4,549
Number of negative reports forwarded.....	755
Number of visits to stop work, close stores, etc.....	485

Character of Premises Inspected.

Tenement houses.....	303
Private dwellings.....	646
Mercantile establishments.....	4
Manufactories and workshops.....	42
Stables.....	534
Sunken and vacant lots.....	304
Miscellaneous.....	3,897
Total.....	5,828

Number of arrests made.....	39
Number of persons held on bail.....	17
Number of persons discharged.....	9
Number of persons fined.....	11
Number of citizens' complaints received.....	812

Veterinarians.

A. J. Dodin, W. F. Braisted, on duty, Manhattan Borough.

Number of inspections.....	639
Number of animals examined.....	1,305
Number of glandered horses destroyed.....	83
Number of stables inspected.....	371
Number of complaints forwarded for orders.....	68
Number of citizens' complaints received.....	3

Medical Inspectors.

W. W. Talley, C. A. Clinton, C. F. Spencer, G. B. Ferguson, T. D. W. Pinckney, G. A. Elliott, F. W. Loughran, J. H. Oberle, D. F. Kimmier, assigned to office Vaccination and Mercantile Bureau; M. Schiller, J. F. Bicak, B. G. Cooke, A. Michaels, I. A. Church, G. A. Lawrence, on leave of absence; J. E. Thompson, on leave of absence;

Number of visits to cases.....	7,459
Number of visits to cases for special diagnosis.....	549
Number of cases treated with diphtheria antitoxin.....	206
Number of persons immunized with diphtheria antitoxin.....	475
Number of school notices sent.....	180
Number of complaints forwarded for orders.....	141
Total.....	12,697

Number of Visits.

Tenement houses.....	4,496
Hotels.....	7
Private dwellings.....	2,360
Schools and institutions.....	3,603
Miscellaneous.....	2,231
Total.....	12,697

Number of primary vaccinations.....	1,279
Number of revaccinations.....	3,029
Number of vaccinations in schools.....	508

Total number of vaccinations..... 4,816

Number of vaccination certificates issued.....	1,473
Number of visits to infected houses.....	33
Number of children examined.....	522,126
Number of children excluded from school.....	1,807
Number of schools visited.....	42

School Nurses.

E. M. E. Wall, B. E. Alcan.

Number of houses visited.....	416
Number of schools visited.....	417

Cases of Diseases Cared For.

Pediculosis.....	4,330
Conjunctivitis and other eye affections.....	3,834
Eczema.....	14
Ringworm.....	561
Scabies.....	17
Miscellaneous.....	455
Total cases.....	9,211

Summer Corps.

B. G. Cooke, A. Mihaelis, L. M. Oakley.

Number of visits to houses.....	1,322
Number of visits to families.....	1,228
Number of sick children treated.....	80
Number of milk inspections.....	67
Number of revisits.....	20
Number of miscellaneous inspections.....	9
Number of cases not found.....	4
Number of removals.....	118
Number of deceased.....	24
Number of vaccinations performed.....	6
Number of children examined.....	1,112

Medical School Inspection.

	Public Schools.	Parochial Schools.	Total.
Total daily average attendance.....	37,723	1,660	39,383
Number of schools visited.....	40	2	42
Number of visits to schools.....	2,932	164	3,096
Number of pupils examined.....	482,105	40,021	522,126
Number of pupils excluded.....	1,742	65	1,807

Table Showing Diseases for Which Children Were Excluded.

	Public Schools.	Parochial Schools.	Total.
Measles.....	4	..	4
Diphtheria.....	7	..	7
Scarlet fever.....	11	..	11
Whooping cough.....	10	..	10
Mumps.....	78	3	81
Contagious eye diseases.....	470	19	489
Pediculosis.....	916	28	944
Chicken-pox.....	33	2	35
Contagious skin diseases.....	147	7	154
Miscellaneous.....	72	..	72
Total number excluded.....	1,748	59	1,807

Disinfecting Corps.

H. T. Ritter, W. Kasmire, E. Teichmann.

Number of persons removed to hospital.....	87
Number of bodies removed to Morgue.....	1
Number of houses visited.....	1,665
Number of rooms disinfected.....	3,724
Number of times ambulances and other vehicles disinfected.....	219
Number of pieces of infected goods disinfected.....	3,818
Number of pieces of infected goods destroyed.....	658

Summary of Work Performed.

Number of inspections and reinspections made.....	42,841
Number of inspections of mercantile establishments.....	425
Number of Inspectors' complaints made.....	1,081
Number of citizens' complaints received.....	2,191
Number of complaints forwarded for orders.....	2,173

Number of vessel permits issued.....	28
Number of miscellaneous permits issued.....	952

Total number of permits issued..... 980

Number of pounds of foods seized and condemned (fruit, fish, meat, etc.).....	107,027
Number of heads of cattle examined.....	1,305
Number of glandered horses destroyed.....	83
Number of visits to cases of contagious diseases.....	7,459

Number of primary vaccinations performed.....	1,279
Number of revaccinations performed.....	3,029
Number of vaccinations performed in schools.....	508

Total number of vaccinations performed..... 4,816

Number of children examined.....	522,126
Number of children excluded from schools.....	1,807
Number of persons treated with diphtheria antitoxin.....	206
Number of persons immunized with diphtheria antitoxin.....	475
Number of persons removed to hospital.....	87
Number of dead bodies removed to Morgue.....	1
Number of pieces of infected goods disinfected.....	3,818
Number of pieces of infected goods destroyed.....	658

March 17 to September 15, 1903.

Note—Vacant property treated with crude oil for the eradication of mosquitoes, 6,744 city lots or 421½ acres. Number mosquito orders issued, 174.

Respectfully submitted,

EDWARD F. HURD, M. D.,
Assistant Sanitary Superintendent.

Department of Health,
No. 1237 Franklin avenue, Borough of The Bronx,
New York, December 1, 1903.

CHAS. F. ROBERTS, M. D., Sanitary Superintendent:

Sir—In compliance with your instructions of November 7, 1903, I have the honor to submit herewith the annual report of this Department, Borough of The Bronx, for the year 1903.

The following list of cases of contagious diseases reported for the first three-quarters this year, as compared with the same period of 1902, will show a decrease in some cases and an increase in others. Regarding the latter, it must be remembered that the estimated increase in population is rated at 25,000:

	1902.	1903.
Diphtheria	496	711
Scarlet fever.....	638	608
Measles	1,892	196
Smallpox	161	1
Tuberculosis	450	636

This year cases of measles have been inspected and fumigation performed, which was not the case last year. The increase in the number of cases of tuberculosis may be accounted for in the increased population and in the fact that strenuous efforts have been made to have all such cases reported, many physicians believing that the same was not included in the regular list of diseases to be reported.

During 1902 there were 215 cases of diphtheria injected with antitoxin and 445 immunized, while this year 253 cases were injected and 541 immunized.

The following is a comparative list of the number of deaths of measles, scarlet fever and diphtheria:

	1902.	1903.
Measles	151	29
Scarlet fever	167	134
Diphtheria	62	111

This year there have been but 1,890 primary vaccinations and 4,130 revaccinations performed. This small number is due to the fact that but one case of smallpox was reported, and the borough was thoroughly vaccinated in 1902.

In regard to the medical inspection of schools the following figures will show a remarkable increase in the number of children examined and a slight decrease in the number of exclusions. This may be accounted for in the fact that the parents are being educated up to the rules of the Department through the circulars of information issued and the instructions given by the nurses and doctors:

	1902.	1903.
Number of children examined.....	238,413	706,016
Number of children excluded.....	2,694	2,106

The comparative number of disinfections, etc., is as follows. It will be noted that although more houses were visited for disinfection this year and more infected goods disinfected and destroyed, there were fewer rooms disinfected, which seems to indicate that quarantine has been more rigidly observed, and the fumigation of entire apartments has not been made necessary:

	1902.	1903.
Houses visited for disinfection.....	1,667	1,992
Rooms disinfected	4,427	4,359
Pieces of infected goods disinfected.....	1,596	4,291
Pieces of infected goods destroyed.....	401	832

The following number of cases of contagious diseases were removed to the hospital this year by our ambulance, as compared with 1902:

	1902.	1903.
Diphtheria	18	53
Scarlet fever	17	41
Measles	4	8
Total.....	39	102

Special attention has been paid this year to the inspection of infected stables and the enforcement of orders for the fumigation of same, with the following results:

	1902.	1903.
Number of glandered horses destroyed.....	105	89

The inspection of food, etc., has been carefully looked after, as the following results will show. It must be remembered that The Bronx has but one Inspector to cover this work:

	1902.	1903.
Pounds of food condemned and destroyed.....	76,985	136,720

The issuing of employment certificates increases yearly owing to the increased population, and under the workings of the new Labor Law the number of certificates refused will be necessarily much greater than before:

	1902.	1903.
Number of employment certificates granted.....	1,641	1,866
Number of employment certificates refused.....	70	189
Number of duplicates issued.....	93	129

There is a slight decrease in the number of citizens' complaints received and the number of orders issued. This is due to the fact that during 1902 the provisions of the new Tenement House Act were enforced by this Department, and all complaints relating to tenements were received and inspected. This year the Tenement House Department has become operative and a large part of the sanitary work formerly done by this Department has been transferred to them.

A special feature of the Department work this year has been the attempt to stamp out as far as practicable the mosquito plague. This work was carefully carried out, with the following result:

Vacant lots treated with crude oil.....	6,744
Number of mosquito orders issued.....	174

The cow stables in the borough have been carefully inspected and kept under observation this year, and compliance with the Department rules regarding same have been rigidly enforced. It was found upon investigation that the milk was not properly handled, and it took some time to educate the owners of these stables up to the new rule and regulations adopted by the Board.

	1902.	1903.
Inspections of stables.....	273	1,174

Respectfully submitted,

EDWARD F. HURD, M. D., Assistant Sanitary Superintendent.

BOROUGH OF BROOKLYN.

New York City, November 30, 1903.

To the Sanitary Superintendent:

Sir—I have the honor to submit the following report of work performed in the Borough of Brooklyn for the three quarters ending September 26, 1903:

Number of inspections and reinspections.....	236,151
Number of tenement house inspections (house to house).....	3,514
Number of inspections of mercantile establishments.....	463
Number of Inspectors' complaints.....	168
Number of citizens' complaints received.....	9,450
Number of vessel permits issued.....	1,448
Number of miscellaneous permits issued.....	1,925
Total number of permits issued.....	3,373
Number of pounds of food seized and condemned (fruit, fish, meat, etc.)....	127,287
Number of heads of cattle examined.....	672
Number of glandered horses destroyed.....	233
Number of analyses made.....	989
Number of primary vaccinations performed.....	10,273
Number of revaccinations performed.....	13,479
Number of vaccinations performed in schools.....	12,476
Number of visits to schools.....	20,924
Number of children examined	2,768,418
Number of children excluded from schools.....	14,436
Number of diagnoses of suspected diphtheria.....	3,491
Number of secondary diagnoses of suspected diphtheria.....	4,643

DIVISION OF INSPECTIONS.

To the Assistant Sanitary Superintendent:

I herewith forward report of the work of the Inspectors for the three quarters ending September 26, 1903:

	Sanitary Inspectors.	Sanitary Police.	Food Inspectors.	Total.
Number of inspections	21,033	28,110	93,026	142,169
Number of reinspections	9,404	2,387	134	11,925
Total.....	30,437	30,497	93,160	154,094
Number of citizens' complaints received.....	6,024	3,251	175	9,450
Number of citizens' complaints returned for orders.....	4,278	819	89	5,186
Number of citizens' complaints returned negative..	4,007	2,583	57	6,647
Number of police complaints referred to Inspectors.....	.....	168	.....	168
Premises Inspected.				
Number of tenement houses	2,873	641	.....	3,514
Number of shore inspections.....	1,422	.....	.....	1,422
Number of lodging houses.....	35	373	.....	408
Number of private dwellings	4,273	2,161	.....	6,434
Number of mercantile establishments.....	341	122	.....	463
Number of manufactories and workshops.....	437	308	.....	745
Number of slaughter houses .....	.....	105	.....	105
Number of stables	629	3,817	.....	4,446
Number of manure dumps .....	.....	1,280	.....	1,280
Number of sunken and vacant lots.....	2,575	4,554	.....	7,129
Number of miscellaneous	8,448	14,749	.....	23,197
Number of nuisances abated by personal effort....	.....	1,731	.....	1,731
Number of specimens of milk examined .....	.....	.....	26,883	26,883
Number of specimens of milk for analysis.....	.....	.....	1,052	1,052
Number of pounds of foods condemned and destroyed .....	.....	.....	127,287	127,287
Number of permits issued .....	.....	.....	3,373	3,373
Number of arrests	1	468	322	791
Number of persons held on bail.....	1	450	297	748
Number of persons discharged .....	.....	16	25	41
Number of veterinary inspections .....	.....	.....	205	205
Number of dairy inspections .....	.....	.....	808	808
Number of analyses made .....	.....	.....	989	989
Number of children interviewed applying for certificates .....	.....	.....	8,169	8,169
Number of employment certificates granted .....	.....	.....	5,864	5,864
Number of employment certificates refused .....	.....	.....	1,844	1,844
Number of duplicate certificates issued .....	.....	.....	461	461

	Sanitary Inspectors.	Sanitary Police.	Food Inspectors.	Total.
Mercantile.				
Number of citizens' complaints received	4	.....	.....	4
Number of citizens' complaints returned for orders.	1	.....	.....	1
Number of citizens' complaints returned as negative	3	.....	.....	3
Number of original complaints returned for orders.	141	.....	.....	141
Milk inspections				
				24,391
Meat inspections				32,031
Food inspections				35,286
Dairy inspections				808
Veterinary inspections				505
Total				93,021
Chemists' analyses				
				989
Food Condemned.				
Fruit, pounds				8,355
Food, pounds				70,141
Meat, pounds				48,081
Fish, pounds				710
Total				127,287

DIVISION OF CONTAGIOUS DISEASES.

To the Assistant Sanitary Superintendent:

I herewith forward report of the work of this Division for the three quarters ending September 26, 1903.

Number of visits to cases of contagious diseases.....	28,960
Number of cases visited for special diagnosis.....	1,415
Number of cases treated with diphtheria antitoxin.....	261
Number of persons immunized with diphtheria antitoxin.....	240
Number of school notices sent.....	2,662
Number of visits to tenement houses.....	18,995
Number of visits to hotels.....	59
Number of visits to schools and institutions.....	24,970
Number of visits to private houses.....	9,171
Number of visits, miscellaneous.....	17,005
Total number of visits.....	70,200
Number of primary vaccinations.....	10,273
Number of revaccinations.....	13,479
Number of vaccinations in schools.....	12,476
Total number of certificates of vaccination issued.....	8,283
Number of visits to infected houses.....	961
Number of visits to sick children.....	6
Number of prescriptions filled.....	6
Number of animals examined.....	672
Number of post mortems on animals.....	1
Number of glandered horses condemned.....	233
Number of inspections and reinspections.....	4,682
Number of persons removed to Contagious Disease Hospital.....	1,097
Number of houses visited for disinfection.....	7,175
Number of infected rooms disinfected.....	9,073
Number of pieces infected goods disinfected.....	23,482
Number of pieces of infected goods destroyed.....	9,840
Total inspections	82,057

Number of Communicable Diseases Reported.

Diphtheria	4,104
Scarlet fever.....	2,150
Measles.....	3,642
Tuberculosis	2,509
Typhoid fever.....	691
Chicken pox.....	408
Whooping cough.....	248
Small pox.....	8
Total.....	13,760

*One of these cases is credited to Quarantine.

SANITARY BUREAU.
BOROUGH OF BROOKLYN.

Division of Medical School Inspection.

To the Assistant Sanitary Superintendent:

I herewith forward report of the Medical School Inspectors for the three quarters ending September 26, 1903.

Schools.	Average Total Daily Attendance.	School Days.	Average Number of Schools Visited.	Number of Visits to Schools.
Public Schools	153,783	127	136	15,619
Parochial Schools	20,872	130	44	5,305
Total	174,655	130	180	20,924

	Number Examined. Total.	Number Excluded.
Public Schools	2,420,210	12,754
Parochial Schools	348,208	1,682
Total.....	2,768,418	14,436

Table Showing Diseases for which Children Were Excluded.

Schools.	Measles.	Diphtheria.	Scarlet Fever.	Whooping Cough.	Mumps.	Contagious Eye Diseases.	Parasitic Diseases of Head.	Chicken Pox.	Skin Diseases.	Total Number Excluded.
Public Schools	60	5	8	81	454	3,683	6,852	115	1,496	12,754
Parochial Schools	3	..	..	4	13	469	1,076	12	105	1,682
Total.....	63	5	8	85	467	4,152	7,928	127	1,601	14,436

New York, December 1, 1903.

To the Chief, Division of Inspections:

Sir—During the three quarters ending September 26, 1903, the following offensive material has been cared for by the Shore Inspectors:

Dogs	73
Cats	76
Horse	1
Rats	155
Fish	216
Calves	6
Goat	1
Sheep	19
Fowl	108
Offal	126
Bedding	120
Clothing	147
Garbage	20
Mattresses	110
Hogs	2
Meats	240
Human bodies	2

Department of Health,
New York, November 30, 1903. }

To the Sanitary Superintendent:

Sir—In accordance with your instructions of November 7, I forward herewith the annual report for the current year, together with the statistical portion of the same for the first three quarters of the year, with two columns left at the right hand side of the page for the addition of the last quarter and the total.

During the year 1903 the Sanitary Bureau has consisted of two divisions, the Division of Contagious Diseases and that of Inspections.

Division of Contagious Diseases.

Diphtheria—The report of this division for the year shows that the reported cases of diphtheria have considerably exceeded those of the year 1902 by about 1,400. The number of deaths from this disease up to the present time has also been in excess of those of 1902 to the number of about 100. The death rate per 100,000 of inhabitants does not materially differ from that of 1902; but there has been a marked decrease in the case fatality, the reduction being from 18 per cent to 14.73 per cent. This marked decrease shows that the physicians during the year 1903 have reported the cases of diphtheria coming under their professional care to a greater extent than during any year since 1888, which is the farthest that the records have been examined for this purpose. An additional factor in the increased number of cases reported may also be found in the fact that a considerable number of trial cultures have been made in the schools. The present year has also been characterized by an increased use of antitoxin both as a curative agent in diphtheria and also for immunizing purposes. The total number of curative antitoxin injections is 273, while 281 persons have been immunized.

I desire in this connection to call attention to the relatively small number of culture stations in the Borough of Brooklyn. While there are in the boroughs of Manhattan and The Bronx 172 of these stations there are in the Borough of Brooklyn but 30. Repeated demands have been made during the year for an increase in this number, some of which have been denied upon the recommendation of this Bureau, inasmuch as there seemed to be no demand for the establishment of culture stations at the points for which application was made; on the other hand a number of these stations were, in the opinion of this borough office, very much needed, and recommendation for their establishment was forwarded, but was not favorably acted upon. This I understand to be due to the inability on the part of the Department on account of financial reasons to increase the number of collectors. Inasmuch as statistics show that physicians in the Borough of Brooklyn are not as alert to use antitoxin in cases of diphtheria, or for immunizing purposes, as are those of Manhattan, I deem it very important that every inducement should be offered to lead them to adopt this now thoroughly accepted method of the treatment of diphtheria, and I would, therefore, most urgently ask that the matter of the location of culture stations be again thoroughly considered, and that new stations be established wherever necessary, in order that physicians may have every opportunity of obtaining antitoxin without having to travel long distances.

Scarlet Fever—The cases of scarlet fever reported during 1903 were 3,265. This is an increase of 858 cases over 1902. During the same period, however, the deaths for 1903 were but 209, as compared with 256 for 1902. This would show that either the disease during the present year has been very much milder than it was during the past year, or what is probably the case, the physicians have reported the cases of scarlet fever attended by them to a much fuller extent.

Measles—The total number of cases of measles reported during 1903 is 4,018. This is a decrease of 1,279 over the previous year.

Small-pox—The number of cases reported to date in this borough is 15. This includes two cases, one from Ellis Island and the other from the Borough of Manhattan. This is 484 cases less than were reported during 1902.

The total number of vaccinations amounted to 26,686, being a decrease of 136,775. This decrease is, of course, to be accounted for by the fact that in the absence of small-pox in considerable proportions it is difficult to obtain vaccinations, and also to the fact that the vaccinating force is not what it was a year ago. There should, however, in my judgment, be no considerable let up in the matter of vaccination. Especially is this true in the public schools, and I would therefore recommend that at least three Vaccinators be appointed who shall devote their entire time to vaccination in the public schools. This vaccination can, to a certain extent, be done by the regular Medical School Inspectors, but it diverts them from their regular duties, and the work will not be, in my judgment, as satisfactorily done as if performed by a corps of Vaccinators who shall systematically go through the public schools offering vaccination to the children.

Tuberculosis—Three thousand and forty-two cases of tuberculosis were reported during the present year, an increase of 490 cases over 1902. This is, in my judgment, an indication that physicians are reporting their cases of tuberculosis much more completely than heretofore. It is certainly true that the physicians are taking advantage to a greater extent than formerly of having the sputum of their patients examined by the Department.

Typhoid Fever—The number of cases of typhoid fever reported this year, 890, is exactly the same as reported in 1902.

Chicken-pox—Nine hundred cases of this disease were reported during 1903, an increase over last year of 462.

Whooping-cough—The reported cases of this disease amounted to 293. Inasmuch as whooping-cough was not required to be reported prior to this year there are no corresponding records of 1902 to be quoted.

Fumigation and Disinfection—The work performed by the fumigating and disinfecting corps has been very satisfactory. Although, unless the force employed for this purpose is increased, I fear that the promptness which has heretofore characterized this work will not prevail to such an extent in the future as it has prevailed in the past.

There is also an increased demand for Drivers of the goods wagons. Both of these matters have already been called to your attention in requisitions which have been forwarded. There is no doubt but that the force at the present employed is entirely inadequate.

Medical School Inspection—This work has gone on during 1903 in as complete a manner as is possible for such work to be carried on, considering the paucity of the force employed. Some of the Medical School Inspectors in this borough have assigned to them ten or twelve schools, and it is impossible for them to cover these schools satisfactorily by a daily inspection. To do the work adequately would require at least ten additional Inspectors.

The work of the Medical School Inspectors has been very materially aided by the efficient services of the Nurses employed in connection with this work.

Summer Corps—The work of the Summer Corps during the summer months of the year 1903 was most satisfactorily performed. In connection with this subject, it is very interesting to note the reduction of the death rate of children under five years of age from diarrhoeal diseases during the months of June, July, August and September on a yearly basis for the following series of years:

1898.....	5,670
1899.....	4,468
1900.....	4,527
1901.....	4,331
1902.....	3,414
1903.....	2,652

The deaths of children under five years of age during the months of July and August, 1903, in the Borough of Brooklyn were 1,703, which is the smallest number of deaths in that age period in any year since 1881, when there were 1,184, notwithstanding the fact that the population in Brooklyn in 1881 was 587,241, whereas in 1903 it is 1,291,597. In this connection it is interesting to note that the census of 1900 showed that Brooklyn had a higher percentage of children under five years of age than Manhattan and The Bronx, the figures being 11.4 per cent. for Manhattan and The Bronx and 11.6 per cent. for Brooklyn.

Division of Inspections.

During the current year there has been a great increase in the number of complaints received. Up to November 30, 11,355 citizens' complaints and 2,300 original complaints by Inspectors have been entered on the records, as against 10,929 of both classes for the year 1902. The investigation of this large number of complaints, together with other work, entailed a severe tax on the Inspectors of this Division. The territory comprised in the Borough of Brooklyn is so large that a given number of inspections represents a much greater expenditure of time than the same number in less scattered districts. The work has been promptly performed, however, delay in reporting upon citizens' complaints being very rare.

Enforcement of Orders.—In my last annual report I set forth the unsatisfactory conditions relative to the enforcement of orders of the Department, because of the lack of a proper agreement as to methods between the Law Department and the Department of Health. After several conferences between representatives of these Departments, a method of procedure was evolved, as contained in the following communication from Mr. James McKeen, Assistant Corporation Counsel in charge:

"I desire to bring to the attention of your Department certain matters connected with the cases which are being transmitted by you to this office for prosecution for violation of sanitary ordinances.

"A month ago, I understand, your Department changed the system which had hitherto been in vogue in handling cases for violation of ordinances. Prior to that time these cases had not been sent to this office until your Department had exhausted its authority and was powerless to compel obedience to its orders. Some time since, however, as I understand, your inspection force was reduced, and it then seemed expedient to you, somewhat in lieu of the more rigid inspections which were hitherto had, to send out formal notice over the name of the Corporation Counsel threatening prosecution if the orders of your Department were not complied with.

"You have, in accordance with this system, sent to me in the past two or three weeks papers in a large number of cases, some forty or fifty a day, these amounting at the present time, I suppose, to over five hundred. Upon receipt of the first of these orders this office prepared and sent out notices to the delinquents over my name, stating that if the order of your Department was not complied with within five days, a prosecution would result, and the papers were thereupon returned to your office for reinspection in each case.

"We have found, however, and doubtless your Department has also found, that this plan does not work well, and if continued will only result in inefficiency. Persons who receive notices call at this office after the papers in the case have gone back to your office, and they call at your office when the papers are here, in either event no proper disposition of the case can be made, and there is always a chance for an embarrassing conflict of authority. Moreover, this office is not equipped to maintain a record of some forty or fifty cases a day in these matters, nor in my judgment is this necessary, since probably not one in ten of the cases will reach a point where a legal prosecution is necessary.

"It has, therefore, seemed to me best after consideration and consultation with your Department, that a system somewhat as follows should be adopted:

"In those cases where your Department is of the opinion that a notice in the name of the Corporation Counsel should be sent to delinquents, your Department should prepare such a notice upon printed forms substantially such as are now used in the Borough of Manhattan, or in such form as may be agreed upon. These notices having been prepared every day or so, Mr. Wilson, the Assistant assigned to this duty, will call at your office, look over the papers in each case and sign the letters. The letterheads will bear the address of your office and most of the delinquents will doubtless call there, and the cases will, I suppose, usually be adjusted at your office.

"When, after exhausting your efforts to compel a compliance with your orders, your Department decides finally upon a prosecution, civil or criminal, all the papers in the case should, I suggest, be sent to this office. Mr. Wilson will, upon certain specified dates, or at such other times as may be convenient, meet your Inspectors at your office or here, and draw complaints. In the criminal cases your officers may then procure a summons or warrant, attend to the arraignment of the prisoners and set a time for examination or trial. Someone connected with your Department should keep a calendar of the various proceedings, and two or three days in advance notify Mr. Wilson, who will attend and conduct the proceedings, I should suggest that, as far as possible, the prosecution be brought in the district where they occur, not only because the statute seems to require this, but because in a meritorious case a magistrate is more likely to hold for an offense committed in his own district than for one committed elsewhere. This would render advisable, if it can be accomplished, reserving certain days for certain courts and setting down as many cases as possible in one court on one day.

"Under some such general system as this, I think the business in this office coming from your Department can be expeditiously and efficiently disposed of, and if this plan meet with the approval of the Board of Health, I would suggest that it adopt, if such be necessary, suitable resolutions to allow it to be put into effect."

The following modification of the method of procedure outlined above was suggested:

"I have examined the proposed method of procedure with Health Department orders, as outlined in a communication from Mr. McKeen, Assistant Corporation Counsel in charge, dated October 7. I desire to call your attention to a portion of this plan (page 3), as follows:

"When, after exhausting your efforts to compel a compliance with your orders, your Department decides finally upon a prosecution, civil or criminal, all the papers in the case should, I suggest, be sent to this office. Mr. Wilson will, upon certain specified dates, or at such other times as may be convenient, meet your Inspectors at your office, or here, and draw complaints."

"In my opinion it would be preferable not to send the papers to the Corporation Counsel's office. I do not see that anything is gained by so doing, as an interview with the Inspector is necessary, in order to draw the complaint, as complaints cannot be drawn from the papers. It would, therefore, appear to me, that forwarding papers to the Corporation Counsel's office would result in delay and confusion. When the Corporation Counsel was prepared to act in a given case, it would, under this plan, be necessary for him to communicate with this office, and to arrange to have the Inspector here.

"I would therefore suggest that instead of forwarding papers to the Corporation Counsel's office, Mr. Wilson should designate two days per week, on which days he would be here at specified hours. I would then arrange to have the Inspectors who have had cases in which a prosecution was necessary, on hand. These cases would have been reinspected beforehand, and the complaint could be drawn at once."

The method of procedure set forth above having been approved by the Board, was adopted. Its practical operation is somewhat as follows:

When orders are returned after reinspection not complied with, a "Counsel's Notice," threatening prosecution, is prepared. These notices are signed by an Assistant from the Corporation Counsel's office, and mailed to the persons against whom the orders have been issued. The orders are held for one week, after which they are issued for reinspection. If again returned not complied with, the order is referred to a Police officer, with the following directions:

Refer to _____ with directions to obtain evidence of ownership, and notify that unless complied with forthwith, prosecution will be commenced. The object of this reference is twofold:

1. To secure compliance with the order, if possible, by bringing it to the direct attention of the responsible person.
2. To secure the necessary legal evidence of responsibility should proceedings in court become necessary.

When the order is returned by the officer with the evidence of responsibility, it is held for one week, and then issued for reinspection with the following directions: These premises are to be reinspected, and if order has not been complied with, report is to be made to the Chief Inspector and Assistant Corporation Counsel in person at office, _____ at 2 p. m.

If upon reinspection the order is found to be still not complied with, the Inspector reports the facts to the Chief Inspector and the Assistant Corporation Counsel, who is at the office of the Department of Health once a week for the purpose of receiving these reports and preparing complaints upon which warrants are obtained.

As a means of ultimately securing compliance with orders, this method has proved fairly effective, as is shown by the fact that it was found necessary to institute criminal proceedings in but 356 cases during the eleven months ending November 30, 5,050 orders having been issued during this period. In some few cases, such as non-resident owners, impossibility of securing evidence of ownership, property in litigation, etc., it fails.

As a means of securing prompt abatement of nuisances, however, the method is sadly deficient. In ordinary cases about six weeks elapses between the receipt of a complaint and the arrest of the delinquent, when arrest becomes necessary. A month generally elapses from the arrest to the disposition of the case in court. In some cases the nuisance continues even after conviction, necessitating a repetition of the legal proceedings. It is small consolation to a citizen into whose premises sewage is flowing from neighboring premises to be informed that the matter is in the hands of the Corporation Counsel, or that the responsible person has been arrested. What he wants is the abatement of the nuisance and he properly believes that the function of the Department of Health is to abate it, as well as to punish the responsible person. Vacation of the premises by the Board is a slow, cumbersome and often ineffective method of dealing with urgent cases of nuisance. Ample power to promptly abate most nuisances seems to be conferred on the Board of Health by the sections of the Charter giving the Board power to execute its orders through its own agents.

A system of procedure which would make possible the prompt use of these powers in urgent cases, and at the same time would protect property owners against the unreasonable exercise of these powers, would largely enhance the appreciation of the efficiency of the Department by citizens.

Sanitary Inspection of Places Where Milk is Sold.

During the year two Inspectors have been assigned exclusively to the sanitary inspection of places where milk is sold. These Inspectors examine all places for which application is made for permits to sell milk. When not so engaged they make systematic inspections of stores where milk is sold throughout the borough. The rule prohibiting the sale of milk in apartments used for sleeping or domestic purposes has been rigidly enforced. Orders to discontinue the sale of milk because of violation of this rule or because of filthy surroundings have been issued. Several hundred permits were revoked because of failure to comply with the above mentioned rules. If the offenders still persisted in selling milk, arrests were made.

Mosquito Extermination.

During the summer months one Inspector with two Laborers was assigned to the duty of oiling stagnant pools which might serve as breeding places for mosquitoes. A volunteer inspector, with the co-operation of the Department of Public Works, undertook the work of extermination in the Paerdegat basin section, in which oiling and some draining was done. The force available for this work was so inadequate, however, that little was accomplished beyond the demonstration of the fact that the problem of mosquito extermination in this borough is a very large one, and that if anything material is accomplished, it will be by the employment of a large force and the expenditure of a large amount of money. The Sanitary Inspectors were also required to report all stagnant pools which might serve as breeding places in their respective districts. By this means and through the work of Dr. B. F. Knause, specially assigned to this work, a systematic survey of the field was obtained.

Orders were issued to nearly all owners of land upon which stagnant water accumulates, to "remove all accumulations of water therefrom, and to keep the land permanently free from such accumulations." Practically nothing in the way of securing compliance with these orders was done. Owners are naturally exceedingly reluctant to make expenditures on non-productive property; further the Assistant Corporation Counsel has held that when land is in a state of nature, the owner having done nothing to create a nuisance thereon, he cannot be held liable in legal proceedings for the accumulation of water thereon. If, therefore, this Department is to succeed in having such stagnant pools filled or drained, it would appear that it can only be accomplished through the co-operation of the Borough President and the Department of Street Cleaning.

Smoke.

After the termination of the great strike in the coal fields, many consumers of coal continued to use bituminous coal, with the usual result of large volumes of smoke. When the Department became assured that anthracite coal was readily obtainable, orders directing the abatement of the smoke nuisance were issued wherever this nuisance existed. In many instances these orders were not obeyed, and arrests were accordingly made. On May 26, a squad of officers were taken along the water-front on the steamboat "Franklin Edson" and arrests made wherever smoke was escaping. On the trial of one of these cases before the Court of Special Sessions, a demurrer was filed on the ground that the provisions of section 134 of the Sanitary Code (now section 96), were unreasonable, in that this section prohibited the discharge of any smoke, however small in volume, a provision with which it would be manifestly impossible to comply. This demurrer was sustained. Demurrers were then filed in nearly all the smoke cases then pending, some thirty or forty in number. Fortunately the court modified its view and refused to sustain the demurrers, holding that the Department of Health had never in any proceedings before the court taken the extreme ground that section 134 prohibited the discharge of any smoke, however small in volume, but had always interpreted this section reasonably and with a view to the abatement of nuisances. This attitude the court has maintained and convictions were obtained in nearly all the smoke cases prosecuted.

The smoke produced by wood-working establishments in burning their refuse continues to present a troublesome problem. There appears to be no method available for disposing of this refuse except by burning, and under existing conditions this cannot be done without producing large volumes of smoke. Some cases of violation of section 134 (96) by these establishments have been prosecuted; the court, however, is inclined to take the view that, as applied to these establishments, this section is unreasonable, so that convictions are not usually obtained.

Another troublesome smoke problem is that of smoke produced in the burning of sugar baskets. From about May to October Java sugar is received in New York in cane baskets. There seems to be no method of disposition of these baskets available, except burning, an operation which results in the production of immense volumes of black smoke unless the greatest care is exercised. A case of violation of section 134 (96) in which the burning of these baskets was the cause of the smoke, was prosecuted, and resulted in the discharge of the defendant.

During the year three civil actions for violation of the law prohibiting the use of soft coal were brought. One of these is still pending. In the others judgments were recovered; an appeal has been taken in one of these cases. This law seems to furnish an efficient means of dealing with the smoke question, and it is intended to proceed under it more frequently in the future, should occasion require it.

Dumps.

During the current year a systematic inspection of the City refuse dumps was maintained. The material dumped was found to be generally free from garbage. Small admixtures of decomposable matter seem, however, to be unavoidable, and this, together with the nuisance caused by the light refuse, paper, etc., being scattered by the winds, leads to numerous complaints against these dumps. Dumping seems a very unsuitable method of disposing of this light combustible refuse. The installation of a suitable number of incinerators, in which this material could be disposed of by combustion, would be a most desirable improvement.

Slaughter-houses.

A careful sanitary inspection of the slaughter-houses, including those for poultry, has been carried on during the year. The general condition of these establishments continues to be satisfactory. Orders for minor improvements have been issued against some of the slaughter-houses, which orders, with few exceptions, were promptly complied with.

In the past the provision of the Sanitary Code prohibiting the driving of cattle, except between the hours of 8 p. m., and one hour after sunrise, were frequently violated. Officers of the Health Squad were frequently detailed to arrest offenders against this section. The co-operation of the Police Department was also secured, so that now the illegal driving of cattle through the streets is almost unknown. Any violation is sure to result in the arrest of the offender.

Dairy Stable Inspection.

The work of cow stable inspection, commenced last year, was unfortunately interrupted because of the necessity of transferring the Inspector assigned to this work to other duty. After several months delay, two Inspectors were made available for this work, which was thereupon resumed. All of the dairy stables in the borough have now been inspected; where the conditions were such that the stable could not be put in sanitary condition, the keeping of cows was ordered discontinued. Where improvements were required, these were ordered. With the exception of about five stables, in which the proceedings have not yet reached a final stage, all the unsanitary cow stables in the borough have been abolished or put in sanitary condition. When this work was commenced in 1902, there were in this borough 167 stables, in which were kept 2,329 cows. At the present time there are 105 stables in which 1,372 cows are kept, showing that 62 unsanitary stables have been abolished. In prosecuting this work it was laid down as a matter of policy that no additional cow stables should be permitted. Some of the cow keepers whose stables were in unsanitary condition were permitted to erect new stables, in accordance with plans filed with the Department of Health. Four such stables have been erected, all in sparsely settled districts, and all, with one exception, provided with connections to the street sewer. The Inspectors are now engaged in the work of raising the standard of cleanliness among the cow stable keepers. In many cases this is a difficult task, but it is hoped by persistent effort to materially improve existing conditions.

In connection with the work of cow stable inspection the water supply of all dairies using water other than City supply has been analyzed. Twenty-three wells were found to be contaminated, and were closed by the Department.

Milk Inspection.

The inspection of milk has been carried on much as in the past. During the eleven months ending November 30, 274 arrests were made for selling adulterated milk, and fines to the amount of \$2,465 were imposed. The courts have co-operated heartily with the Department, convictions being almost invariably obtained in milk cases. One persistent offender was sent to jail for thirty days, without the option of paying a fine.

On August 24 the Milk Inspectors were transferred from the Division of Inspections and placed under the control of the Chief Chemist. Shortly after, the Chemist formerly on duty in Brooklyn was transferred to the main laboratory, where all milk work is now done.

During the summer months attention was given to the enforcement of the section of the Sanitary Code prohibiting the sale of milk the temperature of which is above 50 degrees Fahrenheit. As this is a comparatively new section, it is not as yet fully obeyed. Circulars calling attention to its provisions were distributed to the dealers, and resulted in much increased attention to the proper icing of milk. It is hoped that in another year conditions will permit of the same rigid enforcement of this provision as of the other provisions of the Code relating to milk.

Meat Inspection.

There has been no change in the methods of meat inspection from those followed in the past. An Inspector is stationed at each slaughter-house, where careful examinations are made of the animals on the hoof, followed by post mortem examinations of the slaughtered animals. The markets and retail stores are systematically inspected.

The section of the Code prohibiting the exposure of meat and fish has been rigidly enforced. Many arrests have been made, so that violations of this section are rare.

Food Inspection.

One Inspector is employed in the inspection of fruits and vegetables. The Wallabout Market, being the great distributing centre for these products, most of the time of the Inspector is devoted to this market.

Employment Certificates.

The work of issuing employment certificates has, during the current year, been much improved. Records of all certificates issued are now kept in a form readily consulted.

As in the past, the office facilities during the rush for vacation certificates, proved totally inadequate. Through the courtesy of Mr. Bryan G. Smith, the use of the hall of the Long Island Historical Society as a waiting room for applicants was secured. This resulted in much diminishing the hardships formerly endured by applicants, who were compelled to wait on the street many hours with all attendant discomforts. The sincere thanks of the Department are due to Mr. Bryan G. Smith for his humane act in placing this hall at our disposal.

On October 1 a new law governing the issuance of employment certificates went into effect. The chief points of difference from the old law are in the proof of the age of the applicant, substituting documentary proof for the affidavit of the parent, and in largely increasing the classes of employment for which certificates are required. Many cases arise in which the requirement of documentary proof of the age of the child seems to work great hardship and unjust discrimination. When such proof cannot be furnished, it is usually through no fault of the child or its parents. The law, however, results in an unfair discrimination between children whose birth happens to be recorded or who happen to have a passport and those who are not able to furnish the documents required. Some children are as well developed mentally and physically at thirteen years of age as others at sixteen. I do not wish to argue for any diminution of the age at which children should be permitted to go to work, but it does seem that the test of fitness should be based on physical and mental qualifications, the latter as attested by attendance and attainments at school, rather than on the accidental possession of the proof of age now required by the law.

Court Proceedings.

The work of the division has been much facilitated by the co-operation of the courts, and further by the system of procedure adopted in criminal cases. When a prisoner is now arraigned before a magistrate, the officer is instructed under section 1265 of the Charter to request on behalf of the Department of Health that the case be remitted to Special Sessions. This is invariably done, thus doing away entirely with hearings before the magistrates, diminishing the time required for the completion of the case by one-half, with a corresponding saving of time of inspectors, counsel and officers. When it is considered that during the current year, 646 arrests have been made, the magnitude of this saving may be appreciated.

Some opposition to the operation of this plan was manifested when it was introduced, and an application was made to a Justice of the Supreme Court to compel a magistrate to give a hearing to a prisoner arrested for violations of the Sanitary Code, whose case had been remitted to Special Sessions in accordance with this procedure. The matter was decided adversely to the applicant, so that the present system may be deemed to rest upon sound legal basis.

All of which is respectfully submitted,

JOSEPH H. RAYMOND, M. D.,
Assistant Sanitary Superintendent.

SANITARY BUREAU.
BOROUGH OF QUEENS.

To the Sanitary Superintendent:

I have the honor to submit the following report of work performed in the Borough of Queens for the three quarters ending September 26, 1903:

Division of Inspection.

Summary—

Number of inspections.....	17,890
Number of reinspections.....	5,976
Total	23,866

Number of complaints forwarded for orders.....	2,915
Number of citizens' complaints received.....	1,030
Number of citizens' complaints returned for orders.....	793
Number of citizens' complaints returned negative.....	146

Premises Inspected—

Number of tenement houses.....	718
Number of private dwellings.....	3,594
Number of mercantile establishments.....	399
Number of manufactories and workshops.....	127
Number of stables.....	1,867
Number of sunken and vacant lots.....	706
Number of miscellaneous.....	6,452
Total	13,863

Number of visits to stop work, close stores, etc.....	388
Number of specimens of milk examined.....	301
Number of pounds of goods condemned and destroyed.....	2,410
Number of permits issued.....	1,310
Number of arrests made.....	52
Number of persons held on bail.....	36
Number of persons discharged.....	16

Mercantile—

Number of children interviewed applying for certificates.....	1,480
Number of employment certificates granted.....	999
Number of employment certificates refused.....	7
Number of duplicate certificates issued.....	9
Number of inspections of milk.....	301
Number of inspections of fruit and food.....	3,726

Division of Contagious Diseases.

Summary—

Number of visits to cases of contagious diseases.....	2,656
Number of cases visited for special diagnosis.....	140
Number of cases treated with diphtheria antitoxin.....	55
Number of persons immunized with diphtheria antitoxin.....	57
Number of school notices sent.....	781
Number of complaints forwarded for orders.....	6
Number of visits to tenement houses.....	527
Number of visits to hotels.....	11
Number of visits to schools and institutions.....	2,490
Number of visits to private houses.....	1,884
Number of visits, miscellaneous.....	172
Total number of visits.....	5,084

Number of primary vaccinations.....	90
Number of revaccinations.....	39
Number of vaccinations in schools.....	843
Total number of vaccinations.....	972

Number of certificates of vaccination issued.....	585
Number of animals examined.....	2,249
Number of glandered horses condemned.....	29
Number of persons removed to contagious disease hospitals.....	15
Number of houses visited for disinfection.....	1,249
Number of infected rooms disinfected.....	1,838
Number of times ambulances, etc., disinfected.....	100
Number of pieces infected goods disinfected.....	1,457
Number of pieces infected goods destroyed.....	85
Total number of inspections.....	6,333

Number of Communicable Diseases Reported.

Diphtheria	403
Scarlet fever	340
Measles	423
Tuberculosis	206
Typhoid fever	82
Croup	8
Chicken-pox	96
Pertussis	55
Smallpox	1
Erysipelas	1
Total	1,705

Sanitary Police.

Number of inspections.....	1,830
Number of complaints referred to Inspectors.....	18
Number of complaints for orders.....	524
Number of reinspections.....	1,880
Number of negative reports forwarded.....	1,304
Number of visits to stop work, close stores, etc.....	388

Character of Premises Inspected—

Tenement houses	7
Private dwellings	408
Mercantile establishments	12
Manufactories and workshops.....	23
Stables	30
Sunken and vacant lots.....	40
Miscellaneous	1,319
Total	1,839

Number of arrests made.....	48
Number of persons held on bail.....	32
Number of persons discharged.....	16
Citizens' complaints received.....	106

Veterinarians.

Number of inspections.....	1,096
Number of animals examined.....	2,249
Number of glandered horses destroyed.....	29
Number of stables inspected.....	1,096
Number of complaints forwarded for orders.....	86
Reinspections on orders.....	479
Citizens' complaints received.....	2

Sanitary Inspectors.	Character of Premises Inspected.										Mercantile Establishments.										
	Number of Inspections.	Number of Reinspections.	Number of Citizens' Complaints Received.	Number of Complaints Forwarded for Orders.	Tenement Houses.	Private Dwellings.	Mercantile Establishments.	Manufactories and Work-shops.	Stables.	Sunken and Vacant Lots.	Miscellaneous.	Total.	Number of Specimens of Milk Examined.	Number of Specimens of Milk Collected.	Pounds of Fruit Consumed.	Pounds of Vegetables Consumed.	Number of Children Interviewed Applying for Certificates.	Number of Employment Certificates Granted.	Number of Employment Certificates Refused.	Number of Duplicate Certificates Issued.	Arrests, Held on Bail.
A. W. Jagger, M. D.....	262	165	62	79	29	61	...	...	3	89	80	262	..	..	..	..	..	..	..	..	..
F. J. Maynard, M. D.....	1,436	5	4	10	3	8	9	....	....	....	1,416	1,436	..	..	..	..	1,426	967	6	9	..
T. A. Lehmann, M. D.....	555	586	107	404	73	313	1	6	24	44	94	555	..	..	..	..	..	..	..	..	..
Leo Tobias, M. D.....	323	82	67	112	43	221	....	8	19	19	13	323	..	..	..	..	..	..	..	..	..
M. S. Caldwell, M. D.....	661	33	21	41	2	120	....	....	25	24	490	661	..	..	..	..	..	..	..	..	..
T. B. Buffum, M. D.....	987	374	29	129	1	550	159	7	13	25	232	987	..	..	..	..	..	..	..	..	..
W. E. Sullivan, M. D.....	811	296	71	81	4	70	169	10	12	84	462	811	..	..	..	..	..	..	..	..	..
J. P. Sheridan, M. D.....	614	61	97	138	50	530	....	1	1	10	22	614	..	..	..	..	..	..	..	..	..
W. H. Stewart, M. D.....	1,970	143	8	302	399	486	....	12	286	89	698	1,970	..	..	..	..	..	..	..	..	..
E. J. Lorenze, M. D.....	784	418	130	275	38	....	....	....	308	18	420	784	..	..	..	..	..	..	..	..	..
John Colton, M. D.....	906	833	183	415	52	215	....	39	16	62	522	906	..	..	..	..	..	..	..	..	..
S. Hendrickson, M. D.....	191	7	3	30	1	9	1	....	13	37	130	191	..	..	..	..	54	32	1	..	..
C. A. McConville, M. D.....	54	....	....	19	13	41	....	....	....	....	....	54	..	..	..	..	..	..	..	..	..
A. W. Thompson, M. D.....	411	....	....	26	....	....	....	....	....	19	392	411	..	..	..	..	..	..	..	..	..
E. Byrnes, M. D.....	3,991	53	10	5	....	....	....	....	....	....	....	265	17	1,850	560	..	..	..	..	..	..
John J. Sullivan, M. D.....	36	....	....	....	....	....	....	....	....	....	....	36	36	..	..	..	..	..	..	..	..
C. B. Story, M. D.....	963	561	130	209	3	562	48	21	21	146	162	963	..	..	..	..	..	..	..	..	..
Total.....	14,955	3,617	922	2,305	711	3,186	387	104	741	666	5,133	10,928	301	53	1,850	560	1,480	999	7	9	4

Medical Inspectors.							Number of Visits.											
	Number of Visits to Cases.	Number of Visits to Cases for Special Diagnosis.	Number of Cases Treated with Diphtheria Anti-toxin.	Number of Persons Im-munized with Diphtheria Antitoxin.	Number of School Notices Sent.	Number of Complaints For-warded for Orders.	Tenement Houses.	Hotels.	Private Dwellings.	Schools and Institutions.	Miscellaneous.	Total.	Number of Primary Vac-cinations.	Number of Revaccinations.	Number of Vaccinations in Schools.	Total Number Vaccinations.	Number of Vaccination Certificates Issued.	
A. W. Jagger, M. D.....	95	....	....	....	80	....	27	....	49	41	19	136	....	....	....	....	....
M. S. Caldwell, M. D.....	72	....	....	....	42	....	....	1	69	295	2	367	....	....	64	64	24
T. A. Lehmann, M. D.....	1,080	....	....	3	289	5	339	....	695	321	30	1,385	4	....	165	169	35
C. B. Story, M. D.....	278	....	....	....	89	....	6	4	261	72	7	350	....	....	....	....	....
J. P. Sheridan, M. D.....	704	140	53	49	47	....	81	4	549	150	27	811	....	....	14	14	16
W. E. Sullivan, M. D.....	35	....	....	....	35	1	4	....	30	594	....	628	....	....	75	75	....
C. A. McConville, M. D.....	161	....	....	....	127	....	29	....	80	393	52	554	....	....	94	94	74
T. B. Buffum, M. D.....	15	....	....	....	24	....	....	....	15	414	....	429	....	....	83	83	40
F. J. Maynard, M. D.....	4	....	....	4	....	....	1	....	3	....	....	4	53	16	20	89	89
Leo Tobias, M. D.....	147	....	1	3	48	....	28	....	113	135	5	281	12	....	2	14	17
A. W. Thompson, M. D.....	1	....	....	....	....	....	....	....	....	1	....	1	....	....	300	300	290
W. H. Stewart, M. D.....	10	....	....	....	....	....	1	2	5	7	2	17	....	....	....	....	....
E. J. Lorenze, M. D.....	54	....	1	....	....	....	11	....	15	8	28	62	....	....	....	....	....
S. Hendrickson, M. D.....	....	....	....	....	....	....	....	....	....	....	....	....	21	....	....	21	....
J. C. Reshower, M. D.....	....	....	....	....	....	....	....	....	....	21	....	21	....	....	29	29	....
J. D. Van Derlyn, M. D.....	....	....	....	....	....	....	....	....	....	27	....	27	....	....	17	17	....
M. Mintz, M. D.....	....	....	....	....	....	....	....	....	....	11	....	11	....	....	....	....	....
Total.....	2,656	140	55	57	781	6	527	11	1,884	2,490	172	5,084	90	16	863	969	585	

Medical School Inspection.

Schools.	Total Daily Average Attendance.	Number of Schools Visited.	Number of Visits to Schools.	Number of Pupils Examined.	Number of Pupils Excluded.
Public schools	26,392	105	2,329	293,137	444
Parochial schools	2,500	12	120	8,763	5
Total	28,892	117	2,449	301,900	449

Table Showing Diseases for Which Children were Excluded.

Schools.	Diseases.							Total Number Excluded.
	Measles.	Whooping Cough.	Mumps.	Contagious Eye Diseases.	Pediculosis.	Chicken Pox.	Contagious Skin Diseases.	
Public schools	3	11	4	98	212	13	60	444
Parochial schools	..	..	..	4	..	..	1	5
Total	3	11	4	102	212	13	61	449

Disinfecting Corps.

	Number of Persons Removed to Hospital.	Number of Houses Visited.	Number of Rooms Disinfected.	Number of Times Ambulances and Other Vehicles Disinfected.	Number of Pieces of Infected Goods Disinfected.	Number of Pieces of Infected Goods Destroyed.
John Burns	...	363	466	...	...	...
J. Sharkey	...	511	830	...	...	...
J. Kenney	...	119	151	...	...	...
A. Woods	15	7	...	98	1,437	85
J. Dooley	...	247	391	...	...	...
P. Rudden	...	...	...	2	20	...
Total	15	1,247	1,838	100	1,457	85

Summary of Work Performed.

Number of inspections and reinspections made	30,199
Number of inspections of mercantile establishments	399
Number of Inspectors' complaints made	1,996
Number of citizens' complaints received	1,030
Number of complaints forwarded for orders	2,921
Number of vessel permits issued	31
Number of miscellaneous permits issued	1,279

Number of pounds of foods seized and condemned (fruit, fish, meat, etc.)....	2,410
Number of heads of cattle examined.....	2,249
Number of glandered horses destroyed.....	29
Number of visits to cases of contagious diseases.....	2,656
Number of primary vaccinations performed.....	90
Number of revaccinations performed.....	39
Number of vaccinations performed in schools.....	843
Number of children examined.....	301,900
Number of children excluded from schools.....	449
Number of persons treated with diphtheria antitoxin.....	55
Number of persons immunized with diphtheria antitoxin.....	57
Number of persons removed to hospital.....	15
Number of pieces of infected goods disinfected.....	1,459
Number of pieces of infected goods destroyed.....	85

Respectfully submitted,
SAMUEL HENDRICKSON, M. D.,
Assistant Sanitary Superintendent.

Report of Work Performed in the Sanitary Bureau, in the Borough of Queens, During the First Three Quarters, 1903.

Summary.	First Quarter.	Second Quarter.	Third Quarter.	Totals.
Number inspections and reinspections.....	9,991	11,277	8,931	30,199
Number complaints returned	824	1,159	956	2,939
Number citizens' complaints received.....	245	332	453	1,030
Number arrests made	20	16	16	52
Number held on bail.....	4	16	16	36
Number discharged	16	..	..	16
Number glandered horses destroyed.....	3	6	20	29

DIVISION OF INSPECTION.

Mercantile Establishments.

Number inspections made	247	120	32	399
Milk Inspections—				
Number specimens of milk examined.....	132	107	62	301
Number specimens of milk collected for analysis.....	..	8	45	53
Number milk inspections made.....	132	107	62	301
Fruit and Food Inspections—				
Number pounds fruit condemned and seized.....	..	240	1,610	1,850
Number pounds food condemned and seized.....	..	50	510	560
Number inspections made.....	1,526	1,138	1,062	3,726

DIVISION OF CONTAGIOUS DISEASES.

Total vaccinations	431	403	138	972
Number persons removed to hospital.....	1	8	6	15
Number houses visited for disinfection.....	298	450	501	1,249
Number infected rooms disinfected.....	450	634	754	1,838
Number pieces infected goods disinfected.....	638	550	269	1,457
Number pieces infected goods destroyed.....	23	38	24	85
Medical School Inspection—				
Number schools visited.....	129	117	105	117
Number visits to schools.....	1,174	1,047	228	2,449
Number children examined	134,852	114,038	53,010	301,900
Number children excluded.....	204	138	107	449

Department of Health,
No. 374 Fulton Street, Jamaica, Borough of Queens,
New York, December 2, 1903.

To the Sanitary Superintendent:

Sir—I have the honor to submit the following general report of work performed by the Sanitary Bureau in the Borough of Queens, for the year 1903:

Sanitary Inspections.

This includes investigation of citizens' complaints, visits to contagious diseases, inspections of premises, inspections of schools, inspections of foods and offensive trades, inspections of mercantile establishments and issuance of employment certificates.

The total number of inspections and reinspections show an increase of 75 per cent. above the total of 1902, notwithstanding the fact that in the number of citizens' complaints received, there was only a very slight increase, about 5 per cent.

Sanitary inspections and reinspections show an increase of 150 per cent.; visits to contagious diseases, 100 per cent.; visits for disinfection, 75 per cent.; visits to schools, 15 per cent.; inspections and reinspections by the Veterinarian, about 50 per cent.; inspections and reinspections by the Milk Inspector show a large decrease, owing to the fact that during a large portion of the year the milk inspection has been in charge of the Division of Inspection of Milk in Manhattan; inspections and reinspections by Fruit and Food Inspector show an increase of 60 per cent.; inspections and reinspections by Sanitary Officers an increase of 70 per cent.; the number of Inspectors' complaints received have increased 125 per cent.

During the summer a thorough and daily inspection was made of Rockaway Beach and Far Rockaway by a Sanitary Inspector, two sanitary officers and myself. The sanitary conditions are very much improved. The removal of garbage was more promptly done, and complaints received from this section were very few in number. The summer population of these places is an ever increasing one, which in the height of the season is estimated, including day visitors, at over 100,000.

The number of inspections and reinspections made was 35,369, as follows:

Sanitary inspections and reinspections.....	16,909
Visits to contagious diseases.....	3,230
Visits to contagious diseases for disinfection.....	1,422
Inspections of schools.....	3,095
Inspections and reinspections by Veterinarian.....	1,947
Inspections and reinspections by Milk Inspector.....	323
Inspections by Fruit and Food Inspector.....	3,985
Inspections and reinspections by Sanitary Officers.....	4,458

Total..... 35,369

Citizens' complaints received	1,197
Inspectors' complaints received	2,134
Number of orders issued	2,315
Number of vessel permits issued.....	47
Number of miscellaneous permits issued.....	1,503
Number of employment certificates issued.....	1,110

Number of orders of vacation issued against premises for non-compliance with orders, 16, as follows:

No. 14. Fourth street, near Vernon avenue, Long Island City, defective plumbing.

No. 16. Pine street and Collins place, Flushing, defective drainage and unsanitary conditions.	
No. 25. No. 229 DeBevoise avenue, Long Island City, defective plumbing.	
No. 26. No. 37 Wilbur avenue, Long Island City (front), existence of nuisance.	
No. 27. No. 37 Wilbur avenue, Long Island City (rear), existence of nuisance.	
No. 29. Seventeenth street, near Seventh avenue, College Point, defective drainage.	
No. 33. Main avenue, Douglaston, existence of nuisance.	
No. 34. Sixth street, near Broad, Maspeth, defective drainage and existence of nuisance.	
No. 40. Central and Norton avenues, Far Rockaway, existence of nuisance and want of repair.	
No. 42. Eighteenth street, near Seventh avenue, Whitestone, defective drainage and unsanitary conditions.	
No. 43. Amerman avenue, Arverne, defective drainage and want of repair.	
No. 48. Merrick road and Springfield avenue, existence of nuisance.	
No. 58. Atlantic, near Hoffman avenue, Chester Park, existence of nuisance.	
No. 151. Town Hall, Jamaica, defective plumbing and want of repair.	
No. 41. Nos. 70 and 72 Union street, Flushing, defective plumbing and existence of nuisance.	
No. 49. No. 209 Elm street, Long Island City, defective plumbing and existence of nuisance.	
Orders complied with before vacation.....	8
Work in progress	5
Houses vacated after notice.....	3
Number of orders referred to Tenement House Department.....	164
Number of orders referred to all other departments.....	221
Number of orders outstanding	527
Amount of food condemned and destroyed, pounds.....	2,410

Contagious Diseases.

The number of contagious diseases reported show a decrease of about 10 per cent. below 1902, but because of more thorough disinfection the work of this division has increased to a marked degree.

The reported cases of diphtheria is about 25 per cent. greater than 1902, with deaths 96 as against 81 in 1902, a mortality rate less than 18 per cent.

Cultures are taken in probably 75 per cent. of all cases, either by the attending physician or by this Department on request.

Antitoxin is used much more freely and attending physicians are urged to use it by our Inspectors whenever opportunity offers. The amount given out for free distribution from this office was:

72 vials No. 4 (units, each).....	2,000
50 vials No. 4a (units, each).....	1,000
1 vial No. 5 (units, each).....	2,000
68 vials No. 5a (units, each).....	3,000
1 vial No. 6 (units, each).....	2,000
2 vials No. 6a (units, each).....	3,000

Total units used for 1903, 406,000.

This is an increase over 1902 of 257,000 units.

There was an increase in the reported cases of tuberculosis of over 40 per cent., with a decrease in deaths from 211 to 164. In every case reported, the attending physician is visited by an Inspector, unless the request is made to visit the patient, which rarely happens, for the purpose of getting information and giving instructions for the proper observance of sanitary measures. The only exception is in cases reported from tenement houses which are visited directly by the Inspector. In all cases where proper care cannot be given at home, the removal of the patient to the hospital is urgently recommended.

In every case of typhoid fever, the premises are visited by an Inspector, a thorough sanitary inspection made, and every endeavor made to trace the source of infection.

There has not been a single case of small-pox in the borough this year.

There have been 2,051 cases of contagious diseases reported for year 1903, as follows:

Diphtheria	548
Scarlet fever	372
Measles	480
Tuberculosis	361
Typhoid fever	115
Croup	8
Chickenpox	104
Whooping cough	63
Total	2,051

Number of cases removed to contagious disease hospital, 15.

This is an increase over 1902 of—

Diphtheria	105
Scarlet fever	8
Tuberculosis	107
Whooping Cough	43

And a decrease of—

Measles	226
Typhoid fever	87
Parotiditis	1
Croup	16
Chickenpox	57
Smallpox	57

Vaccinations have been performed in all schools where required, at this office, and at homes whenever requested.

Number of primary vaccinations.....	103
Number of revaccinations.....	16
Number of vaccinations in schools.....	1,423

Total..... 1,542

Number of cases of glanders reported and destroyed, 41.

Cow Stables.

Inspections of cow stables have been regularly and persistently made by Drs. Stewart, Lorenze, the Veterinarian and the Assistant Sanitary Superintendent.

There are approximately 400 cow stables in the borough, and in the neighborhood of 12,000 cows. There is a marked improvement in all sanitary conditions, and by keeping these places under constant observation, the improvement should continue.

Number of inspections and reinspections.....	3,540
Number of inspections and reinspections by Sanitary Inspectors.....	1,685
Number of inspections and reinspections by Veterinarian.....	1,855
Number of sanitary orders issued on cow stables.....	90
Number of sanitary orders complied with.....	63
Number of nuisance orders issued.....	53
Number of nuisance orders complied with.....	39
Number of cows sent to the public pound.....	640

Ponds.

The inspection of mosquito-breeding ponds in the borough has been thorough and effective. Nearly 50 per cent. of orders issued against these premises have been complied with. In other cases where work is in progress, the orders are held for reinspection; all others have been placed in the hands of the Corporation Counsel. Ten barrels of oil were distributed during the summer on the most prolific breeding ponds.

Number of pond orders issued, 137.

Order No.	Premises.	Date of Issue.	Disposition
442	Eleventh avenue and Thirty-fifth street, Whitestone.....	Mar. 19	Held for reinspection.
443	Between Whitestone and Flushing.....	Mar. 19	Complied with.
444	Twelfth street, between East and Van Alst avenues, Long Island City.....	Mar. 19	Corporation Counsel.
445	One Hundred and fifty feet east of Laurel Hill avenue.....	Mar. 19	Corporation Counsel.
447	Van Dam and Gale streets, Long Island City.....	Mar. 19	Complied with.
448	Thirteenth street, between East and Van Alst avenues.....	Mar. 19	Corporation Counsel.
449	Nott, Hunter and Jackson avenues, Long Island City.....	Mar. 19	Corporation Counsel.
490	Briell avenue, near Jamaica avenue, Long Island City.....	Mar. 23	Complied with.
491	Flushing avenue and Newtown turnpike, Corona.....	Mar. 23	Corporation Counsel.
492	Flushing avenue and Newtown turnpike, Corona.....	Mar. 23	Corporation Counsel.
519	Perry and Columbia avenues, Maspeth.....	Mar. 25	Corporation Counsel.
520	Metropolitan avenue and Linden Hill Cemetery, Metropolitan.....	Mar. 25	Held for reinspection.
521	Flushing avenue, Metropolitan.....	Mar. 25	Held for reinspection.
522	Flushing avenue, near Mount Olivet avenue, Maspeth.....	Mar. 25	Held for reinspection.
523	Clinton avenue and Long Island Railroad, Maspeth.....	Mar. 25	Held for reinspection.
524	Clinton and Fisk avenues, Maspeth.....	Mar. 25	Held for reinspection.
525	Clinton and Fisk avenues, Maspeth.....	Mar. 25	Held for reinspection.
526	Flushing avenue, near Mount Olivet avenue, Maspeth.....	Mar. 25	Held for reinspection.
527	Mount Olivet avenue, near Flushing avenue, Maspeth.....	Mar. 25	Held for reinspection.
528	Vincent street, near Fresh Pond road.....	Mar. 25	Held for reinspection.
529	Vermont avenue, near Cypress avenue, Evergreen.....	Mar. 25	Held for reinspection.
530	Metropolitan avenue, near Hempstead turnpike, Middle Village.....	Mar. 25	Held for reinspection.
531	Metropolitan avenue, near Bowne avenue, Middle Village.....	Mar. 25	Held for reinspection.
532	Fisk avenue and Main street, Maspeth.....	Mar. 25	Complied with.
533	Juniper avenue and Fulton avenue, Maspeth.....	Mar. 25	Held for reinspection.
545	Perry and Columbia avenues and Long Island Railroad, Maspeth.....	Mar. 26	Held for reinspection.
546	Perry and Columbia avenues and Long Island Railroad, Maspeth.....	Mar. 26	Held for reinspection.
549	Seventh street, near Tenth avenue, Whitestone.....	Mar. 26	Complied with.
550	Between Whitestone and Flushing.....	Mar. 27	Held for reinspection.
551	Between Rockaway road and South street, Jamaica.....	Mar. 27	Held for reinspection.
552	Park avenue, near Highland avenue, Jamaica.....	Mar. 27	Held for reinspection.
554	Blackstump road, near Hillside avenue, Jamaica.....	Mar. 27	Held for reinspection.
606	Northwest of Grand street, Corona.....	Apr. 2	Complied with.
607	Northwest of Grand street, Corona.....	Apr. 2	Complied with.
608	Smith and Evergreen avenues, Corona.....	Apr. 2	Complied with.
609	Smith avenue, Corona.....	Apr. 2	Held for reinspection.
610	Hoffman Boulevard, Whitepot.....	Apr. 2	Held for reinspection.
611	Trainsmeadow road, Elmhurst.....	Apr. 2	Held for reinspection.
612	Central and Lafayette avenues, Glendale.....	Apr. 2	Held for reinspection.
621	East side of Blackstump road.....	Apr. 2	Complied with.
713	Near Hillside avenue, Jamaica.....	Apr. 17	Held for reinspection.
714	North of Fresh Meadow road, Jamaica.....	Apr. 17	Held for reinspection.
716	Evergreen Cemetery.....	Apr. 20	Held for reinspection.
717	Thirteenth avenue and Nineteenth street, Whitestone.....	Apr. 20	Held for reinspection.
718	Between Van Alst and Ely avenues, Long Island City.....	Apr. 20	Complied with.
719	Ely avenue and Lincoln street, Long Island City.....	Apr. 20	Complied with.
720	Bradley and Borden avenues, Long Island City.....	Apr. 20	Complied with.
721	Nott avenue, between Jackson and Thompson avenues, Long Island City.....	Apr. 20	Complied with.
722	Boulevard, Edgemere.....	Apr. 20	Complied with.
723	Bell avenue, north of Titus avenue, Bayside.....	Apr. 20	Complied with.
724	Between Thirteenth and Fourteenth avenues, Long Island City.....	Apr. 20	Held for reinspection.
725	Boulevard, near Life-saving Station, Arverne.....	Apr. 20	Complied with.
726	Vandine avenue, near Flushing avenue, Jamaica.....	Apr. 20	Held for reinspection.
826	Jamaica Heights, north of Fulton street, Jamaica.....	Apr. 30	Held for reinspection.
869	Seventeenth street, near High street, College Point.....	May 6	Complied with.
862	North of Fulton street, Jamaica.....	May 6	Held for reinspection.
870	Webster avenue, near Jackson avenue, Long Island City.....	May 6	Held for reinspection.
871	Eighth and Jackson avenues, Long Island City.....	May 6	Complied with.
872	Park avenue, Corona.....	May 6	Held for reinspection.
873	Corner of Woolsey and Grand avenues, Long Island City.....	May 6	Complied with.
874	Adjoining No. 345 Hamilton street, Long Island City.....	May 6	Complied with.
875	Bell avenue, near Bayside avenue, Bayside.....	May 6	Held for reinspection.
876	Jackson avenue, between Arch and Ninth streets, Long Island City.....	May 6	Complied with.
878	Between Crescent and Hunter avenues, Long Island City.....	May 6	Complied with.
879	Cooper street, north of Grand avenue, Corona.....	May 6	Complied with.
880	Taylor and Woolsey streets, Long Island City.....	May 6	Complied with.
881	Eighth street, between East and Jackson avenues, Long Island City.....	May 6	Complied with.
882	Metropolitan avenue, Middle Village.....	May 6	Held for reinspection.
883	Blackstump road, near Hillside avenue, Jamaica.....	May 6	Held for reinspection.
884	Twentieth street and Cypress avenue, Flushing.....	May 6	Complied with.
885	Farm of R. Bell, Bayside.....	May 6	Held for reinspection.
886	Prospect street, Elmhurst.....	May 6	Held for reinspection.
887	Noble and Hamilton streets, Long Island City.....	May 6	Complied with.
888	Bell avenue, Bayside.....	May 6	Complied with.
889	Lots on South street, Jamaica.....	May 6	Complied with.
890	Lots on South street, Jamaica.....	May 6	Complied with.
891	Near Pleasant avenue, Rockaway Beach.....	May 6	Complied with.
892	Flushing avenue, north of trolley track.....	May 6	Held for reinspection.
893	Near Long Island Railroad, Springfield.....	May 6	Held for reinspection.
894	Near Long Island Railroad, Springfield.....	May 6	Held for reinspection.

Order No.	Premises.	Date of Issue.	Disposition
895	North of Highland avenue, Jamaica.....	May 6	Held for reinspection.
896	North of Highland avenue, Jamaica.....	May 6	Held for reinspection.
897	North of Highland avenue, Jamaica.....	May 6	Held for reinspection.
898	Highland avenue, near trolley, Jamaica.....	May 6	Complied with.
899	Property of State Normal School, Jamaica.....	May 6	Complied with.
907	Walnut street, Richmond Hill.....	May 7	Held for reinspection.
929	Blackstump road and Grand street.....	May 12	Held for reinspection.
930	Between Grand and Bergen avenues, Jamaica.....	May 12	Held for reinspection.
931	Corner of Bell avenue and Broadway, Bayside.....	May 12	Complied with.
932	Bradish avenue, near Bell avenue, Bayside.....	May 12	Complied with.
933	South side of Broadway, Bayside.....	May 12	Complied with.
934	Bayside avenue, Bayside.....	May 12	Complied with.
935	Bell and Crocheron avenues, Bayside.....	May 12	Held for reinspection.
937	Near Garrison's Hotel, Bayside.....	May 12	Complied with.
938	Corner of Bell and Crocheron avenues, Bayside.....	May 12	Complied with.
939	Foot of Crocheron avenue, Bayside.....	May 12	Complied with.
940	Property of C. M. Gould, Bayside.....	May 12	Held for reinspection.
941	Neptune avenue, Edgemere.....	May 12	Complied with.
945	Nos. 136 and 138 Eighth street, Long Island City.....	May 12	Complied with.
951	Goodrich street and Hoyt avenue, Long Island City.....	May 12	Complied with.
957	East of Flushing avenue, Jamaica.....	May 12	Complied with.
973	Broadway, near Queens avenue, Flushing.....	May 14	Complied with.
974	Whitestone and Bayside avenues, Flushing.....	May 14	Complied with.
1025	Whitestone avenue, near Bayside avenue, Flushing.....	May 18	Complied with.
1027	Flushing road, Jamaica.....	May 18	Complied with.
1026	West of Leavitt's house, Bayside.....	May 18	Complied with.
1131	Jamaica plank road, near Grant avenue.....	May 21	Complied with.
1145	Thirteenth street, near Monument street, College Point.....	May 26	Complied with.
1146	Near North Boulevard, College Point.....	May 26	Complied with.
1178	Broadway and Hopkins avenue, Long Island City.....	June 2	Held for reinspection.
1184	Whitestone road and Bayside avenue, Bayside.....	June 2	Complied with.
1334	Webster avenue, between Seventh, Eighth and Jackson avenues, Long Island City.....	June 2	Held for reinspection.
1335	Webster avenue, between Seventh, Eighth and Jackson avenues, Long Island City.....	June 2	Held for reinspection.
1336	Farmers' avenue and South street, Hollis.....	June 2	Held for reinspection.
1391	Linwood street, Richmond Hill.....	June 2	Complied with.
1392	Linwood street, near Atlantic avenue, Richmond Hill.....	June 2	Complied with.
1393	Linwood street, Richmond Hill.....	June 2	Held for reinspection.
1421	Main avenue, Douglaston.....	June 29	Held for reinspection.
1504	Flushing road, between Flushing and Jamaica.....	July 8	Held for reinspection.
1567	Fulton avenue, corner of Morris avenue, Richmond Hill.....	July 15	Held for reinspection.
1598	Corona avenue and Orchard avenue, Corona.....	July 20	Work in progress.
1767	Fifth street, between Howell and Anderson avenues, Woodside.....	Aug. 7	Held for reinspection.
1810	Jackson avenue, east of car barn.....	Aug. 13	Held for reinspection.
1893	Read's lane, Far Rockaway.....	Aug. 20	Held for reinspection.
1918	Borden avenue, east of Van Alst avenue, Long Island City.....	Aug. 24	Held for reinspection.
1996	Seventeenth and Eighteenth avenues, Long Island City.....	Sept. 8	Held for reinspection.
2042	Nott and Jackson avenues, Long Island City.....	Sept. 14	Held for reinspection.
2114	Cooper avenue, between Wyckoff and Cypress avenues, Evergreen.....	Sept. 29	Work in progress.
2158	Review avenue, near Borden avenue, Long Island City.....	Oct. 8	Held for reinspection.
2160	Dry Harbor road, north of Juniper Swamp road.....	Oct. 12	Held for reinspection.
2176	East of Flushing road, Jamaica.....	Oct. 13	Held for reinspection.
2178	Washington avenue, near Wyckoff avenue, Evergreen.....	Oct. 15	Work in progress.
2179	Washington avenue, between Cooper and Wyckoff avenues, Evergreen.....	Oct. 15	Work in progress.
2203	Pomeroy street, near Webster avenue, Long Island City.....	Oct. 21	Held for reinspection.
2215	Gale and Van Dam streets, Long Island City.....	Oct. 23	Held for reinspection.
2216	Gale and Van Dam streets, Long Island City.....	Oct. 23	Held for reinspection.
2227	Jackson avenue, between First and Fourth streets, Woodside.....	Oct. 26	Held for reinspection.

School Inspections.

School inspections are very satisfactory and in charge of six Inspectors. There are 80 schools in the borough, with an average attendance of 30,000 pupils, besides the parochial schools, which are also visited. Every pupil is inspected at least once in each week, and sanitary inspections of the buildings made once a month or oftener.

Number of visits to schools.....	3,095
Number of children examined.....	482,642
Number of children excluded.....	637

Disinfection Station.

The quantity of goods and the number of premises from which goods have been removed has increased very considerably, necessitating the almost constant use of four horses, two goods wagons and at least three trips each week to the Kingston Avenue Hospital by both wagons.

The purchase of the Haacke farm and the establishment of a disinfecting station there will lessen the work of this division to a very large extent.

Number of disinfections performed.....	1,422
Number of removals of goods for disinfection.....	1,457

Arrests.

Number of arrests.....	54
Number of criminal actions.....	60
Number of criminal actions pending.....	1
Number of convictions.....	44
Number of acquittals.....	15
Number of civil actions commenced.....	4
Number of civil actions discontinued.....	2
Number of civil actions pending.....	2

Amount of fines imposed and collected, \$557.

Respectfully submitted,

SAMUEL HENDRICKSON, M. D.,
Assistant Sanitary Superintendent.

Department of Health,
Richmond Terrace, New Brighton, Borough of Richmond,
New York, December 2, 1903.

CHARLES F. ROBERTS, M. D., Sanitary Superintendent:

Dear Sir—In compliance with your letter of November 7, I have the honor to submit the following report of the work of this Department in the Borough of Richmond for the year 1903:

Division of Contagious Diseases.

The contagious diseases reported to this Department for the year 1903 remain about the same as last year. There were 194 cases of diphtheria reported, which is an increase over previous years; 89 cases of scarlet fever, 261 cases of measles and 56 cases of typhoid fever.

Typhoid fever this year has been decidedly on the decrease. Upon examination of all the cases of typhoid fever reported to this Department we found but two cases that had their origin in this borough. The others were contracted away, the disease developing after their return to the island.

Tuberculosis has been steadily on the increase. This may be due to the fact that the physicians are complying with the regulations of the Department in reporting cases. We had one case of small-pox reported from the United States Marine Hospital, which was removed to North Brother Island by this Department.

Disinfection.

The Department of Health, in the early part of this year, acquired from the Department of Public Charities a section of land situated at the County Farm, for the erection of a disinfecting plant. This building was completed in the early part of July and was put in operation at once.

Goods and infected clothing are removed from houses where contagious diseases have occurred, both private and public, to the sterilizing plant to be disinfected, and are returned the same day.

The Department has carried out the rules and regulations in regard to disinfection and fumigation, using formaldehyde in all cases. We have disinfected every case of contagious disease that has occurred in this borough.

The disinfecting plant is modern in every respect, and thoroughly equipped to carry out the work of this Department. Its erection and object has been thoroughly appreciated by the medical profession throughout the county.

We had experienced some difficulty in removing goods from the outlying districts as promptly as could be desired for the reason that the disinfecting plant is not centrally situated. We have recently acquired additional horses and wagons, which has overcome this trouble.

Vaccination.

The Medical School Inspectors have carried on a systematic vaccination in the public schools, and I am informed, and the records of the Department show, that there is not a single child attending the public schools in the Borough of Richmond who has not been vaccinated within the time required by the Department.

Culture Stations.

The establishment of five culture stations in the Borough of Richmond has been of the very greatest service to the public and aid to the physicians, enabling them to make an early diagnosis in cases of contagious disease, diphtheria, typhoid fever and tuberculosis, and I believe they have taken advantage of the opportunity in all cases to have cultures examined. The stations are now operating to my perfect satisfaction and to the profession.

Antitoxin.

The free distribution of antitoxin still continues. Very great demands are being made upon the Department for it, and it is being depended upon very generally for immunization and treatment.

Medical School Inspection.

Every school in this borough is inspected once a day by the Medical School Inspectors of this Department. There have been very few exclusions from schools, and I believe that the supervision over the schools has been the means of lessening contagious disease to a very great extent. Medical School Inspectors have also had supervision over the sanitary condition of the schools.

There have been two cases of trachoma reported by the Medical School Inspectors which were treated by their own physicians.

Mosquito Work.

Mr. Henry Clay Weeks, the expert, by direction of the President, visited this borough during the summer, and made a survey of a large area of swamp land lying on the south shore of Staten Island, with the object of reclaiming it and lessening the breeding ground for mosquitoes. Mr. Weeks made his report to you and the necessary survey was made and the maps drawn and papers filled out and served upon the President of the Borough, and I have the honor to inform you that the survey has been made of the land lying from South Beach to New Dorp, and the work of draining this marsh land will be begun in the early spring.

Two of our Medical Inspectors, Drs. Wisely and Love, were assigned to Mr. Weeks to make inspections of all sunken lots, stagnant pools, lakes and water courses, to ascertain the presence of the larvæ of the anopheles mosquito. These localities have been plotted, and where it has been possible, orders have been served upon the owners of the land where this swamp land exists to fill in the property and abate the nuisance.

During the summer months Dr. Tobias was put in charge of a gang of laborers who constantly oiled a very large mosquito area with crude oil, but I cannot see that the results of this method were satisfactory. Great care had to be observed in this operation, as many of these ponds and brooks led to the general water supply, which did not permit the use of the oil as freely as we desired.

Notices were sent out with every order and communication in regard to mosquito developing conditions, and the Sanitary Inspectors were notified to instruct tenants and owners of property in regard to cisterns, rain-water barrels, etc., which I think has been of great benefit in lessening the development of mosquitoes.

We have had but very few cases of malarial fever reported to this Department, they having been received at the United States Marine Hospital, and had developed elsewhere.

Sanitary Inspections.

The subdivision of the borough into districts and appointing a Sanitary Inspector to each district and making him responsible for his district, has enabled them to cover the entire borough and has materially lessened the citizens' complaints, and the result of this system has been very satisfactory.

During the year Sanitary Inspector Smith died and his position has not been filled. Sanitary Inspector Santry has been transferred to the Borough of Manhattan. The loss of these two Inspectors has materially lessened the working force of this Department.

There have been but few orders issued to comply with sanitary regulations which have not been complied with. The orders of the Department requiring all houses on the line of public sewers to discontinue the use of cesspools and privy vaults and connect their houses with the public sewer has been carried out, and at present a very large percentage of the orders issued have been complied with. Some are now pending in the Corporation Counsel's office for the reason that it is impossible for them to connect on account of the grade of the sewers and the inefficiency of the water supply to properly flush the fixtures. The activity in the Corporation Counsel's office in bringing cases to suit has been the means of having so many orders complied with.

Milk Inspection.

The inspection of the dairies under the charge of Dr. P. K. Nichols, Veterinarian of this Department, has been very thorough, and I believe that, with few exceptions, the dairies are in first-class condition. There have been quite a number of small dealers who have been obliged to abandon their business on account of these orders, and I think it has been of very great benefit. In other cases, the dairies have been brought up to the requirements of the Department, in the establishment of cooling apparatus and proper milk houses. There were seven cases for milk adulteration, etc., in court and the offenders punished.

Dr. Nichols should be complimented for the faithful and painstaking manner in which he has performed his duties in regard to the inspection of dairies.

During the summer months special care was taken in the supervision of the milk supply of infants, and the rules of the Department enforced among dealers in preserving the temperature of the milk disposed of.

The two Milk Inspectors assigned to this borough have to cover a very large district. Notwithstanding this, I am of the opinion that the milk of every producer and dealer has been inspected at least once a week.

With this report I forward to you the statistical report for the three quarters ending September 30, 1903.

The clerical work of the office, under the charge of Mr. Charles E. Hoyer, Assistant Chief Clerk, has been carried on to my perfect satisfaction, and the clerks and other employees of this Department have been conscientious and competent in the discharge of their respective duties.

Very respectfully submitted,

JOHN T. SPRAGUE, M. D.

Assistant Sanitary Superintendent.

SANITARY BUREAU.

BOROUGH OF RICHMOND.

To the Sanitary Superintendent:

I have the honor to submit the following report of work performed in the Borough of Richmond for the quarters ending March 28, June 27 and September 26, 1903:

Division of Inspection.

Summary—

Number of inspections.....	10,352
Number of reinspections.....	5,798
Total	16,150

Number of complaints forwarded for orders.....	1,555
Number of citizens' complaints received.....	481
Number of citizens' complaints returned for orders.....	391
Number of citizens' complaints returned negative.....	90

Premises Inspected—

Number of tenement houses.....	38
Number of private dwellings.....	2,772
Number of mercantile establishments.....	554
Number of manufactories and workshops.....	143
Number of stables.....	817
Number of sunken and vacant lots.....	349
Number of miscellaneous.....	759
Total	4,920

Number of visits to stop work, close stores, etc.....	7
Number of specimens of milk examined.....	2,858
Number of pounds of foods condemned and destroyed.....	1,162
Number of permits issued.....	1,301
Number of arrests made.....	8
Number of persons held on bail.....	5
Number of persons discharged.....	2

Mercantile—

Number of citizens' complaints received.....	2
Number of complaints returned for orders.....	1
Number of children interviewed applying for certificates.....	269
Number of employment certificates granted.....	231
Number of employment certificates refused.....	38
Number of duplicate certificates issued.....	2
Inspected milk.....	3,190
Inspected other foods.....	1,786

Division of Contagious Diseases.

Summary—

Number of visits to cases of contagious diseases.....	1,685
Number of cases visited for special diagnosis.....	7
Number of cases treated with diphtheria antitoxin.....	7
Number of persons immunized with diphtheria antitoxin.....	32
Number of school notices sent.....	501
Number of complaints forwarded for orders.....	1
Number of visits to tenement houses.....	164
Number of visits to hotels.....	22
Number of visits to schools and institutions.....	2,634
Number of visits to private houses.....	1,026
Number of visits miscellaneous.....	136

Total number of visits..... 3,982

Number of primary vaccinations.....	78
Number of revaccinations.....	1
Number of vaccinations in schools.....	234

Total number of vaccinations..... 313

Number of certificates of vaccination issued.....	157
Number of animals examined.....	7,671
Number of post-mortems on animals.....	27
Number of glandered horses condemned.....	10
Number of persons removed to contagious disease hospitals.....	7
Number of houses visited for disinfection.....	357
Number of infected rooms disinfected.....	638
Number of times ambulances, etc., disinfected.....	15
Number of pieces infected goods disinfected.....	501
Number of pieces infected goods destroyed.....	12

Total inspections..... 4,339

Number of Communicable Diseases Reported.

Year.	Diphtheria.	Scarlet Fever.	Measles.	Tuberculosis.	Typhoid Fever.	Laryng. Diph.	Chicken Pox.	Whooping Cough.	Mumps.	Favus.	Trachoma.	Erysipelas.	Smallpox.	Total.
First quarter	63	26	62	56	19	3	42	22	18	1	2	3	..	317
Second quarter	73	35	116	49	14	1	49	41	26	..	..	3	1	408
Third quarter	59	28	83	40	23	..	19	11	2	..	..	..	..	265
Total.....	195	89	261	145	56	4	110	74	46	1	2	6	1	990

Sanitary Inspectors.	Number of Inspections.	Number of Reinspections.	Number of Citizens' Complaints Received.	Number of Complaints Forwarded for Orders.	Character of Premises Inspected.										Total.	Number of Specimens of Milk Examined.	Number of Specimens of Milk Collected.	Pounds of Fruit Condensed.	Pounds of Vegetables Condensed.	Pounds of Confectionery Condensed.	Pounds of Meat Condensed.	Pounds of Fish Condensed.	Pounds of Poultry and Game Condensed.	Samples of Drugs Taken.	Number of Children Interviewed Applying for Certificates.	Mercantile Establishments.				Arrests.	Discharged.
					Tenement Houses.	Private Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Stables.	Sunken and Vacant Lots.	Miscellaneous.	Number of Employment Certificates Granted.	Number of Employment Certificates Refused.	Number of Duplicate Certificates Issued.																	
Santry	323	755	71	188	5	236	..	1	1	2	78	323	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
McMullen	510	1,273	71	193	6	409	..	..	3	4	88	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morrison	304	570	24	131	5	99	27	125	12	3	33	304	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Smith	156	372	3	72	..	126	9	3	3	..	15	156	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stoddard	1,708	269	37	65	3	34	487	2	..	96	1,086	1,708	..	..	..	..	..	128	..	..	..	..	..	..	..	..	..	..	..
Dr. Tobias	253	53	5	98	2	22	..	..	4	211	14	253	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dr. Love	2	3	2	2	..	2	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dr. Mars	25	..	..	..	..	..	25	..	..	..	..	25	..	..	..	..	..	51	..	13	..	..	..	..	..	..	..	..	..
Dr. Mechtold	1	..	1	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kerr	218	..	..	..	..	..	..	..	..	..	218	218	..	..	370	565	10	..	25	..	32	..	..	..	..	..	..	..	..
Kerr	809	..	..	..	..	..	..	..	..	..	809	809	791	743	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seguine	1,134	..	..	..	..	..	..	..	..	..	1,134	1,134	818	201	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wolf	1,247	..	..	..	..	..	..	..	..	..	1,247	1,247	1,249	331	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Office .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	269	231	38	2	..	..	..	..
Total.....	6,690	3,295	224	750	21	928	548	131	23	316	4,723	6,690	2,858	1,275	370	565	10	179	25	13	32	269	231	38	2	1	1	1	1		

Sanitary Police—

Number of inspections.....	2,479
Number of complaints referred to Inspectors.....	6
Number of complaints for orders.....	774
Number of nuisances abated by personal effort.....	8
Number of reinspections.....	2,408
Number of negative reports forwarded.....	98
Number of visits to stop work, close stores, etc.....	7

Character of Premises Inspected—

Tenement houses.....	17
Private dwellings.....	1,844
Mercantile establishments.....	6
Manufactories and workshops.....	12
Stables.....	58
Sunken and vacant lots.....	33
Miscellaneous.....	509

Total 2,479

Mercantile Establishments—

Number of citizens' complaints received.....	2
Number of complaints returned for orders.....	1
Number of arrests made.....	7
Number of persons held on bail.....	5
Number of persons discharged.....	1

Shore Inspectors.

	Number of Inspections.	Number of Horses.	Number of Dogs.	Number of Cats.	Number of Goats.	Number of Sheep.	Number of Hogs.	Number of Fowl.	Number of Fish.	Pieces of Meat.	Pieces of Bedding.	Pieces of Clothing.	Number of Mattresses.	Total.
Rush	211	1	133	75	11	9	7	50	37	83	12	52	163	633
Hoolihan	229	..	258	123	11	24	19	107	74	56	36	39	54	801
Total.....	440	1	391	198	22	33	26	157	111	139	48	91	217	1,434

Veterinarians—

Number of inspections.....	743
Number of animals examined.....	7,671
Number of post-mortems on animals.....	27
Number of glandered horses destroyed.....	10
Number of stables inspected.....	736
Number of complaints forwarded for orders.....	31
Reinspections.....	95
Horses tested with Mallein.....	1

Medical Inspectors.

Medical Inspectors.	Number of Visits to Cases.	Number of Visits to Cases for Special Diagnosis.	Number of Cases Treated with Diphtheria Anti-toxin.	Number of Persons Im-munized with Diphtheria Antitoxin.	Number of School Notices Sent.	Number of Complaints For-warded for Orders.	Number of Visits.					Number of Primary Vac-cinations.	Number of Revaccinations.	Number of Vaccinations in Schools.	Total Number Vaccina-tions.	Number of Vaccination Certificates Issued.	
							Tenement Houses.	Hotels.	Private Dwellings.	Schools and Institutions.	Miscellaneous.						Total.
Dr. Mechtold	127	5	....	....	47	....	14	....	80	383	26	503	16	....	18	34	7
Dr. De Revere.....	362	....	....	....	75	1	79	5	216	379	14	693	3	....	49	52	41
Dr. Callahan	385	1	5	6	58	....	24	1	239	528	5	797	5	....	37	42	15
Dr. F. Wood	111	1	1	....	60	....	18	2	69	269	4	362	7	1	13	21	5
Dr. Wisely	250	....	1	26	97	....	27	9	194	377	16	623	8	....	48	56	8
Dr. Wooley	5	....	....	....	2	....	....	....	3	34	....	37	....	....	....	....	....
Dr. Hochlerner	8	....	....	....	2	....	2	....	6	365	62	435	3	....	28	31	2
Dr. Love	436	....	....	....	51	....	....	5	218	299	9	531	....	....	41	41	3
Dr. Tobias	1	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....
Dr. Sprague .....	....	....	....	....	109	....	....	....	....	....	....	....	36	....	....	36	76
Total.....	1,685	7	7	32	501	1	164	22	1,026	2,634	136	3,982	78	1	234	313	157

Medical School Inspection.

Public Schools—	
Total daily average attendance.....	8,700
Number of schools visited.....	33
Number of visits to schools.....	2,565
Number of pupils examined.....	45,649
Number of pupils excluded.....	387

Table Showing Diseases for Which Children Were Excluded.

Public Schools—	
Measles.....	2
Diphtheria.....	2

Whooping cough	8
Mumps.....	12
Contagious eye diseases.....	41
Pediculosis.....	182
Chickenpox.....	8
Contagious skin diseases.....	116
Miscellaneous.....	16

Total number excluded 387

Disinfecting Corps.	Number of Persons Re-moved to Hospitals.	Number of Houses Visited.	Number of Rooms Disin-fected.	Number of Times Ambu-lances and Other Ve-hicles Disinfected.	Number of Pieces of In-fected Goods Disinfected.	Number of Pieces of In-fected Goods Destroyed.
Lyman .....	...	256	460	...	...	...
Doran .....	...	18	31	...	...	...
Kenney .....	...	41	72	...	...	...
Dooley .....	...	42	75	...	...	...
Thompson .....	...	...	...	...	501	12
Gorman	7	...	...	15	...	...
Total	7	357	638	15	501	12

Summary of Work Performed.

Number of inspections and reinspections made.....	20,489
Number of inspections of mercantile establishments.....	42
Number of Inspectors' complaints made.....	1,164
Number of citizens' complaints received.....	481
Number of complaints forwarded for orders.....	1,556
Number of vessel permits issued.....	103
Number of miscellaneous permits issued.....	1,198
Total number of permits issued.....	1,301
Number of pounds of foods seized and condemned (fruit, fish, meat, etc.)....	1,162
Number of heads of cattle examined.....	7,671
Number of glandered horses destroyed.....	10
Number of visits to cases of contagious diseases.....	1,685
Number of primary vaccinations performed.....	78
Number of revaccinations performed.....	1
Number of vaccinations performed in schools.....	234
Total number of vaccinations performed.....	313
Number of children examined.....	45,049
Number of children excluded from schools.....	387
Number of persons treated with diphtheria antitoxin.....	7
Number of persons immunized with diphtheria antitoxin.....	32
Number of persons removed to hospital.....	7
Number of pieces of infected goods disinfected.....	501
Number of pieces of infected goods destroyed.....	12
Number of chemical analyses made.....	793

Respectfully submitted,

JOHN T. SPRAGUE, M. D., Assistant Sanitary Superintendent.

To the Board of Health, Department of Health, City of New York:

Gentlemen—I have the honor to transmit the report of the Bureau of Records for the year 1903.

GENERAL STATISTICS.

Births.

There were 94,755 births reported during the year, as compared with 85,644 reported during 1902, an increase of 9,111 in the entire City, this increase being distributed among the boroughs as follows: Manhattan, 3,787; The Bronx, 833; Brooklyn, 3,785; Queens, 604, and Richmond, 102. This increase in the number reported was due to the active interest displayed by the Assistant Registrars of all the boroughs in urging the physicians and midwives to report all births occurring in their practice, in some instances going so far as prosecuting the delinquents in the courts. These 94,755 births represent a birth rate of 25.38 per 1,000 of a population estimated at 3,732,903, this rate being at least 5 per 1,000 short of the true birth rate.

The recent enactment of legislation compelling applicants for employment certificates, entitling them to go to work between the ages of fourteen and sixteen years, to furnish either a transcript of the record of birth on file in the Bureau of Records or of a religious record, and the action of the educational authorities making the production of a record of birth a requisite to enter the lowest classes in the Primary Departments of overcrowded schools bid fair to awaken in the minds of the parents the necessity of having the births of their children properly recorded, and will unquestionably lead to a more faithful compliance with the law upon the part of the medical attendant.

The following table shows the number of births reported and the birth rates in the different boroughs since the formation of the Greater City in 1898:

Births Reported and Birth Rates by Boroughs, 1898 to 1903.

Borough.	1898. Number of Births.	Rate.	1899. Number of Births.	Rate.	1900. Number of Births.	Rate.
Manhattan	49,835	27.54	48,397	26.44	50,494	27.27
The Bronx	3,524	21.07	3,671	19.96	4,122	20.40
Brooklyn	21,395	19.54	21,203	18.73	22,572	19.30
Queens	2,826	20.62	2,943	20.27	3,084	20.06
Richmond	1,348	21.14	1,418	21.67	1,449	21.57
City of New York.....	78,928	24.12	77,632	23.13	81,721	23.72

Borough.	1901. Number of Births.	Rate.	1902. Number of Births.	Rate.	1903. Number of Births.	Rate.
Manhattan	49,990	26.68	52,291	27.59	56,078	29.26
The Bronx	4,023	18.11	5,220	21.38	6,053	21.30
Brooklyn	22,182	18.35	23,507	18.81	27,292	21.13
Queens	3,127	19.20	3,198	18.54	3,802	20.83
Richmond	1,413	20.50	1,428	20.18	1,530	21.07
City of New York.....	80,735	22.83	85,644	23.58	94,755	25.38

Marriages.

The number of marriages reported during the year was 38,174, as against 36,207 during 1902, an increase of 1,967, the increase by boroughs being as follows: Manhattan, 1,145; The Bronx, 127; Brooklyn, 602; Queens, 87; Richmond, 6.

The following table shows the number of marriages reported and the marriage rate per 1,000 in the different boroughs since the formation of the Greater City in 1898:

Marriages Reported and Marriage Rates by Boroughs, 1898 to 1903.

Borough.	1898. Number of Marriages.	Rate.	1899. Number of Marriages.	Rate.	1900. Number of Marriages.	Rate.
Manhattan	20,118	11.12	20,836	11.36	21,979	11.87
The Bronx	651	3.89	904	4.92	948	4.69
Brooklyn	7,129	6.51	7,612	8.48	8,214	6.94
Queens	636	4.64	710	4.89	768	5.00
Richmond	351	5.50	412	6.30	428	6.37
City of New York.....	28,885	8.83	30,474	9.07	32,247	9.36

Borough.	1901. Number of Marriages.	Rate.	1902. Number of Marriages.	Rate.	1903. Number of Marriages.	Rate.
Manhattan	22,895	12.22	24,766	13.07	25,911	13.52
The Bronx	1,067	4.80	1,227	5.03	1,354	4.76
Brooklyn	8,303	6.87	9,014	7.21	9,616	7.44
Queens	777	4.72	768	4.45	855	4.68
Richmond	405	5.88	432	6.11	438	6.03
City of New York.....	33,447	9.46	36,207	9.97	38,174	10.23

The marriage rates of the different boroughs, as shown above, are considerably below what they are actually, with the exception of the Borough of Manhattan, in which the reported marriage rate approximates the true rate.

Deaths.

The actual number of deaths that occurred during the year was 67,864, representing a death rate of 18.18 per 1,000, against 18.75 per 1,000 in 1902. Since consolidation the death rates per 1,000 were as follows:

Borough.	1898.	1899.	1900.	1901.	1902.	1903.
Manhattan	20.28	19.77	20.99	20.55	19.40	19.30
The Bronx	22.42	20.23	21.52	21.60	20.21	17.75
Brooklyn	19.77	19.13	20.09	19.25	17.88	17.18
Queens	18.69	17.29	17.95	17.20	16.13	14.65
Richmond	20.48	19.45	20.52	19.51	18.12	16.93
City of New York.....	20.26	19.47	20.57	20.00	18.75	18.18

The following table represents the number of deaths in each borough, of residents of the other boroughs and a corrected interborough death rate per 1,000 for the year 1903:

Corrected Deaths and Death Rates by Boroughs for the Year 1903.

	Man-hattan.	The Bronx.	Brooklyn.	Queens.	Rich-mond.	Total.
Manhattan .....	.....	254	250	32	16	552
The Bronx	1,211	.....	24	6	4	1,245
Brooklyn	138	3	.....	66	3	210
Queens	51	1	80	.....	.....	132
Richmond	48	.....	10	1	.....	59
Total	1,448	258	364	105	23	2,198
Death Rate (corrected).....	19.77	14.07	17.30	14.50	16.31	18.18

The death rate of 19.11 for the former City of New York is the lowest on record, the next lowest was 19.49 in the year 1902, and it will be found necessary to go back to the year 1814 in order to find a rate (19.66) to approximate either of these two; considering that back in the beginning of the nineteenth century quite a number of deaths were not reported to the authorities, it must be conceded that intelligent sanitary supervision guided by the onward march of medical science has been chiefly instrumental in bringing about this wholesale saving of human life. The following table gives the death rates of the former City of New York since the organization of the Board of Health in 1866 up to date:

General Death Rate Per 1,000, Old City of New York, 1866 to 1903.

Year.	Death Rate.	Year.	Death Rate.	Year.	Death Rate.	Year.	Death Rate.
1866.....	34.92	1876.....	27.11	1886.....	25.99	1896.....	21.84
1867.....	28.65	1877.....	23.66	1887.....	26.32	1897.....	20.03
1868.....	29.25	1878.....	23.68	1888.....	26.39	1898.....	20.46
1869.....	28.09	1879.....	24.13	1889.....	25.32	1899.....	19.81
1870.....	28.81	1880.....	26.41	1890.....	24.87	1900.....	21.04
1871.....	28.22	1881.....	31.04	1891.....	26.31	1901.....	20.66
1872.....	33.70	1882.....	29.61	1892.....	25.95	1902.....	19.49
1873.....	29.63	1883.....	25.80	1893.....	25.30	1903.....	19.11
1874.....	27.87	1884.....	25.82	1894.....	22.76		
1875.....	29.40	1885.....	25.55	1895.....	23.18		

The number of deaths in the entire City from the principal causes is compared in the following table with that of the preceding year and the increases or decreases noted:

Cause of Death.	1902.	1903.	Increase in 1903.	Decrease in 1903.
Typhoid fever	764	653	....	111
Malarial fever	125	90	....	35
Smallpox	310	5	....	305
Measles	710	508	....	202
Scarlet fever	940	734	....	206
Whooping cough	605	324	....	282
Diphtheria and croup.....	2,015	2,190	175	....
Influenza	157	418	261	....
Dysentery	254	157	....	97
Pulmonary tuberculosis	7,569	8,020	451	....
Other tubercular diseases.....	1,314	1,284	....	30
Cancer, sarcoma	2,450	2,608	158	....
Diabetes	471	488	17	....
Alcoholism	345	630	285	....
Diseases of nervous system.....	5,478	5,234	....	244
Diseases of circulatory system.....	5,931	5,770	....	161
Bronchitis, acute and chronic.....	2,283	1,836	....	447
Pneumonia, lobar and broncho.....	9,377	9,714	337	....
Diarrhœal diseases, under two years.....	4,938	4,443	....	495
Diarrhœal diseases, two years and over.....	829	680	....	149
Other diseases of digestive organs.....	2,812	2,803	....	9
Bright's disease and acute nephritis.....	5,461	5,636	175	....
Puerperal diseases	642	637	....	5
Congenital debility and malformation.....	3,278	3,695	417	....
Old age	959	811	....	148
Homicide	127	137	10	....
Suicides	772	805	33	....
Accidents	2,853	3,126	273	....
Ill-defined causes	1,499	1,120	....	379
All other causes.....	2,843	3,308	465	....
Total.....	68,112	67,864	3,057	3,305
Balance	248			248

Typhoid Fever.

There were 653 deaths reported from this cause as having occurred during the year, a decrease of 111 as compared with 1902. The death rate per 10,000 from this disease in the former City of New York from 1873 to 1903 is given in the following table:

Deaths and Death Rates from Typhoid Fever, Old City of New York, per 10,000, 1873 to 1903.

Year.	Deaths.	Death Rates.	Average Decennial Death Rate.
1873	313	3.10	3.28
1874	305	2.96	
1875	376	3.60	
1876	325	3.02	
1877	343	3.10	
1878	321	2.81	
1879	268	2.28	
1880	372	3.08	
1881	594	4.77	
1882	516	4.03	
1883	625	4.74	2.87
1884	476	3.51	
1885	405	2.90	
1886	433	3.01	
1887	421	2.85	
1888	364	2.39	
1889	397	2.53	
1890	352	2.18	
1891	384	2.31	
1892	400	2.34	
1893	381	2.17	1.78
1894	326	1.80	
1895	322	1.72	
1896	297	1.56	
1897	299	1.54	
1898	376	1.90	
1899	294	1.46	
1900	372	1.81	
1901	412	1.97	
1902	399	1.86	
1903	350	1.60	

The foregoing table shows a decrease of 50 per cent. in the death rate, comparing that of 1903 with the decennial average rate of 1873 to 1882. There were 2,462 cases of typhoid fever reported during the year in the boroughs of Manhattan and The Bronx, as compared with 2,629 cases reported in 1902; if we compare either of these figures with the average for the preceding ten years, which was 1,241 cases, the conclusion may be drawn that this apparent increase, compared with the decreasing death rate, was due to one of two causes, either there has been a great increase in the prevalence of the disease coincident with the discovery of a therapeutic agent of undoubted value, or that the practising physicians of the City have taken advantage of the facilities of the Department offered for the more accurate diagnosis of this disease and consequently have reported cases occurring in their practise much more regularly than in the past. This latter is undoubtedly the true explanation of the apparent increase. In the absence of any known specific in the treatment of this disease, it is only fair to presume that the preventive measures instituted and carried on by this department have been of signal service in keeping this disease under control.

Malarial Fevers.

There were 90 deaths from malarial fevers during the year, as compared with 125 for 1902, a decrease of 35 deaths. The introduction of the Widal test for the diagnosis of typhoid fever in 1898 and the investigation of deaths reported from malarial fevers since 1902 have served to decrease the number of deaths from this disease, 250 deaths having been reported therefrom in 1898 as compared with 95 in 1903.

Small-pox.

There were 5 deaths reported from this disease as against 310 in 1902, a decrease of 305 deaths.

In the year 1902, 810,000 vaccinations and in 1903, 215,000 were performed; this unprecedented number reduced the number of cases reported in the latter year to 43. These figures serve to again impress upon us the necessity for constant and compulsory vaccination and revaccination, and, until we emulate the example set by the German Government in this regard, we must expect that the periodic visitation of this disease will again occur within five or six years.

Measles and Scarlet Fever.

In 1902 there were reported 710 deaths from measles, as compared with 508 in 1903, a decrease of 202 deaths. Nine hundred and forty deaths were reported in 1902 from scarlet fever, as compared with 734 in 1903, a decrease of 206 deaths.

The following table, which is a continuation of the one published in the Annual Report for 1902, shows that in both these diseases the tendency toward a decreased death rate still prevails; the decrease in the rate from scarlet fever being a phenomenal one when the present rate is compared with that existing twenty-five to thirty-five years ago; the decennial rate of the period 1873 to 1882 was 9.22 per 10,000 of entire population; 1883 to 1892, 5.37 per 10,000; 1893 to 1902, 2.51 per 10,000, and in 1903, 2.13 per 10,000; that is to say that, if the rate as it existed during the first decennium mentioned prevailing during the year 1903, there would have been 2,016 deaths chronicled in the boroughs of Manhattan and The Bronx (old City of New York), in lieu of the 465 deaths which actually occurred.

The death rate per 10,000 from measles for the decennium 1873 to 1882 in the old City of New York was 3.23; 1883 to 1892 was 4.63, and in 1893 to 1902 was 2.51; in 1903 the rate was 1.47.

A glance at the scarlet fever rate in the table will show that the greatest decrease has been since this disease was quarantined in 1888; the measles rate does not show the relative decrease as shown in the scarlet fever rate, in great measure due to the fact that official intervention amounted to very little in the former disease, but since 1896, when measles was quarantined, the decrease in the rate has been much more marked; since 1896 it has been noticed that in every other year measles appears with greater frequency and intensity.

Measles will always be with us until parents have their eyes opened to the extremely dangerous consequences following upon exposure to existing cases and to neglect in treatment thereof when contracted. As is well known, its infectivity during the catarrhal stage, that is, before the appearance of the rash, is the great drawback in controlling efficiently epidemics of this disease.

Number of deaths and death rates per 10,000 of the population from measles and scarlet fever in the former City of New York from 1873 to 1902, inclusive:

Year.	Measles		Scarlet Fever	
	Deaths.	Death Rate.	Deaths.	Death Rate.
1873.....	306	3.1	1,045	10.6
1874.....	319	3.1	879	8.5
1875.....	167	1.6	514	4.9
1876.....	362	3.4	891	8.3
1877.....	155	1.4	983	8.9
1878.....	272	2.4	1,099	9.7
1879.....	244	2.1	1,477	12.6
1880.....	479	4.0	618	5.1
1881.....	429	3.4	1,964	15.8
1882.....	913	7.1	2,066	16.1
1883.....	716	5.4	744	5.6
1884.....	762	5.6	608	4.5
1885.....	736	5.3	559	4.0
1886.....	668	4.6	371	2.6
1887.....	767	5.2	589	4.0
1888.....	591	3.9	1,361	8.9
1889.....	470	3.0	1,242	7.9
1890.....	730	4.5	408	2.5
1891.....	663	4.0	1,220	7.4
1892.....	864	5.1	977	5.7
1893.....	393	2.2	551	3.1
1894.....	584	3.2	541	3.0
1895.....	793	4.2	468	2.5
1896.....	714	3.7	402	2.1
1897.....	391	2.0	500	2.6
1898.....	416	2.3	523	2.6
1899.....	379	1.9	332	1.6
1900.....	470	2.3	315	1.5
1901.....	272	1.3	625	3.0
1902.....	462	2.2	635	3.0
1903.....	327	1.5	465	2.1

Whooping Cough.

Three hundred and twenty-four deaths were reported from this disease in 1903, a decrease of 282 deaths from the number (606) reported in 1902.

The following table gives the number of deaths and death rates (annual and decennial) per 10,000 of the entire population in the old City of New York. The rates show a gradual decrease from previous years, a decrease the credit for which must be looked for elsewhere than in the supervision by the Health authorities, as isolation and disinfection have not been deemed advisable or applicable to this disease; the physicians of the city as a rule, recommend the bringing of the sick one out into the sunshine as a necessary adjunct to medication, and by this means the contagion is undoubtedly spread through direct contact as well as by the expectoration which subsequently dries and is conveyed through the atmosphere as dust.

Number of Deaths and Death Rate (Annual and Decennial) Per 100,000 of Population from Whooping Cough—Old City of New York, 1873 to 1903.

Year.	Number of Deaths.	Death Rates.	
		Annual.	Decennial.
1873.....	268	2.73	3.22
1874.....	489	4.74	
1875.....	407	3.90	
1876.....	406	3.77	
1877.....	440	3.97	
1878.....	382	3.35	
1879.....	537	4.57	
1880.....	277	2.29	
1881.....	286	2.30	
1882.....	658	5.14	
1883.....	327	2.48	2.99
1884.....	490	3.61	
1885.....	495	3.54	
1886.....	575	4.00	
1887.....	188	1.27	
1888.....	573	3.76	
1889.....	647	4.13	
1890.....	487	3.02	
1891.....	352	2.12	
1892.....	371	2.17	
1893.....	542	3.08	1.89
1894.....	272	1.50	
1895.....	496	2.65	
1896.....	435	2.28	
1897.....	308	1.59	
1898.....	442	2.24	
1899.....	350	1.74	
1900.....	318	1.55	
1901.....	159	0.76	
1902.....	385	1.80	
1903.....	187	0.86	

Diphtheria and Croup.

In 1903 there occurred 2,190 deaths from this disease, with a death rate 58.7 per 100,000 of the population, as compared with 2,015 deaths and a death rate of 55.5 per 100,000 in 1902, a slight increase. For statistics for previous years the reader is referred to page 387 of the Annual Report of this Department for the year of 1902.

Influenza.

Two hundred and sixty-one more deaths were attributed to influenza in 1903 than in 1902, the figures being 418 and 157 respectively. More than 80 per cent. of these deaths occurred in the first four months of the year, and we shall see in analyzing the deaths from pneumonia that the increased death rate from pneumonia, as compared with last year, was due to the prevalence of this infectious disease. Almost 90 per cent. of the deaths attributed directly to influenza were over five years of age; it is especially fatal among old people, and is probably infectious from the expectation of a person suffering from this disease. In touching upon the deaths from pneumonia, the effect of influenza will be shown as to the increase of deaths at different age periods, as compared with the previous year.

Pulmonary Tuberculosis.

There were 8,020 deaths reported, producing death rate of 2.15 per 1,000 from this disease during 1903, as compared with 7,569 deaths and a death rate of 2.08 per 1,000 during 1902. The lowest death rate from this disease in the old City of New York was reached in 1902, when a death rate of 2.29 per 1,000 was reached, there having been a gradual decline in the rate from the year 1870, in which year the rate stood at 4.27 per 1,000; in 1903 it was 2.41 per 1,000. The reasons for the increase are not apparent, although the severity of the type of influenza in the early part of the year, as compared with that of the preceding year accounts in part for it; the efforts of the sanitary officials abated not a jot in the struggle to modify its ravages; medical and charitable organizations did not relax in their endeavors to hold it in check, and at the time of the present writing (July, 1904) the returns for the first half of the year show an increase the equal in proportion to that of 1903 over 1902.

The increasing demand for the establishment of municipal sanatoria for the segregation and treatment of tuberculosis ought to receive an impetus that shall make it all the more necessary for immediate action to be taken in this direction.

Cancer.

The number of deaths reported from cancer were 2,608, producing a death rate of 699 per million of the population, as compared with 2,450 deaths and a death rate of 674 per million in 1902. The following table gives the number of deaths and death rates per million of population from cancer in the old City of New York, from 1873 to date. It is evident that there has been a large apparent increase in the death rate from this disease, and the question naturally arises, how much of this increase is due to more accurate diagnosis in this age of surgical advance? If we compare the rates of the year 1873 with 1903 we find an increase of 77 per cent. In the old City of New York in 1873 the percentage of deaths from external cancer was 28 and from internal cancer 72 of all deaths from cancer, while in 1902 in the Borough of Manhattan the percentage of external cancer on all cancer deaths was 16 and of internal cancer was 84.

In 1873 deaths from cancer of the breast was 13 per cent., and from cancer of stomach, liver and intestines 40 per cent. of all deaths from cancer, while in 1903 the first mentioned was 9 per cent. and the last mentioned 53 per cent. of all deaths from cancer; in 1873 the percentage of deaths from cancer of the female genital organs was 28 per cent. of all cancerous deaths, and in 1903 in Manhattan was 16.4 per cent.; the percentage of male deaths in 1873 was 33 to 67 of female deaths, and in 1903 the figures were 40 per cent. male and 60 per cent. female, the numerical ratio of the sexes varying only 1 per cent. in the census of 1870 compared with that of 1900. The average age of death of both sexes from cancer in 1873, based upon five-year periods, was 48 years; in 1903 it was 51.6 years. During the decennium 1873-1882 the average death rate from this disease was 423, during that of 1883-1892 it was 554, and during that of 1893-1902 it was 642 per million of the population. These figures tend to show that the death rate from cancerous deaths has apparently increased; that this apparent increase has taken place in the internal or inaccessible cancers, and among males rather than females. The increase is only partly accounted for by more accurate diagnosis and improved certification of causes of death; it seems that there is an actual increase, several causes having been advanced in explanation, among them the freer use of alcoholic beverages and tobacco, syphilis and increased consumption of meat, but to what extent these causes operate is not yet positively known.

Deaths and Death Rates per 1,000,000 of population, from Cancer in Old City of New York, 1873 to 1903.

Year.	Number of Deaths.	Rate.	Year.	Number of Deaths.	Rate.
1873.....	425	433	1889.....	848	541
1874.....	416	404	1890.....	954	592
1875.....	424	406	1891.....	902	543
1876.....	459	427	1892.....	996	583

Year.	Number of Deaths.	Rate.	Year.	Number of Deaths.	Rate.
1877.....	495	447	1893.....	993	565
1878.....	570	500	1894.....	1,022	565
1879.....	572	487	1895.....	1,030	550
1880.....	659	545	1896.....	1,141	598
1881.....	706	567	1897.....	1,217	627
1882.....	732	572	1898.....	1,260	637
1883.....	678	514	1899.....	1,321	656
1884.....	731	539	1900.....	1,473	717
1885.....	754	540	1901.....	1,567	748
1886.....	779	542	1902.....	1,536	718
1887.....	832	562	1903.....	1,683	770
1888.....	870	571			

Nervous System.

There were 5,234 deaths from diseases of this system reported in 1903, as against 5,478 during 1902, a decrease of 244 deaths. The following table gives the number of deaths and death rate per 10,000 for a series of years in the old City of New York: Deaths and Death Rate Per 10,000 of Population from Disease of the Nervous System, Old City of New York, 1873 to 1903.

Year.	Number of Deaths.	Rate.	Year.	Number of Deaths.	Rate.
1873.....	2,811	28.62	1889.....	3,491	22.28
1874.....	2,451	23.78	1890.....	3,210	19.90
1875.....	2,436	23.32	1891.....	3,342	20.14
1876.....	2,663	24.76	1892.....	3,655	21.40
1877.....	2,378	21.47	1893.....	3,751	21.33
1878.....	2,410	21.13	1894.....	3,465	19.15
1879.....	2,486	21.16	1895.....	3,429	18.30
1880.....	2,788	23.05	1896.....	3,359	17.62
1881.....	3,274	26.31	1897.....	3,344	17.23
1882.....	2,968	23.17	1898.....	3,175	16.06
1883.....	2,810	21.31	1899.....	3,190	15.84
1884.....	3,018	22.24	1900.....	3,091	15.05
1885.....	3,241	23.21	1901.....	3,404	16.25
1886.....	3,123	21.73	1902.....	3,449	16.12
1887.....	3,589	24.26	1903.....	3,241	14.83
1888.....	3,529	23.18			

The decennial averages per 10,000 of population were as follows: 1873 to 1882, 20.69; 1883 to 1892, 21.92; 1883 to 1902, 17.20. The rate for 1903 was 14.83 per 10,000.

Acute Bronchitis.

The number of deaths occurring in 1903 from this cause was reported as 1,560, as compared with 1,898 in 1902, a decrease of 338; this falling off was due entirely to the fact that in the year 1903, the prevalence of measles was much less than in 1902, and consequently we find that there were 329 less deaths under five years of age than in the previous year; influenza though of a severer type in 1903 than in 1902, increased not at all the deaths from this disease at the ages of forty-five and upwards, while a considerable increase in the number of deaths from pneumonia at these ages took place and was undoubtedly due to influenza as a causal agent.

Chronic Bronchitis.

The number of deaths from this disease (276) was 109 less in 1903 than in 1902. The General Medical Officer of the Department having taken the position that chronic bronchitis as a cause of death in persons over five and under sixty-five years was insufficient and too indefinite unless complicated by some acute or chronic organic disease or diseases, started an inquiry as to the presence of these latter in those deaths in which chronic bronchitis was given as the sole cause of death with the above result.

Lobar and Broncho Pneumonia.

An increase of 337 deaths was reported in 1903 over 1902, the figures being 9,714 and 9,377, respectively. The increase in the number of deaths from these causes was at the ages of twenty-five to eighty-five years and over, a marked decrease occurring at the ages under five years, this latter undoubtedly being due to the absence of as severe an epidemic of measles as in 1902, the former following as a sequence to the presence of influenza in severer form than the year previous.

The following table gives the deaths from broncho and lobar pneumonia combined, at different age periods for years 1902 and 1903; if the deaths at ages under twenty-five be compared a decrease of 634 will be found in favor of the year 1903, but if the deaths at ages over twenty-five be compared an increase of 971 will be found to have taken place.

Deaths from Lobar and Broncho Pneumonia at Different Age Periods, Years 1902 and 1903.

Ages.	Number of Deaths.	Number of Deaths.	Decrease	Increase
	1902.	1903.	in 1903.	in 1903.
Under five years.....	4,999	4,355	644	....
Five to nine years.....	250	236	14	....
Ten to fourteen years.....	80	86	....	6
Fifteen to nineteen years.....	139	157	....	18
Twenty to twenty-four years.....	243	243	....	....
Twenty-five to twenty-nine years....	315	341	....	26
Thirty to thirty-four years.....	342	401	....	59
Thirty-five to thirty-nine years.....	357	460	....	103
Forty to forty-four years.....	333	411	....	78
Forty-five to forty-nine years.....	314	397	....	83
Fifty to fifty-four years.....	333	459	....	126
Fifty-five to fifty-nine years.....	339	413	....	74
Sixty to sixty-four years.....	333	486	....	153
Sixty-five to sixty-nine years.....	320	420	....	100
Seventy to seventy-four years.....	283	331	....	48
Seventy-five to seventy-nine years....	203	250	....	47
Eighty to eighty-five years.....	113	164	....	51
Eighty five years and over.....	81	104	....	23
.....	.....	.....	658	995
Balance .....	.....	.....	337	.....

The following table gives the total number of deaths from all causes, pneumonia and pulmonary tuberculosis, the percentage of the latter two upon the former, the annual and decennial death rates per 1,000 of population in the old City of New York from 1870 to 1903. The increase in the rates from pneumonia and the decrease from pulmonary tuberculosis is clearly brought out; much has been done to stamp out tuberculosis, with excellent results, and why should not steps be taken to lessen the mortality from this greater scourge? Lobar pneumonia is now considered by reliable authorities an infectious disease, and its increase of late years calls for official care and watchfulness, and possibly intervention.

Deaths and Death Rates from Pneumonia and Pulmonary Tuberculosis, Old City of New York (Present Boroughs of Manhattan and The Bronx), 1870 to 1903.

Year.	Pneumonia.				Pulmonary Tuberculosis.			
	Total Deaths.	Deaths.	Percentage of Total.	Death Rate per 1,000 Population.	Total Deaths.	Deaths.	Percentage of Total.	Death Rate per 1,000 Population.
1870	27,175	1,836	6.76	1.95	4,030	14.8	4.27	
1871	26,976	1,834	6.80	1.92	4,186	15.5	4.38	
1872	32,647	2,150	6.58	2.22	4,274	13.1	4.41	
1873	29,084	2,328	8.00	2.37	4,134	14.2	4.21	
1874	28,727	2,398	8.35	2.33	4,034	14.0	3.91	
1875	30,709	2,802	9.12	2.68	4,172	13.6	3.99	4.02
1876	29,152	2,542	8.72	2.36	4,194	14.4	3.90	
1877	26,203	2,148	8.20	1.94	4,044	15.4	3.65	
1878	27,008	2,288	8.47	2.01	4,466	16.5	3.92	
1879	28,342	2,554	9.01	2.17	4,343	15.3	3.70	
1880	31,937	2,822	8.84	2.33	4,706	14.7	3.89	
1881	38,624	3,261	8.44	2.62	5,312	13.8	4.27	
1882	37,924	3,472	9.16	2.71	5,247	13.8	4.10	
1883	34,011	3,409	10.02	2.59	5,290	15.6	4.01	
1884	35,034	3,159	9.02	2.33	5,235	14.9	3.86	
1885	35,682	3,650	10.23	2.61	5,196	14.6	3.72	3.78
1886	37,351	3,656	9.79	2.54	5,477	14.7	3.81	
1887	38,933	3,707	9.52	2.51	5,260	13.5	3.56	
1888	40,175	4,288	10.67	2.82	5,260	13.1	3.46	
1889	34,679	4,075	10.27	2.60	5,179	13.1	3.30	
1890	40,103	4,989	12.44	3.09	5,492	13.7	3.41	
1891	43,659	5,818	13.32	3.51	5,160	11.8	3.11	
1892	44,329	5,841	13.17	3.42	5,033	11.3	2.95	
1893	44,486	6,487	14.58	3.69	5,124	11.5	2.91	
1894	41,175	4,725	11.47	2.61	4,658	11.3	2.57	2.78
1895	44,420	5,751	12.95	3.07	5,205	11.7	2.78	
1896	41,622	5,383	12.93	2.82	4,994	12.0	2.62	
1897	38,877	4,621	11.88	2.38	4,843	12.5	2.50	
1898	40,438	5,301	13.11	2.68	4,957	12.3	2.51	
1899	39,911	5,418	13.57	2.69	5,238	13.1	2.60	
1900	43,227	6,747	15.60	3.29	5,278	12.2	2.57	
1901	43,307	5,792	13.37	2.76	5,233	12.1	2.50	
1902	41,704	5,841	14.01	2.73	4,893	11.7	2.29	
1903	41,776	6,308	15.10	2.89	5,262	12.6	2.41	

Circulatory and Genito-Urinary Systems.

The death from diseases of the circulatory system numbered 5,770 in 1903 and 5,931 in 1902, a decrease of 244; the death from Bright's disease and acute nephritis combined were 5,636 in 1903, as compared with 5,401 in 1902, an increase of 175 deaths; if deaths from these diseases be added for the year 1903 they will amount to 11,406 deaths, more than one-sixth of the total number of deaths for the year.

As organic disease of the heart and chronic Bright's disease are often given as combined causes upon the certificates of death, the following table has been prepared to show the considerable increase in the number of deaths from these causes. This increase, as shown in the table, was a fairly constant one until the epidemic of influenza appeared in December, 1889, when the increase went up with a bound, and as this epidemic has been with us to a greater or lesser degree since that date, it is undoubtedly one of the chief causes in increasing the rate from these diseases two-fold since 1873; it has been maintained with some degree of truth that over-eating and drinking with lack of physical exercise have contributed to this increase.

Number of Deaths from Organic Diseases of the Heart and Chronic Bright's Disease with the Combined Death Rate Per 10,000 of the Population, Old City of New York, 1868 to 1903.

Year.	Deaths From Organic Heart Disease.	Deaths From Chronic Bright's Disease.	Total Deaths.	Combined Death Rate Per 10,000 Population.
1868	615	534	1,149	13.50
1869	686	557	1,243	13.87
1870	699	787	1,486	15.75
1871	813	947	1,760	18.41
1872	894	949	1,843	19.03
1873	860	876	1,736	17.68
1874	883	828	1,711	16.60
1875	985	909	1,894	18.13
1876	992	958	1,950	18.13
1877	880	923	1,803	16.28
1878	1,068	919	1,987	17.42
1879	1,164	1,027	2,191	18.65
1880	1,153	1,029	2,182	18.05
1881	1,289	1,187	2,476	19.90
1882	1,477	1,241	2,718	21.28
1883	1,693	1,195	2,888	21.91
1884	1,662	1,163	2,825	20.82
1885	1,800	1,188	2,988	21.40
1886	1,894	1,210	3,104	21.60

Year.	Deaths From Organic Heart Disease.	Deaths From Chronic Bright's Disease.	Total Deaths.	Combined Death Rate Per 10,000 Population.
1887	2,018	1,128	3,146	21.27
1888	1,880	1,147	3,027	19.88
1889	1,970	1,763	3,733	23.82
1890	1,978	2,024	4,002	24.82
1891	2,285	2,116	4,405	26.54
1892	2,330	1,991	4,321	25.30
1893	2,379	2,071	4,450	25.31
1894	2,170	1,879	4,049	22.38
1895	2,297	2,019	4,316	23.04
1896	2,396	2,195	4,591	24.09
1897	2,346	2,059	4,405	22.70
1898	2,379	2,426	4,805	24.31
1899	2,203	2,739	4,942	24.53
1900	2,276	2,924	5,200	25.32
1901	3,150	2,951	6,101	29.11
1902	3,200	2,814	6,014	28.11
1903	3,129	2,818	5,947	27.20

Diarrhoeal Diseases.

A decrease of 644 deaths took place from diarrhoeal diseases at all ages in 1903 as compared with the previous year. The summer of 1903 was cool and pleasant and this fact had considerable to do with the decreased mortality; other factors aided this Providential dispensation so that the year marked the lowest rate from this cause since the consolidation in 1898.

The following table of the death rate per 1,000 of the entire population from all diarrhoeal diseases in the old City of New York from 1881 to 1903, speaks for itself: Death Rates Per 1,000 Population from All Diarrhoeal Diseases, Old City of New

York, 1881 to 1903.

Year.	Rate.	Year.	Rate.
1881	3.61	1893	2.48
1882	3.32	1894	2.28
1883	2.75	1895	2.38
1884	3.01	1896	2.16
1885	2.76	1897	1.99
1886	2.78	1898	2.10
1887	2.92	1899	1.62
1888	2.74	1900	1.80
1889	2.70	1901	1.71
1890	2.55	1902	1.52
1891	2.70	1903	1.38
1892	2.74		

Congenital Debility and Malformations.

The increase of 417 deaths from these causes is due to the transferring of large number of deaths from ill-defined causes to the above class.

DEATHS FROM VIOLENCE.

Homicide.

There were 137 deaths reported from homicide, an increase of 10 over the number of the previous year.

Suicide.

There were 805 deaths reported under this heading in 1903, an increase of 32 over that of the previous year; the number of males was 579 and females 226; carbolic acid was the means employed by 211 males and 134 females, representing 43 per cent. of all suicides; 148 males and 3 females chose the pistol or gun as a means of exit; hanging was the means adopted by 58 males and 9 females, and 36 males and 9 females used cutting instruments to do away with themselves. Over 26 per cent. of the suicides were born in Germany and 36 per cent. in the United States. An unusual means used by one of the female suicide was the swallowing of hairpins.

Accidental Deaths.

The number of deaths reported during the year under this heading was 3,126, as compared with 2,853 reported in 1902, an increase of 273. An increase was noted among the following casualties: Street vehicles, 44; burns and scalds, 71; poisons, 68; sunstroke, 106; drowning, 23.

The number of deaths reported from falls, fractures, etc., was almost the same as during the previous year. A decrease of 41 occurred in the deaths from accidents on railroads.

Searches and Transcripts.

There were 36,074 searches made during the year of the records of births, marriages and deaths, an increase of 8,734 over those of the year 1902; this increase was due in great measure to passage of an amendment to the Child Labor Law, requiring the production of a transcript of the record of birth from the official records or of a religious record from the church authorities, and the action of the school authorities in requiring the children applying for admission into the primary departments of certain crowded school districts to furnish a statement from the Registrar's office of the date of birth.

Twenty-eight thousand six hundred and seventy-three transcripts of births, marriages and deaths were issued, an increase of 5,648 over the previous year.

Respectfully submitted,

WM. H. GUILFOY, M. D.,
Registrar of Records.

Department of Health,
Southwest Corner Fifty-fifth street and Sixth avenue,
New York, October 21, 1904.

WM. H. GUILFOY, M. D., Registrar of Records:

Dear Sir—Pursuant to your request, I beg to hand you herewith a digest of the work of the Borough of Manhattan:

In the year 1903 there were 37,013 deaths, 56,075 births and 25,911 marriages reported during the year, showing an increase in the deaths of 244, and an increase in the births and marriages of 3,787 and 1,145 respectively, as compared with the year 1902.

The actual number of deaths for the year 1903 amounts to 37,013, giving a death rate of 19.32 per 1,000, as against the number of deaths for the year 1902 of 36,760, with a death rate of 19.40, a decrease of .08.

The total number of deaths of residents of other boroughs who died in the Borough of Manhattan is as follows:

The Bronx	254
Brooklyn	250
Queens	32
Richmond	16

These figures may be equalized by the number of deaths of persons belonging to the Borough of Manhattan who die in other boroughs.

In the year 1903 there was a decrease of 48 deaths from typhoid fever; a decrease of 25 deaths from malarial fevers; a decrease of 17 deaths from small-pox, none having occurred during the year 1903; a decrease of 29 deaths from measles; a decrease of 155 deaths from scarlet fever, and a decrease of 152 deaths from whooping cough. There was an increase of 34 deaths from diphtheria and croup, and an increase of 137 deaths from influenza.

In the deaths from diseases of the respiratory system there was an increase in phthisis of 232 deaths, an increase in pneumonia of 300 deaths, an increase in broncho-pneumonia of 225 deaths, and a decrease in acute bronchitis of 49 deaths. A decrease of 123 deaths from chronic bronchitis was caused chiefly by the fact that chronic bronchitis alone was not accepted as a cause of death.

The decrease in the zymotic and diarrheal diseases accounts to a great extent for the decrease in the deaths of children under one year of 413, one year and under two years of 316, and the total under five years of 893. The increase in the number of deaths over 65 years of 271 may to a certain extent be explained by the increase in influenza, pneumonia and broncho-pneumonia.

The deaths in institutions show an increase of 1,165.

Herewith I also beg to hand you a comparison of the death rates:

	Rate Per 100,000.	
	1903.	1902.
Typhoid fever	16.5	19.2
Malarial fevers	1.44	2.7
Measles	14.4	16.1
Scarlet fever	15.2	23.5
Whooping cough	8.6	16.8
Diphtheria and croup	56.2	55.0
Influenza	12.1	5.0
Phthisis	207.1	197.2
Cancer	79.5	73.7
Organic heart diseases	142.5	143.4
Acute bronchitis	42.0	50.4
Chronic bronchitis	4.4	11.0
Pneumonia	186.4	172.7
Broncho-pneumonia	117.7	107.2
Diarrheas under two	127.3	133.9
Bright's and nephritis	150.1	153.8

There is an increase in the Coroner's cases of 146; an increase in the number of searches of 5,956, or nearly 24 per cent.; an increase in the number of transcripts of 3,400, or nearly 19 per cent., during the year 1903.

Respectfully,

C. J. BURKE, M. D.,
Assistant Registrar of Records.

Department of Health,
Borough of The Bronx,
August 26, 1904. }

WILLIAM H. GUILFOY, M. D., Registrar of Records, Department of Health,
City of New York:

Dear Sir—I have the honor to present the following comparative report of the Bureau of Records of the Borough of The Bronx for the year ending December 31, 1903:

General Statistics.

There were 4,763 deaths, 6,053 births, and 1,354 marriages reported during the year, showing a decrease of 172 deaths and an increase of 833 births and 127 marriages.

Of these 4,763 deaths, 1,245, or 26.1 per cent., were residents of other boroughs. The number of deaths from the principal causes is compared in the following table, with that of the preceding year and the increase or decrease noted:

Cause of Death.	1902.	1903.	Increase, 1903.	Decrease, 1903.
Typhoid fever	34	33	....	1
Malarial fevers	15	12	....	3
Smallpox	201	3	....	198
Measles	157	45	....	112
Scarlet fever	189	174	....	15
Whooping cough	67	21	....	46
Diphtheria and croup	99	155	56	....
Influenza	6	20	14	....
Dysentery	31	18	....	13
Pulmonary tuberculosis	1,154	1,292	138	....
Other tubercular diseases	82	89	7	....
Cancer and sarcoma	138	157	19	....
Diabetes	34	34	....	....
Alcoholism	13	34	21	....
Diseases of the nervous system	348	328	....	20
Diseases of circulatory system	273	277	4	....
Bronchitis, acute and chronic	80	81	1	....
Pneumonia, lobar and broncho	535	477	....	58
Diarrhoeal diseases, under 2 years	277	209	....	68
Diarrhoeal diseases, 2 years and over	54	30	....	24
Other diseases of digestive organs	131	125	....	6
Bright's and acute nephritis	282	321	39	....
Puerperal diseases	45	39	....	6
Congenital debility and malformation	166	195	29	....
Old age	66	73	7	....
Homicide	6	11	5	....
Suicide	48	59	11	....
Accidents	168	207	39	....
Ill-defined causes	83	62	....	21
All other causes	153	182	29	....
Total	4,935	4,763	419	591
Balance	172	172	....	....

Typhoid Fever.

There were 33 deaths from this disease, 1 less than in the previous year.

Malarial Fevers.

There were 12 deaths from this cause, 3 less than in the previous year.

Smallpox.

This disease shows a great falling off from the record of 1902, there being but 3 deaths recorded, against 201 for the previous year.

Measles and Scarlet Fever.

Measles and scarlet fever both show a decrease; the former causing but 45 deaths, against 157 in 1902, and scarlet fever, 174 against 189. Measles was almost four times as prevalent in the borough in 1902, and scarlet fever slightly so.

The following table shows the actual number of deaths from measles and broncho-pneumonia, by months, for the years 1902 and 1903:

Months.	Measles.		Broncho-Pneumonia.	
	1902.	1903.	1902.	1903.
January	19	6	28	10
February	34	5	30	20
March	28	4	36	10
April	19	9	20	12
May	13	1	10	8
June	16	2	4	8
July	16	2	7	6
August	6	....	3	7
September .....	....	....	6	6
October	2	1	7	8
November	1	10	18	10
December	3	5	9	18
Total	157	45	178	123

Whooping Cough.

Whooping cough caused but 21 deaths, against 67 for the previous year.

Diphtheria and Croup.

Diphtheria and croup increased about 36 per cent., there being 155 deaths in 1903, and 99 in 1902.

Influenza.

The mortality from influenza rose from a total of 6 in 1902, to 20 in 1903.

The following table shows the number of deaths from measles, influenza and pneumonia, by months, for 1902 and 1903:

Months.	Measles.		Influenza.		Pneumonia.	
	1902.	1903.	1902.	1903.	1902.	1903.
January	19	6	....	1	54	34
February	34	5	3	5	53	44
March	28	4	1	9	41	42
April	19	9	1	1	36	33
May	13	1	....	....	39	36
June	16	2	....	....	17	24
July	16	2	....	....	17	13
August	6	....	....	....	12	14
September .....	....	....	....	....	17	13
October	2	1	....	....	15	16
November	1	10	1	2	32	29
December	3	5	....	2	24	56
Total	157	45	6	20	357	354

Pulmonary Tuberculosis.

During the year there were 1,292 deaths recorded from this disease, as against 1,154 in the previous year, an increase of 138.

The large mortality from this disease is accounted for to a great extent by the fact that many consumptives come to The Bronx for treatment in institutions, of which there are two devoted exclusively to tuberculosis, and several others which receive such cases in addition to others. During the year 1903, there were 777 deaths from this disease of non-residents of the borough.

Diseases of the Circulatory System.

Diseases of the circulatory system caused 277 deaths during the year, against 273 in the previous year. Organic heart disease caused 221 of this total, against 231 in 1902.

Diarrhoeal Diseases.

There were 239 deaths from diarrhoeal diseases, against 331 in 1902. Of these, the deaths under two years of age were 209 and 277, respectively.

The following table shows the comparative mortality in the summer months:

Months.	Deaths From Diarrhoea Under Two Years.	
	1902.	1903.
June	21	25
July	108	70
August	63	42
September	40	22

Congenital Debility and Malformations.

There was an increase of 29 deaths from these causes in 1903 over the previous year, the totals being respectively, 195 and 166.

Deaths from Violence.

There were 207 deaths recorded from accident, 59 from suicide and 10 from homicide, a total of 277, against 168 from accident, 48 from suicide and 6 from homicide, aggregating 222 for the previous year.

Accidental Deaths.

Of the 207 deaths recorded, the chief causes were: Falls, 48; railroad injuries, 36; submersion, 35; burns and scald, 17; fractures and contusions, 17; street vehicles, 14; sunstroke, 10.

Suicide.

Of the 59 individuals who destroyed themselves during the year, 49 were males and 10 females; carbolic acid was the means used in 18 male cases and 8 female; 11 males chose gun shot, and 8 males and 2 females preferred illuminating gas.

Homicide.

There were 11 homicides during the year, against 6 in the previous year, an increase of 5.

Searches and Transcripts.

The searches of the records of births, deaths and marriages numbered 1,336, and 1,614 transcripts of these records were made during the year.

Deaths of Persons 100 Years of Age and Over.

April 30. Eliza Bates, 103 years, United States (colored); old age.

Non-Resident Deaths.

In addition to the 777 deaths of non-residents from pulmonary tuberculosis, 451 deaths were reported of non-residents from the following causes: Diphtheria, 54; measles, 30; scarlet fever, 126; small-pox, 3; all other causes, 238; total, 1,228.

Respectfully submitted,

ARTHUR J. O'LEARY, M. D.,
Assistant Registrar, Borough of The Bronx.

Department of Health,
Nos. 38 and 40 Clinton Street, Borough of Brooklyn,
New York, September 2, 1904.

WILLIAM H. GUILFOY, M. D., Registrar of Records, Department of Health, Borough of Manhattan:

Dear Sir—In submitting the report of the Bureau of Records of this borough for the year 1903, I would respectfully call your attention to the following more important items:

Not only was the death rate for the year decreased (17.18 per 1,000), as compared with the year 1902 (17.88 per 1,000), but a gain was made on the apparent birth rate, 21.13 per 1,000 for 1903, against 18.81 per 1,000 for the year 1902.

This death rate was the lowest ever recorded in this borough or in the old City of Brooklyn. Added to the fact that the general mortality was low, there is reason for congratulation when we consider that the reduction in the death rate was largely due to a reduction in nearly all the preventable diseases, the greatest gain having been made in the diarrhoeal diseases of children under two years of age—1,470 for this year, 1903, as compared to 1,732 in 1902, a year when the mortality was much lower than the average of previous years.

The attention of the medical profession should, I believe, be called to the one particular disease which seems to be steadily on the increase. While all the energy and care of the Department are being used to protect and prolong life, by the adoption and enforcement of sanitary measures along many and varied channels, we find that, on account of Bright's disease and nephritis, we are losing some of the ground gained in other directions.

These diseases of the kidneys have been increasing at a slow but steady pace for several years past, and at the present rate of increase, it will be but a few years when the death rate from this source will rival, if it does not surpass, that caused by tubercular diseases.

Respectfully,

S. J. BYRNE, M. D., Assistant Registrar of Records.

Department of Health,
No. 374 Fulton Street, Jamaica, Borough of Queens,
New York, August 25, 1904.

WILLIAM H. GUILFOY, M. D., Registrar of Records, Department of Health, New York City:

Sir—I have the honor to submit the report of the Bureau of Records, Borough of Queens, for the year 1903.

There were 2,676 deaths, 3,802 births and 855 marriages recorded during the year.

In comparison with the previous year there was a decrease of 116 deaths. Among the zymotic diseases I find a decrease of 10 in typhoid fever, but an increase of 11 in measles and 13 in diphtheria. In deaths from phthisis it is a peculiar fact that they were the same, there being 229 deaths in each year. There was a decrease of 34 in circulatory diseases and 32 in diseases of the respiratory tract; also a decrease of 50 in diarrhoeal diseases. There was an increase of 13 in disease of the kidneys.

The above constitute the changes which occurred in diseases which are considered controllable or which may be influenced by climatic conditions. The deaths from zymotic diseases were evenly distributed throughout the different wards in proportion to the population, showing they were not due to any epidemic influence.

In the matter of births, there were 3,802 certificates filed during the year, an increase of 616 over the year 1902. I have been persistent in my efforts to obtain a full return of the births occurring in this borough. In July I sent to every physician and midwife a supply of our new blanks, with a request that the rules of the Department be complied with regarding the prompt return of all births in their practice. I have had several midwives before me for neglect in this matter, and one physician was compelled to appear in court. I have also followed up our method of looking up cases where a death has occurred under one year and no return of birth made, all of which I believe has accomplished the desired effect, and I now think the returns are as complete as we can expect, unless a system of canvassing be adopted.

There were 462 permits issued for the removal of bodies, an increase of 60 over the previous year. There were 448 Coroner's cases, a decrease of 118. There were 176 cases of violence, 32 of which were suicides, as compared with 193 of violence and 36 suicides in 1902, showing the decrease to have been among those dying without medical attendance.

There were 383 searches made, 367 transcript issued and 41,890 interments in the borough, the permits for which were received at this office and returned to the borough from which they were issued.

Respectfully,

E. WICKHAM, M. D.,
Assistant Registrar of Records, Borough of Queens.

Department of Health,
Nos. 54 and 56 Water Street, Stapleton, Borough of Richmond,
New York, August 24, 1904.

WILLIAM H. GUILFOY, M. D., Registrar of Records, Department of Health:

Dear Sir—I have the honor of reporting the smallest number of deaths recorded in this borough since consolidation for the year 1903. The deaths for the various years are as follows: 1898, 1,306; 1899, 1,273; 1900, 1,378; 1901, 1,345; 1902, 1,282; 1903, 1,220.

The death rate for the year 1903 was only 16.80.

The four deaths from malaria reported were seamen from tropical countries, who had been removed to the Seamen's Retreat, and the much-maligned borough, which has been credited with so much malaria, should be charged with no deaths from malaria. There were reported to this Department 32 cases of malaria during the year, the majority of these being non-residents reported from United States Marine Hospital.

The deaths from the various other causes have been in about the same ratio as in other years, with the exception of pneumonia, which is much smaller. This was doubtless due to its infectivity being recognized and proper precautions being taken. The diminution in the number of deaths from diarrhoeal diseases and in those of children under five years of age should be directly traceable to the activity of the Department of Health in enlightening the people as to the proper care of children in warm weather.

Very respectfully,

J. WALTER WOOD, M. D., Assistant Registrar of Records.

Report of Bureau of Records for Year Ending December 31, 1903.

	Borough of Manhattan. *The Bronx.		Brooklyn.	Borough of Queens.	Richmond.	City of New York.
Number of deaths	37,013	4,763	22,192	2,676	1,220	67,864
Death rate	19.32	16.76	17.18	14.66	16.80	18.18

Borough.	Estimated Population.	Certificates Received and Tabulated.				Rate Per 1,000.				Transit Permits Issued.	Coroners' Cases.	Searches Made.	Trans- cripts Issued.
		Marriages.	Births.	Deaths.	Still-births.	Marriages.	Births.	Deaths.	Still-births.				
Manhattan	1,917,676	25,911	56,078	37,017	3,579	13.52	29.26	19.32	1.87	1,349	5,238	24,946	18,138
The Bronx	268,341	1,354	6,053	4,763	342	4.76	21.30	16.76	1.20	40	593	1,314	1,643
Brooklyn	1,291,597	9,616	27,292	22,186	1,838	7.44	21.13	17.18	1.42	438	3,620	9,228	8,209
Queens	182,681	855	3,802	2,676	249	4.68	20.83	14.66	1.36	....	448	367	430
Richmond	72,608	438	1,530	1,212	70	6.03	21.07	16.69	.96	2	227	219	253
City of New York.....	3,732,903	38,174	94,755	67,854	6,078	10.23	25.38	18.18	1.63	1,829	10,126	36,074	28,673

	Borough of Manhattan. *The Bronx.		Brooklyn.	Borough of Queens.	Richmond.	City of New York.
Actual number of deaths in institutions	11,936	1,836	4,358	334	373	18,837
Actual number of deaths in tenements	22,542	1,574	10,838	632	130	35,716
Actual number of deaths in dwellings	1,561	1,196	6,529	1,600	633	11,519
Actual number of deaths in hotels and boarding houses	295	28	108	43	16	490
Actual number of deaths in streets, rivers, etc.....	679	129	359	67	68	1,302

* The death rate in the Borough of The Bronx is materially increased by the deaths in institutions, most of the inmates having been transferred from the Borough of Manhattan.

Particulars Regarding Births, Deaths, Marriages and Still-births Reported During the Year Ending December 31, 1903.
CITY OF NEW YORK.

	Total.	White.		Colored.		Native Parents.		Foreign Parents.		Parentage of Mixed Nativities.		Parentage Unknown or Not Stated.		Single.		Married.		Widowed.		Not Stated.		Month of Utero-gestation.										Not Stated.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		
*Marriages ...	38,174	36,998	37,020	1,176	1,154	....	....	....	....	....	....	....	....	33,798	34,385	....	....	4,376	3,789	....	....										
*Births	94,755	47,492	45,627	827	809	13,868	13,784	27,515	26,368	6,562	6,420	373	365	....	....	....	....	....	....	....	....				
Deaths	67,848	35,740	30,309	871	928	7,164	6,571	21,841	19,186	3,215	2,945	4,391	2,535	20,359	15,251	11,953	8,851	3,691	7,031	608	104												
*Still-births ...	66,078	3,392	2,433	99	91	1,056	743	1,815	1,303	382	277	238	201	18	112	302	476	662	879	801	2,635	179	14	

* The Returns of Births, Marriages and Still-births are incomplete.

a. Sex undetermined, 63.

BOROUGH OF MANHATTAN.

Marriages	25,911	25,095	25,111	816	800	....	....	....	....	....	....	....	....	23,042	23,410	....	....	2,869	2,501	....	....								
Births	56,078	27,992	27,012	555	519	5,998	5,708	18,999	18,319	3,182	3,140	368	364	....	....	....	....	....	....	....	....		
Deaths	37,017	19,626	16,452	458	481	3,157	2,864	12,244	10,763	1,808	1,616	2,875	1,690	11,421	8,548	6,387	4,662	1,886	3,640	390	83										
Still-births	63,579	1,995	1,408	63	63	469	321	1,216	889	208	138	165	123	....	....	....	....	....	....	....	....	13	86	235	297	368	502	473	1,466	131	8

b. Sex undetermined, 50.

BOROUGH OF THE BRONX.

Marriages	1,354	1,323	1,324	31	30	.....	.....	.....	.....	.....	.....	.....	.....	1,202	1,225	.....	.....	152	129	.....	.....								
Births	6,053	3,023	2,949	43	38	1,224	1,176	1,120	1,062	721	750	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Deaths	4,749	2,523	2,032	98	96	501	453	1,639	1,282	305	295	176	98	1,411	965	923	662	264	499	23	2										
Still-births	342	195	142	3	2	85	48	72	56	30	28	11	12	.....	.....	.....	.....	.....	.....	.....	.....	1	3	11	30	43	46	41	126	37	4

BOROUGH OF BROOKLYN.

Marriages	9,616	9,328	9,331	288	285	....	....	....	....	....	....	....	....	8,466	8,610	....	....	1,150	1,006	....	....									
Births	27,292	13,770	13,132	187	203	5,407	5,223	6,443	6,089	2,106	2,023	1										
Deaths	22,186	11,453	10,194	249	290	2,916	2,731	6,814	6,203	924	884	1,048	666	6,345	4,935	3,911	3,022	1,309	2,510	137	17											
Still-births	61,838	1,025	752	26	22	417	315	461	322	119	79	54	58	....	....	....	....	....	....	....	....	1	20	49	131	219	277	242	886	11	2

c. Sex undetermined, 13.

BOROUGH OF QUEENS.

Marriages	855	831	833	24	22	....	....	....	....	....	....	....	....	696	734	....	....	159	121	....	....								
Births	3,802	1,920	1,816	33	33	889	847	661	630	403	372	....	....	....	....	....	....	....	....	....	....
Deaths	2,676	1,402	1,184	50	40	416	368	835	709	124	116	77	31	793	585	501	359	134	278	24	2										
Still-births	249	136	103	6	4	69	48	47	27	20	23	7	8	....	....	....	....	....	....	....	....	3	2	5	17	23	43	32	124	..	..

BOROUGH OF RICHMOND.

Marriages.....	438	421	421	17	17	....	....	....	....	....	....	....	....	392	406	....	....	46	32	....	....								
Births	1,530	787	718	9	16	350	330	292	268	150	135	4	1	....	....	....	....	....	....	....	....		
Deaths	1,220	736	447	16	21	174	155	309	229	54	34	215	50	389	218	231	146	98	104	34	....									
Still-births	70	40	29	1	....	16	11	19	9	5	9	1	....	....	....	....	....	....	....	....	....	1	2	1	9	11	13	33	..	..

CITY OF NEW YORK.

Total of Both Sexes and Deaths of Males by Age, and Cause of Death, for the Year Ending December 31, 1903.

Cause of Death.	Total, Both All Sexes. Ages.		0	1	2	3	4	Total Under 5.		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
General Diseases.																											
Typhoid fever	653	389	2	4	3	3	3	15	14	21	47	59	61	46	42	33	15	13	10	4	6	1	2	..	..	5
Malarial fever	90	43	1	3	3	2	1	10	3	1	..	2	1	3	5	1	1	..	3	4	4	3	2	..	..	..
Small pox	5	3	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Measles	508	270	88	111	31	19	8	257	8	..	1	1	1	2	..	..	..	..	..	..	..	..	..	..	..	2
Scarlet fever	734	380	14	64	60	48	38	224	114	23	6	5	3	3	1	1	..	..	..	..	..	..	..	..	..	6
Whooping cough	324	134	74	34	11	11	2	132	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7
Diphtheria and croup.....	2,190	1,122	98	251	215	170	108	842	225	19	13	4	4	3	4	2	2	1	1	1	1	..	..	..	1	7
Influenza	418	185	19	8	5	4	1	37	2	3	6	8	8	7	7	5	11	18	14	17	14	11	10	6	1	4	
Cholera nostras	9	4	..	..	1	..	..	1	..	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	..	..
Dysentery	157	75	11	8	2	1	1	23	6	..	2	1	1	2	2	1	1	6	4	6	2	8	6	3	1	1	
Leprosy	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	200	118	28	3	..	..	..	31	..	1	2	1	4	9	6	17	10	10	5	9	4	4	3	2	..	2
Other epidemic diseases.....	18	11	7	1	..	..	..	8	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	3
Pyæmia, septicæmia	94	61	18	1	1	..	..	20	..	1	3	2	4	1	3	3	10	3	6	1	3	1	..	..	..	3
Glanders	3	3	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	1	..	..	..	..	..	..
Malignant pustule	5	5	..	..	..	..	..	..	..	..	..	1	..	..	1	2	..	1	..	..	..	..	..	..	..	..
Hydrophobia	3	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pellagra	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of larynx.....	57	40	2	..	..	..	..	2	..	..	..	2	4	7	5	8	4	3	..	2	1	2	..	..	..	..
Tuberculosis of lungs.....	8,020	4,869	24	13	12	7	2	58	19	25	227	463	730	792	775	582	444	288	199	143	62	41	16	2	3	157	
Tubercular meningitis	812	451	145	89	47	30	11	322	50	13	14	13	13	5	6	6	1	4	3	..	..	..	1	..	..	10
Abdominal tuberculosis	192	105	21	9	2	3	4	39	9	4	5	15	6	6	1	7	8	2	1	..	2	..	..	..	..	5
Potts' disease	60	31	..	..	2	..	1	3	9	4	5	..	3	2	..	2	1	1	1	..	..	..	..	..	..	3
Cold abscess	8	5	1	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
White swelling	28	19	..	..	..	1	..	1	3	1	6	1	1	1	..	2	1	1	..	..	1	1	..	..	..	..

Cause of Death.	Total, Both Sexes.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Tuberculosis of other organs.....	49	27	2	2	2	..	..	6	..	1	2	1	3	2	..	4	5	2	1	..	..	..	..	..	..	..
General tuberculosis	78	51	3	1	2	..	..	7	6	1	3	5	4	5	5	4	4	2	4	2	..	..	..	..	..	5
Scrofula	5	4	2	1	..	..	..	3	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Syphilis	182	99	52	2	..	..	..	54	..	1	1	2	5	4	12	6	5	4	2	..	1	2	..	..	..	5
Gonorrhoea (adults)	7	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Gonorrhoea (children)	4	3	3	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancers, etc., of the mouth.....	127	101	..	..	1	..	..	1	1	1	1	..	..	1	4	8	15	12	13	19	8	10	4	2	1	1
Cancer of stomach, liver.....	1,033	538	1	..	..	..	..	1	1	1	1	3	9	15	24	36	58	75	77	83	77	51	17	8	1	7
Cancer of intestines, rectum.....	352	146	..	1	..	..	..	1	..	..	2	3	4	4	7	12	20	10	27	16	18	10	7	5	..	2
Cancer of female genital organs....	424	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the breast.....	253	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the skin.....	78	51	..	..	..	..	..	..	..	..	..	1	1	1	2	3	5	6	9	5	..	..	..	..	..	..
Cancer of other organs and un-	341	178	2	..	1	1	1	5	3	1	3	2	7	6	9	12	23	13	19	23	24	14	9	5	..	2
Other tumors (except of female	62	34	..	1	1	..	2	4	1	1	3	..	..	1	3	2	5	7	..	2	2	3	..	..	..	..
genital organs) .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute articular rheumatism.....	330	139	..	..	..	1	2	3	20	21	11	11	6	10	13	3	8	10	5	6	3	2	4	1	2	1
Chronic rheumatism and gout.....	90	38	..	..	..	..	..	..	..	..	1	1	1	..	..	2	2	2	6	6	6	2	4	3	2	..
Scurvy	9	5	3	..	1	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diabetes	488	232	..	..	1	..	..	1	..	..	1	8	11	6	14	18	17	35	30	27	34	20	6	4	..	4
Exophthalmic goitre	23	3	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Addison's disease	17	11	..	..	..	..	..	..	..	..	..	..	3	..	4	..	1	1	..	..	2	..	..	..	..	..
Leukemia	47	30	..	2	..	..	..	2	..	2	1	1	3	8	5	1	1	1	1	1	2	1	..	..	..	..
Anaemia, chlorosis	91	36	3	3	..	..	..	6	2	1	2	1	1	3	3	5	5	2	2	..	2	..	1	..	..	..
Other general diseases.....	4	3	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Alcoholism, acute and chronic....	630	501	..	..	..	..	..	..	..	..	10	53	73	88	89	73	58	17	18	13	6	3	..	..	..	3
Lead poisoning	16	16	..	..	..	..	..	..	..	..	..	..	3	1	3	5	..	1	1	2	..	..	..	..	..	..
Other chronic poisonings of occupa-	2	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
tion .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other chronic poisonings.....	6	4	..	..	..	..	..	..	..	..	..	2	1	..	1	..	..	..	..	..	..	..	..	..	..	..
Diseases of Nervous System and	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Organs of Sense.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Encephalitis	10	6	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	1	..	..	..	1	2	..	..	..
Simple meningitis	901	496	168	86	39	25	18	336	43	19	20	16	7	11	8	7	6	8	4	4	1	3	3	..	..	10
(Of which) cerebro-spinal meningitis	271	151	37	22	15	9	6	89	19	9	8	10	4	5	..	2	1	1	1	..	..	2	..	..	..	1
Locomotor ataxia	77	57	..	..	..	..	..	..	..	..	..	2	1	2	8	7	4	13	6	8	5	1	..	..	..	..
Other diseases of spinal cord.....	152	84	..	1	..	1	1	3	4	1	..	5	5	7	7	6	5	4	9	11	9	4	2	1	1	..
Apoplexy, congestion of brain....	2,497	1,256	6	2	1	..	..	9	2	..	1	12	6	26	42	84	104	120	176	195	177	135	106	50	21	16
Softening of brain	76	37	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	4	8	4	5	8	1	1	..
Paralysis unspecified	198	88	2	..	..	..	..	2	..	..	2	1	..	1	3	6	6	7	6	15	14	9	9	6	1	..
General paresis	154	113	..	1	..	1	..	2	..	..	..	2	2	12	18	19	19	9	9	3	7	3	5	2	1	2
Other forms of insanity.....	103	38	..	..	..	..	..	1	..	5	3	1	1	2	2	6	..	7	1	6	3	..	..	..	..	1
Epilepsy	141	84	1	2	..	1	1	5	1	4	9	10	14	6	10	13	4	3	..	1	3	..	..	..	1	4
Convulsions (not puerperal).....	11	5	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions of infants.....	681	383	314	49	13	4	3	383	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12
Tetanus, trismus	81	59	27	1	..	1	..	29	7	5	3	4	4	1	3	1	..	2	..	..	..	..	..	..	..	1
Chorea	9	3	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Other nervous diseases.....	143	75	7	5	..	1	1	14	2	6	3	6	6	4	6	10	8	4	3	..	1	1	..	1	..	..
Diseases of the eyes.....	6	3	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the ears.....	147	79	12	6	6	4	2	30	4	7	7	7	3	1	3	6	2	3	1	1	3	..	..	1	..	3
Diseases of Circulatory System.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pericarditis	44	26	1	..	..	1	2	4	1	..	3	1	2	1	1	..	3	2	1	1	4	1	1	..	..	..
Acute endocarditis	273	130	3	..	3	..	2	8	6	8	6	10	7	6	5	17	12	7	10	4	6	10	5	2	1	3
Organic heart diseases.....	4,771	2,382	15	6	1	4	7	33	36	46	65	74	92	121	146	179	178	227	242	278	226	194	135	78	32	49
Angina pectoris	170	88	..	..	..	..	..	..	..	..	..	..	1	4	4	5	5	13	11	17	14	8	4	1	1	..
Diseases of arteries, aneurism, etc..	310	200	..	..	..	..	..	..	1	..	..	3	8	10	19	9	25	23	24	16	23	22	11	6	9	..
Embolism, thrombosis	121	53	1	..	..	..	1	1	..	1	1	5	..	1	2	5	3	4	8	3	10	3	5	..	..	..
Diseases of veins, (haemorrhoids,	21	12	..	..	..	..	..	..	..	..	..	..	..	2	2	1	1	1	1	3	..	..	..	..	..	..
varices, phlebitis, etc.).....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of lymphatics (lymphang-	7	4	2	1	..	..	3	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
itis, etc.) .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Haemorrhage	52	32	18	1	1	2	1	23	3	1	1	1	1	..	1	..	..	1	..	..	..	..	..	..	..	..
Other diseases of circulatory system	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Diseases of Respiratory System.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the nasal fossae.....	4	2	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the larynx.....	75	43	12	8	5	5	..	30	4	..	..	2	1	..	2	..	..	2	..	1	1	..	..	..	..	4
Diseases of thyroid gland.....	6	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Acute bronchitis	1,560	764	453	113	30	11	7	614	7	2	1	..	1	1	4	4	7	20	10	21	20	18	20	5	9	26
Chronic bronchitis	276	122	1	3	1	..	..	5	..	..	1	1	4	4	..	7	6	5	15	20	12	15	11	10	6	1
Broncho-pneumonia	3,312	1,711	754	389	126	51	17	1,337	40																	

Cause of Death.	Total, Both Sexes.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Hernia, intestinal obstruction.....	485	226	42	4	2	..	..	48	2	3	8	9	8	11	14	11	12	19	13	19	25	11	9	3	1	4
Other diseases of intestines.....	43	23	7	..	1	..	1	9	..	..	..	..	..	1	2	1	..	1	3	3	1	1	1	..	..	..
Acute yellow atrophy of liver.....	5	2	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Hydatid tumor of liver.....	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Cirrhosis of liver.....	807	515	1	..	..	..	..	1	1	1	2	1	16	39	57	60	72	63	70	48	42	27	13	1	1	6
Biliary calculi	79	32	1	..	..	..	..	1	..	..	..	..	1	1	4	3	..	2	7	2	4	6	..	1	..	..
Other diseases of liver.....	174	87	11	..	1	..	..	12	..	..	3	3	3	6	8	10	5	8	11	6	8	2	1	1	..	..
Diseases of spleen.....	4	3	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..
Simple peritonitis (non-puerperal).....	111	42	6	1	1	..	..	8	..	2	1	3	6	4	2	1	2	7	1	2	..	1	1	1	..	2
Other diseases of digestive system (except tuberculosis and cancer).....	17	11	..	..	..	..	..	..	1	..	..	1	1	1	..	..	4	2	1	..	..	..	..	..	..	..
Appendicitis and iliac abscess.....	481	296	2	..	..	..	1	3	30	32	35	36	28	29	30	21	13	14	15	4	2	2	1	1	..	4
Diseases of Genito-urinary System.																										
Acute nephritis	663	323	18	7	12	6	7	50	24	9	16	14	25	27	19	30	21	19	17	12	18	11	7	3	1	5
Bright's disease	4,973	2,680	4	4	2	10	4	24	14	15	25	51	89	131	193	232	227	301	292	300	265	265	147	73	36	54
Other diseases of kidneys and adnexa	75	45	3	..	..	..	..	3	1	..	..	1	1	3	2	3	4	3	4	4	5	7	2	1	1	..
Urinary calculus	13	10	..	..	..	..	..	1	..	..	..	..	..	1	1	1	..	1	1	..	1	..	1	1	1	..
Diseases of bladder	61	57	..	..	..	..	..	..	..	..	1	..	2	1	1	1	4	4	4	7	9	11	5	7	2	..
Diseases of urethra, urinary abscess, etc.	13	13	..	..	..	..	..	..	..	..	..	2	3	1	..	1	1	..	2	2	1	..	..	..	4	..
Diseases of the prostate.....	71	71	..	..	..	..	..	..	..	..	1	..	..	..	1	2	3	2	4	6	14	16	15	4	3	..
Non-venereal diseases of male genital organs	9	9	3	..	..	..	..	3	..	..	..	1	..	..	..	..	..	1	..	..	..	1	3	..	..	..
Metritis	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uterine hemorrhage (not puerperal).....	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of uterus.....	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ovarian cysts and tumors.....	58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of female genital organs.....	115	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of breast (not puerperal nor cancer)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Diseases.																										
Accidents of pregnancy.....	118	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal hemorrhage	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal septicemia	247	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal albuminuria and convulsions	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal phlegmasia alba dolens.....	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of parturition, sudden death	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Skin and Cellular Tissue.																										
Gangrene	88	52	2	..	..	..	..	2	..	1	..	..	..	1	1	3	2	2	2	7	7	5	11	6	2	4
Carbuncle	10	6	1	..	..	..	..	1	..	..	..	..	..	..	2	..	1	..	2	..	..	..	..	..	..	..
Phlegmon, acute abscess.....	82	48	11	1	..	..	..	12	1	1	1	2	2	4	5	5	2	5	3	3	..	..	2	..	..	..
Other diseases of skin and adnexa.....	28	13	7	..	..	..	..	7	..	..	..	..	..	..	..	..	2	1	2	1	..	..	..	..	..	1
Diseases of Locomotory System.																										
Diseases of bones (non-tuberculous)	103	59	19	10	1	1	2	33	5	5	2	..	2	3	1	2	3	4	1	..	..	..	..	..	..	4
Arthritis, other diseases of joints (except tuberculosis and rheumatism)	15	12	1	1	1	..	..	3	..	1	..	..	1	..	1	..	1	2	..	1	1	..	2	..	..	..
Malformations.																										
Congenital malformations	401	234	213	7	4	2	1	227	4	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Diseases of Infancy.																										
Congenital debility, icterus and sclerema	2,970	1,660	1,660	..	..	..	..	1,660	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50
Other diseases peculiar to infancy.....	134	69	69	..	..	..	..	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Neglect	2	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Old Age.																										
Senile debility	811	307	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	24	65	66	67	75	5	..
External Causes.																										
Suicide by poison.....	384	236	..	..	..	..	..	..	..	..	9	13	28	21	39	30	29	22	15	12	12	4	1	1	..	5
Suicide by asphyxia.....	124	84	..	..	..	..	..	..	..	..	3	4	7	13	7	6	14	15	4	6	1	3	..	1	..	..
Suicide by hanging or strangulation	67	58	..	..	..	..	..	..	..	..	1	5	5	12	9	5	7	5	4	4	1	..	..	..	..	..
Suicide by drowning.....	11	6	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	1	1	..	..	..	..	..	..	..
Suicide by firearms.....	151	148	..	..	..	..	..	..	..	..	3	17	16	21	14	13	20	19	9	6	5	3	1	1	..	1
Suicide by cutting instruments.....	45	36	..	..	..	..	..	..	..	..	..	4	..	3	11	9	3	..	3	1	2	..	..	..	..	2
Suicide by precipitation from height.....	19	10	..	..	..	..	..	..	..	..	..	..	..	3	1	3	1	1	..	..	1	..	..	..	..	..
Suicide by crushing.....	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Suicide by other methods.....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fractures	226	175	..	3	3	1	2	9	9	4	7	7	13	23	26	17	15	11	11	9	5	5	1	2	1	2
Dislocations	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidental injuries.....	1,337	1,076	11	14	16	18	23	82	91	45	47	88	102	105	124	93	68	70	49	42	28	16	15	8	3	14
Burn, by fire, scald.....	351	142	5	22	24	20	10	81	15	2	1	4	4	8	4	6	2	3	4	3	2	..	2	1	..	1
Burning by corrosive substances.....	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sunstroke	142	82	24	3	1	..	..	28	3	..	..	3	1	4	3	5	4	12	6	5	2	2	3	..	1	2
Freezing	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Electrical shock	26	25	..	..	..	..	..	1	..	4	3	4	5	4	1	..	..	..	..	2	1	..	..	..	..	1
Accidental drowning	443	410	3	4	..	2	1	10	22	28	27	23	35	42	57	62	31	25	20	15	9	3	..	..	1	6
Inanition (starvation)	3	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..			

Deaths of Females by Age, and Cause of Death, for the Year Ending December 31, 1903.

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
General Diseases.																									
Typhoid fever	264	..	1	4	3	1	9	27	21	31	41	40	21	26	18	6	7	7	2	1	2	4	1	..	3
Malarial fever	47	3	4	2	..	..	9	3	6	1	1	4	3	4	1	4	..	4	2	..	4	..	3	..	..
Small pox	2	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Measles	238	60	96	37	15	8	216	22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Scarlet fever	354	15	46	55	46	42	204	97	29	7	4	7	2	1	2	..	1	..	..	..	..	..	..	..	2
Whooping cough	190	98	53	21	8	6	186	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7
Diphtheria and croup.....	1,068	74	224	194	157	115	764	259	28	8	2	2	1	2	1	..	1	..	..	..	..	..	..	..	15
Influenza	233	9	3	1	..	1	14	4	7	2	7	7	10	14	17	11	29	8	27	22	22	17	9	6	6
Cholera nostras	5	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	2	1	..	..	..
Dysentery	82	12	1	3	2	1	19	2	..	1	..	3	3	2	3	..	12	8	9	11	2	2	4	1	2
Erysipelas	80	35	4	1	..	..	40	..	..	2	..	5	4	..	2	7	7	3	4	2	3	..	..	1	2
Other epidemic diseases.....	9	4	2	..	..	1	7	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1
Pyæmia, septicæmia	33	8	..	1	..	..	9	1	..	..	1	4	1	1	1	6	2	2	4	..	..	..	1	..	..
Hydrophobia	2	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	1
Tuberculosis of larynx.....	17	..	..	..	..	..	..	1	..	2	2	2	2	5	1	1	1	..	..	..	..	..	..	..	2
Tuberculosis of lungs.....	3,151	16	21	14	7	5	63	29	65	269	462	624	510	368	241	153	111	98	63	45	27	14	6	3	141
Tubercular meningitis	361	104	86	55	26	11	282	34	19	7	5	4	2	3	2	1	..	1	1	..	..	..	..	..	25
Abdominal tuberculosis	87	21	4	1	1	3	30	7	5	5	9	7	7	5	4	1	1	2	1	..	2	1	..	..	5
Potts' disease	29	1	..	1	..	1	3	2	4	4	2	1	2	4	1	..	2	1	1	1	1	..	..	..	..
Cold abscess	3	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
White swelling	9	1	..	1	..	..	2	2	1	1	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Tuberculosis of other organs.....	22	1	..	2	..	..	3	1	..	..	4	..	2	1	3	1	..	1	1	1	2	2	..	..	..
General tuberculosis	27	6	..	1	..	2	9	1	1	..	3	3	2	3	1	..	..	3	1	..	..	..	..	..	1
Scrofula	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	83	50	6	1	..	..	57	..	..	2	1	8	1	2	5	2	1	2	2	..	..	..	..	..	1
Gonorrhœa (adults)	5	..	..	..	..	..	..	1	..	..	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..
Gonorrhœa (children)	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancers, etc., of the mouth.....	26	..	..	..	..	..	..	..	..	..	..	1	..	..	5	1	3	5	2	2	2	2	1	2	..
Cancer of stomach, liver	505	..	..	..	..	..	..	1	..	..	..	6	12	24	34	42	74	74	84	59	49	31	13	2	9
Cancer of intestines, rectum.....	196	1	..	..	..	..	1	1	..	1	3	2	7	16	19	16	25	25	28	20	13	9	7	3	2
Cancer of female genital organs.....	424	..	..	..	..	..	..	..	..	1	1	9	10	40	62	66	61	55	49	29	24	4	10	3	15
Cancer of the breast.....	253	..	..	..	..	..	..	..	..	..	..	2	7	21	27	33	32	45	33	15	20	10	5	3	5
Cancer of the skin.....	27	..	..	..	..	..	..	..	..	..	..	..	1	1	1	5	5	3	4	3	..	2	1	1	..
Cancer of other organs and unspecified... Other tumors (except of female genital organs)	163	..	1	1	2	..	4	..	3	4	2	3	6	9	16	20	23	21	25	8	10	8	1	..	1
	28	..	1	..	..	..	1	1	..	..	..	..	1	2	2	5	2	3	2	3	2	3	1	..	..
Acute articular rheumatism	191	3	..	2	3	6	14	28	18	13	6	10	10	11	11	12	15	14	10	6	6	4	3	..	10
Chronic rheumatism and gout.....	52	..	..	..	..	..	..	..	..	..	..	..	2	2	2	3	..	8	9	11	6	6	3	..	..
Scurvy	4	2	..	..	..	..	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Diabetes	256	..	..	1	..	..	1	1	3	3	4	9	7	9	13	16	31	39	37	43	23	11	3	3	3
Exophthalmic goitre	20	..	..	..	..	..	..	..	..	2	1	2	2	3	3	2	2	..	2	..	1	..	..	..	1
Addison's disease	6	..	..	..	..	..	..	..	..	..	1	1	..	1	..	2	..	1	..	..	..	..	..	..	..
Leukæmia	17	..	..	1	..	..	1	..	..	1	..	1	4	3	1	1	1	2	2	..	..	..	..	..	..
Anæmia, chlorosis	55	5	..	..	..	1	6	..	2	5	5	7	5	4	4	7	3	3	1	..	3	..	..	..	..
Other general diseases.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholism, acute and chronic.....	129	..	..	..	..	..	..	..	..	..	..	17	26	37	28	10	7	3	1	..	..	..	..	..	..
Other chronic poisonings	59	2	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..

Cause of Death.	All Ages.	Total																								Col.
		0	1	2	3	4	Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85		
Diseases of Nervous System and Organs of Sense.																										
Encephalitis	4	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..
Simple meningitis	406	144	86	40	25	16	311	31	15	5	7	7	5	4	3	4	1	4	1	3	1	3	..	1	8	
(Of which) cerebro-spinal meningitis...	120	34	26	14	11	8	93	12	3	2	1	2	2	1	1	2	1	..	..	..	..	..	..	..	4
Locomotor ataxia	20	..	..	..	..	..	..	..	..	..	..	..	..	2	4	3	3	3	2	2	..	1	..	..	..
Other diseases of spinal cord.....	68	1	1	..	..	..	2	..	2	3	4	5	1	3	6	10	6	4	3	10	5	3	..	1	..
Apoplexy, congestion of brain.....	1,241	4	1	..	..	..	5	3	1	3	7	9	32	35	53	76	146	133	198	166	144	118	72	40	33
Softening of brain	39	..	..	1	..	..	1	..	..	..	..	1	..	1	1	2	5	1	6	5	4	6	2	4	2
Paralysis unspecified	110	..	..	2	..	..	2	2	1	..	1	4	1	2	5	8	5	6	17	16	14	9	7	10	3
General paresis	36	..	..	..	..	..	..	..	..	1	..	2	6	5	2	..	2	4	5	4	2	1	2	..	..
Other forms of insanity.....	54	..	..	1	1	..	2	3	1	1	7	10	6	5	2	1	6	2	2	..	3	1	1	1	..
Epilepsy	48	3	..	1	1	3	8	4	1	4	8	..	1	8	3	3	2	2	..	1	2	1	..	..	4
Convulsions (not puerperal).....	8	..	..	..	..	..	2	2	1	..	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Convulsions of infants.....	296	242	39	9	5	1	296	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10
Tetanus, trismus	22	12	1	..	..	1	14	1	..	..	1	3	3	..	..	..	..	..	..	..	..	..	..	..	..
Chorea	6	..	..	..	..	..	..	3	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..
Other nervous diseases	68	6	5	2	1	..	14	..	6	3	4	3	4	6	8	4	5	3	1	5	..	1	1	..	..
Diseases of the eyes	3	1	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the ears.....	68	10	8	5	4	4	31	3	9	6	1	7	1	3	2	..	3	1	..	1	..	..	..	..	..
Diseases of Circulatory System.																										
Pericarditis	18	2	..	..	1	..	3	3	1	..	..	3	1	..	1	1	2	..	2	..	..	1	..	..	1
Acute endocarditis	143	9	..	1	1	2	13	11	5	8	8	10	7	9	7	12	10	11	9	7	6	6	3	1	8	
Organic heart diseases.....	2,389	17	7	2	5	3	34	51	61	55	76	97	122	154	150	137	202	213	257	231	209	178	102	60	55	
Angina pectoris	82	..	..	..	..	..	1	..	..	2	5	2	7	7	7	3	8	6	7	14	11	2	..	2	..
Diseases of arteries, aneurism, etc.....	106	..	..	..	..	..	..	..	1	..	..	1	5	2	8	3	12	12	15	14	9	18	6	..	..
Embolism, thrombosis	68	1	..	..	..	1	..	..	..	4	5	2	..	4	..	6	10	11	7	6	4	3	5	1	..
Diseases of veins (hæmorrhoids, varices, phlebitis, etc.)	9	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	2	1	..	..	1	1	1	..	..
Diseases of lymphatics (lymphangitis, etc.)	3	2	..	1	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hæmorrhage	20	9	..	..	..	..	9	..	2	1	1	1	..	1	..	..	1	..	1	1	1	1	1	..	2
Diseases of Respiratory System.																										
Diseases of the nasal fossæ.....	2	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the larynx	32	10	3	4	3	3	23	1	..	1	..	..	2	..	1	1	..	..	1	1	1	..	..	1	..
Diseases of thyroid gland.....	4	1	..	..	..	..	1	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Acute bronchitis	796	363	126	32	17	9	547	11	6	5	5	4	4	5	7	12	10	15	25	26	40	35	22	17	36	
Chronic bronchitis	154	3	1	..	..	..	4	1	..	1	1	1	1	3	5	5	10	7	19	16	27	30	17	6	1
Broncho-pneumonia	1,601	645	354	120	33	24	1,176	40	13	11	16	11	22	11	12	18	30	39	47	46	38	30	23	18	58	
Pneumonia	2,896	398	250	129	59	32	868	87	36	65	87	126	143	158	123	119	155	155	215	184	154	106	68	47	110	
Pleurisy	132	14	13	6	5	..	38	8	8	5	11	6	5	8	8	6	4	6	7	5	4	2	..	1	5	
Congestion of lungs, pulmonary apoplexy.	50	8	1	..	..	..	9	..	..	2	..	2	..	2	2	1	3	4	5	2	2	4	8	4	2
Gangrene of lung	4	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..
Asthma	98	..	1	..	..	..	1	..	..	..	1	..	2	4	2	7	8	13	11	20	9	12	6	2	2
Pulmonary emphysema	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	4	4	8	3	2	..	1	..
Other diseases of respiratory system (phthisis excepted)	47	3	..	..	..	..	3	..	2	..	..	5	6	4	3	3	2	7	3	1	2	1	3	2	4
Diseases of Digestive System.																										
Diseases of mouth and adnexa.....	12	10	..	..	..	..	10	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Diseases of pharynx	18	6	2	..	..	1	9	4	..	..	1	..	1	..	1	..	..	..	..	..	1	..	1	..	..
Diseases of œsophagus	4	..	..	..	..	1	1	..	..	..	..	..	..	2	..	..	..	..	1	..	..	..	..	..	..
Ulcer of stomach	61	..	..	..	..	..	..	..	4	4	9	7	7	6	5	5	2	2	3	4	2	1	..	..	..
Other diseases of stomach(cancer excepted)	206	45	5	5	3	2	60	7	..	1	7	8	9	6	9	6	12	10	16	12	13	11	8	11	1	
Diarrhœa and enteritis (under two years).	2,130	1,790	340	..	..	..	2,130	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	42
(Of which) chronic diarrhœa.....	9	8	1	..	..	..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa and enteritis (two years and over)	382	..	..	58	29	11	98	17	4	8	11	12	12	11	12	9	18	30	30	29	24	29	17	11	4
Intestinal parasites	2	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Hernia, intestinal obstruction	259	17	5	2	1	1	26	4	2	2	9	11	10	13	20	26	38	18	27	18	14	9	8	4	1	
Other diseases of intestines.....	19	4	..	..	..	..	4	..	..	1	1	1	3	2	..	..	3	..	..	3	..	1	..	1	..
Acute yellow atrophy of liver.....	3	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hydatid tumor of liver.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Cirrhosis of liver	292	..	..	..	..	..	..	1	..	2	7	25	41	43	26	34	37	24	24	16	9	2	1	3	..
Biliary calculi	47	1	..	..	..	1	1	..	..	2	2	3	5	2	6	6	2	5	4	4	4	..	..	1	..
Other diseases of liver.....	87	6	..	..	..	6	1	..	..	3	2	7	11	1	4	7	5	15	10	9	5	1	..	1	..
Diseases of spleen	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Simple peritonitis (non-puerperal).....	69	3	1	..	3	1	8	3	2	4	7	5	8	10	6	3	4	4	2	1	1	1	..	..	3
Other diseases of digestive system (except tuberculosis and cancer)	5	..	..	..	..	..	..	..	..	1	..	..	1	..	1	1	..	..	..	..	..	1	..	..	..
Appendicitis and iliac abscess.....	186	..	1	..	2	3	6	18	25	11	25	17	23	14	20	4	8	5	5	2	2	..	1	..	4	
Diseases of Genito-urinary System.																										
Acute nephritis	340	14	4	8	11	7	44	17	11	28	17	34	25	28	23	26	20	24	14	13	6	5	3	2	10	
Bright's disease	2,293	4	4	2	6	3	19	14	14	31	53	89	124	173	174	197	234	204	270	230	213	150	68	36	50	
Other diseases of kidneys and adnexa....	30	..	..	..	..	..	..	..	3	2	2	2	..	8	3	1	2	1	2	1	2	1	..	1	..
Urinary calculus	3	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..
Diseases of bladder	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	1	..	..
Metritis	4	..	..	..	..	..	..	..	1	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Uterine hæmorrhage (not puerperal).....	3	..	..	..	..	..	..	..	..	1	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	77	..	..	..	..	..	..	..	..	3	4	7	17	20	11	9	2	1	2	1	..	..	..	..	6
Other diseases of uterus.....	35	..	..	..	..	..	..	..	1	1	6	6	8	4	6	1	1	1	..	..	..	..	..	..	1
Ovarian cysts and tumors.....	58	..	..	..	..	..	..	..	..	4	7	9	6	8	7	5	5	3	..	2	1	..	1	..	..
Other diseases of female genital organs...	115	..	..	..</																			

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Puerperal Diseases.																									
Accidents of pregnancy	118	..	..	..	..	..	..	..	..	5	20	38	28	18	9	..	..	..	..	..	..	..	..	..	4
Puerperal hemorrhage	45	..	..	..	..	..	..	..	..	1	13	12	9	6	4	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	95	..	..	..	..	..	..	..	..	2	9	24	23	25	11	1	..	..	..	..	..	..	..	..	..
Puerperal septicemia	247	..	..	..	..	..	..	..	..	19	53	85	48	29	10	3	..	..	..	..	..	..	..	..	6
Puerperal albuminuria and convulsions...	112	..	..	..	..	..	..	..	..	10	18	28	28	24	3	1	..	..	..	..	..	..	..	..	3
Puerperal phlegmasia alba dolens.....	5	..	..	..	..	..	..	..	..	..	..	1	2	2	..	..	..	..	..	..	..	..	..	..	..
Other accidents of parturition, sudden death	15	..	..	..	..	..	..	..	..	1	3	3	2	6	..	..	..	..	..	..	..	..	..	..	..
Disease of Skin and Cellular Tissue.																									
Gangrene	36	1	..	1	..	3	5	..	1	..	..	1	..	1	..	1	1	3	3	2	4	7	3	4	..
Carbuncle	4	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	..
Phlegmon, acute abscess	34	6	..	1	..	..	7	4	1	..	1	2	2	6	1	3	1	..	3	1	..	2	..	..	..
Other diseases of skin and adnexa.....	15	8	..	..	..	..	8	..	..	1	1	..	..	..	..	1	..	..	2	1	..	1	..	..	..
Diseases of Locomotor System.																									
Diseases of bones (non-tuberculous)....	44	21	6	4	..	1	32	..	2	2	1	2	..	2	..	1	..	..	2	..	..	..	..	..	3
Arthritis, other diseases of joints (except tuberculosis and rheumatism)	3	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..
Malformations.																									
Congenital malformations	167	157	2	3	..	1	163	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Diseases of Infancy.																									
Congenital debility, icterus and sclerema.	1,310	1,309	1	..	..	..	1,310	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	46
Other diseases peculiar to infancy	65	65	..	..	..	..	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Diseases of Old Age.																									
Senile debility	504	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	6	13	37	74	91	129	151	12	..
External Causes.																									
Suicide by poison.....	148	..	..	..	..	..	..	..	10	23	37	22	14	12	8	6	3	4	5	3	1	..	..	..	1
Suicide by asphyxia	40	..	..	..	..	..	..	..	2	5	5	4	7	6	4	..	3	2	1	..	1	..	..	..	1
Suicide by hanging or strangulation.....	9	..	..	..	..	..	..	..	..	1	2	..	1	..	..	4	1	..	..	..	..	..	..	..	1
Suicide by drowning	5	..	..	..	..	..	..	..	..	2	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Suicide by firearms.....	3	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..
Suicide by cutting instruments.....	9	..	..	..	..	..	..	..	..	..	..	3	1	1	..	2	1	..	1	..	..	..	..	..	..
Suicide by precipitation from height.....	9	..	..	..	..	..	..	..	..	1	1	..	..	2	..	1	..	..	2	..	..	2	..	..	..
Suicide by crushing.....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Suicide by other methods.....	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Fractures	51	2	2	1	1	..	6	4	..	1	..	..	2	5	2	1	5	3	9	5	4	2	1	1	..
Dislocations	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Other accidental injuries.....	261	5	7	14	16	14	56	28	5	7	14	11	11	16	14	10	10	18	20	12	11	11	5	2	3
Burn, by fire scald.....	209	9	19	8	17	26	79	24	8	6	6	6	11	12	10	11	13	8	5	5	1	3	1	..	4
Sunstroke	60	21	3	1	2	..	27	3	1	..	..	2	..	3	..	2	4	4	2	5	5	..	1	1	1
Freezing	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Electrical shock	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidental drowning	33	1	..	1	..	..	2	3	..	2	6	4	..	6	1	2	1	1	2	..	2	1	..	..	..
Inanition (starvation)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Inhalation of noxious gas, not suicidal...	103	2	1	1	2	3	9	1	1	8	11	8	8	4	7	5	10	5	6	9	3	5	3	..	..
Other acute poisoning.....	66	2	1	2	2	2	9	2	1	2	7	12	7	13	3	1	5	2	1	1	..	..	..	..	2
Other external violence.....	82	22	3	1	..	1	27	1	..	2	5	9	12	7	5	3	3	2	4	..	2	..	..	..	2
a. Homicide, by blows.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
b. Homicide, by sharp instruments.....	3	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..
c. Homicide, by gunshot.....	10	..	..	..	..	..	..	..	1	..	1	3	1	..	2	1	1	..	..	..	..	..	..	..	..
d. Homicide, by other methods.....	6	5	..	..	..	5	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ill-defined or Not Specified Causes.																									
Ill-defined causes	497	411	62	10	5	1	489	3	..	..	..	..	1	..	..	1	..	3	..	..	..	..	..	..	29
Injury during birth.....	133	132	..	..	..	1	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
General diseases	8,759	532	554	400	271	204	1,961	530	211	370	571	799	676	625	533	434	461	441	407	282	228	131	71	28	269
a. Tuberculous diseases	3,706	152	111	75	34	22	394	78	94	288	487	641	528	389	253	158	117	106	66	44	35	20	5	3	175
b. Cancer	1,594	1	1	1	2	..	5	2	3	6	6	22	44	111	164	183	223	228	225	134	120	66	38	14	33
Diseases of nervous system and organs of sense	2,522	423	141	61	37	25	687	50	43	29	45	52	61	78	96	114	183	162	236	216	181	145	85	59	69
Diseases of circulatory system.....	2,842	40	7	4	7	5	63	66	69	65	92	121	135	176	172	166	228	257	299	268	250	211	129	75	71
Diseases of respiratory system.....	5,862	1,451	749	291	117	68	2,676	149	65	92	122	157	186	195	165	174	225	254	337	311	285	224	147	98	221
Diseases of digestive system.....	3,785	1,883	354	65	38	20	2,360	57	34	31	73	78	108	122	125	89	133	117	126	103	90	71	40	28	70
Diseases of genito-urinary system.....	2,963	18	8	10	17	10	63	31	25	70	98	168	198	253	259	254	271	238	292	247	224	159	73	40	80
Puerperal diseases	637	..	..	..	..	..	..	..	38	116	191	140	110	37	5	..	..	..	..	..	..	..	..	..	15

Deaths of Males by Age, and Causes of Death, for the Year Ending December 31, 1903.

Cause of Death.	Total, Both Sexes.		All Ages.		Total Under 5.																				Col.		
	0	1	2	3	4	5	6	7	8	9	10	15	20	25	30	35	40	45	50	55	60	65	70	75		80	85
General Diseases.																											
Typhoid fever	317	193	1	2	1	1	2	7	10	13	24	33	33	21	17	14	7	3	4	2	4	1	5
Malarial fever	27	14	..	..	1	2	..	3	..	1	..	..	..	..	3	1	..	..	1	1	1	2	1	..	..	..
Measles	276	143	50	58	15	10	2	135	5	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Scarlet fever.....	291	140	8	24	23	14	13	82	40	9	3	1	1	3	..	1	..	..	..	..	..	..	..	..	..	..
Whooping cough	166	69	37	19	5	6	2	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Diphtheria and croup	1,077	551	65	140	115	75	46	441	86	4	5	3	2	2	2	2	2	..	1	..	..	..	..	..	1	5
Influenza	232	102	8	6	4	2	1	21	1	..	2	4	4	5	4	3	5	11	7	15	10	1	5	3	1	3	
Cholera nostras	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..
Dysentery	49	22	2	1	..	..	..	3	1	..	..	..	..	1	2	1	..	4	1	1	1	3	3	..	1	..
Leprosy	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	129	74	20	2	..	..	..	22	..	..	1	..	4	5	4	10	5	6	4	4	3	3	2	1	..	1
Other epidemic diseases.....	8	6	3	1	..	..	..	4	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Pyæmia, septicæmia	66	46	17	1	1	..	..	19	..	..	2	..	2	1	3	3	8	2	4	1	1	..	..	..	..	1
Glanders	3	3	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Malignant pustule	4	4	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Hydrophobia	2	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pellagra	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of larynx	23	20	1	..	..	..	..	1	..	..	..	..	2	4	3	3	3	2	..	1	..	1	..	..	..	..
Tuberculosis of lungs	3,971	2,400	17	9	8	5	1	40	12	13	109	209	335	394	364	281	236	143	105	89	38	22	8	1	1	78	
Tubercular meningitis	508	283	106	54	28	19	7	214	26	7	9	9	6	5	2	3	..	1	1	..	..	..	..	..	..	7
Abdominal tuberculosis	98	54	4	6	2	..	1	13	3	3	4	11	4	5	..	4	2	2	1	..	2	..	..	..	..	2
Potts' disease	40	21	..	..	2	..	1	3	4	3	3	..	2	2	..	2	1	1	..	..	..	..	..	..	..	..
Cold abscess	6	3	1	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
White swelling	16	10	..	..	..	1	..	1	3	1	1	1	..	..	2	..	1	..	..	..	..	..	..	..	..	..
Tuberculosis of other organs.....	25	15	1	..	1	..	..	2	..	1	2	1	1	1	..	2	2	2	1	..	..	..	..	..	..	..
General tuberculosis	34	17	1	1	1	..	..	3	3	..	2	..	3	2	..	1	2	..	1	..	..	..	..	..	..	2
Scrofula	4	3	1	1	..	..	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Syphilis	120	60	34	1	..	..	..	35	..	1	..	1	3	..	8	4	4	2	1	..	1	..	..	..	..	..
Gonorrhœa (adults)	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gonorrhœa (children)	4	3	3	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancers, etc., of the mouth.....	69	56	..	..	1	..	..	1	..	1	..	..	..	1	2	7	7	4	9	13	4	6	..	1	..	..
Cancer of stomach, liver.....	588	330	1	..	..	..	..	1	1	1	1	1	7	7	16	24	32	52	53	48	48	25	10	3	..	4
Cancer of intestines, rectum.....	224	95	..	1	..	..	..	1	..	..	..	2	4	4	5	10	15	5	17	11	10	6	3	2	..	1
Cancer of female genital organs....	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the breast.....	144	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the skin.....	34	24	..	..	..	..	..	..	..	..	..	1	1	1	3	2	2	4	2	1	5	2	..	..	1	..
Cancer of other organs and un- specified	217	109	2	..	..	1	1	4	2	1	3	2	4	4	6	7	13	9	11	15	14	4	7	3	..	2
Other tumors (except of female genital organs)	38	26	..	..	1	..	2	3	1	1	2	..	..	1	1	1	4	7	..	1	2	2	..	..	..	..
Acute articular rheumatism.....	141	51	..	..	..	1	2	3	9	8	7	2	2	3	6	..	4	5	..	2	..	..	..	..	..	..
Chronic rheumatism and gout.....	54	19	..	..	..	..	..	..	..	..	..	1	..	..	2	..	1	3	3	3	..	2	3	1	..	..
Scurvy	7	5	3	..	1	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diabetes	268	128	..	..	..	..	..	..	..	1	3	3	3	11	10	12	18	14	13	19	18	1	2	..	..	..
Exophthalmic goitre	18	3	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Addison's disease	8	5	..	..	..	..	..	..	..	..	..	..	2	..	2	..	..	1	..	..	..	..	..	..	..	..
Leukæmia	28	19	..	2	..	..	..	2	..	1	1	1	3	4	4	..	1	1	..	..	1	..	..	..	..	..
Anæmia, chlorosis	52	23	1	1	..	..	..	2	2	1	1	..	..	2	3	4	4	1	1	..	1	..	1	..	..	..
Other general diseases.....	2	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Alcoholism, acute and chronic.....	473	378	..	..	..	..	..	..	..	..	8	40	56	62	70	54	41	15	16	12	3	1	..	..	..	2
Lead poisoning	6	6	..	..	..	..	..	..	..	..	..	..	3	..	..	2	..	1	..	..	..	..	..	..	..	..
Other chronic poisonings of occupa- tion	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other chronic poisonings.....	6	4	..	..	..	..	..	..	..	..	2	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Nervous System and Organs of Sense.																											
Encephalitis	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Simple meningitis	590	325	96	59	27	20	15	217	27	10	15	11	6	7	3	7	4	7	2	3	1	2	3	..	..	3
(Of which) cerebro-spinal meningitis	173	100	19	15	12	5	5	56	14	3	7	6	3	4	..	2	1	1	1	..	..	2	..	..	..	1
Locomotor ataxia	28	20	..	..	..	..	..	..	..	..	..	..	1	1	4	2	2	6	1	2	1	..	..	..	..	..
Other diseases of spinal cord.....	82	49	..	..	..	..	..	1	1	..	3	4	3	5	5	2	3	6	8	3	2	2	..	1	..	..
Apoplexy, congestion of brain.....	1,167	603	2	1	..	..	3	1	..	1	4	4	19	23	42	45	73	95	101	81	60	38	17	6	3	3
Softening of brain.....	34	16	..	..	..	..	..	..	..	..	..	..	2	..	1	1	..	2	4	2	2	2	..	..	..	..
Paralysis unspecified	111	46	1	..	..	..	1	..	..	2	..	..	..	3	4	4	2	4	7	8	5	2	3	1	..	..
General paresis	93	75	..	1	..	1	..	2	..	..	2	1	11	14	13	13	5	5	1	3	1	3	..	1	2	..
Other forms of insanity.....	64	16	..	..	..	..	..	1	..	2	2	..	..	1	1	3	..	2	..	3	1	..	..	..	1	..
Epilepsy	79	51	1	2	..	1	1	5	..	3	6	8	6	5	10	1	2	..	1	1	..	..	..	1	2	..
Convulsions (not puerperal).....	7	3	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions of infants.....	406	227	186	27	9	3	2	227	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Tetanus, trismus	51	36	15	1	..	..	..	16	4	4	3	2	4	..	2	1	..	..	..	..	..	..	..	..	..	1
Chorea	4	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Other nervous diseases.....	71	43	1	3	..	1	1	6	1	2	1	3	3	2	6	7	4	3	3	..	..	1	..	1	..	1
Diseases of the eyes.....	6	3	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the ears.....	119	64	10	3	6	3	2	24	3	5	5	6	2	1	3	5	2	3	1	1	3	..	..	..	..	3
Diseases of Circulatory System.																											
Pericarditis ..																											

Cause of Death.	Total, Both Sexes.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Embolism, thrombosis	61	27	1	..	..	..	..	1	1	..	1	1	3	..	..	1	4	1	1	3	2	5	1	2	..	..
Diseases of veins (hemorrhoids, varices, phlebitis, etc.)	14	9	..	..	..	..	..	..	..	..	1	..	..	..	1	1	1	1	1	1	2	..	..	..	..	..
Diseases of lymphatics (lymphangitis, etc.)	2	2	1	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hæmorrhage	38	24	14	1	1	1	1	18	3	1	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..
Diseases of Respiratory System.																										
Diseases of the nasal fossæ.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the larynx.....	29	16	5	5	1	3	..	14	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	1
Diseases of thyroid gland.....	5	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Acute bronchitis	806	385	210	71	20	8	4	313	5	1	..	..	1	..	2	2	3	9	5	13	9	10	7	1	4	6
Chronic bronchitis	85	33	..	..	..	..	..	..	..	..	..	3	..	..	..	2	2	2	4	6	6	3	3	2	..	..
Broncho-pneumonia	2,257	1,185	523	275	84	38	14	934	31	4	2	11	10	11	8	15	15	21	29	27	21	21	12	10	3	30
Pneumonia	3,574	2,008	263	167	65	24	14	533	38	17	44	66	112	116	155	153	149	148	108	116	93	65	46	25	24	55
Pleurisy	201	115	14	15	7	4	2	42	5	..	3	1	9	6	13	5	6	7	7	4	3	1	1	1	1	..
Congestion of lungs, pulmonary apoplexy	69	27	4	1	..	..	..	5	..	..	..	1	1	..	1	..	..	..	2	1	4	1	3	5	3	1
Gangrene of lung.....	18	17	2	..	..	..	..	2	..	..	1	1	..	2	2	2	..	2	..	4	..	1	..	..	..	..
Asthma	79	30	..	..	..	..	..	..	..	..	1	1	..	2	1	5	2	3	4	4	5	2	..	..	..	..
Pulmonary emphysema	46	29	..	..	..	..	..	..	..	..	..	..	..	1	..	1	5	3	4	6	5	2	1	..	1	..
Other diseases of respiratory system (phthisis excepted)	47	25	1	..	..	..	..	1	..	1	1	..	3	4	2	2	1	5	2	1	2	..	..	..	..	1
Diseases of Digestive System.																										
Diseases of mouth and adnexa.....	18	10	6	2	..	2	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of pharynx.....	32	23	6	..	2	1	2	11	5	1	..	1	1	1	..	1	..	2	..	..	..	..	..	..	..	..
Diseases of œsophagus	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Ulcer of stomach	74	37	..	..	..	..	..	..	..	..	2	3	2	5	5	5	3	4	2	5	..	..	1	..	..	1
Other diseases of stomach (cancer excepted)	144	57	6	3	1	..	1	11	..	..	..	..	3	4	5	6	5	6	3	4	5	3	2	..	..	..
Diarrhœa and enteritis (under two years)	2,440	1,265	1,077	188	..	..	..	1,265	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24
Diarrhœa and enteritis (two years and over)	338	148	..	..	23	12	13	48	7	2	3	5	4	5	8	12	3	9	8	9	7	9	5	3	1	2
Intestinal parasites	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hernia, intestinal obstruction.....	276	130	23	3	1	..	..	27	1	1	3	5	5	7	9	7	8	10	9	11	13	7	5	1	1	1
Other diseases of intestines.....	18	9	3	..	..	..	1	4	..	..	..	..	..	1	1	..	..	1	..	2	..	..	..	..	..	..
Acute yellow atrophy of liver.....	4	2	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Hydatid tumor of liver.....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Cirrhosis of liver	455	280	1	..	..	..	..	1	..	..	2	..	11	26	39	32	35	32	40	20	18	18	5	1	..	3
Biliary calculi	15	18	1	..	..	..	..	1	..	..	..	..	1	1	3	2	..	1	4	1	2	2	..	..	..	..
Other diseases of liver.....	76	43	5	..	..	..	..	5	..	..	1	2	3	4	7	4	2	5	3	3	2	..	1	1	..	..
Diseases of spleen.....	2	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Simple peritonitis (non-puerperal). Other diseases of digestive system (except tuberculosis and cancer)	83	32	5	1	..	..	..	6	..	1	1	2	5	1	1	1	2	6	1	2	..	1	1	1	..	2
Appendicitis and iliac abscess.....	283	169	2	..	..	..	..	2	15	19	18	18	14	24	18	10	6	9	10	3	2	..	..	1	..	2
Diseases of Genito-urinary System.																										
Acute nephritis	342	159	11	5	9	5	5	35	10	4	5	6	13	12	7	13	4	10	9	7	11	7	4	1	1	3
Bright's disease	2,537	1,374	1	2	2	5	1	11	8	6	7	25	43	73	114	134	129	162	146	148	129	135	59	27	18	24
Other diseases of kidneys and adnexa	44	29	3	..	..	..	..	3	..	..	..	..	1	2	2	1	4	1	2	2	3	5	1	1	1	..
Urinary calculus	9	7	..	..	..	..	..	1	..	..	..	..	..	1	1	1	..	..	..	..	1	..	1	..	1	..
Diseases of bladder.....	37	36	..	..	..	..	..	..	..	..	1	..	1	1	1	1	..	3	3	3	3	7	7	2	4	..
Diseases of urethra, urinary abscess, etc.	9	9	..	..	..	..	..	..	..	..	..	2	1	..	..	1	1	..	2	2	..	..	..	..	..	3
Diseases of the prostate.....	37	37	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	1	4	8	7	9	2	2	..
Non-venereal diseases of male genital organs	7	7	3	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	1	3	..	..	..	..
Uterine hæmorrhage (not puerperal)	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of uterus.....	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ovarian cysts and tumors.....	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of female genital organs	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of breast (not puerperal nor cancer)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Diseases.																										
Accidents of pregnancy.....	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal hæmorrhage	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal septicæmia	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal albuminuria and convulsions	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal phlegmasia alba dolens... Other accidents of parturition, sudden death	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Skin and Cellular Tissue.																										
Gangrene	54	29	2	..	..	..	..	2	..	1	..	..	..	1	..	2	1	2	1	4	5	2	6	2	1	1
Carbuncle	5	4	1	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..
Phlegmon, acute abscess.....	54	32	6	1	..	..	..	7	..	..	1	1	4	3	4	2	4	2	2	..	..	2	..	..	..	..
Other diseases of skin and adnexa..	15	8	4	..	..	..	..	4	..	..	..	..	..	..	..	..	1	1	1	1	..	..	..	..	..	..
Diseases of Locomotory System.																										
Diseases of bones (non-tuberculous) Arthritis, other diseases of joints (except tuberculosis and rheumatism)	68	40	14	8	1	..	1	24	4	2	1	..	2	2	1	1	1	1	1	..	..	..	..	..	..	2
Malformations.																										
Congenital malformations	173	100	85	4	4	1	1	95	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Infancy.																										
Congenital debility, icterus and sclerema	1,779	1,003	1,003	..	..	..	..	1,003	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	43
Other diseases peculiar to infancy.	25	11	11	..	..	..	..															

Cause of Death.	Total, Both All Sexes. Ages.																														Col.
	0	1	2	3	4	Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85								
Suicide by hanging or strangulation	37	32	..	..	..	..	..	..	..	..	..	3	1	8	4	3	5	4	2	2	..	..	..	..	..	
Suicide by drowning.....	4	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Suicide by firearms.....	100	99	..	..	..	..	..	..	..	2	12	8	16	12	8	16	14	4	4	2	..	1	..	..	..			
Suicide by cutting instruments.....	23	17	..	..	..	..	..	..	..	..	..	2	6	7	1	..	1	..	..	..	..	..	..	1	..
Suicide by precipitation from height.	13	7	..	..	..	..	..	..	..	..	..	..	3	1	1	1	1	..	..	..	..	..	..	..	..
Suicide by crushing.....	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Fractures	136	101	..	3	2	1	1	7	5	2	5	2	8	17	15	7	11	5	4	6	1	3	1	1	1						
Dislocations	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidental injuries.....	809	649	3	11	10	13	16	53	63	23	30	44	60	73	76	53	44	37	31	22	15	10	9	5	1						
Burn, by fire, scald	185	73	3	12	13	13	5	46	12	..	..	2	2	3	1	2	..	1	1	1	..	..	1	1	..		
Burning by corrosive substances....	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sunstroke	66	38	6	1	1	..	..	8	..	..	..	2	..	3	1	3	2	9	3	1	1	2	2	..	1	
Electrical shock	6	5	..	..	..	..	..	..	..	..	1	2	1	1	..	..	..	..	..	..	..	..	..	..	..
Accidental drowning	221	205	1	1	..	..	..	2	14	12	7	14	16	21	30	31	15	18	8	11	5	1	..	..	2	
Inanition (starvation)	2	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Inhalation of noxious gas, not suicidal	218	141	1	..	..	..	..	1	4	..	9	21	21	14	16	14	8	12	9	4	3	2	2	1	..		
Other acute poisoning	109	57	1	1	1	1	1	5	3	..	2	3	7	11	2	4	5	6	1	4	2	2	..	..	..			
Other external violence.....	139	92	17	2	..	..	..	19	2	2	3	13	7	7	17	8	4	2	1	1	3	1	2	..	1			
a. Homicide, by blows.....	15	15	..	..	..	..	..	..	..	..	1	1	3	4	3	1	1	..	1	..	..	..	..	..	..
b. Homicide, by sharp instruments	10	9	..	..	..	..	..	..	..	..	1	2	1	1	3	1	..	..	..	..	..	..	..	..	1
c. Homicide, by gunshot.....	40	32	1	..	..	..	..	1	1	..	1	9	4	3	9	2	..	1	..	..	1	..	..	..	..		
d. Homicide, by other methods...	4	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ill-defined or Not Specified Causes.																															
Ill-defined causes	588	318	285	26	4	3	..	318	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11
Injury during birth.....	196	113	113	..	..	..	..	113	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
General diseases	10,135	5,543	387	330	210	137	81	1,145	212	70	186	297	472	544	531	479	429	330	261	239	176	102	47	17	6						
a. Tuberculous diseases	4,722	2,823	131	70	42	25	10	278	52	28	131	231	353	413	371	296	247	151	109	90	40	23	8	1	1						
b. Cancer	1,526	614	3	1	1	1	1	7	3	3	4	5	16	17	30	51	69	72	94	89	77	46	22	9	..						
Diseases of nervous system and organs of sense	2,913	1,580	312	97	42	29	21	501	42	25	32	39	33	52	68	101	80	102	114	127	107	75	51	21	10						
Diseases of circulatory system.....	3,244	1,693	24	4	2	1	4	35	30	30	43	42	72	84	105	139	121	175	187	199	153	121	91	46	20						
Diseases of respiratory system.....	7,217	3,872	1,022	534	177	77	34	1,844	79	23	51	81	140	140	185	185	186	198	165	179	151	109	76	44	36						
Diseases of digestive system.....	4,306	2,234	1,136	197	27	15	17	1,392	28	24	30	36	49	80	98	80	69	87	82	59	45	41	23	9	2						
Diseases of genito-urinary system...	3,206	1,658	18	7	11	10	6	52	19	10	12	32	59	90	125	151	140	178	161	166	157	162	84	33	27						
Puerperal diseases	336	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of skin and cellular tissue.	128	73	13	1	..	..	..	14	..	1	..	1	1	5	4	6	3	7	6	7	5	2	8	2	1			
Diseases of locomotory system.....	77	48	15	9	2	..	1	27	4	3	1	..	3	2	2	1	2	1	1	..	..	..	1	..	4			
Malformations	173	100	85	4	4	1	1	95	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20
Diseases of infancy.....	2,000	1,127	1,127	..	..	..	..	1,127	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	44
Diseases of old age.....	335	121	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5	13	22	28	26	26	..
External causes	2,355	1,699	33	30	27	28	23	141	103	39	64	123	156	188	213	164	136	132	81	63	42	24	18	9	3						
a. Suicide	462	336	..	..	..	..	..	..	..	..	8	22	33	38	52	42	47	42	23	12	12	3	1	1	..
b. Homicide	68	57	2	..	..	..	..	2	1	..	2	12	6	7	16	6	1	2	..	1	1	..	..	..	2
c. Accident	1,825	1,306	31	30	27	28	23	139	102	39	54	89	117	143	145	116	88	88	58	50	29	21	17	8	3						
Causes ill-defined	588	318	285	26	4	3	..	318	6						
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Total, males	20,066	4,457	1,240	506	301	188	6,692	520	227	419	651	985	1,185	1,331	1,306	1,166	1,210	1,059	1,043	849	658	426	208	131	430						
Total, females	16,947	3,724	1,127	488	294	203	5,836	473	236	393	650	906	843	925	855	730	883	844	962	746	630	493	325	217	458						
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Total, both sexes.....	37,013	8,181	2,367	994	595	391	12,528	993	463	812	1,301	1,891	2,028	2,256	2,161	1,896	2,093	1,903	2,005	1,595	1,288	919	533	348	888						

Deaths of Females by Age, and Cause of Death, for the Year Ending December 31, 1903.

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.	
General Diseases.																										
Typhoid fever	124	..	..	1	1	1	3	15	10	10	19	23	9	13	11	1	3	3	1	1	2	..	..	..	3
Malarial fever	13	..	1	..	..	..	1	1	1	1	..	1	..	2	..	2	..	2	1	..	2	..	..	..	..
Measles	133	34	55	22	12	4	127	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	
Scarlet fever	151	7	18	31	24	16	96	36	6	4	1	4	2	..	2	..	..	..	..	..	..	..	..	..	..
Whooping cough	97	49	25	14	3	3	94	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Diphtheria and croup	526	48	133	97	80	56	414	96	11	3	1	..	..	..	1	..	..	..	..	..	..	..	..	..	10
Influenza	130	4	2	..	..	..	6	3	4	2	4	2	5	7	10	7	20	4	16	9	11	12	6	2	3
Cholera nostras	3	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	2	..	..	..	..	..
Dysentery	27	1	..	..	..	..	1	..	..	..	..	..	2	1	2	..	5	4	5	4	1	..	2	..	1
Erysipelas	55	25	2	1	..	..	28	..	..	1	..	5	4	..	1	4	5	3	1	1	1	..	..	1	1
Other epidemic diseases	2	1	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pyæmia, septicæmia	20	7	..	..	..	..	7	1	..	..	1	1	..	1	..	5	2	1	..	..	..	..	1	..	..
Hydrophobia	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of larynx.....	3	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1
Tuberculosis of lungs.....	1,571	8	14	9	5	2	38	16	30	135	226	305	233	187	133	68	52	62	31	28	14	8	2	3	75	
Tubercular meningitis	225	69	54	29	15	8	175	25	7	6	4	1	2	2	1	1	..	1	..	..	..	..	..	..	15
Abdominal tuberculosis	44	9	2	..	..	2	13	4	3	4	5	3	4	2	1	1	1	1	..	..	1	1	..	..	3
Potts' disease	19	1	..	..	..	..	1	2	4	1	2	..	1	..	1	2	2	1	1	1	..	..	..	..	..
Cold abscess	3	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
White swelling	6	1	..	1	..	..	2	2	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Tuberculosis of other organs.....	10	..	..	2	..	..	2	1	..	..	2	..	..	..	3	..	..	1	..	..	1	..	..	..	..
General tuberculosis	17	5	..	..	..	2	7	..	1	..	2	1	1	1	1	..	..	..	3	1	..	..	..	..	..
Scrofula	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	60	33	5	1	..	..	39	..	..	1	1	7	..	1	4	2	1	2	2	..	..	..	..	..	1

[illegible]

Cause of Death.	All Ages.			Total																				Col.	
	0	1	2	3	4	Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85		
Diseases of Genito-urinary System.																									
Acute nephritis	183	9	2	4	9	5	29	11	4	11	7	20	10	14	15	17	10	17	4	8	2	3	1	..	7
Bright's disease	1,163	1	2	1	..	1	5	6	9	9	28	49	60	97	98	109	125	109	152	107	84	59	41	16	16
Other diseases of kidneys and adnexa.....	15	..	..	..	..	..	..	..	..	1	..	1	2	..	..	..	..	..	..	..	2	..	..	1	..
Urinary calculus	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..
Diseases of bladder.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Uterine hæmorrhage (not puerperal).....	3	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	53	..	..	..	..	..	..	..	..	3	3	5	13	11	8	6	1	1	1	1	..	..	..	..	3
Other diseases of uterus.....	25	..	..	..	..	..	..	..	..	1	1	4	6	4	4	4	..	..	1	..	..	..	..	..	1
Ovarian cysts and tumors.....	29	..	..	..	..	..	..	..	..	2	4	8	1	4	4	1	1	1	..	2	1	..	..	..	..
Other diseases of female genital organs...	73	..	..	..	..	..	..	..	..	5	13	11	15	13	13	2	..	..	1	..	..	..	..	..	6
Diseases of breast (not puerperal nor cancer)	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Diseases.																									
Accidents of pregnancy.....	66	..	..	..	..	..	..	..	3	12	20	17	9	5	..	..	..	..	..	..	..	..	..	..	3
Puerperal hæmorrhage	26	..	..	..	..	..	..	..	..	8	8	4	3	3	..	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	56	..	..	..	..	..	..	..	1	5	15	11	18	5	1	..	..	..	..	..	..	..	..	..	1
Puerperal septicæmia	133	..	..	..	..	..	..	..	12	30	43	21	18	8	1	..	..	..	..	..	..	..	..	..	1
Puerperal albuminuria and convulsions...	48	..	..	..	..	..	..	..	5	8	14	9	11	1	..	..	..	..	..	..	..	..	..	..	..
Puerperal phlegmasia alba dolens.....	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of parturition, sudden death	5	..	..	..	..	..	..	..	1	1	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Skin and Cellular Tissue.																									
Gangrene	25	1	..	1	..	2	4	..	1	..	..	..	..	1	..	1	1	1	2	1	4	4	2	3	..
Carbuncle	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Phlegmon, acute abscess	22	1	..	1	..	2	3	1	..	1	1	1	6	..	2	..	..	3	1	..	1	..	..	..	..
Other diseases of skin and adnexa.....	7	3	..	..	..	3	..	..	1	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..
Diseases of Locomotory System.																									
Diseases of bones (non-tuberculous).....	28	13	5	1	..	1	20	..	1	2	1	1	..	1	..	1	..	1	..	..	..	..	..	..	2
Malformations.																									
Congenital malformations	73	69	1	..	..	70	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Diseases of Infancy.																									
Congenital debility, icterus and sclerema..	776	775	1	..	..	776	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22
Other diseases peculiar to infancy.....	14	14	..	..	..	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Diseases of Old Age.																									
Senile debility	214	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3	4	24	28	46	47	60	4	4
External Causes.																									
Suicide by poison.....	81	..	..	..	..	..	..	..	6	11	17	14	10	7	3	3	3	2	2	3	..	..	..	..	..
Suicide by asphyxia	24	..	..	..	..	..	..	..	..	5	2	4	3	3	3	..	1	1	1	..	1	..	..	..	..
Suicide by hanging or strangulation.....	5	..	..	..	..	..	..	..	..	..	2	..	1	..	..	2	..	..	..	..	..	..	..	..	..
Suicide by drowning.....	3	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Suicide by firearms.....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Suicide by cutting instruments.....	6	..	..	..	..	..	..	..	..	..	..	1	1	1	..	2	..	..	1	..	..	..	..	..	..
Suicide by precipitation from height.....	6	..	..	..	..	..	..	..	..	1	1	..	..	2	..	1	..	..	1	..	..	..	..	..	..
Fractures	35	1	2	1	1	..	5	1	..	1	..	..	1	1	2	1	3	3	7	4	3	2	1	..	..
Other accidental injuries.....	160	2	5	11	9	9	36	15	4	6	10	10	8	8	11	6	4	8	14	6	4	6	3	1	2
Burn, by fire, scald.....	112	1	16	5	10	15	47	10	5	3	4	5	5	6	4	5	8	7	1	2	..	..	..	..	..
Sunstroke	28	8	1	1	2	..	12	1	..	..	..	1	..	3	..	2	..	3	2	..	3	..	1	..	1
Electrical shock	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidental drowning	16	..	..	..	..	..	2	..	1	3	3	..	2	1	1	..	1	1	..	1	..	..	..	..	..
Inanition (starvation)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Inhalation of noxious gas, not suicidal...	77	2	1	1	1	3	8	1	1	7	8	7	8	3	6	3	8	2	5	6	2	1	1	..	..
Other acute poisoning	52	1	..	2	..	1	4	1	1	2	5	11	6	11	2	1	4	2	1	1	..	..	..	..	1
Other external violence.....	47	14	2	1	..	17	..	..	1	2	4	7	4	4	3	2	..	3	..	..	..	..	..	..	..
Homicide, by sharp instruments.....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Homicide, by gunshot.....	8	..	..	..	..	..	..	..	1	..	..	3	1	..	2	1	..	..	..	..	..	..	..	..	..
Homicide, by other methods.....	2	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ill-defined or Not Specified Causes.																									
Ill-defined causes	270	235	28	2	2	..	267	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	16
Injury during birth.....	83	82	..	..	..	1	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
General diseases	4,592	309	314	210	143	98	1,074	233	91	187	286	403	336	335	311	237	262	244	218	146	114	67	35	13	141
a. Tuberculous diseases	1,899	95	70	41	20	14	240	52	44	146	242	311	243	194	139	79	57	69	30	26	19	13	1	3	95
b. Cancer	912	1	1	1	2	..	5	1	2	6	6	15	33	71	100	111	135	121	124	64	59	36	18	5	12
Diseases of nervous system and organs of sense	1,333	264	77	41	32	17	431	34	28	20	27	35	34	37	53	59	97	81	116	97	67	54	38	25	43
Diseases of circulatory system.....	1,551	15	3	1	1	3	23	40	35	47	50	72	82	94	105	100	128	147	162	127	118	108	75	38	36
Diseases of respiratory system.....	3,345	868	477	180	65	39	1,629	84	32	42	69	93	100	112	91	102	138	144	192	164	146	103	60	44	104
Diseases of digestive system.....	2,072	1,035	189	24	19	9	1,276	28	21	18	46	41	67	81	78	51	75	64	67	44	47	34	18	16	32
Diseases of genito-urinary system.....	1,548	10	4	5	9	6	34	17	13	27	54	94	107	143	151	146	142	129	160	117	89	65	43	17	33
Puerperal diseases	336	..	..	..	..	..	..	..	22	64	102	62	62	22	2	..	..	..	..	..	..	..	..	..	5
Diseases of skin and cellular tissue.....	55	5	..	2	..	2	9	1	4	1	1	1	1	7	..	3	2	2	5	3	4	6	2	3	..
Diseases of locomotory system.....	29	14	5	1	..	1	21	..	1	2	1	1	..	1	..	1	..	..	1	..	..	..	..	..	2
Malformations	73	69	1	..	..	70	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of infancy.....	873	871	2	..	..	873	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	35
Diseases of old age.....	214	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3	4	24	28	46	47	60	3	3
External causes	656	29	27	22	23	28	129	31	11	27	52	64	54	53	44	28	37	30	37	24	17	10	7	1	5
a. Suicide	126	..	..	..	..	..	..	..	..	6	19	23	19	15	14	6	8	4	3	5	3	1	..	..	..
b. Homicide	11	2	..	..	..	2	..	..	1	..	..	3	1	1	2	1	..	..	..	..	..	..	..	..	..
c. Accident	519	27	27	22	23	28	127	31	11	20	33	41	32	37	29	20	28	26	34	19	14	9	7	1	5
Causes ill-defined	270	235	28	2	2	..	267	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	14
Total, females																									

BOROUGH OF THE BRONX.
Deaths of Males by Age, and Causes of Death, for the Year Ending December 31, 1903.

Cause of Death,	Total, Both Sexes.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
General Diseases.																										
Typhoid fever	33	18	1	..	2	1	4	3	2	1	2	1	1
Malarial fever	12	8	1	2	1	..	1	5	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Small pox	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Measles	45	24	8	11	2	2	1	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever	174	91	1	17	13	16	12	59	23	5	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..
Whooping cough	21	7	4	3	..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and croup	155	77	8	11	15	14	10	58	17	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Influenza	20	9	1	..	1	..	..	2	1	..	..	..	..	..	..	1	1	1	1	..	..	2	..	..	..
Cholera nostras	5	3	..	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..
Dysentery	18	10	2	..	2	..	..	4	..	..	..	..	1	..	..	..	1	..	1	2	..	..	..	1	..
Erysipelas	11	4	2	..	..	..	..	2	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Other epidemic diseases.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pyæmia, septicæmia	11	5	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	2	..	..	..	..	..	..	1
Hydrophobia	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of larynx.....	3	3	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..
Tuberculosis of lungs.....	1,292	845	1	1	1	4	43	75	112	150	153	107	81	55	30	20	4	4	3	1	1	44
Tubercular meningitis	58	33	7	3	4	3	..	17	6	1	2	1	2	..	1	1	..	2	..	..	..	..	..	..	1
Abdominal tuberculosis	18	9	3	..	..	..	..	3	1	..	..	1	1	..	..	1	2	..	..	..	..	..	..	..	1
Potts' disease	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
White swelling	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of other organs.....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
General tuberculosis	5	4	..	..	..	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	..	..	..	1
Syphilis	11	6	1	..	..	..	..	1	..	..	1	..	1	1	1	..	..	..	..	..	1	..	..	..	1
Gonorrhœa (adults)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancers, etc., of the mouth.....	8	4	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	1	..	..
Cancer of stomach, liver	62	27	..	..	..	..	..	..	..	..	..	..	..	1	2	5	2	2	4	4	3	2	1	1	1
Cancer of intestines, rectum.....	17	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..
Cancer of female genital organs....	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the breast.....	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the skin.....	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..
Cancer of other organs and un- specified	13	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	..	..	..	..
Other tumors (except of female genital organs)	3	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Acute articular rheumatism.....	16	6	..	..	..	..	..	..	2	..	..	2	..	..	2	1	..	..	1	..	..	..	..	..	..
Chronic rheumatism and gout.....	14	9	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	1	..	2	2	..	1	..
Scurvy	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diabetes	34	19	..	..	..	..	..	..	..	1	3	..	..	1	2	4	2	3	2	1	..	..	..	..	1
Exophthalmic goitre	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leukæmia	6	3	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	1	..	..	..	..	..	..
Anæmia, chlorosis	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholism, acute and chronic.....	34	25	..	..	..	..	..	..	..	..	4	2	9	3	3	3	..	1	..	..	..	..	..	..	..
Lead poisoning	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..
Diseases of Nervous System and Organs of Sense.																										
Encephalitis	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Simple meningitis	53	27	14	5	..	..	..	19	4	2	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..
Cerebro-spinal meningitis	22	9	4	1	..	..	..	5	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Locomotor ataxia	11	9	..	..	..	..	..	..	..	..	..	..	..	1	2	..	4	..	2	..	..	..	..	..	..
Other diseases of spinal cord.....	12	5	..	1	..	..	..	1	1	..	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..
Apoplexy, congestion of brain.....	172	80	..	..	..	..	..	..	..	1	..	1	2	6	6	4	12	11	10	14	6	5	2	2	..
Softening of brain.....	6	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	..	..
Paralysis unspecified	15	7	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	2	1	1	..	..	..	..
General paresis	6	4	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	1	..	..	..	..	..	..
Other forms of insanity.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epilepsy	8	5	..	..	..	..	..	..	..	1	..	2	..	1	1	..	..	..	..	..	..	..	..	..	..
Convulsions (not puerperal).....	1	1	..	..	..	..																

Cause of Death.	Total, Both Sexes.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Congestion of lungs, pulmonary apoplexy	15	7	1	..	..	..	..	1	1	..	..	..	..	..	1	..	..	..	1	..	1	..	1	1	..	..
Gangrene of lung.....	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..
Asthma	9	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	..	1	..	..	1
Pulmonary emphysema	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Other diseases of respiratory system (phthisis excepted)	4	2	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Diseases of Digestive System.																										
Diseases of mouth and adnexa.....	2	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of pharynx.....	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Ulcer of stomach.....	9	3	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	1	..	..	..	..	..
Other diseases of stomach (cancer excepted)	18	6	1	2	..	..	..	3	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..
Diarrhoea and enteritis (under two years)	209	105	97	8	..	..	..	105	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chronic diarrhoea	6	3	2	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea and enteritis (two years and over)	32	16	..	..	4	1	..	5	..	1	..	..	..	..	..	..	..	1	..	2	2	3	1	1	..	..
Hernia, intestinal obstruction	28	12	3	..	..	..	..	3	..	..	1	..	..	1	..	..	1	1	..	1	3	1	..	..	..	2
Other diseases of intestines.....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Hydatid tumor of liver.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cirrhosis of liver.....	32	24	..	..	..	..	..	1	..	..	..	..	..	1	1	2	4	4	3	3	4	1	..	..	..	..
Biliary calculi	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Other diseases of liver.....	8	3	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Simple peritonitis (non-puerperal)	11	5	..	..	..	..	..	..	..	..	1	..	2	1	..	..	1	..	..	..	..	..	..	..	..	..
Appendicitis and iliac abscess.....	9	8	..	..	..	..	..	2	2	..	..	..	..	1	1	1	1	1	..	..	..	..	..	..	..	..
Diseases of Genito-urinary System.																										
Acute nephritis	40	19	3	..	..	..	1	4	1	..	2	4	..	1	..	2	1	1	..	..	1	..	1	1	..	..
Bright's disease	281	148	..	..	..	..	..	1	..	3	5	3	4	6	9	15	15	18	18	14	19	11	4	3	9	..
Other diseases of kidneys and adnexa	4	3	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Diseases of bladder.....	4	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	1	..
Diseases of urethra, urinary abscess, etc.	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Diseases of the prostate.....	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
Metritis	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of uterus.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ovarian cysts and tumors.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of female genital organs	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Diseases.																										
Accidents of pregnancy	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal hæmorrhage	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal septicæmia	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal albuminuria and convulsions	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of parturition, sudden death	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of skin and Cellular Tissue.																										
Gangrene	5	5	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	1	1	..	..	..
Carbuncle	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Phlegmon, acute abscess.....	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of skin and adnexa..	3	2	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Diseases of Locomotory System.																										
Diseases of bones (non-tuberculous)	8	3	1	1	..	..	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Malformations.																										
Congenital malformations	23	14	13	1	..	..	..	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Infancy.																										
Congenital debility, icterus and sclerema	166	82	82	..	..	..	..	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases peculiar to infancy..	6	2	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Old Age.																										
Senile debility	73	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	8	6	10	3	2	..
External Causes.																										
Suicide by poison.....	27	19	..	..	..	..	..	..	..	..	..	1	3	4	2	4	2	..	2	1	..	..	..	..	..	3
Suicide by asphyxia	10	8	..	..	..	..	..	..	..	..	..	1	3	..	1	1	1	..	..	..	1	..	..	..	..	..
Suicide by hanging or strangulation	5	5	..	..	..	..	..	..	..	..	..	1	1	1	1	..	..	..	1	..	..	..	..	..	..	..
Suicide by firearms.....	11	11	..	..	..	..	..	..	..	..	..	3	1	1	1	..	..	2	1	1	..	..	1	..	..	..
Suicide by cutting instruments.....	3	3	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	1
Suicide by precipitation from height.	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Suicide by other methods.....	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fractures	40	30	..	..	..	..	1	1	..	1	..	2	4	4	5	3	2	2	2	1	3	..	..	..	..	..
Other accidental injuries	77	69	..	2	1	..	1	4	4	8	5	7	9	3	6	3	2	6	4	5	2	1	..	..	..	1
Burn, by fire, scald.....	17	7	1	3	1	..	..	5	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..
Sunstroke	10	3	..	1	..	..	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Electrical shock	3	3	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Accidental drowning	34	34	..	..	..	2	1	3	3	5	5	2	..	2	4	4	2	1	..	1	1	..	..	..	1	1
Inhalation of noxious gas, not suicidal	14	13	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Other acute poisonings.....	3	1	..	..	..	..	..	..	..	..	..	1	1	1	2	..	4	2	1	..	1	..	..	..	..	..
Other external violence.....	19	10	5	..	..	..	..	5	..	1	1	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..
a. Homicide, by blows.....	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
b. Homicide, by sharp instruments	4	3	..	..	..	..	..	..	..	1	..	1	..	..										

Cause of Death.	Total, Both Sexes.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Diseases of nervous system and organs of sense.....	328	163	26	8	..	..	..	34	7	3	..	2	2	3	6	11	10	7	18	13	15	16	9	5	2	2
Diseases of circulatory system....	277	126	1	..	..	..	1	2	1	4	2	2	3	3	4	4	13	9	12	19	14	18	10	5	1	3
Diseases of respiratory system.....	613	314	69	27	14	7	3	120	9	2	5	10	9	11	23	13	12	14	20	16	11	16	9	10	4	12
Diseases of digestive system.....	366	186	101	11	5	1	..	118	3	3	1	2	..	4	5	4	7	9	5	7	11	5	1	1	..	2
Diseases of genito-urinary system..	341	177	3	..	..	..	1	4	3	..	5	9	3	6	6	12	16	16	19	18	17	21	13	5	4	11
Puerperal diseases	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of skin and cellular tissue.	10	8	2	..	..	..	..	2	..	..	..	..	..	..	1	..	1	1	..	..	1	1	1	..	..	1
Diseases of locomotory system.....	8	3	1	1	..	..	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Malformations	23	14	13	1	..	..	..	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of infancy	184	90	90	..	..	..	..	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
Diseases of old age.....	73	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	8	6	10	3	2	..
External causes	276	218	6	6	2	2	3	19	8	15	12	11	22	20	25	21	13	16	10	12	8	3	1	1	1	6
a. Suicide	59	48	..	..	..	..	..	..	..	..	..	..	6	9	7	5	7	3	2	4	2	2	..	1	..	4
b. Homicide	9	7	2	..	..	..	..	2	..	1	1	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..
c. Accident	208	163	4	6	2	2	3	17	8	14	11	11	15	11	17	15	6	13	8	8	6	1	1	..	1	2
Causes ill-defined	50	29	26	2	..	..	..	28	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
Total, males	2,625	376	103	60	45	33	617	83	42	77	117	170	208	242	184	173	147	126	120	94	105	59	42	19	98	..
Total, females	2,138	365	120	52	28	31	596	74	47	53	84	145	140	133	103	85	89	96	115	113	99	78	51	37	100	..
Total, both sexes.....	4,763	741	223	112	73	64	1,213	157	89	130	201	315	348	375	287	258	236	222	235	207	204	137	93	56	198	..

Deaths of Females by Age, and Causes of Death, for the Year Ending December 31, 1903.

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
General Diseases.																									
Typhoid fever	15	..	..	2	2	..	4	2	1	1	..	2	..	2	1	..	..	1	..	..	..	1	..	..	..
Malarial fever.....	4	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..
Smallpox	2	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Measles	21	9	7	1	1	1	19	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever.....	83	3	17	11	8	11	50	21	9	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Whooping cough.....	14	8	4	..	1	1	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and croup.....	78	8	14	12	9	10	53	20	4	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Influenza	11	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	2	..	1	3	1	2	..	..	..
Cholera nostras.....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..
Dysentery	8	3	..	1	1	..	5	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1
Erysipelas	7	3	2	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Other epidemic diseases.....	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pyæmia, septicæmia.....	6	1	..	..	..	..	1	..	..	..	2	..	..	..	1	..	..	..	2	..	..	..	..	..	..
Hydrophobia.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Tuberculosis of lungs.....	447	..	..	..	..	..	2	11	40	60	93	83	54	40	21	16	10	7	5	3	2	..	..	..	23
Tubercular meningitis.....	25	5	8	4	3	..	20	1	1	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	4
Abdominal tuberculosis.....	9	3	..	..	..	..	3	1	..	..	..	1	1	1	1	..	..	1	..	..	..	..	..	..	2
Potts' disease.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Tuberculosis of other organs.....	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
General tuberculosis.....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	5	3	1	..	..	..	4	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Gonorrhœa (adults).....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Cancers, etc., of the mouth.....	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	..	..	..	..	..
Cancer of stomach, liver.....	35	..	..	..	..	..	..	..	..	..	1	..	3	1	1	5	5	4	8	5	2	..	..	..	1
Cancer of intestines, rectum.....	14	..	..	..	..	..	..	..	..	..	..	..	..	1	1	3	1	3	2	2	1	..	..	..	1
Cancer of female genital organs.....	38	..	..	..	..	..	..	..	..	..	1	..	1	6	8	1	6	5	3	2	1	3	1	4	..
Cancer of the breast.....	18	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	4	5	2	2	2	1	..	..	2
Cancer of other organs and unspecified..	8	..	..	..	..	..	..	..	..	..	..	..	1	2	..	2	1	1	..	..	1	..	..	..	1
Other tumors (except of female genital organs)	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
Acute articular rheumatism.....	10	..	..	..	..	..	2	1	..	..	1	..	..	..	1	1	..	1	..	..	1	2	..	..	..
Chronic rheumatism and gout.....	5	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1	1	..	..	..	..
Scurvy	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Diabetes	15	..	..	..	..	..	..	1	..	..	..	..	2	..	..	..	4	1	7	..	..	..	..	..	..
Exophthalmic goitre	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Leukæmia	3	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	..	..	..	..
Anæmia, chlorosis.....	3	..	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Alcoholism, acute and chronic.....	9	..	..	..	..	..	..	..	..	..	1	2	4	1	..	..	..	1	..	..	..	..	..	..	..
Diseases of Nervous System and Organs of Sense.																									
Simple meningitis	26	10	3	1	..	1	15	2	..	..	1	1	1	1	2	1	..	..	1	1	..	..	..	..	..
Cerebro-spinal meningitis	13	6	2	1	..	..	9	..	..	..	..	..	1	..	2	1	..	..	..	..	..	..	..	..	..
Locomotor ataxia	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Other diseases of spinal cord.....	7	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1	..	1	1	1	..	..	..	..
Apoplexy, congestion of brain.....	92	1	..	..	..	1	..	..	..	1	..	3	3	2	6	9	12	13	15	12	5	7	3	5	..
Softening of brain.....	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..
Paralysis unspecified	8	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	..	2	2	1	..	1	..
General paresis	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..
Other forms of insanity.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
Epilepsy	3	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..
Convulsions of infants.....	13	13	..	..	..	..	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other nervous diseases.....	7	1	1	..	..	..	2	..	2	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Diseases of the ears.....	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Diseases of Circulatory System.																									
Pericarditis	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute endocarditis	14	..	..	..	..	..	..	..	..	1	1	2	3	1	1	1	1	1	..	..	1	1	..	4	..
Organic heart diseases.....	123	..	..	..	..	..	3	4	2	4	1	8	8	6	4	8	13	14	12	15	11	6	4	3	..
Diseases of arteries, aneurism, etc.....	4	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	2	..	..	..
Embolism, thrombosis	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	1	1	..	1	..	..
Diseases of veins (hemorrhoids, varices, phlebitis, etc.).....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Hæmorrhage	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Respiratory System.																									
Diseases of the larynx.....	2	1	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Acute bronchitis	25	11	4	..	..	..	15	..	..	..	..	1	..	..	..	1	..	1	1	1	3	2	..	..	..
Chronic bronchitis	16	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	..	3	..	2	3	4	..	..	..
Broncho-pneumonia	62	23	12	4	..	..	39	..	..	..	..	..	..	1	1	2	3	4	2	2	3	3	2	9	..
Pneumonia	171	25	14	8	1	3	51	5	5	2	4	2	10	10	7	8	10	10	8	12	12	8	4	3	8
Pleurisy	8	1	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	1	2	1	1	..	..	1	..
Congestion of lungs, pulmonary apoplexy..	8	2	..	..	..	..	2	..	..	1	..	1	..	..	..	1	..	..	1	..	2	..	..	1	..
Gangrene of lung.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Asthma	4	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	1	..	..	..	..	..
Other diseases of respiratory system (phthisis excepted)	2	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Diseases of Digestive System.																									
Diseases of mouth and adnexa.....	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Diseases of pharynx.....	2	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ulcer of stomach.....	6	..	..	..	..	..	..	..	..	..	3	1	..	1	..	..	1	..	..	..	..	..	..	..	..
Other diseases of stomach (cancer ex- cepted)	12	3	..	1	..	1	5	..	..	..	2	..	1	2	..	..	..	..	..	..	1	1	..	..	..
Diarrhœa and enteritis (under two years)..	104	82	22	..	..	..	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chronic diarrhœa	3	3	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa and enteritis (two years and over)	16	..	..	4	..	..	4	..	1	..	..	..	1	1	1	..	1	1	1	1	2	2	..	..	..
Hernia, intestinal obstruction.....	16	6	1	..	..	..	7	..	..	..	..	..	..	2	1	1	..	..	3	1	..	1	..	..	..
Hydatid tumor of liver.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Cirrhosis of liver.....	8	..	..	..	..	..	..	..	..	..	..	1	..	2	..	1	2	1	..	1	..	..	..	1	..
Biliary calculi	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
Other diseases of liver.....	5	1	..	..	..	..	1	..	..	..	..	..	..	..	1	1	..	1	1	..	..	..	..	..	..
Simple peritonitis (non-puerperal).....	6	..	..	..	1	..	1	1	1	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..
Appendicitis and iliac abscess.....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Genito-urinary System.																									
Acute nephritis	21	1	1	1	..	..	3	..	1	1	..	4	2	..	2	3	1	..	1	1	..	..	2	1	..
Bright's disease	133	2	..	..	..	..	2	2	1	..	3	2	7	11	8	10	14	10	18	17	14	8	2	4	7
Other diseases of kidneys and adnexa....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Diseases of bladder.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Metritis	3	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..
Other diseases of uterus.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ovarian cysts and tumors.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Other diseases of female genital organs...	2	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Puerperal Diseases.																									
Accidents of pregnancy	12	..	..	..	..	..	..	..	..	1	4	3	3	1	..	..	..	..	..	..	..	..	..	..	..
Puerperal hæmorrhage	2	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	4	..	..	..	..	..	..	..	1	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Puerperal septicæmia	8	..	..	..	..	..	..	..	..	4	1	2	..	1	..	..	..	..	..	..	..	..	..	1	..
Puerperal albuminuria and convulsions....	9	..	..	..	..	..	..	..	..	3	..	2	3	..	1	..	..	..	..	..	..	..	..	1	..
Other accidents of parturition, sudden death	4	..	..	..	..	..	..	..	..	1	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Skin and Cellular Tissue.																									
Carbuncle	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of skin and adnexa.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Diseases of Locomotory System.																									
Diseases of bones (non-tuberculous).....	5	3	1	1	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Malformations.																									
Congenital malformations	9	9	..	..	..	..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Infancy.																									
Congenital debility, icterus and sclerema..	84	84	..	..	..	..	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases peculiar to infancy.....	4	4	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Old Age.																									
Senile debility	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	8	6	10	14	3	..
External Causes.																									
Suicide by poison.....	8	..	..	..	..	..	..	..	..	2	1	2	..	2	1	..	..	..	..	..	..	..	..	..	..
Suicide by asphyxia	2	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Suicide by other methods.....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Fractures	10	..	..	..	..	..	3	..	..	..	..	..	3	..	..	1	..	1	1	1	..	..	..	..	..
Other accidental injuries	8	..	1	..	..	..	1	2	..	..													

* Deaths of Males by Age, and Causes of Death, for the Year Ending December 31, 1903.

Cause of Death.	Total, Both All		Total																								Col.
	Sexes.	Ages.	0	1	2	3	4	Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85		
General Diseases.																											
Typhoid fever	267	156	1	2	2	2	1	8	1	8	19	23	21	21	20	14	4	8	5	2	1	..	1	..	..	..
Malarial fever	36	13	..	1	..	..	..	1	1	..	..	1	1	1	1	..	..	..	2	2	2	..	1	..	..	..
Small pox	2	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Measles	167	90	25	37	14	6	4	86	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1
Scarlet fever	244	135	4	21	23	14	12	74	46	9	2	2	1	..	1	..	..	..	..	..	..	..	..	..	..	1
Whooping cough	118	55	32	10	6	5	..	53	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
Diphtheria and croup	830	427	21	91	79	67	48	306	98	13	3	1	2	1	1	..	..	..	..	1	1	..	..	..	..	1
Influenza	144	61	10	2	..	2	..	14	..	3	3	3	4	1	2	1	5	4	4	2	4	4	5	2	..	1	
Dysentery	85	40	7	6	..	1	1	15	5	..	2	1	..	1	..	..	..	2	2	3	..	5	2	2	..	..
Erysipelas	49	32	4	1	..	..	..	5	..	..	1	1	..	3	2	7	3	2	1	4	1	1	1	..	..	1
Other epidemic diseases	9	5	4	..	..	..	..	4	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Pyæmia, septicæmia	7	4	1	..	..	..	..	1	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Malignant pustule	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Tuberculosis of larynx.....	28	14	1	..	..	..	..	1	..	..	..	2	1	2	1	2	1	1	..	1	1	1	..	..	..	..
Tuberculosis of lungs.....	2,396	1,406	7	3	3	2	..	15	6	7	67	160	240	216	230	166	109	77	52	30	17	10	3	..	1	29	
Tubercular meningitis	223	123	32	29	12	8	4	85	17	4	3	2	5	..	1	2	..	1	2	..	..	..	1	..	..	2
Abdominal tuberculosis	74	40	12	3	..	3	3	21	5	1	1	3	1	1	1	2	4	..	..	..	..	..	..	..	..	2
Potts' disease	16	8	..	..	..	..	..	..	4	1	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2
Cold abscess	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
White swelling	10	7	..	..	..	..	..	..	..	..	3	..	1	..	..	1	..	..	..	1	1	..	..	..	..	..
Tuberculosis of other organs.....	19	9	..	2	1	..	..	3	..	..	..	..	1	1	..	2	2	..	..	..	..	..	..	..	..	..
General tuberculosis	34	25	2	..	1	..	..	3	3	1	1	5	1	1	1	3	2	1	2	1	..	..	..	..	..	2
Scrofula	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	47	29	14	1	..	..	..	15	..	..	..	1	1	3	3	2	1	1	1	..	..	1	..	..	..	3
Gonorrhœa (adults)	2	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Cancers, etc., of the mouth.....	43	34	..	..	..	..	..	1	..	1	..	..	..	1	1	8	5	3	5	3	2	3	1	..	..	..
Cancer of stomach, liver.....	310	147	..	..	..	..	..	..	..	..	..	2	2	6	7	10	20	18	17	27	18	12	5	3	..	2
Cancer of intestines, rectum.....	91	35	..	..	..	..	..	..	..	..	2	1	..	..	2	1	3	3	7	5	5	2	2	2	..	1
Cancer of female genital organs...	121	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the breast.....	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the skin.....	40	23	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	4	5	3	3	2	..	2	1	..
Cancer of other organs and unspecified	96	54	..	..	1	..	..	1	..	..	..	..	3	2	3	5	10	2	4	5	8	8	1	2	..	..
Other tumors (except of female genital organs)	19	7	..	1	..	..	..	1	..	..	1	..	..	..	1	1	1	..	..	1	..	1	..	..	..	..
Acute articular rheumatism.....	164	78	..	..	..	..	..	..	10	11	4	8	2	6	6	3	3	5	5	4	3	1	4	1	2	1
Chronic rheumatism and gout.....	19	10	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	..	2	2	3	..	..	..	..	..
Scurvy	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diabetes	160	75	..	..	1	..	..	1	..	..	..	2	5	3	3	6	3	13	12	9	10	1	5	2	..	2
Exophthalmic goitre	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Addison's disease	7	4	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	..	..	..
Leukæmia	12	7	..	..	..	..	..	..	1	..	..	..	..	1	1	1	..	..	1	1	..	1	..	..	..	..
Anæmia, chlorosis	26	10	2	2	..	..	..	4	..	..	1	1	1	..	..	..	1	1	1	..	..	..	..	..	..	..
Other general diseases	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Alcoholism, acute and chronic.....	109	89	..	..	..	..	..	..	..	..	..	2	9	15	17	15	13	12	1	1	1	2	1	..	..	..
Lead poisoning	7	7	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	..	..	1	1	..	..	..	..	..
Other chronic poisonings of occupation	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Diseases of Nervous System and Organs of Sense.																											
Encephalitis	8	4	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..
Simple meningitis	197	110	43	18	10	5	3	79	8	5	4	4	1	4	1	..	..	1	1	1	..	1	..	..	..	4
Cerebro-spinal meningitis	57	31	9	4	3	4	1	21	2	2	..	4	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Locomotor ataxia	35	25	..	..	..	..	..	..	..	..	..	..	1	..	1	3	3	1	3	5	4	4	..	..	..	..
Other diseases of spinal cord.....	48	25	..	..	..	..	1	1	2	..	..	1	1	4	..	..	3	1	3	3	4	1	..	1	..	..
Apoplexy, congestion of brain.....	975	480	2	..	1	..	..	3	1	..	..	5	2	6	16	31	50	36	59	68	70	45	54	23	11	9
Softening of brain.....	27	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	2	1	3	4	1	1	..

Cause of Death.	Total, Both All			Total																								Col.
	Sexes.	Ages.	0	1	2	3	4	Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85			
Paralysis unspecified	58	21	1	..	..	..	..	1	..	..	..	1	..	..	..	..	1	4	1	3	..	3	4	3	..	..
General paresis	36	26	..	..	..	..	..	..	..	..	..	..	1	1	3	3	3	3	3	1	3	1	2	2	..	..
Other forms of insanity.....	31	17	..	..	..	..	..	..	..	..	3	1	1	1	..	..	2	..	5	1	2	1	..	..	..	..
Epilepsy	46	26	..	..	..	..	..	1	2	5	4	4	..	3	3	2	..	..	..	2	..	..	..	..	..	2
Convulsions (not puerperal).....	2	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions of infants.....	188	110	95	12	2	..	1	110	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Tetanus, trismus	17	12	7	..	..	1	..	8	..	1	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Chorea	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other nervous diseases.....	53	23	5	2	..	..	..	7	1	2	2	2	1	..	..	2	4	1	..	..	1	..	..	..	..	..
Diseases of the ears.....	26	14	2	3	..	1	..	6	1	2	2	1	..	..	..	1	..	..	..	..	..	..	..	1	..	..
Diseases of Circulatory System.																												
Pericarditis	17	10	..	..	..	..	2	2	1	..	1	1	..	1	..	..	..	1	..	..	2	1	..	..	..	..
Acute endocarditis	161	77	2	..	2	..	1	5	1	4	3	5	1	5	5	15	10	5	7	3	2	3	1	1	1	1		
Organic heart diseases.....	1,515	749	8	4	1	4	4	21	9	13	21	29	28	35	42	55	48	71	66	76	69	75	47	31	13	17		
Angina pectoris	93	35	..	..	..	..	..	..	..	..	..	..	..	3	3	3	2	4	4	6	5	2	1	1	1	..
Diseases of arteries, aneurism, etc.	39	22	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	2	4	4	..	2	4	1	1	1
Embolism, thrombosis	42	17	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1	2	2	3	1	2	1	2	..	..
Diseases of veins (haemorrhoids, varices, phlebitis, etc.).....	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Diseases of lymphatics (lymphangitis, etc.)	3	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Haemorrhage	12	7	4	..	..	..	..	4	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Respiratory System.																												
Diseases of nasal fossae.....	2	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the larynx.....	32	19	3	3	4	..	..	10	3	..	..	..	2	1	..	1	..	..	1	..	..	1	..	..	..	2
Diseases of thyroid gland.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute bronchitis	653	324	213	31	8	3	3	258	2	1	..	..	..	1	2	2	3	10	3	6	8	8	12	3	5	16
Chronic bronchitis	143	67	1	2	..	..	..	3	..	..	1	1	1	4	..	4	4	3	7	10	4	8	7	4	6	1
Broncho-pneumonia	806	393	174	83	33	11	3	304	4	2	2	1	2	8	7	6	6	4	5	13	6	6	8	6	3	10		
Pneumonia	2,104	1,117	172	95	38	26	12	343	16	10	21	46	63	82	87	71	70	74	59	40	55	31	30	14	5	28		
Pleurisy	78	43	2	2	3	..	..	7	2	..	1	3	4	4	6	3	..	2	4	1	2	1	..	1	2	1
Congestion of lungs, pulmonary apoplexy	29	12	5	..	..	..	..	5	..	..	..	..	..	1	1	1	..	1	..	..	..	2	1	..	..	..
Gangrene of lung.....	5	4	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	..	..	..	..	..	..	..	..
Asthma	99	57	..	..	..	..	..	..	..	..	..	..	1	3	2	4	8	4	6	5	7	3	9	3	2	2
Pulmonary emphysema	20	12	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	3	1	..	2	3	..	..	..	..
Other diseases of respiratory system (phthisis excepted)	49	32	..	..	..	..	..	..	..	1	4	..	4	6	4	4	4	3	2	2	1	1	..	..	..	..
Diseases of Digestive System.																												
Diseases of mouth and adnexa.....	5	2	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Diseases of pharynx.....	11	5	..	..	1	..	1	2	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	..	..	..
Diseases of oesophagus	4	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Ulcer of stomach.....	45	30	1	..	..	..	1	..	..	..	4	3	1	1	4	1	4	1	4	4	..	1	1	..	..	..
Other diseases of stomach (cancer excepted)	185	92	36	8	..	2	1	47	1	1	1	1	1	..	2	3	2	5	7	5	6	5	..	4	1	3		
Diarrhoea and enteritis (under two years)	1,471	768	650	118	..	..	..	768	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
Chronic diarrhoea	8	3	2	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea and enteritis (two years and over)	269	117	..	..	30	7	6	43	15	5	1	1	..	3	3	5	3	4	2	9	4	10	3	5	1	2
Hernia, intestinal obstruction.....	151	65	13	..	1	..	..	14	1	2	4	4	3	2	3	4	3	7	3	5	7	..	2	1	..	1
Other diseases of intestines.....	20	10	4	..	1	..	..	5	..	..	..	..	..	..	..	..	..	2	..	1	1	1	..	..	..	..
Cirrhosis of liver.....	263	174	..	..	..	..	..	..	1	..	1	4	9	13	20	26	23	23	23	18	6	6	..	1	3	3
Biliary calculi	22	11	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	2	4	..	1	..	..	..
Other diseases of liver.....	74	31	2	..	..	..	2	..	..	1	..	..	2	1	6	2	1	7	3	5	1	..	..	..	..	..
Diseases of spleen.....	2	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Simple peritonitis (non-puerperal) ..	10	4	1	..	1	..	2	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of digestive system (except tuberculosis and cancer) ..	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Appendicitis and iliac abscess.....	176	111	..	..	..	..	1	1	13	10	16	16	14	4	10	9	6	3	5	1	..	2	1	..	..	1
Diseases of Genito-urinary System.																												
Acute nephritis	240	122	3	2	3	1	1	10	11	5	7	4	12	10	10	10	14	7	5	5	5	4	2	1	..	2		
Bright's disease	1,883	1,007	3	2	..																							

Deaths of Females by Age, and Cause of Death, for the Year Ending December 31, 1903.

Cause of Death.	All Ages.	Total																											
		0	1	2	3	4	Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.				
General Diseases.																													
Typhoid fever	111	..	1	1	..	..	2	7	9	18	21	13	11	9	5	5	3	3	1	..	..	3	1	..	..		
Malarial fever	23	3	2	2	..	..	7	1	2	..	1	1	1	2	1	2	..	1	1	..	2	..	1	..	..		
Measles	77	15	31	13	2	3	64	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever	109	4	10	13	14	13	54	37	12	..	3	1	..	1	..	..	1	..	..	..	..	..	..	..	1
Whooping cough	63	30	21	5	4	2	62	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Diphtheria and croup.....	403	15	73	76	59	40	263	120	11	3	1	1	1	2	..	..	1	..	..	..	..	..	..	..	5
Influenza	83	4	1	1	..	1	7	1	2	..	2	5	4	7	7	4	7	4	8	7	9	3	2	4	3				
Dysentery	45	7	1	2	1	1	12	1	..	1	..	2	1	1	1	..	7	4	4	6	1	2	2	..	..		
Erysipelas	17	6	..	..	..	..	6	..	..	1	..	..	..	..	1	3	2	..	1	1	2	..	..	..	1
Other epidemic diseases.....	4	1	1	..	..	1	3	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Pyæmia, septicæmia	3	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..

Cause of Death.	All Ages.	Total																							Col.
		0	1	2	3	4	Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	
Tuberculosis of larynx.....	14	..	..	..	..	..	..	..	..	2	2	1	1	5	1	1	1	..	..	..	..	..	..	1	
Tuberculosis of lungs.....	990	6	7	5	2	3	23	8	23	85	156	201	168	114	55	56	37	21	18	11	7	3	4	..	39
Tubercular meningitis	100	24	24	20	7	3	78	8	10	..	..	1	..	1	1	..	..	..	1	..	..	..	..	..	6
Abdominal tuberculosis	34	9	2	1	1	1	14	2	2	1	4	3	2	2	2	..	..	..	1	..	1	..	..	..	..
Potts' disease	8	..	..	1	..	1	2	..	..	2	..	1	1	2	..	..	..	..	1	..	1	..	..	..	..
White swelling	3	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Tuberculosis of other organs.....	10	1	..	..	..	..	1	..	..	..	1	..	2	1	..	1	..	..	1	1	1	1	..	..	..
General tuberculosis	9	1	..	1	..	..	2	1	..	..	..	2	1	2	1	..	..	..	..	..	..	..	..	..	1
Syphilis	18	14	..	..	..	..	14	..	..	1	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..
Cancers, etc., of the mouth.....	9	..	..	..	..	..	..	..	..	..	..	..	..	4	..	1	1	..	..	1	..	1	1	..	..
Cancer of stomach, liver.....	163	..	..	..	..	..	1	..	..	..	..	1	3	6	12	12	26	24	32	15	14	11	6	..	3
Cancer of intestines, rectum.....	56	..	..	..	..	..	..	..	..	..	..	..	1	2	4	5	9	9	9	6	4	1	4	2	1
Cancer of female genital organs.....	121	..	..	..	..	..	..	..	..	..	2	3	12	12	21	17	19	16	9	6	..	3	1	2	..
Cancer of the breast.....	77	..	..	..	..	..	..	..	..	..	1	1	6	6	11	9	19	9	3	6	4	1	1	2	..
Cancer of the skin.....	17	..	..	..	..	..	..	..	..	..	..	..	1	1	2	2	3	3	2	..	2	..	1	..	..
Cancer of other organs and unspecified....	42	..	..	..	..	..	..	1	..	..	1	3	2	8	2	5	4	4	4	5	5	..	..	..	..
Other tumors (except of female genital organs)	12	..	..	..	..	..	1	..	..	..	..	..	1	1	2	2	..	..	2	2	1	..	..	..	..
Acute articular rheumatism.....	86	2	..	2	3	2	9	7	5	5	3	6	5	4	5	4	8	10	7	2	2	3	1	..	4
Chronic rheumatism and gout.....	9	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	..	4	..	2	..	..	..	..
Scurvy	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diabetes	85	..	..	..	..	..	..	..	2	1	3	2	4	4	8	10	15	11	7	11	5	1	1	2	..
Exophthalmic goitre	4	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	1	..	..	..	..	..	..	..	1
Addison's disease	3	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Leukæmia	5	..	..	..	..	..	..	..	..	..	1	..	1	1	1	..	1	..	..	..	..	..	..	..	..
Anæmia, chlorosis	16	3	..	..	..	1	4	..	..	..	2	2	2	..	2	1	..	2	..	1	..	..	..	..	1
Alcoholism, acute and chronic.....	20	..	..	..	..	..	..	..	..	..	4	4	4	5	..	2	1	..	..	..	..	..	..	..	..
Diseases of Nervous System and Organs of Sense.																									
Encephalitis	4	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..
Simple meningitis	87	30	24	10	2	3	69	4	4	..	2	1	1	1	..	2	..	..	1	1	..	1	..	..	..
Cerebro-spinal meningitis	26	11	5	2	2	2	22	2	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Locomotor ataxia	10	..	..	..	..	..	..	..	..	..	..	..	1	2	1	2	1	1	1	..	1	..	..	..	..
Other diseases of spinal cord.....	23	1	1	..	..	2	..	..	2	1	1	1	2	2	2	..	..	4	3	2	..	1	..	..	..
Apoplexy, congestion of brain.....	495	1	1	..	..	2	2	..	3	3	2	13	14	18	26	53	48	77	63	67	61	25	18	10	..
Softening of brain.....	12	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	3	2	2	1	1	..	..
Paralysis unspecified	37	..	..	..	..	..	1	1	..	1	1	..	..	..	3	1	2	4	9	4	3	2	5	1	..
General paresis	10	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	2	1	2	1	..	1	..	..
Other forms of insanity.....	14	..	..	..	..	..	..	..	..	..	3	..	3	..	..	2	1	1	..	2	1	1	..	1	..
Epilepsy	20	2	..	..	..	1	3	..	2	4	..	..	3	2	..	2	2	..	..	1	1	..	..	4	..
Convulsions (not puerperal).....	2	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions of infants.....	77	56	16	4	..	1	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tetanus, trismus	5	3	..	..	..	3	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Chorea	3	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..
Other nervous diseases.....	30	4	4	1	..	9	..	..	1	2	2	2	4	2	3	..	2	1	1	..	1	..	..	..	..
Diseases of the ears.....	12	2	..	1	1	..	4	1	4	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Diseases of Circulatory System.																									
Pericarditis	7	..	..	..	..	..	2	..	..	..	1	1	..	1	..	1	..	..	..	..	1	..	..	1	..
Acute endocarditis	84	4	..	1	1	1	7	3	3	5	3	6	3	4	4	7	7	8	4	7	6	4	2	1	4
Organic heart diseases.....	766	15	4	..	3	1	23	9	22	11	25	31	32	53	39	37	61	53	85	90	80	59	34	22	16
Angina pectoris	58	..	..	..	..	..	1	..	..	1	4	2	4	3	3	2	7	6	5	13	6	1	..	2	..
Diseases of arteries, aneurism, etc.....	17	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	4	3	2	1	2	1	..	..
Embolism, thrombosis	25	..	..	..	..	..	..	..	2	1	2	..	2	..	3	5	2	3	2	..	1	2	1	..	1
Diseases of veins (hemorrhoids, varices, phlebitis, etc.)	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	..	..
Diseases of lymphatics (ly																									

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Cirrhosis of liver.....	89	..	..	..	..	..	..	..	..	..	..	3	6	8	11	6	13	10	8	11	6	5	1	1	..
Biliary calculi	11	1	..	..	..	..	1	..	..	..	1	..	2	..	..	3	1	..	..	2	1	..	..	..	1
Other diseases of liver.....	43	1	..	..	..	..	1	1	..	..	1	1	2	5	..	2	5	4	8	7	3	3	..	..	..
Diseases of spleen.....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Simple peritonitis (non-puerperal).....	6	..	..	..	..	..	..	..	2	..	1	1	1	1	..	..	..	..	1	..	..	..	..	..	..
Other diseases of digestive system (except tuberculosis and cancer).....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Appendicitis and iliac abscess.....	65	..	..	..	..	1	1	9	9	5	9	8	8	4	4	1	4	2	..	1	..	..	..	..	1
Diseases of Genito-urinary System.																									
Acute nephritis	118	4	..	2	1	2	9	6	5	12	6	9	12	14	6	5	9	6	9	3	3	2	2	..	1
Bright's disease	876	1	1	1	5	2	10	6	4	18	17	35	51	59	58	68	86	76	94	85	102	70	23	14	23
Other diseases of kidneys and adnexa....	12	..	..	..	..	..	..	..	..	2	1	1	..	..	1	1	1	1	1	1	1	..	1	..	..
Urinary calculus	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Diseases of bladder.....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..
Metritis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	21	..	..	..	..	..	..	..	..	..	1	1	4	8	3	2	1	..	1	..	..	..	..	..	2
Other diseases of uterus.....	8	..	..	..	..	..	..	..	..	..	..	..	4	..	2	1	1	..	..	..	..	..	..	..	..
Ovarian cysts and tumors.....	28	..	..	..	..	..	..	..	..	2	3	1	5	4	3	4	3	2	..	..	..	..	1	..	..
Other diseases of female genital organs..	36	..	..	..	..	..	..	..	..	1	5	9	8	4	6	2	..	..	1	..	..	..	..	..	4
Puerperal Diseases.																									
Accidents of pregnancy	37	..	..	..	..	..	..	..	2	7	13	8	5	2	..	..	..	..	..	..	..	..	..	..	1
Puerperal hemorrhage	14	..	..	..	..	..	..	..	1	5	3	4	1	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	31	..	..	..	..	..	..	..	..	4	6	11	5	5	..	..	..	..	..	..	..	..	..	..	1
Puerperal septicæmia	89	..	..	..	..	..	..	..	6	19	31	22	9	1	1	..	..	..	..	..	..	..	..	..	2
Puerperal albuminuria and convulsions...	49	..	..	..	..	..	..	..	4	6	13	16	8	2	..	..	..	..	..	..	..	..	..	..	..
Puerperal phlegmasia alba dolens.....	3	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of parturition, sudden death	5	..	..	..	..	..	..	..	..	2	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Skin and Cellular Tissue.																									
Gangrene	9	..	..	..	..	1	1	..	..	..	..	1	..	..	..	..	1	1	1	..	3	1	..	..	..
Carbuncle	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..
Phlegmon, acute abscess.....	10	4	..	..	..	4	1	..	..	..	1	1	..	1	..	1	..	..	..	..	1	..	..	..	..
Other diseases of skin and adnexa.....	5	4	..	..	..	4	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Diseases of Locomotor System.																									
Diseases of bones (non-tuberculous).....	11	5	..	2	..	..	7	..	1	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..
Arthritis, other diseases of joints (except tuberculosis and rheumatism).....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..
Malformations.																									
Congenital malformations	81	76	1	3	..	80	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Diseases of Infancy.																									
Congenital debility, icterus and sclerema..	363	363	..	..	..	363	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22
Other diseases peculiar to infancy.....	45	45	..	..	..	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Neglect	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Old Age.																									
Senile debility	209	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	6	7	30	31	61	71	4	..
External Causes.																									
Suicide by poison.....	54	..	..	..	..	..	..	..	4	10	17	6	3	3	4	3	..	1	2	..	1	..	..	..	1
Suicide by asphyxia.....	13	..	..	..	..	..	..	..	1	..	2	..	4	2	1	..	2	1	..	..	..	..	..	..	1
Suicide by hanging or strangulation.....	3	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	1
Suicide by drowning.....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Suicide by firearms.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Suicide by cutting instruments.....	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Suicide by precipitation from height.....	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..
Suicide by crushing	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Suicide by other methods.....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Fractures	3	1	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Other accidental injuries.....	82	1	1	3	7	5	17	9	1	1	3	1	3	6	1	3	5	9	5	4	7	4	2	1	..
Burn, by fire scald.....	71	4	3	3	5	9	24	11	1	3	..	1	6	4	5	6	4	1	2	1	..	1	1	..	3
Sunstroke	25	10	1	..	..	11	2	..	..	..	1	..	..	..	..	4	1	..	3	2	..	..	1	..	..
Freezing	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Accidental drowning	11	1	..	1	..	2	1	..	..	3	1	..	2	..	..	1	..	..	..	..	1	..	..	..	..
Inhalation of noxious gas, not suicidal....	23	..	..	1	..	1	..	..	1	3	..	..	1	1	2	2	3	1	3	..	3	2	..	..	..
Other acute poisoning.....	11	1	1	..	1	1	4	1	..	2	1	1	1	..	..	1	..	..	..	..	..	..	..	..	1
Other external violence.....	25	5	1	..	..	6	1	..	1	2	4	4	1	1	..	1	2	1	..	1	..	..	..	..	2
a. Homicide, by blows.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
b. Homicide, by sharp instruments.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
c. Homicide, by gunshot.....	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
d. Homicide, by other methods.....	2	2	..	..	..	2																			

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Diseases of infancy.....	409	409	..	..	..	..	409	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23
Diseases of old age.....	209	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	6	7	30	31	61	71	4
External causes	331	23	7	7	14	15	66	25	2	11	25	28	22	22	15	16	23	21	11	15	10	10	7	2	9
a. Suicide	79	..	..	..	..	..	..	..	..	5	12	19	7	7	7	5	4	5	2	3	..	1	2	..	3
b. Homicide	6	2	..	..	..	..	2	..	..	..	2	..	..	..	..	..	..	1	..	..	1	..	..	..	1
c. Accident	246	21	7	7	14	15	64	25	2	6	13	7	15	15	8	11	19	15	9	12	9	9	5	2	5
Causes ill-defined	216	174	28	6	3	1	212	..	..	..	..	..	1	..	..	..	..	3	..	..	..	..	..	..	8
Total, females	10,501	2,050	588	298	187	131	3,254	351	157	258	409	558	532	523	416	408	532	514	600	545	549	425	270	200	303

BOROUGH OF QUEENS.

Deaths of Males by Age, and Cause of Death, for the Year Ending December 31, 1903.

Cause of Death.	Total, Both Sexes.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
General Diseases.																										
Typhoid fever	22	12	..	..	..	..	..	1	..	1	1	1	..	1	3	2	..	1	..	1	..	..	..	..	..	..
Malarial fever	11	5	..	..	1	..	..	1	..	..	..	..	..	2	..	1	..	..	1	..	..	..	..	..	..	..
Measles	17	10	4	4	..	1	1	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever	22	11	..	2	1	3	..	6	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Whooping cough	13	2	1	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and croup.....	105	54	3	7	6	12	1	29	20	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Influenza	17	10	..	..	..	..	..	..	..	1	1	..	1	1	..	..	2	2	..	..	2	..	..	..	..	..
Dysentery	5	3	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
Erysipelas	8	6	2	..	..	..	..	2	..	1	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..
Pyæmia, septicæmia	10	6	..	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	..	2	1	..	..	..	1	..
Tuberculosis of larynx.....	2	2	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of lungs.....	229	130	..	1	..	..	..	1	..	1	6	13	27	18	18	17	7	8	8	2	1	2	1	..	..	4
Tubercular meningitis	10	3	..	1	..	..	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Abdominal tuberculosis	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Potts' disease	2	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cold abscess	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of other organs.....	3	3	1	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
General tuberculosis	5	5	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	1	1	..	..	..	..	..	..	..
Syphilis	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Cancers, etc., of the mouth.....	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	1
Cancer of the stomach, liver.....	43	14	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	2	1	3	5	..	..	..	..	..
Cancer of the intestines, rectum...	11	7	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	..	2	1	..	..	..	..
Cancer of female genital organs..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the breast.....	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of the skin.....	2	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Cancer of other organs and unspecified	9	6	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	1	1	1	..	..	..	..	..
Other tumors (except of female genital organs)	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute articular rheumatism.....	6	3	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..
Chronic rheumatism and gout.....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diabetes	16	6	..	..	..	..	..	..	..	..	2	..	..	..	1	..	..	1	1	1	..	..	..	..	..	1
Addison's disease	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Anæmia, chlorosis	5	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Other general diseases	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholism, acute and chronic.....	9	6	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	..	..	..	..	1	..	..	..	1
Diseases of Nervous System and Organs of Sense.																										
Simple meningitis	52	30	15	4	2	..	..	21	4	..	..	1	..	..	2	..	2	..	..	..	..	..	..	..	..	3
Cerebro-spinal meningitis	15	8	5	2	..	..	..	7	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Locomotor ataxia	3	3	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	1	..	..	..	..
Other diseases of spinal cord.....	5	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Apoplexy, congestion of brain.....	136	71	..	..	..	..	..	..	..	..	2	..	..	1	5	2	4	8	13	12	12	7	4	1	2	..
Softening of brain.....	6	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Paralysis unspecified	7	7	..	..	..	..	..	..	..	..	..	..	1	..	2	1	..	..	1	1	..	1	..	..	..	..
General paresis	14	5	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..	..	1	..	..	..	..	..	..	..
Other forms of insanity.....	5	3	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..
Epilepsy	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions (not puerperal).....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions of infants.....	55	29	19	7	2	1	..	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Tetanus, trismus	10	8	4	..	..	..	..	4	2	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Chorea	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other nervous diseases.....	5	4	1	..	..	..	..	1	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Circulatory System.																										
Pericarditis	6	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Acute endocarditis	18	9	..	..	..	..	..	1	1	1	2	..	..	..	..	..	..	1	..	1	2	..	..	..	..	..
Organic heart diseases.....	209	96	..	..	..	..	..	..	2	3	3	4	5	7	3	8	5	9	14	11	8	11	1	2	1	..
Angina pectoris	6	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..
Diseases of arteries, aneurism, etc.	6	4	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	..	..	..	..	..	..	..	1
Embolism, thrombosis	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Diseases of lymphatics (lymphangitis, etc.)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of circulatory system	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Diseases of Respiratory System.																										
Diseases of the larynx.....	4	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Acute bronchitis	38	19	13	5	..	..	..	18	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..

Deaths of Females by Age, and Cause of Death, for the Year Ending December 31, 1903.

Cause of Death.	All Ages.	Total																												Col.
		0	1	2	3	4	Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85						
General Diseases.																														
Typhoid fever	10	2	..	1	..	2	1	2	1	..	1		
Malarial fever	6	..	..	..	..	..	..	..	2	..	..	1	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Measles	7	2	3	1	..	..	6	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever	11	1	1	..	..	2	4	3	2	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping cough	11	8	2	1	..	..	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and croup.....	51	2	4	8	8	7	29	18	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Influenza	7	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	1	2	1	..	1	..	..	..	..
Dysentery	2	1	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other epidemic diseases.....	2	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Pyæmia, septicæmia	4	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Tuberculosis of lungs.....	99	1	..	..	..	1	1	..	7	11	17	22	10	8	6	4	3	5	1	2	1	..	..	..	..	..	..
Tubercular meningitis	7	4	..	1	1	..	6	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Potts' disease	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of stomach, liver.....	29	..	..	..	..	..	..	..	..	..	..	..	1	2	3	4	3	1	8	5	1	1	..	..	..	..	2
Cancer of intestines, rectum.....	4	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1	..	..	..	..	..	..	..	..
Cancer of female genital organs.....	9	..	..	..	..	..	..	..	..	..	..	..	2	..	3	1	..	3	..	..	..	..	..	..	..	..	..
Cancer of the breast	10	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	3	2	..	2	..	..	..	..	..	..	2
Cancer of other organs and unspecified... Other tumors (except of female genital organs)	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..
Acute articular rheumatism.....	3	..	..	..	..	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Chronic rheumatism and gout.....	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	
Diabetes	10	..	..	1	..	1	..	2	..	1	..	..	..	..	..	1	1	2	2	..	..	..	..	..	..	..	..
Anæmia, chlorosis	4	1	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..
Alcoholism, acute and chronic.....	3	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Nervous System and Organs of Sense.																														
Simple meningitis	22	7	6	3	2	..	18	3	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Cerebro-spinal meningitis	7	1	2	3	1	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of spinal cord.....	4	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	1	..	1	..	..	..	..	..
Apoplexy, congestion of brain.....	65	1	..	..	..	1	..	..	..	..	..	2	2	6	2	6	9	9	8	8	5	6	1	2	..	..	..
Softening of brain.....	4	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	1	..	..	
General paresis	9	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	1	3	1	..	1	..	..	..	..	..
Other forms of insanity.....	2	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epilepsy	2	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions (not puerperal).....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions of infants.....	26	22	4	..	..	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tetanus, trismus	2	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chorea	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other nervous diseases.....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Circulatory System.																														
Pericarditis	4	1	..	..	1	..	2	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Acute endocarditis	9	..	..	..	..	..	2	..	..	1	..	1	1	..	1	1	2	..	..	..	..	..	..	..	..	..	..
Organic heart diseases.....	113	..	..	1	1	2	4	3	3	2	3	4	7	10	11	13	11	13	9	13	3	2	3	..	..	..	..
Angina pectoris	3	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Diseases of arteries, aneurism, etc.....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Embolism, thrombosis	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..
Diseases of lymphatics (lymphangitis, etc.)	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Respiratory System.																														
Diseases of the larynx.....	3	..	..	1	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute bronchitis	19	9	6	..	..	15	..	..	..	..	..	..	..	1	..	1	..	..	1	..	1	..	2	..	4	..	..	
Chronic bronchitis	7	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	1	..	1	..	2	..	..	..	..
Broncho-pneumonia	40	22	10	..	1	33	1	1	1	..	..	..	1	..	..	..	1	..	..	1	..	1	..	1	..	2	..
Pneumonia	129	21	17	4	2	46	3	1	2	4	3	4	4	6	4	7	7	9	8	7	3	8	3	5	..	..	..
Pleurisy	3	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Congestion of lungs, pulmonary apoplexy..	2	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Gangrene of lung	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Asthma	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Pulmonary emphysema	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Other diseases of respiratory system (phthisis excepted)	6	..	..	..	..	..	2	..	..	2	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Diseases of Digestive System.																									
Diseases of œsophagus.....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Ulcer of stomach.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Other diseases of stomach (cancer excepted).....	5	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..	1	..	1	..	..	..	..	..
Diarrhœa and enteritis (under two years).....	93	81	12	..	..	..	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6
Chronic diarrhœa.....	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa and enteritis (two years and over).....	16	..	..	8	2	1	11	1	..	..	..	..	..	..	..	2	..	1	1	..	..	..	..	..	..
Hernia, intestinal obstruction.....	9	..	..	1	..	..	1	..	..	..	..	..	..	..	3	..	..	2	1	1	1	1	..	..	..
Other diseases of intestines.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Other diseases of liver.....	3	1	..	..	..	..	1	..	..	..	..	..	1	..	3	4	..	4	1	..	1	..	..	..	..
Biliary calculi.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Other diseases of liver.....	3	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Simple peritonitis (non-puerperal).....	6	..	..	..	..	..	..	1	..	2	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..
Other diseases of digestive system (except tuberculosis and cancer).....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..
Appendicitis and iliac abscess.....	5	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..
Diseases of Genito-urinary System.																									
Bright's Disease.....	82	..	1	..	..	..	1	..	..	3	2	3	3	5	6	6	8	7	2	14	8	11	1	2	3
Other diseases of kidneys and adnexa.....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of female genital organs.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Diseases.																									
Puerperal hæmorrhage.....	2	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	3	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal septicæmia.....	16	..	..	..	..	..	..	1	3	7	4	..	1	..	..	..	..	..	..	..	..	..	..	..	2
Puerperal albuminuria and convulsions.....	6	..	..	..	..	..	..	1	1	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	2
Other accidents of parturition, sudden death.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Skin and Cellular Tissue.																									
Gangrene.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Other diseases of skin and adnexa.....	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malformations.																									
Congenital malformations.....	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Infancy.																									
Congenital debility, icterus and sclerema..	75	75	..	..	..	..	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Diseases of Old Age.																									
Senile debility.....	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	5	6	6	8	3	..	..
External Causes.																									
Suicide by poison.....	3	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Suicide by hanging or strangulation.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Suicide by drowning.....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Suicide by firearms.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Suicide by cutting instruments.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidental injuries.....	10	2	..	..	..	2	2	..	1	..	..	..	1	1	1	1	1	1	1	1	..	..	..	..	..
Burn, by fire, scald.....	11	3	..	1	1	5	..	1	..	1	..	1	1	1	1	..	..	1	1	1	1	..	..	..	..
Accidental drowning.....	3	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..
Inhalation of noxious gas, not suicidal....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..
Other acute poisoning.....	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other external violence.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ill-defined or Not Specified Causes.																									
Ill-defined causes.....	13	10	1	1	..	..	12	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury during birth.....	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
General diseases.....	297	21	10	12	9	9	61	27	9	13	13	23	27	19	15	15	12	13	14	17	13	3	3	..	7
a. Tuberculous diseases.....	107	5	..	1	1	..	7	1	1	8	11	17	22	10	8	6	4	3	5	1	2	1	..	..	2
b. Cancer.....	55	..	..	..	..	..	..	..	..	..	..	..	..	4	3	8	5	8	5	12	8	1	1	..	4
Diseases of nervous system and organs of sense.																									
Diseases of nervous system.....	139	32	10	3	2	..	47	4	3	..	1	1	4	4	8	3	7	10	11	11	11	5	7	2	2
Diseases of circulatory system.																									
Diseases of circulatory system.....	134	1	..	2	2	..	5	6	3	..	4	3	3	6	8	10	14	15	14	15	9	13	4	2	3
Diseases of respiratory system.																									
Diseases of respiratory system.....	212	53	33	4	3	3	96	5	5	3	4	3	7	5	9	6	7	9	14	10	9	4	11	5	12
Diseases of digestive system.																									
Diseases of digestive system.....	158	82	13	10	2	1	108	2	1	1	3	2	3	1	4	7	4	6	4	4	4	3	1	..	6
Diseases of genito-urinary system.																									
Diseases of genito-urinary system.....	99	..	2	..	1	..	3	..	1	6	6	4	4	6	6	7	8	8	2	15	9	11	1	2	3
Puerperal diseases.																									
Puerperal diseases.....	28	..	..	..	..	..	..	..	2	4	9	6	5	2	..	..	..	..	..	..	..	..	..	..	4
Diseases of skin and cellular tissue.																									
Diseases of skin and cellular tissue.....	2	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Malformations.																									
Malformations.....	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of infancy.																									
Diseases of infancy.....	76	76	..	..	..	..	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Diseases of old age.																									
Diseases of old age.....	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	5	6	6	8	3	..	..
External causes.																									
External causes.....	35	5	..	2	1	8	2	1	..	3	2	2	5	2	1	2	..	2	2	1	2	..	..	..	..
a. Suicide.....	7	..	..	..	..	..	..	..	..	2	2	1	..	..	1	..	1	..	1	..	..	..	..	..	..
b. Accident.....	28	5	..	2	1	8	2	1	..	3	..	..	4	2	1	1	..	1	2	1	2	..	..	..	..
Causes ill-defined.....	13	10	1	1	..	..	12	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total females.....	1,224	281	69	32	21	15	418	47	23	25	38	47	56	51	54	49	54	61	64	79	62	47	35	14	39

[illegible]

Cause of Death.	Total, Both All Sexes. Ages.				Total Under 5.																				5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Puerperal hæmorrhage	1														
Other accidents of labor.....	1														
Puerperal septicæmia	1														
Diseases of Skin and Cellular Tissue.																																										
Gangrene	3	2	1	1	..	1														
Phlegmon, acute abscess.....	3	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..		
Other diseases of skin and adnexa..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..								
Diseases of Locomotory System.																																										
Diseases of bones (non-tuberculous).	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malformations.																																										
Congenital malformations	10	7	5	..	..	..	..	5	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Infancy.																																										
Congenital debility, icterus and sclerema	32	20	20	..	..	..	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases peculiar to infancy.	3	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Neglect	1	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Old Age.																																										
Senile debility	23	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	4	2	4	..	..													
External Causes.																																										
Suicide by poison.....	4	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..								
Suicide by asphyxia.....	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..					
Suicide by hanging or strangulation	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..		
Suicide by firearms.....	9	9	..	..	..	..	..	..	..	1	..	2	1	1	1	1	..	..	1	1	..	..	..	..	..	..	..								
Suicide by cutting instruments.....	2	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..					
Fractures	32	29	..	..	..	..	3	..	2	3	1	2	5	5	..	2	2	1	1	1	..	1	..	1	..	1	1											
Other accidental injuries.....	3	2	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burn, by fire, scald.....	11	6	..	..	1	..	1	..	1	..	1	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..						
Sunstroke	3	3	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..						
Freezing	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..				
Electrical shock	4	4	..	..	..	..	1	..	1	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..			
Accidental drowning	39	36	1	..	..	..	1	2	1	5	1	2	3	5	5	2	2	5	1	1	..	..	..	..	..	..	1						
Other external violence.....	6	6	..	1	..	..	1	..	..	1	..	..	3	..	..	..	..	1	..	..	..	..	..	..	..	..	..						
a. Homicide, by gunshot.....	4	4	..	..	..	..	..	..	1	..	..	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..						
Ill-defined or Not Specified Causes.																																										
Ill-defined causes	45	26	24	2	..	..	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Injury during birth.....	4	3	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
General diseases	298	188	6	6	4	3	4	23	6	1	4	10	18	19	17	13	13	11	12	8	14	13	3	3	..	3	3															
a. Tuberculous diseases	148	100	1	2	4	..	7	..	1	3	7	16	14	13	11	11	5	4	2	2	3	1	..	..	..	2	2												
b. Cancer	59	34	..	..	..	..	..	..	..	..	..	1	..	..	1	3	6	5	8	7	2	1	..	..	..	..	..										
Diseases of nervous system and or- gans of sense.....	94	51	6	2	..	1	9	..	2	2	..	1	1	1	1	1	4	4	4	11	6	2	1	1	..	..	..												
Diseases of circulatory system.....	113	74	..	..	1	..	1	4	2	2	2	1	4	3	3	8	2	2	8	7	13	5	6	1	3	3														
Diseases of respiratory system.....	169	103	23	4	5	1	33	1	2	1	..	4	3	5	6	4	5	4	7	6	4	7	11	..	1	1																
Diseases of digestive system.....	186	98	62	8	..	2	72	2	..	1	1	2	1	1	1	2	1	1	3	4	3	3	..	..	3	3														
Diseases of genito-urinary system...	109	60	..	..	..	..	..	..	1	..	1	1	4	4	7	1	11	5	6	7	5	5	2	..	1	1										
Puerperal diseases	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of skin and cellular tissue.	8	4	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	..	1	..	1	1	
Diseases of locomotory system.....	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malformations	10	7	5	..	..	..	5	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of infancy.....	40	25	25	..	..	..	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of old age.....	23	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	4	2	4	..	..	..	..												
External causes	117	102	2	1	..	1	4	6	2	9	5	6	9	16	13	5	7	9	4	4	2	..	1	..	2	2																
a. Suicide	18	15	..	..	..	..	..	..	..	1	..	3	1	3	1	2	1	..	2	1	..	..	..	..	..	..										
b. Homicide	4	4	..	..	..	..	..	..	1	..	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..							
c. Accident	95	83	2	1	..	1	4	6	2	8	4	6	6	13	10	4	5	8	3	2	1	..	1	..	2	2																
Causes ill-defined	45	26	24	2	26	2	2															
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Total males.....	752	153	23	9	7	6	198	20	11	20	19	33	41	48	44	34	41	38	41	55	47	29	27	6	16	16																
Total females	468	103	18	9	2	4	136	13	6	10	21	14	18	24	26	19	15	19	34	32	28	23	11	19	21	21																
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Total both sexes.....	1,220	256	41	18	9	10	334	33	17	30	40	47	59	72	70	53	56	57	75	87	75	52	38	25	37	37																

Deaths of Females by Age, and Cause of Death, for the Year Ending December 31, 1903.

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
General Diseases.																									
Typhoid fever	4	..	..	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malarial fever	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping cough	5	3	1	1	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and croup	10	1	..	1	1	2	5	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Influenza	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
Erysipelas	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of lungs.....	44	1	..	..	..	..	1	2	1	2	9	8	4	3	5	2	2	2	2	..	1	..	..	..	2
Tubercular meningitis	4	2	..	1	..	..	3	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer of stomach, liver.....	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	1	2	2	..	..	1	..
Cancer of intestine, rectum.....	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..
Cancer of female genital organs.....	6	..	..	..	..	..	..	..	..	..	..	..	1	2	..	1	..	1	..	1	..	..	..	..	..
Cancer of the breast.....	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..	..	..	..
Cancer of other organs and unspecified...	2	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Acute articular rheumatism.....	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Chronic rheumatism and gout.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Diabetes	6	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	2	1	1	..	..	..	..	1
Anæmia, chlorosis	3	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Alcoholism, acute and chronic.....	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Diseases of Nervous System and Organs of Sense.																									
Simple meningitis	6	1	4	..	..	..	5	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro-spinal meningitis	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of spinal cord.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Apoplexy, congestion of brain.....	25	..	..	..	..	..	..	..	..	..	..	..	..	1	2	4	2	1	3	4	2	2	3	1	..
Softening of brain.....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..
General paresis	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Epilepsy	4	..	..	..	..	1	1	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	1	..	..
Convulsions of infants.....	2	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Other nervous diseases.....	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..
Diseases of Circulatory System.																									
Acute endocarditis	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Organic heart diseases	34	..	..	..	..	..	1	..	..	2	..	..	3	3	..	1	3	5	4	3	5	2	2	..	..
Angina pectoris	3	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..
Diseases of arteries, aneurism, etc.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Diseases of Respiratory System.																									
Diseases of the larynx.....	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute bronchitis	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..
Chronic bronchitis	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..
Broncho-pneumonia	14	4	3	1	..	..	8	..	..	..	..	2	..	..	..	..	1	..	..	..	2	..	1	1	..
Pneumonia	43	4	1	2	..	..	7	2	2	..	..	3	2	2	1	2	1	4	6	5	3	..	3	3	..
Congestion of lungs, pulmonary apoplexy.	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Asthma	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
Diseases of Digestive System.																									
Diseases of pharynx	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Ulcer of stomach.....	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Other diseases of stomach (cancer ex- cepted)	9	1	..	1	..	..	2	..	..	..	..	..	1	..	1	..	..	3	..	..	1	..	1	1	..
Diarrhoea and enteritis (under two years)	53	45	8	..	..	..	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Diarrhoea and enteritis (two years and over)	9	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	1	1	1	..	1	1	1	1	..
Hernia, intestinal obstruction.....	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..
Acute yellow atrophy of liver.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cirrhosis of liver.....	6	..	..	..	..	..	..	..	..	..	..	2	1	1	..	1	1	..	..	..	..	..	..	..	..
Biliary calculi	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Other diseases of liver.....	3	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..
Appendicitis and iliac abscess.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Diseases of Genito-urinary System.																									
Acute nephritis	4	..	..	1	..	..	1	..	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Bright's Disease	32	..	..	..	1	..	1	..	..	1	3	..	3	1	4	4	1	2	4	7	5	2	1	..	1
Other diseases of kidneys and adnexa....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Uterine tumor (not cancer).....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Other diseases of uterus.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of female genital organs..	3	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	2
Puerperal Diseases.																									
Accidents of pregnancy.....	3	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Puerperal hæmorrhage	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Other accidents of labor.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal septicæmia	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Skin and Cellular Tissue.																									
Gangrene	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Phlegmon, acute abscess.....	2	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Other diseases of skin and adnexa.....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malformations.																									
Congenital malformations	3	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Infancy.																									
Congenital debility, icterus and sclerema..	12	12	..	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases peculiar to infancy.....	2	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Old Age.																									
Senile debility	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	3	3	1	..	..
External Causes.																									
Suicide by poison.....	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Suicide by asphyxia.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fractures	3	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..
Other accidental injuries.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Burn, by fire, scald.....	5	..	..	..	1	1	1	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..
Accidental drowning	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Ill-defined or Not Specified Causes.																									
Ill-defined causes	19	19	..	..	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Injury during birth.....	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
General diseases	110	8	2	3	1	2	16	8	3	5	11	8	5	6	10	4	5	6	7	5	8	1	..	2	3
a. Tuberculous diseases	48	3	..	1	..	4	2	1	3	9	8	4	3	5	2	2	2	2	..	1	..	..	..	..	2
b. Cancer	25	..	..	..	..	..	..	..	..	..	..	..	2	3	1	2	2	3	3	6	1	..	2	..	..
Diseases of nervous system and organs of sense	44	3	4	..	1	8	..	..	1	1	1	..	2	3	4	2	1	3	6	2	4	3	3	..	..
Diseases of circulatory system.....	39	..	..	..	..	2	..	..	2	..	..	4	3	1	1	4	5	4	4	5	2	2	..	..	..
Diseases of respiratory system.....	66	8	4	4	..	16	2	2	..																

Cause of Death.	All Ages.	0	1	2	3	4	Total Under 5.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Col.
Diseases of skin and cellular tissue.....	4	1	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..
Malformations	3	3	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of infancy.....	15	15	..	..	..	..	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of old age.....	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	3	3	1
External causes	15	..	..	..	..	1	1	1	1	2	..	1	..	1	..	1	1	..	3	1	1	..	..	1	1
a. Suicide	3	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
b. Accident	12	..	..	..	..	1	1	1	1	1	..	..	..	1	..	1	1	..	3	..	1	..	..	1	..
Causes ill-defined	19	19	..	..	..	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Total females	468	103	18	9	2	4	136	13	6	10	21	14	18	24	26	19	14	19	34	33	28	23	11	19	21

Respectfully submitted,
J. WALTER WOOD, M. D., Assistant Registrar of Records.

MORTALITY FROM THE PRINCIPAL CAUSES OF DEATH FOR THE YEAR 1903.
Meteorology.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.	Average for Past 35 Years.
Mean barometer	29.830	29.915	30.102	29.779	30.046	29.853	29.874	29.921	30.042	29.924	29.942	29.918	29.928	29.925
Mean humidity	85	86	80	70	79	81	73	73	67	61	66	77	75	72
Inches of rain (melted snow included).....	4.18	4.70	4.23	3.44	.30	9.78	3.92	6.73	3.67	13.31	.97	3.09	58.32	43.88
	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.
Mean temperature (Fah.).....	30.3	33.1	44.7	51.9	62.8	64.2	74.6	69.0	67.0	58.0	42.1	31.5	52.4	52.1
Maximum temperature (Fah.).....	51	62	70	82	89	81	95	89	88	76	70	54	95	101
Minimum temperature (Fah.).....	10	4	28	29	37	52	57	54	47	36	19	11	4	-6

BOROUGH OF MANHATTAN.

Cause of Death.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Total, all causes.	3,422	3,278	3,441	3,267	3,279	2,770	3,190	2,922	2,708	2,708	2,883	3,145	37,013
Typhoid fever	21	16	18	19	22	21	18	33	38	46	34	31	317
Malarial fevers .....	..	2	2	..	7	5	2	1	2	2	3	1	27
Measles	22	31	34	27	38	27	35	13	9	7	16	17	276
Scarlet fever	32	35	39	50	40	30	17	4	3	6	12	23	291
Whooping cough.....	21	15	11	15	23	11	7	17	19	9	10	8	166
Diphtheria and croup	111	89	101	103	118	98	87	59	62	62	73	114	1,077
Influenza	9	80	66	27	11	5	1	..	..	2	7	24	232
Other epidemic diseases	15	17	23	14	24	16	19	18	17	10	8	10	191
Phthisis	381	357	389	374	343	284	279	315	287	290	324	348	3,971
Tubercular meningitis	44	49	53	51	52	55	53	31	36	33	23	28	508
Other forms of tuberculosis	18	22	21	16	25	17	25	22	17	25	19	15	242
Cancer, malignant tumors	152	112	141	131	121	126	130	123	114	118	111	147	1,526
Meningitis, simple....	37	41	60	65	78	49	40	49	41	43	45	42	590
Apoplexy, congestion and softening of brain	125	119	95	117	103	87	70	72	83	103	108	119	1,201
Organic heart disease	235	238	253	265	235	220	204	194	180	219	260	229	2,732
Acute bronchitis.....	84	87	88	90	87	45	36	36	47	50	71	85	806
Chronic bronchitis....	14	11	8	8	6	4	5	5	3	7	6	8	85
Pneumonia (excluding broncho-pneumonia)	390	430	444	373	376	193	152	138	145	201	313	419	3,574
Broncho-pneumonia... Diseases of stomach (cancer excepted)	258	251	246	227	196	145	150	104	104	126	196	254	2,257
Diarrhoeas (under 2 years)	83	77	79	70	101	190	579	527	367	207	92	68	2,440
Hernia, intestinal obstruction	18	25	23	18	19	20	21	24	23	28	27	30	276
Cirrhosis of liver....	33	40	46	38	32	41	39	48	38	29	35	36	455
Bright's Disease and nephritis	317	260	272	251	260	219	208	199	186	211	248	248	2,879
Diseases of women (not cancer).....	19	22	10	12	23	9	20	10	15	11	16	17	184
Puerperal septicaemia.	11	15	17	17	11	8	13	5	3	9	11	13	133
Other puerperal diseases	15	17	17	19	28	15	16	14	16	18	15	13	203
Congenital debility and malformations ..	196	170	167	194	162	184	202	191	194	196	138	154	2,148
Old age	33	37	38	35	21	17	21	24	22	24	33	30	335
Violent deaths.....	214	152	147	197	217	181	279	178	213	198	206	173	2,355
a. Sunstroke .....	..	..	..	..	9	..	54	3	..	..	..	..	66
b. Other accidents..	177	117	114	154	156	125	179	135	153	157	155	137	1,759
c. Homicide	6	2	2	6	12	5	6	2	9	11	3	4	68
d. Suicide	31	33	31	37	40	51	40	38	51	30	48	32	462
All other causes.....	441	399	457	403	440	404	358	366	340	352	377	393	4,730
Ill-defined causes.....	48	39	55	25	46	31	82	80	71	44	34	33	588
Under 1 year.....	644	614	662	611	640	637	990	919	802	643	498	521	8,181
1 year, under 2 years	199	214	259	223	225	172	265	200	164	146	119	181	2,367
Total under 5 years..	1,034	1,006	1,101	1,050	1,083	997	1,413	1,244	1,086	893	763	858	12,528
65 years and over..	462	471	458	467	426	324	320	292	258	347	413	445	4,683
Males	1,843	1,779	1,875	1,773	1,811	1,468	1,681	1,559	1,476	1,515	1,591	1,695	20,066
Females	1,579	1,499	1,566	1,494	1,468	1,302	1,509	1,363	1,232	1,193	1,292	1,450	16,947
Colored	92	103	99	95	90	89	76	85	40	32	36	51	888

BOROUGH OF THE BRONX.

Cause of Death.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Total, all causes.	402	433	422	408	387	340	444	372	321	393	365	476	4,763
Typhoid fever.....	4	..	1	4	1	1	5	6	5	2	1	3	33
Malarial fevers.....	1	..	1	1	3	2	1	1	..	1	1	..	12
Smallpox	2	..	..	1	..	..	..	..	..	..	..	..	3
Measles	6	5	4	9	1	2	2	..	..	1	10	5	45
Scarlet fever.....	14	17	28	23	17	10	9	9	7	6	10	24	174
Whooping cough.....	3	1	1	1	1	4	1	5	1	1	..	2	21
Diphtheria and croup.	17	14	19	17	14	10	8	7	5	10	15	19	155
Influenza	1	5	9	1	..	..	..	..	..	..	2	2	20
Other epidemic diseases	3	1	3	..	3	2	4	8	11	..	..	..	35
Phthisis	121	124	105	108	111	90	112	91	92	119	94	125	1,292
Tubercular meningitis	2	5	4	8	6	8	1	1	4	7	5	7	58
Other forms of tuberculosis	1	3	2	3	4	2	4	2	4	2	1	3	31
Cancer, malignant tumors	13	12	12	16	7	14	18	18	10	15	12	11	158
Meningitis, simple....	3	3	6	6	8	6	4	4	3	5	3	2	53
Apoplexy, congestion and softening of brain	19	13	20	11	8	13	12	9	16	23	13	21	178
Organic heart disease	29	25	17	20	16	15	14	14	14	20	22	15	221
Acute bronchitis.....	4	10	5	6	4	4	1	1	6	3	5	4	53
Chronic bronchitis...	1	3	2	..	6	..	1	2	1	2	7	3	28
Pneumonia (excluding broncho-pneumonia)	34	44	42	33	36	24	13	14	13	16	29	56	354
Broncho-pneumonia... Diseases of stomach (cancer excepted)	10	20	10	12	8	8	6	7	6	8	10	18	123
Diarrhoeas (under 2 years) .....	..	3	1	3	1	4	2	2	2	2	4	3	27
Hernia, intestinal obstruction	2	5	4	5	5	25	70	42	22	15	7	7	209
Cirrhosis of liver....	2	7	3	3	4	1	2	3	..	1	2	..	28
Bright's Disease and nephritis	1	2	2	4	2	2	3	2	4	5	3	2	32
Diseases of women (not cancer).....	27	22	25	25	33	20	24	15	19	33	32	46	321
Puerperal septicaemia. Other puerperal diseases	1	..	..	2	..	1	1	3	..	..	..	..	8
Congenital debility and malformations ...	3	1	1	..	..	..	..	1	..	1	1	..	8
Old age	1	3	1	3	1	3	6	3	2	3	4	1	31
Violent deaths.....	19	11	23	13	17	15	12	23	16	17	18	17	201
a. Sunstroke	5	11	14	8	10	2	3	1	5	1	9	4	73
b. Other accidents..	15	15	17	26	31	20	42	28	15	35	8	24	276
c. Homicide .....	..	..	..	..	1	..	8	..	1	..	..	..	10
d. Suicide	12	11	12	17	17	16	25	25	11	24	7	20	197
All other causes....	..	1	..	1	2	..	3	1	..	1	..	1	10
Ill-defined causes....	3	3	5	8	11	4	6	2	3	10	1	3	59
Under 1 year.....	37	46	39	36	27	29	57	37	25	38	33	48	452
1 year, under 2 years.	1	2	1	..	2	3	6	13	13	1	4	4	50
Total under 5 years..	46	54	61	50	49	64	105	94	62	50	51	55	741
65 years and over....	23	18	17	21	11	18	22	25	15	12	16	25	223
Males	102	89	105	103	75	104	146	133	87	78	81	110	1,213
Females	57	73	69	54	56	43	55	49	44	65	60	72	697
Colored	218	253	245	229	207	185	256	210	164	224	178	256	2,625
Institutions	184	180	177	179	180	155	188	162	152	169	187	220	2,138
Tenements	24	14	11	21	30	11	15	10	9	15	16	22	198
Dwellings	174	164	160	167	175	127	136	133	111	153	146	170	1,836
Hotels, etc.....	118	150	136	133	115	123	169	126	115	107	113	169	1,574
Others	101	107	115	95	84	78	95	92	86	118	100	125	1,196
a. Sunstroke	2	3	2	4	2	3	3	4	..	4	..	1	28
b. Other accidents..	7	9	9	9	11	9	21	17	9	11	6	11	129

BOROUGH OF BROOKLYN.

Cause of Death.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Total, all causes.	1,934	1,977	1,898	1,788	1,863	1,682	2,165	1,776	1,621	1,710	1,790	1,988	22,192
Typhoid fever	12	20	20	15	19	6	32	25	29	33	31	25	267
Malarial fevers	3	1	3	2	3	1	4	3	5	4	2	5	36
Small pox .....	..	..	..	..	..	..	..	..	..	..	1	1	2
Measles	5	7	9	6	28	34	25	11	5	11	14	12	167
Scarlet fever	16	16	12	33	25	30	26	15	13	9	19	30	244
Whooping cough	12	15	18	10	7	13	8	15	7	3	6	4	118
Diphtheria and croup.	74	65	76	71	84	81	73	41	44	72	74	75	830
Influenza	12	50	51	12	5	..	..	1	4	5	4	4	144
Other epidemic diseases	5	10	12	15	6	9	23	21	15	8	9	10	143
Phthisis	230	218	206	208	206	170	183	195	156	194	200	230	2,396
Tubercular meningitis	17	16	22	22	21	25	24	14	18	16	11	17	223
Other forms of tuberculosis	17	11	15	21	14	15	17	17	14	18	14	9	182
Cancer, malignant tumors	61	80	71	59	63	62	68	72	49	74	59	60	778
Meningitis, simple ..	10	9	13	19	22	21	22	23	20	15	13	10	197
Apoplexy, congestion and softening of brain	105	98	73	77	114	59	81	59	65	72	92	107	1,002
Organic heart disease	163	155	139	121	135	113	100	104	93	109	120	163	1,515
Acute bronchitis	74	85	67	48	63	34	30	32	36	45	66	73	653
Chronic bronchitis....	18	14	14	11	11	9	8	8	8	12	15	15	143
Pneumonia (excluding broncho-pneumonia)	234	264	235	191	199	96	93	73	95	116	239	269	2,104
Broncho-pneumonia ..	82	81	89	62	67	55	49	30	43	57	93	98	806
Diseases of stomach (cancer excepted)	17	21	14	23	15	12	17	27	22	26	18	18	230
Diarrhoeas (under two years)	26	27	31	37	34	167	448	330	200	104	39	28	1,471
Hernia, intestinal obstruction	9	8	14	13	11	15	15	20	14	5	13	14	151
Cirrhosis of liver....	24	18	26	18	32	19	21	18	24	20	18	25	263
Bright's disease and nephritis	204	195	204	194	171	149	170	133	158	172	187	186	2,123
Diseases of women (not cancer)....	4	8	11	11	4	7	10	7	7	8	10	7	94
Puerperal septicaemia.	12	7	9	9	13	5	4	7	4	8	1	10	89
Other puerperal diseases	12	12	15	9	9	10	11	11	6	11	16	17	139
Congenital debility and malformations ..	91	95	75	89	85	120	85	90	95	98	99	95	1,117
Old age	43	35	24	40	21	23	17	20	27	17	28	36	331
Violent deaths	86	75	65	89	97	87	174	102	99	105	76	89	1,144
a. Sunstroke .....	..	..	..	..	8	..	49	2	..	..	..	..	59
b. Other accidents..	66	59	37	67	62	59	104	78	71	82	58	66	799
c. Homicide	1	4	2	3	2	6	5	6	2	8	5	8	52
d. Suicide	19	12	26	19	25	22	16	16	26	25	13	15	234
All other causes.....	231	233	241	240	251	192	284	206	187	218	175	231	2,689
Ill-defined causes ..	25	28	24	13	28	43	43	47	62	46	27	15	401
Under 1 year.....	290	329	331	260	291	441	662	543	450	384	325	295	4,601
1 year, under 2 years	92	89	110	88	99	112	152	122	93	85	83	99	1,224
Total under 5 years..	488	513	534	465	535	671	955	748	607	550	504	498	7,068
65 years and over....	382	399	316	324	303	225	264	216	235	263	325	398	3,650
Colored	61	53	59	32	46	37	53	27	43	38	34	49	532
Males	1,019	1,049	996	947	996	896	1,127	936	884	881	945	1,015	11,691
Females	915	928	902	841	867	786	1,038	840	737	829	845	973	10,501

BOROUGH OF QUEENS.

Cause of Death.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Total, all causes.	220	229	216	196	204	221	274	256	221	208	229	202	2,676
Typhoid fever.....	1	4	2	..	2	3	1	4	1	2	2	..	22
Malarial fevers.....	2	1	1	..	..	1	1	2	3	..	..	..	11
Measles .....	..	1	..	..	3	1	2	1	..	..	2	7	17
Scarlet fever.....	2	2	1	1	5	6	2	1	..	2	..	..	22
Whooping cough.....	1	3	5	..	..	..	1	3	..	..	..	..	13
Diphtheria and croup.	8	8	8	9	4	11	4	5	7	12	20	9	105
Influenza	1	9	4	1	1	..	..	..	..	..	..	1	17
Other epidemic diseases	5	..	1	1	2	..	2	1	..	..	..	1	13
Phthisis	20	22	15	20	16	21	13	16	21	24	24	17	229
Tubercular meningitis.	1	1	..	1	1	1	1	1	1	2	..	..	10
Other forms of tuberculosis	1	2	..	..	2	1	1	1	1	1	1	3	14
Cancer, malignant tumors	6	7	7	5	9	13	7	8	9	5	5	6	87
Meningitis, simple....	..	2	7	3	5	7	9	7	4	3	3	2	52
Apoplexy, congestion and softening of brain	11	12	12	8	18	5	8	7	13	13	24	11	142
Organic heart disease	17	18	21	23	10	21	23	11	20	14	18	13	209
Acute bronchitis.....	3	6	2	4	4	1	..	1	..	3	10	4	38
Chronic bronchitis....	1	..	2	2	2	1	..	1	..	2	..	..	11
Pneumonia (excluding broncho-pneumonia)	32	45	29	17	14	22	9	10	11	13	21	51	274
Broncho-pneumonia....	16	6	9	8	7	8	5	5	6	3	7	12	92
Diseases of stomach (cancer excepted)	4	1	3	2	1	..	3	3	..	1	..	..	18
Diarrhoeas (under 2 years)	2	1	4	8	5	12	64	65	23	11	3	5	203
Hernia, intestinal obstruction	3	1	2	3	1	..	1	1	2	2	2	7	25
Cirrhosis of liver....	1	4	3	5	4	5	2	7	6	2	4	1	44
Bright's disease and nephritis	24	21	24	9	18	16	24	15	13	14	21	15	214
Diseases of women (not cancer)....	..	..	..	..	..	..	..	1	..	1	..	..	2
Puerperal septicaemia.	2	2	1	2	1	..	..	1	4	1	2	..	16

Cause of Death. Jan. Feb. Mar. April. May. June. July. Aug. Sept. Oct. Nov. Dec. Total.

Other puerperal diseases	1	..	1	3	3	..	..	..	1	2	1	..	12
Congenital debility and malformations ..	9	10	17	7	11	7	25	23	20	26	16	12	183
Old age	7	2	5	4	1	7	5	4	3	3	4	4	49
Violent deaths.....	16	14	4	9	21	14	22	15	22	21	13	5	176
a. Sunstroke .....	..	..	..	..	1	..	2	1	..	..	..	..	4
b. Other accidents..	14	12	2	7	16	10	17	11	18	17	10	3	137
c. Homicide .....	..	1	..	..	..	..	..	1	..	1	..	..	3
d. Suicide	2	1	2	2	4	4	3	2	4	3	3	2	32
All other causes.....	20	18	24	36	31	33	36	33	28	24	21	16	320
Ill-defined causes....	3	6	2	5	2	4	3	4	1	2	4	..	36
Under 1 year.....	15	43	50	39	35	33	101	104	58	51	38	37	634
1 year, under 2 years	14	11	10	12	10	10	18	10	10	11	10	24	150
Total under 5 years..	61	59	67	55	51	59	122	135	67	68	79	78	901
65 years and over....	47	40	49	35	32	42	35	26	33	26	42	43	450
Males	112	124	105	96	114	116	148	142	127	125	123	121	1,452
Females	108	105	111	100	90	105	126	114	94	83	106	81	1,224
Colored	5	7	8	2	3	4	15	12	6	14	6	7	89

BOROUGH OF RICHMOND.

Cause of Death.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Total, all causes.	82	94	108	102	83	76	161	117	89	104	101	103	1,220
Typhoid fever.....	2	2	1	2	2	..	..	2	1	1	1	..	14
Malarial fevers.....	..	..	..	..	1	1	..	..	..	1	1	..	4
Measles .....	..	..	..	..	..	..	2	..	..	..	..	1	3
Scarlet fever.....	1	..	..	..	..	..	1	1	..	..	..	..	3
Whooping cough.....	..	..	1	..	..	2	2	..	..	..	..	1	6
Diphtheria and croup.	3	3	1	1	1	1	3	1	..	3	4	2	23
Influenza .....	..	2	1	1	1	..	..	..	..	..	..	..	5
Other epidemic diseases .....	..	..	..	..	1	..	..	..	..	..	2	..	3
Phthisis	9	12	19	15	12	12	9	9	8	13	5	9	132
Tubercular meningitis	..	..	1	4	..	..	1	1	1	4	1	..	13
Other forms of tuberculosis	1	..	2	..	..	..	..	..	..	..	..	..	3
Cancer, malignant tumors	6	7	4	6	4	3	4	6	4	5	4	6	59
Meningitis, simple....	..	1	..	1	3	1	1	2	..	..	..	..	9
Apoplexy, congestion and softening of brain	3	1	7	4	3	5	3	2	2	4	14	2	50
Organic heart disease	7	8	4	11	6	9	8	6	10	8	7	10	94
Acute bronchitis.....	..	3	..	1	..	..	1	1	..	1	..	3	10
Chronic bronchitis....	..	..	..	3	1	..	..	..	1	3	..	1	9
Pneumonia (excluding broncho-pneumonia)	11	10	7	15	17	3	1	3	1	3	9	16	96
Broncho-pneumonia...	4	5	5	4	2	2	2	2	..	..	2	6	34
Diseases of stomach (cancer excepted)	4	1	2	1	2	..	1	1	1	1	2	3	19
Diarrhoeas (under 2 years)	1	2	5	..	1	3	55	28	13	4	7	1	120
Hernia, intestinal obstruction	1	..	..	..	..	1	..	..	..	..	..	3	5
Cirrhosis of liver....	3	1	2	..	..	1	2	1	..	..	..	3	13
Bright's disease and nephritis	7	14	16	9	3	5	9	6	8	5	11	6	99
Diseases of women (not cancer).....	..	1	1	..	1	..	1	..	1	..	..	..	5
Puerperal septicaemia.	..	..	1	..	..	..	..	..	..	..	..	..	1
Other puerperal diseases .....	..	..	..	..	..	..	1	..	1	2	1	..	5
Congenital debility and malformations ...	4	1	5	5	1	7	2	6	1	6	3	5	46
Old age .....	..	2	3	..	3	1	3	1	2	5	..	3	23
Violent deaths.....	4	8	7	7	7	8	21	10	13	14	11	7	117
a. Sunstroke .....	..	..	..	..	..	..	3	..	..	..	..	..	3
b. Other accidents.	3	5	5	7	7	5	18	9	10	11	8	4	92
c. Homicide .....	..	1	..	..	..	..	..	1	1	1	..	..	4
d. Suicide	1	2	2	..	..	3	..	..	2	2	3	3	18
All other causes.....	9	8	11	10	11	10	17	17	16	17	13	13	152
Ill-defined causes....	2	2	2	2	..	1	11	11	5	4	3	2	45
Under 1 year.....	13	11	18	12	6	13	62	51	19	20	16	15	256
1 year, under 2 years.	3	2	2	1	3	4	18	2	2	2	..	2	41
Total under 5 years..	21	14	22	16	9	20	84	54	22	26	24	22	334
65 years and over....	11	27	28	30	17	17	22	16	22	24	27	36	277
Males	44	60	62	65	54	42	106	72	56	72	57	62	752
Females	38	34	46	37	29	34	55	45	33	32	44	41	468
Colored .....	..	1	2	2	1	2	10	7	5	1	2	4	37

Cause of Death.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	Cause of Death.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Influenza	23	146	131	42	18	5	1	..	1	6	14	31	418	Diseases of women (not cancer)	24	31	22	25	28	17	32	20	24	19	27	24	293
Other epidemic diseases	28	28	39	30	36	27	48	48	43	18	19	21	385	Puerperal septicemia. Other puerperal diseases	28	25	29	28	25	13	17	14	11	19	15	23	247
Phthisis	761	733	734	725	688	577	596	626	564	640	647	729	8,020	Congenital debility and malformations ..	29	32	34	34	41	28	34	28	26	36	37	31	390
Tubercular meningitis	64	71	80	86	80	89	80	48	60	62	40	52	812	Old age	319	287	287	308	276	333	314	333	316	355	274	283	3,695
Other forms of tuberculosis	38	38	40	40	45	35	47	42	36	46	35	30	472	Violent deaths	88	87	84	87	56	50	49	50	59	50	74	77	811
Cancer, malignant tumors	238	218	235	217	204	218	227	227	186	217	191	230	2,608	a. Sunstroke	335	264	240	328	373	310	538	333	362	373	314	298	4,068
Meningitis, simple....	50	56	86	94	116	84	76	85	68	66	64	56	901	b. Other accidents.	..	..	..	..	19	..	116	6	1	..	..	..	142
Apoplexy, congestion and softening of brain	263	243	207	217	246	169	174	149	179	215	251	260	2,573	c. Homicide	272	204	170	252	258	215	343	258	263	281	238	230	2,984
Organic heart disease	451	444	434	440	402	378	349	329	317	370	427	430	4,771	d. Suicide	7	9	4	10	16	11	14	11	12	22	8	13	137
Acute bronchitis	165	191	162	149	158	84	68	71	89	102	152	169	1,560	All other causes.....	56	51	66	66	80	84	65	58	86	70	68	55	805
Chronic bronchitis ..	34	28	26	24	26	14	14	16	13	26	28	27	276	Ill-defined causes ...	738	704	772	725	760	668	762	653	594	646	619	701	8,343
Pneumonia (excluding broncho-pneumonia) ..	701	793	757	629	642	338	268	238	265	349	611	811	6,402	Under 1 year.....	79	77	84	45	78	82	147	160	164	88	72	54	1,120
Broncho-pneumonia... Diseases of stomach (cancer excepted) ..	370	363	359	313	280	218	212	148	159	194	308	388	3,312	1 year, under 2 years ..	1,038	1,051	1,122	973	1,021	1,188	1,920	1,711	1,391	1,147	928	923	14,413
Diarrhoeas (under two years)	50	49	41	45	33	29	45	55	38	52	36	39	512	Total under 5 years ..	331	334	399	345	349	317	475	364	284	246	230	331	4,005
Hernia, intestinal obstruction	114	112	123	120	146	397	1,216	992	625	341	148	109	4,443	65 years and over....	1,706	1,681	1,829	1,689	1,753	1,851	2,720	2,314	1,869	1,615	1,451	1,566	22,044
Cirrhosis of liver....	33	41	42	37	35	37	39	48	39	36	44	54	485	Males	959	1,010	920	910	834	651	696	599	592	725	867	994	9,757
Bright's disease and nephritis	62	65	79	65	70	68	67	76	72	56	60	67	807	Females	3,235	3,265	3,283	3,110	3,182	2,707	3,318	2,919	2,707	2,817	2,894	3,149	36,586
	579	512	541	488	485	409	435	368	384	435	499	501	5,636	Colored	2,824	2,747	2,802	2,651	2,634	2,383	2,916	2,524	2,253	2,306	2,474	2,765	31,278

Actual Number of Deaths from Zymotic and Certain Other Preventable Diseases, by Wards.
BOROUGH OF MANHATTAN.

Wards.	Area in Acres.	Population by Census of 1900.	Number of Persons to the Acre.	Cerebro-spinal Meningitis.	Diphtheria.	Typhoid Fever.	Malarial Fevers.	Measles.	Scarlet Fever.	Smallpox.	Whooping Cough.	Diarrhoeal Diseases.	Phthisis.	All Causes.	Deaths in Institutions.	Deaths of Children Under 5 Years.
First	154.0	9,516	61.8	1	4	3	..	3	4	..	2	29	61	403	49	99
Second	81.0	1,488	18.4	..	2	2	..	..	..	..	..	3	13	71	..	15
Third	95.0	1,797	18.9	1	..	1	1	..	..	..	..	2	12	77	1	15
Fourth	83.0	19,554	235.7	7	15	6	1	5	3	..	1	41	92	694	1	263
Fifth	168.0	8,298	49.4	2	9	2	1	..	4	..	..	10	26	240	263	45
Sixth	86.0	20,004	232.7	7	14	2	..	10	2	..	2	43	112	587	14	218
Seventh	198.0	89,237	450.7	10	53	12	..	12	20	..	2	106	95	1,300	560	530
Eighth	183.0	29,059	158.8	1	19	9	1	4	4	..	4	64	86	738	1	258
Ninth	322.0	59,650	185.2	6	38	15	1	9	6	..	5	112	175	1,477	391	368
Tenth	110.0	71,879	653.4	10	45	6	..	13	16	..	8	115	130	1,211	3	530
Eleventh	196.0	99,144	505.8	4	36	9	..	11	17	..	5	86	70	952	208	433
Twelfth	5,504.0	476,602	86.6	42	268	87	10	71	74	..	40	592	839	8,690	1,720	2,603
Thirteenth	107.0	64,117	599.2	5	29	2	..	4	15	..	5	83	61	814	1	413
Fourteenth	96.0	34,035	354.5	5	32	6	..	20	9	..	8	113	52	867	1	543
Fifteenth	198.0	24,066	121.5	..	13	1	..	2	2	..	1	31	42	398	4	131
Sixteenth	349.0	52,808	151.3	9	23	7	1	1	11	..	10	66	136	1,082	13	248
Seventeenth	331.0	130,796	395.1	14	92	15	1	38	19	..	12	241	260	2,610	79	1,044
Eighteenth	450.0	61,325	136.3	6	70	12	1	10	9	..	10	107	172	1,596	1,461	554
Nineteenth	1,481.0	257,448	173.8	18	143	51	4	25	28	..	20	475	619	5,873	4,184	2,118
Twentieth	444.0	89,798	202.2	7	51	11	1	14	15	..	10	124	313	2,054	103	553
Twenty-first	411.0	60,211	146.5	1	37	14	3	13	10	..	2	94	189	1,526	2,207	362
Twenty-second	1,529.0	189,261	123.7	17	84	44	1	11	23	..	19	241	416	3,753	672	1,185
Total.....	12,576.0	1,850,093	147.2	173	1,077	317	27	276	291	..	166	2,778	3,971	37,013	11,936	12,528

BOROUGH OF THE BRONX.*

Twenty-third	4,267.0	132,413	31.0	16	118	20	2	40	166	3	12	169	946	3,300	1,390	878
Twenty-fourth	22,255.8	43,009	1.9	6	37	13	10	5	8	..	9	72	346	1,463	446	335
Total.....	26,522.8	175,422	6.6	22	155	33	12	45	174	3	21	241	1,292	4,763	1,836	1,213

* The greater part of the deaths in institutions in the Borough of The Bronx were of non-residents.

BOROUGH OF BROOKLYN.

First	233.0	20,307	87.2	..	13	..	1	..	1	..	1	17	29	314	15	90
Second	97.7	8,565	87.7	..	19	1	..	..	4	..	1	14	14	173	..	70
Third	161.4	17,949	111.2	2	9	2	..	..	2	..	2	21	25	250	23	71
Fourth	111.3	12,568	112.9	..	12	..	..	3	2	..	1	21	23	198	2	63
Fifth	119.4	18,862	158.0	..	20	4	..	..	2	..	2	35	29	366	..	151
Sixth	302.9	42,485	140.2	4	24	19	1	6	8	..	1	63	223	1,321	610	276
Seventh	458.5	40,471	88.3	5	9	5	1	..	4	..	5	54	47	674	96	252
Eighth	1,843.2	52,414	28.4	4	32	20	4	8	7	..	4	85	91	964	98	362
Ninth	623.6	42,876	68.8	1	42	9	4	4	9	..	6	43	69	778	67	260
Tenth	318.7	39,100	122.7	..	26	3	..	3	9	..	7	91	83	750	..	324
Eleventh	252.6	22,608	89.5	..	13	13	..	..	2	..	3	36	59	656	264	159
Twelfth	663.1	30,354	45.8	1	16	3	1	6	11	..	7	60	39	539	..	217
Thirteenth	230.3	24,029	104.3	1	10	5	..	1	4	..	1	28	44	475	107	102
Fourteenth	282.6	31,483	111.4	2	52	1	..	18	9	..	3	85	63	675	..	347
Fifteenth	244.8	30,269	123.6	2	40	2	1	7	2	..	3	72	61	550	..	215
Sixteenth	244.8	56,550	231.0	2	34	1	1	2	15	..	3	86	58	707	1	326
Seventeenth	823.3	57,309	69.6	3	43	9	2	9	22	..	6	136	76	1,056	2	463
Eighteenth	873.0	25,133	28.8	4	22	16	1	2	3	..	11	71	133	794	361	238
Nineteenth	413.8	37,645	91.0	1	23	4	3	..	5	..	5	36	42	516	3	161

Wards.	Area in Acres.	Population by Census of 1900.	Number of Persons to the Acre.	Cerebro-spinal Meningitis.	Diphtheria.	Typhoid Fever.	Malarial Fevers.	Measles.	Scarlet Fever.	Smallpox.	Whooping Cough.	Diarrhoeal Diseases.	Phthisis.	All Causes.	Deaths in Institutions.	Deaths of Children Under 5 Years.
Twentieth	461.5	25,446	55.1	1	16	8	1	3	6	..	3	33	57	611	228	172
Twenty-first	483.2	58,957	122.0	..	43	8	3	4	3	..	8	65	86	825	2	273
Twenty-second	1,361.6	66,575	48.9	1	39	15	1	3	13	..	3	79	104	1,144	223	317
Twenty-third	736.0	61,813	94.0	3	25	21	..	4	14	..	4	51	72	913	130	204
Twenty-fourth	1,198.5	31,767	26.5	2	11	15	1	2	2	1	..	35	217	872	429	155
Twenty-fifth	567.8	48,328	85.1	3	21	12	2	6	4	..	3	40	76	768	66	210
Twenty-sixth	3,590.2	66,086	18.4	4	31	3	3	16	7	..	5	109	85	954	43	406
Twenty-seventh	400.7	43,961	109.7	..	32	5	1	6	5	..	6	67	65	657	47	244
Twenty-eighth	884.4	77,912	88.1	2	54	25	1	4	8	..	3	87	104	1,215	168	344
Twenty-ninth	3,800.0	27,188	7.2	5	84	21	2	48	51	1	8	55	270	1,726	1,346	365
Thirtieth	5,404.1	24,700	4.6	2	10	9	..	2	7	..	2	28	26	401	13	124
Thirty-first	6,312.3	14,609	2.3	1	2	5	1	..	..	..	..	29	16	230	14	70
Thirty-second	5,479.5	8,243	1.5	1	3	3	..	..	3	..	1	8	10	120	..	37
Total	38,977.8	1,166,582	29.9	57	830	267	36	167	244	2	118	1,740	2,396	22,192	4,358	7,068

BOROUGH OF QUEENS.

First	4,650	48,272	10.4	7	28	13	2	7	11	..	4	78	104	986	218	310
Second	14,700	40,903	2.8	2	32	4	5	..	3	..	3	69	47	631	11	230
Third	22,000	25,870	1.2	..	13	2	2	..	3	..	1	29	27	398	50	129
Fourth	36,600	30,761	.8	6	30	3	2	10	2	..	3	41	41	552	50	200
Fifth	3,770	7,193	1.9	..	2	..	..	..	3	..	2	12	10	109	5	32
Total	81,720	152,999	1.9	15	105	22	11	17	22	..	13	229	229	2,676	334	901

BOROUGH OF RICHMOND.

First	3,340	21,441	6.4	1	14	8	1	1	2	..	..	45	50	525	235	108
Second	4,130	13,200	3.2	1	2	3	1	..	..	..	1	23	42	235	60	64
Third	10,050	13,701	1.4	..	3	1	..	1	..	..	2	23	21	187	15	56
Fourth	8,180	9,516	1.2	..	3	1	2	1	1	..	..	34	8	159	49	80
Fifth	10,900	9,163	.8	2	1	1	..	..	..	..	3	10	11	114	14	26
Total	36,600	67,021	1.8	4	23	14	4	3	3	..	6	135	132	1,220	373	334

Deaths According to Nativity of Deceased and Parents of Deceased for the Year 1903.

Country.	Nativity of Deceased.					City of New York.
	Borough of					
	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	
Africa	2	....	1	....	....	3
Armenia	2	....	....	....	....	2
Asia	2	....	1	....	....	3
At sea	1	....	1	....	....	2
Australia	6	....	6	....	....	12
Austria-Hungary	1,011	64	130	29	6	1,240
Azores .....	....	....	1	....	....	1
Belgium	19	2	4	....	1	26
Bermuda	3	....	....	....	....	3
Bohemia	191	11	7	14	....	223
British America.....	177	34	150	12	10	383
Brazil	2	....	....	....	1	3
Ceylon	1	....	....	....	....	1
China	75	1	5	....	....	81
Canary Islands.....	1	....	1	....	....	2
Chili .....	....	....	1	....	....	1
Cuba	25	2	8	1	1	37
Denmark	32	6	36	7	10	91
Egypt	1	1	....	....	....	2
England	658	106	575	42	37	1,418
Fiji Islands.....	....	....	....	....	....	....
Finland	9	8	15	1	3	36
France	212	23	41	20	6	302
Germany	3,433	645	2,267	390	110	6,845
Gibraltar .....	....	....	2	....	....	2
Greece	38	....	5	....	....	43
Holland	26	7	17	....	2	52
India	2	1	1	....	....	4
Ireland	5,063	652	2,722	266	161	8,864
Italy	1,418	142	574	60	26	2,220
Japan	3	2	3	....	1	9
Mexico	1	....	1	....	....	2
Norway	49	9	....	2	15	75
Palestine	1	....	....	....	....	1
Panama	1	....	....	....	2	3
Poland	61	4	32	....	....	97

Country.	Borough of						City of New York.
	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.		
	Porto Rico.....	2	1	3	....	....		6
Portugal	1	....	3	....	....	4
Roumania	77	12	17	....	....	106
Russia	1,349	85	284	23	4	1,745	
Scandinavia .....	....	....	362	....	....	362
Scotland	258	37	164	25	7	491	
Servia	1	....	....	....	....	1
South America.....	2	1	3	2	....	8
Spain	18	....	15	....	1	34
Sweden	149	34	....	8	10	201
Switzerland	123	25	52	8	7	215	
Syria	17	1	5	....	....	23
Turkey	12	....	1	....	....	18
United States.....	22,050	2,788	14,461	1,748	782	41,829	
Unknown	385	48	171	16	10	630	
Wales .....	....	1	11	2	5	19
Other West Indies....	43	10	33	....	1	87
Mixed nationalities....	....	....	....	....	1	1
Total....	37,013	4,763	22,192	2,676	1,220	67,864	

Country.	Nativity of Parents of Deceased.					City of New York.
	Borough of					
	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	
Africa	2	....	1	....	....	3
Armenia	2	....	....	....	....	2
Asia .....	....	....	....	....	....	....
At sea .....	....	....	1	....	....	1
Australia	3	1	1	2	....	7
Austria-Hungary	1,930	102	262	45	14	2,353
Azores .....	....	....	....	....	....	....
Belgium	14	2	7	....	1	24
Bermuda	2	....	1	....	....	3
Bohemia	330	19	11	22	....	382
British America.....	97	10	101	12	5	225
Brazil .....	....	....	....	....	1	1

Country.	Nativity of Parents of Deceased					
	Borough of					City of New York.
	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	
Ceylon	1	....	....	....	....	1
China	73	1	3	....	....	77
Canary Islands.....	1	....	....	....	....	1
Chili .....	....	....	....	....	....	....
Cuba	19	1	7	1	1	29
Denmark	29	7	45	8	1	90
Egypt .....	....	1	....	....	....	1
England	623	105	657	70	44	1,499
Fiji Islands.....	....	....	....	....	1	1
Finland	16	12	34	3	2	67
France	235	26	41	31	6	339
Germany	4,504	942	3,435	640	143	9,664
Gibraltar .....	....	....	1	....	....	1
Greece	31	....	6	....	....	37
Holland	26	4	18	6	....	54
India .....	....	1	....	....	....	1
Ireland	7,940	1,073	4,572	427	207	14,219
Italy	4,082	297	1,506	130	51	6,066
Japan	1	2	1	....	....	4
Mexico	1	....	1	....	....	2
Norway	39	15	....	3	18	75
Palestine	1	....	....	....	....	1

Country.	Nativity of Parents of Deceased					
	Borough of					City of New York.
	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	
Panama .....	....	....	....	....	2	2
Poland	82	10	86	3	....	181
Porto Rico.....	1	....	2	....	....	3
Portugal	1	....	4	....	....	5
Roumania	136	16	35	....	....	187
Russia	2,583	163	685	83	17	3,531
Scandinavia .....	....	....	542	....	....	542
Scotland	254	49	210	29	8	550
Servia	1	....	....	....	....	1
South America.....	2	....	2	2	....	6
Spain	13	....	23	....	....	36
Sweden	187	42	....	11	8	248
Switzerland	100	27	56	12	4	199
Syria	27	1	9	....	1	38
Turkey	16	....	....	1	....	17
United States	5,933	952	5,652	784	329	13,650
Unknown	4,377	273	1,701	108	265	6,724
Wales .....	....	2	12	3	2	19
Other West Indies....	43	10	38	....	1	92
Mixed nationalities....	3,255	597	2,423	240	88	6,603
Total....	37,013	4,763	22,192	2,676	1,220	67,864

Deaths by Suicide in Borough of Manhattan.

Nativity.	Cuts and Stabs.		Drowning.	Gunshots.		Hanging.		Leaps.		Throwing Self Before Train.		Arsenic.		Carbolic Acid.	Cyanide of Mercury.		Cyanide of Potassium.		Hydrochloric Acid.		Hydrocyanic Acid.		Illuminating Gas.		Irritant Poison.		Lead Poison.		Morphine.	Oxalic Acid.		Paris Green.	Potassium.	Strychnine.	Wool Alcohol.	Total by Sexes.		Total of Both Sexes.
	M.	F.		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		M.	F.					M.	F.	
Austria-Hungary	2	1	8	..	1	2	5	3	1	..	1	1	19	7	26	
Bohemia	1	1	2	3	1	4		
British America	1	1	..	1	..	1	1	1	4	1	5		
England	2	1	5	2	1	8	3	11		
France	1	1	1	..	1	1	2	4	3	7		
Germany	5	1	26	..	14	2	1	2	1	..	23	8	1	18	8	1	..	1	..	1	1	1	..	1	..	1	93	23	116		
Ireland	3	1	..	..	4	..	1	..	..	1	..	..	9	9	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	17	13	30
Italy .....	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3
Russia .....	..	..	..	..	2	..	4	..	2	..	..	..	13	6	..	..	..	..	3	2	..	..	..	1	..	..	..	..	..	..	..	..	25	8	33
Other foreign countries.....	1	..	..	..	9	..	4	1	1	..	..	..	3	7	..	1	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	24	8	32
United States	5	3	1	1	28	1	4	2	..	1	1	1	36	27	1	..	..	..	13	9	..	..	1	2	..	..	1	1	1	1	1	1	93	48	141
Unknown	1	..	..	..	16	..	3	..	..	..	..	..	16	8	..	..	..	..	6	2	..	1	..	..	..	..	..	..	..	..	..	..	43	9	52
Total.....	17	6	1	2	99	1	32	5	6	7	2	1	111	72	1	2	1	1	54	26	1	1	2	3	1	1	1	2	2	1	1	336	126	462				

*Deaths by Suicide in The City of New York.

Nativity.	Cuts and Stabs. Drowning. Gunshots. Hanging. Leaps. Throwing Self in Front of Cars. Arsenic. Carbolic Acid. Cocaine. Corrosive Sublimate. Cyanide of Mercury. Cyanide of Potassium. Hydrochloric Acid. Hydrocyanic Acid.														Nativity.	Illuminating Gas. Irritant Poison. Lead Poison. Opium. Morphine. Narcotic Poison. Nitric Acid. Oxalic Acid. Paris Green. Potassium. Strychnine. Sulphate of Copper. Swallowing Hairpins. Wood Alcohol. Total, by Sexes.														Total of Both Sexes.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.					
Austria-Hungary	3	..	1	10	..	2	..	2	..	..	8	4	..	..	1	..	..	..	..	..	..	..	..	..	..	..	25	9	34
Bohemia .....	..	..	..	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	5
British America.....	1	..	..	1	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	5
England	1	..	..	3	..	1	..	1	..	..	10	2	..	..	..	..	..	..	1	..	..	..	..	..	..	..	20	4	24
France .....	..	..	..	3	..	..	..	..	..	..	1	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	7	3	10
Germany	8	1	2	1	37	1	27	3	2	3	1	1	..	54	22	1	..	1	1	1	1	1	1	1	1	167	45	212		
Ireland	4	1	1	..	5	..	2	1	1	2	..	..	13	17	..	..	..	..	1	..	..	..	..	..	..	1	27	24	51
Italy	1	..	..	3	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	..	7
Russia .....	..	..	..	2	..	3	..	2	..	1	16	7	..	..	..	..	..	1	..	..	..	..	..	..	..	..	27	11	38
Other foreign countries...	2	..	..	14	..	6	1	1	..	..	8	8	..	1	..	..	..	1	..	..	..	..	..	..	..	..	43	10	53
United States	16	6	1	3	52	2	8	4	2	2	1	75	60	1	1	28	20	..	1	1	2	..	1	1	1	1	1	187	104	291
Unknown	1	..	2	..	18	..	7	23	12	1	7	2	..	1	1	61	14	75		
Total.....	36	9	6	5	148	3	58	9	10	9	1	2	1	211	134	1	1	1	1	1	1	1	1	1	1	1	1	579	226	805		

* The 805 suicides in The City of New York occurred in the boroughs as follows: Manhattan, 462; The Bronx, 59; Brooklyn, 234; Queens, 32; Richmond, 18.

	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	City of New York.		Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	City of New York.
Fractures and Contusions.							Illuminating gas	167	9	74	7	1	258
Crushed by boats, bridges, etc..	1	..	..	2	..	3	Gasolene .....	..	..	1	..	..	1
Crushed by elevator	26	1	4	..	..	31	Irritant poison	5	1	1	..	..	7
Crushed by machinery	5	1	14	1	4	25	Morphine	7	1	1	..	..	9
Crushed by other means	33	4	8	..	1	46	Opium	4	..	4	1	..	9
Diving	1	..	1	..	..	2	Oxalic acid	2	..	..	..	..	2
Jumped from burning building...	6	..	..	..	..	6	Paris green	1	..	..	..	..	1
Struck by falling derrick	1	1	..	..	..	2	Ptomaines	9	..	3	..	..	12
Struck by falling stone from blast.	..	1	..	..	..	1	Soothing syrup	1	..	..	..	..	1
Struck by other falling bodies....	26	4	14	3	..	47	Strychnine .....	..	..	1	..	..	1
Not defined by Coroners	157	..	25	4	1	187	Stramonium .....	..	..	1	..	..	1
Falls.							Sulphuric acid	1	..	..	..	..	1
From bridge	2	1	..	..	..	3	Wood alcohol	3	..	1	..	..	4
From building	64	7	12	1	..	84	Wounds.						
From fire-escape	21	3	1	..	..	25	Gunshot	7	..	2	..	..	9
From scaffold	17	2	15	1	1	36	Incised	5	..	2	..	..	7
From window	52	9	31	1	1	94	Lacerated	4	..	6	..	1	11
Down air-shaft	11	2	2	..	..	15	Others	1	..	4	..	..	5
Down areaway	3	..	1	1	..	5	Not specified by Coroners	1	..	..	..	..	1
Down elevator shaft	14	..	2	..	..	16	Circumcision	6	..	3	..	..	9
Down hatchway	3	..	..	..	..	3	Caisson	1	..	..	..	..	1
Down stairs	44	5	50	4	2	105	Criminal abortion	6	3	8	..	..	17
On ship	5	..	11	..	2	18	Electric current	5	3	12	1	4	25
On sidewalk	15	..	15	1	1	32	Neglect and exposure	2	..	4	..	1	7
Others	38	13	56	2	1	110	Sunstroke	66	10	59	4	3	142
Not defined by Coroners	76	5	..	..	..	81	Surgical operations	27	..	..	..	..	27
Street Vehicles.							Total	1,825	207	858	141	95	3,126
Run over by automobile	8	..	3	..	1	12	Recapitulation.						
Run over by trucks, wagons, etc..	142	10	23	9	..	184		Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	City of New York.
Fall from wagons, trucks, etc....	24	4	14	1	..	43	Fractures and contusions	256	12	66	10	6	350
Fall, knocked down by or thrown from bicycle	1	..	1	1	..	3	Falls	365	47	196	11	8	627
Burns.							Vehicles	185	14	41	11	1	252
Explosion of lamp	5	..	10	1	..	16	Burns and scalds	241	16	123	15	11	406
In burning buildings, boats, etc..	59	..	7	..	5	71	Explosions	6	3	6	1	..	16
Oil or gas stoves	5	5	8	3	1	22	Railroads	106	40	68	55	17	286
Other causes	13	6	67	5	4	95	Drowning	221	34	128	21	39	443
Not defined by Coroners	120	..	2	1	..	123	Poison	270	12	104	8	1	395
Scalds.							Suffocation	34	12	20	4	3	73
Escaping steam .....	..	..	2	..	1	3	Wounds	18	..	14	..	1	33
Hot fluids	25	5	27	3	..	60	Horses	10	1	6	..	..	17
Not specified by Coroners	24	..	..	2	..	26	Criminal abortion	6	3	8	..	..	17
Explosions.							Sunstroke	66	10	59	4	3	142
Explosive compounds	3	1	6	1	..	11	Neglect and exposure	2	..	4	..	1	7
Gases	2	2	..	..	..	4	Surgical operations	27	..	..	..	..	27
Steam boilers, pipes, etc	1	..	..	..	..	1	Electric current	5	3	12	1	4	25
Drowning.							Circumcision	6	..	3	..	..	9
In tubs, pails, etc .....	..	..	1	2	..	3	Caisson disease	1	..	..	..	..	1
In rivers, bays, etc	221	34	127	19	39	440	Total	1,825	207	858	141	95	3,126
Horses.							Deaths in Institutions for Year of 1903.						
Kicked by	5	..	3	..	..	8	BOROUGH OF MANHATTAN.						
Runaways, falls, etc	5	1	3	..	..	9	Almshouse	523					
Suffocation.							Babies' Hospital	194					
Caving in of embankment	2	..	2	..	..	4	Bellevue Hospital	2,163					
Food in larynx	1	..	3	..	..	4	Beth Israel Hospital	182					
Foreign body in larynx	8	1	5	..	..	14	City Hospital	369					
In burning buildings .....	..	..	2	..	..	2	Columbus Hospital	41					
Overlaid in bed	10	2	5	2	..	19	Flower Hospital	145					
Others	9	8	3	1	2	23	Foundling Asylum	731					
Not specified by Coroners	4	1	..	1	1	7	French Hospital	56					
Killed by Railroads.							General Memorial Hospital	41					
Elevated railroad	17	2	7	..	..	26	German Hospital	204					
Trolley cars	25	13	54	6	17	115	Gouverneur Hospital	347					
Steam railroads	8	22	5	45	..	80	Hahnemann	33					
Cars not specified	56	3	2	4	..	65	Harlem Hospital	312					
Poisons.							Home for Aged (Little Sisters of Poor)	82					
Alcohol	1	..	2	..	..	3	Home for Aged and Infirm Hebrews	30					
Ammonia	5	..	1	..	..	6	House of Relief	251					
Arsenic	2	..	..	..	..	2	Immigrants' Hospital	48					
Bichloride of mercury	1	..	1	..	..	2	Infants' Hospital, Randall's Island	96					
Bug mixture	1	..	..	..	..	1	Lying-in Hospital	138					
Carbolic acid	43	1	10	..	..	54	Manhattan State Hospital	402					
Caustic potash	2	..	..	..	..	2	Maternity Hospital	57					
Chloral hydrate	3	..	..	..	..	3	Metropolitan Hospital	881					
Chloroform	6	..	2	..	..	8	Montefiore Home	99					
Colechicum	1	..	..	..	..	1							
Creosote .....	..	..	1	..	..	1							
Ether	2	..	..	..	..	2							
Hydrochloric acid	3	..	..	..	..	3							

Mount Sinai Hospital	325
New York Hospital	432
New York Infant Asylum	95
New York Infirmary for Women and Children	46
Nursery and Child's Hospital	107
Polyclinic Hospital	46
Post Graduate Hospital	327
Presbyterian Hospital	465
Randall's Island Hospital	85
Reception Hospital	78
Roosevelt Hospital	454
St. Francis' Hospital	206
St. Luke's Hospital	265
St. Mark's Hospital	80
St. Mary's Hospital	40
St. Vincent's Hospital	364
Skin and Cancer Hospital	4
Sloane Maternity Hospital	97
Trinity Hospital	14
Willard Parker Hospital	355
Workhouse Hospital	65
Wright Memorial Hospital	162
Other Institutions	399

Total

BOROUGH OF THE BRONX.

Catholic Protectory	4
Fordham Hospital	115
Hebrew Infant Asylum	6
Home for Incurables	55
House of Nazareth	10
Lincoln Home and Hospital	314
Lebanon Hospital	202
Odd Fellows' Home	10
Riverside Hospital	261
St. Joseph's Hospital	606
St. Joseph's Home	2
Seton Hospital	209
Workhouse (Branch, Hart's Island)	12
Other Institutions	30

Total

BOROUGH OF BROOKLYN.

Almshouse	277
Brooklyn Maternity	15
Brooklyn Hospital	257
Bushwick Hospital	60
Cumberland Hospital	221
Eastern District Hospital	77
German Evangelical Home	36
German Hospital	126
Home for Aged (Little Sisters of Poor)	90
Home for Consumptives	155
House of Good Shepherd	8
Infants' Hospital and Brooklyn Nursery	32
Kings County Hospital	815
Kings County Jail	7
Kingston Avenue Hospital	175
Long Island College Hospital	201
Long Island State Hospital	78
Lutheran Hospital	21
Methodist Episcopal Hospital	171
Memorial Hospital	35
Norwegian Hospital	98
St. Catharine's Hospital	350
St. Christopher's Hospital	10
St. John's Hospital	79
St. Mary's Hospital	216
St. Peter's Hospital	410
Williamsburg Hospital	29
Other Institutions	277

Total

BOROUGH OF QUEENS.

Coombe's Sanitarium	11
Flushing Hospital	41
Jamaica Hospital	29
Mary Immaculate Hospital	20
Queens County Jail	5
Rivercrest Sanitarium	24
Sanford Hall	2
St. John's Hospital, Long Island City	189
Other Institutions	13

Total

BOROUGH OF RICHMOND.

Almshouse	15
Mariners' Family Asylum	5
Mt. Loretto	10
Nursery and Child's Hospital	12
Quarantine Hospitals	4
Sailors' Snug Harbor	73
Seaside Hospital	45
S. R. Smith's Infirmary	159
United States Marine Hospital	43
Other Institutions	7

Total

Recapitulation.

Almshouses	815
Homes for Aged	464
Hospitals	15,202
Institutions for Children	1,601
Institutions for Insane	517
Prisons	148
Other Institutions	90

Total

Births by Nativities of Parents.

Country.	Manhattan.		The Bronx.		Borough of Brooklyn.		Queens.		Richmond.		N. Y. City.	
	Nativity of Both Parents.	Nativity of Mother Only.	Nativity of Both Parents.	Nativity of Mother Only.	Nativity of Both Parents.	Nativity of Mother Only.	Nativity of Both Parents.	Nativity of Mother Only.	Nativity of Both Parents.	Nativity of Mother Only.	Nativity of Both Parents.	Nativity of Mother Only.
Austro-Hungary	6,089	926	109	48	640	180	47	16	21	1	6,906	1,171
Bohemia	600	145	7	9	6	2	50	15	..	..	663	171
British America	76	159	15	31	72	107	15	10	4	4	182	311
England	226	536	48	82	138	349	18	54	30	15	460	1,036
France	121	100	4	14	6	22	21	8	3	..	155	144
Germany	2,636	979	581	262	1,944	623	459	169	141	25	5,761	2,058
Ireland	3,870	1,681	337	212	1,485	782	149	116	119	56	5,960	2,847
Italy	9,912	142	606	15	3,704	32	274	1	129	2	14,625	192
Russia and Poland	8,799	535	289	29	2,251	137	77	9	46	2	11,462	712
Scotland	72	139	21	23	71	101	18	28	5	6	187	297
Sweden	266	138	91	24	473	125	23	16	49	5	902	308
Switzerland	50	89	13	14	12	18	5	12	..	3	80	136
United States	11,872	4,011	2,400	676	10,630	2,485	1,736	408	680	162	27,318	7,742
Other foreign countries	1,492	390	60	31	747	149	24	24	13	4	2,336	598
Unknown	16	11	1	1	1	..	..	..	5	..	23	12
Total	46,097	9,981	4,582	1,471	22,180	5,112	2,916	886	1,245	285	77,020	17,735

Disposition of the Dead, and of Still-born Infants in The City of New York.

Cemetery.	Manhattan.		Borough of The Bronx.		Borough of Brooklyn.		Queens.		Richmond.		New York City.	
Acacia	108	..	..	..	108	..
Aqueduct	1	..	..	..	1	..
Astoria	20	..	..	..	20	..
Bayside	551	..	..	..	551	..
Baron Hirsch	77	..	77	..
Bethel	47	..	47	..
Calvary	18,592	..	..	..	18,592	..
Canarsie	50	..	..	..	50	..
Cedar Grove	607	..	..	..	607	..
City	4,642	..	..	..	..	..	4,642	..
County Farms	1,128	..	..	45	..	1,173	..
Cypress Hills	694	1,052	..	..	..	1,746	..
Douglaston	3	..	..	..	3	..
Evergreens	955	3,254	..	..	4,209	..
Fairview	96	..	96	..
Flatlands	3	..	..	..	3	..
Flushing	287	..	..	..	287	..
Fountain	19	..	19	..
Friends	24	..	..	..	24	..
Gravesend	14	..	..	..	14	..
Greenwood	4,365	..	..	..	..	4,365	..
Grace Church
Hillside	12	..	12	..
Holy Cross	5,231	..	..	..	5,231	..
Holy Trinity	1,651	..	..	..	1,651	..
Jamaica	13	..	..	13	..
Little Neck	5	..	..	5	..
Lake	75	..	75	..
Linden Hill	1,960	..	..	..	1,960	..
Long Island State Hospital	4	..	..	..	4	..
Lutheran	5,836	..	3	..	5,839	..
Machpelah	241	..	..	..	241	..
Maimonides	104	..	..	..	104	..
Maple Grove	215	..	..	..	215	..
Marble	13	..	..	..	..	..	..	13	..
Monell	1	..	1	..
Moravian	259	..	259	..
Mount Zion	2,004	..	..	..	2,004	..
Mount Nebo	127	..	..	..	127	..
Mount Olivet	2,013	..	..	..	2,013	..
Mount Loretto	8	..	8	..
Mount Hope	101	..	..	..	101	..
New Springville	10	..	10	..
New Union Fields	194	25	..	219	..
Nursery and Child's Hospital	3	..	3	..
Paulist Fathers	1	..	..	..	..	..	..	1	..
Springfield	27	..	..	..	27	..
Sailors' Snug Harbor	59	..	59	..
Salem Fields	192	..	..	..	192	..
Sandy Hill	4	..	4	..

Cemetery.	Borough of					New York City.
	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	
St. Andrew's	1	1
St. John's	1,884	....	1,884
St. Joseph's	15	15
St. Luke's	7	7
St. Mark's Churchyard.....	1	....	....	....	....	1
St. Mary's	155	9	164
St. Mary's, Third Ward.....	29	29
St. Mary's, Fourth Ward.....	98	98
St. Michael's	1,534	3	1,537
St. Monica's	48	....	48
St. Peter's	268	295
St. Raymond's	1,623	....	....	....	1,623
Silver Lake	1,266	1,266
Silver Mount	83	83
Staten Island	20	20
Sylvan	17	17
Trinity	107	....	....	....	....	107
Trinity Churchyard	11	....	....	....	....	11
Union Fields	437	....	437
United States Crematory.....	715	....	715
Vaughn	4	4
Washington	2,857	3	....	2,860
Woodhaven	5	....	5
Woodland	141	141
Woodlawn	1,766	....	....	....	1,766

Cemetery.	Borough of					New York City.
	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	
Woodrow Church .....	....	....	....	....	11	11
West Baptist .....	....	....	....	....	5	5
Total	135	8,058	17,373	41,890	2,720	70,176

Deaths of Persons 100 Years of Age and Over.

Date of Death.	Name.	Age.			Nativity.	Cause of Death.	Borough of			
		Years.	Months.	Days.			Manhattan.	The Bronx.	Brooklyn.	New York City.
1903.										
Jan. 21	Cohn, Esther.....	105	..	..	Russia.....	Senility.....	..	..	1	1
Apr. 30	Bates, Eliza.....	103	..	..	United States	Senility.....	..	1	..	1
May 30	Davis, Barnet.....	100	..	..	Russia.....	Dilatation heart....	..	..	1	1
Nov. 3	McNally, Margaret...	100	..	..	Ireland.....	Senility.....	1	..	..	1
Nov. 10	Schneiderman, Charles	100	..	..	Russia.....	Senility.....	1	..	..	1
Nov. 14	Harrison, Maria.....	100	..	..	England.....	Heart disease.....	..	..	1	1
Nov. 19	O'Brien, Nora.....	102	..	..	Ireland.....	Senility.....	1	..	..	1
Nov. 27	Cohen, Hannah R....	100	..	..	Russia.....	Senility.....	1	..	..	1
Nov. 28	Mitnitsky, Isaac.....	105	..	..	Russia.....	Senility.....	..	..	1	1
Dec. 11	Price, Isaac	101	8	17	United States	Apoplexy.....	..	..	1	1
Dec. 12	Morgan, Mary.....	100	..	..	United States	Senility.....	1	..	..	1
Total.....							5	1	5	11

Report of Births for the Year Ending December 31, 1903, City of New York.

	Total.	White.		Colored.		Native Parents.		Foreign Parents.		Mixed Parentage.		Unknown Parentage.		Attended by Physician.	Attended by Midwives.
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
January	8,038	4,037	3,858	63	80	1,139	1,129	2,357	2,238	563	537	41	34	4,280	3,758
February	7,574	3,774	3,677	75	48	1,172	1,115	2,133	2,064	514	520	30	26	4,257	3,317
March	8,169	4,086	3,931	83	67	1,206	1,237	2,370	2,171	558	552	36	38	4,592	3,576
April	7,487	3,692	3,663	63	69	1,096	1,023	2,120	2,188	508	489	31	32	4,056	3,431
May	6,729	3,315	3,252	84	78	1,012	996	1,912	1,854	444	443	31	37	3,598	3,131
June	8,446	4,192	4,112	66	76	1,297	1,270	2,352	2,312	582	574	27	32	4,705	3,741
July	8,266	4,174	3,966	59	67	1,163	1,118	2,456	2,327	583	563	31	25	4,532	3,734
August	8,460	4,346	3,978	71	65	1,269	1,131	2,506	2,311	618	576	24	25	4,667	3,793
September	8,093	4,049	3,908	65	71	1,183	1,126	2,336	2,236	561	594	34	23	4,468	2,825
October	8,133	4,064	3,946	59	64	1,120	1,099	2,404	2,307	569	574	30	30	4,432	3,701
November	7,423	3,784	3,522	67	50	1,070	947	2,252	2,096	500	496	29	33	4,046	3,377
December	7,937	3,977	3,814	72	74	1,142	1,092	2,316	2,263	562	503	29	30	4,292	3,645
Total.....	94,755	47,492	45,627	827	809	13,869	13,283	27,515	26,367	6,562	6,421	373	368	51,945	42,810

Report of Marriages for the Year Ending December 31, 1903, City of New York.

	Total.	White.		Colored.		Native.		Foreign.		Single.		Widowed.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
January.....	3,363	3,263	3,263	100	100	1,435	1,531	1,928	1,832	3,002	2,042	361	321
February.....	2,930	2,838	2,844	92	86	1,287	1,385	1,643	1,555	2,620	2,666	310	264
March.....	2,697	2,615	2,615	82	82	1,177	1,255	1,520	1,442	2,380	2,423	317	274
April.....	3,214	3,123	3,123	91	91	1,435	1,545	1,779	1,669	2,832	2,911	382	303
May.....	2,412	2,334	2,337	78	75	1,067	1,162	1,345	1,250	2,140	2,166	272	246
June.....	4,268	4,128	4,129	140	139	2,036	2,174	2,232	2,094	3,835	3,897	433	371
July.....	2,907	2,805	2,807	102	100	1,426	1,519	1,481	1,388	2,567	2,604	340	303
August.....	2,603	2,535	2,536	68	67	1,136	1,211	1,467	1,392	2,254	2,317	349	286
September....	3,207	3,102	3,107	105	100	1,500	1,670	1,707	1,537	2,843	2,901	364	306
October.....	3,436	3,330	3,332	106	104	1,679	1,787	1,757	1,649	3,030	3,075	406	361
November....	3,582	3,475	3,476	107	106	1,632	1,747	1,950	1,835	3,200	3,217	382	365
December....	3,555	3,450	3,451	105	104	1,489	1,648	2,066	1,907	3,150	3,221	405	334
Total..	38,174	36,998	37,020	1,176	1,154	17,290	18,624	20,884	19,550	33,853	34,440	4,321	3,734

Table of Maximum, Minimum and Mean Temperature and Rainfall in the Vicinity of The City of New York at Fort Columbus, from 1822 to 1854; Deaf and Dumb Asylum from 1855 to 1868, and New York Observatory, Central Park, from 1869 to Date.

(Figures furnished by Daniel Draper, Ph. D., Director of Central Park Observatory.)

Year.	Temperature—Fahr.					Rainfall, in Inches (Including Snow Water).					Depth of Snow (Inches).
	Maximum.	Month.	Minimum.	Month.	Mean.	Maximum.	Month.	Minimum.	Month.	Total.	
1822.....	100	July..	—1	Jan..	54.2	....	....	....	....	....	....
1823.....	91	July..	3	{ Feb... Mar.. }	50.5	....	....	....	....	....	....
1824.....	96	July..	2	Feb..	52.1	....	....	....	....	....	....
1825.....	104	July..	—3	Dec..	54.4	....	....	....	....	....	....
1826.....	97	July..	—1	Jan..	52.5	....	....	....	....	....	....
1827.....	96	July..	0	Jan..	51.8	....	....	....	....	....	....
1828.....	99	July..	9	Jan..	54.	....	....	....	....	....	....
1829.....	95	July..	7	Jan..	52.5	....	....	....	....	....	....
1830.....	98	July..	5	Jan..	54.8	....	....	....	....	....	....
1831.....	98	Aug....	8	Jan..	51.6	....	....	....	....	....	....
1832.....	97	Aug....	1	Jan..	51.5	....	....	....	....	....	....
1833.....	94	July..	8	Mar..	51.5	....	....	....	....	....	....
1834.....	94	{ July... Aug.... }	6	Dec..	51.	....	....	....	....	....	....

Year.	Temperature—Fahr.				Rainfall, in Inches (Including Snow Water).				Total.	Depth of Snow (Inches).
	Maximum. Month.	Minimum. Month.	Mean.	Month.	Maximum. Month.	Minimum. Month.	Month.	Month.		
1835.....	89 { July... } { Aug... }	—1 Jan...	49.6	.....	.....	.....	.....	.....	.....	.....
1836.....	89 { July... } { Sept.. }	0 Feb...	47.6	6.46	June..	.63	May..	27.57	.....	.....
1837.....	86 { July... } { Aug... }	10 { Jan... } { Feb... }	49.1	9.50	May..	2.10	Sept..	65.51	.....	.....
1838.....	94 { July... } { Aug... }	13 Feb...	50.3	4.96	Sept..	1.83	July..	41.90	.....	.....
1839.....	86 July..	6 Jan...	51.2	7.61	Dec...	.69	Jan...	42.97	.....	.....
1840.....	91 June..	2 Jan...	51.2	4.59	Oct...	1	Dec...	29.80	.....	.....
1841.....	92 June..	9 Jan...	51.2	5.30	Jan...	.80	Feb...	42.08	.....	.....
1842.....	85 { July... } { Sept.. }	16 { Jan... } { Feb... }	53.4	4.30	Oct...	1.07	Jan...	33.98	.....	.....
1843.....	93 { July... } { Aug... }	9 Feb...	51.4	15.26	Aug...	.76	June..	41.37	.....	.....
1844.....	92 June..	3 Jan...	52	6	July..	.55	April..	36.38	.....	.....
1845.....	99 July..	6 Feb...	53.3	4.87	Jan...	1.22	April..	34.08	.....	.....
1846.....	95 July..	5 Feb...	52.3	9.70	May..	.48	Sept..	48.91	.....	.....
1847.....	94 June..	12 { Feb... } { Nov... } { Dec... }	52.3	6.93	Aug...	1.53	April..	64.85	.....	.....
1848.....	91 { June... } { July... }	3 Jan...	52.3	7.28	May..	1.16	April..	36.80	.....	.....
1849.....	94 July..	0 Jan...	50.2	5.63	Oct...	.61	Jan...	31.74	.....	.....
1850.....	94 July..	9 Feb...	50.9	9.20	May..	2.33	Nov...	54.53	.....	.....
1851.....	93 July..	4 Dec...	52.1	6.94	April..	.90	June..	40.88	.....	.....
1852.....	93 July..	—2 Jan...	51.4	6.20	Aug...	2.06	Oct...	43.84	.....	.....
1853.....	98 June..	9 Jan...	52.2	6.80	Nov...	1.04	Dec...	52.20	.....	.....
1854.....	93 July..	5 Dec...	50.7	8.80	April..	.70	Mar...	45.18	.....	.....
1855.....	93 July..	—7 Feb...	50.7	7.37	Oct...	1.57	Sept..	51.76	.....	.....
1856.....	95 July..	—5 Jan...	50.5	6.73	Aug...	.66	Feb...	41.92	.....	.....
1857.....	90 Aug...	0 Jan...	52.1	9.05	April..	1.30	Nov...	53.88	.....	.....
1858.....	93 June..	—3 Feb...	53.1	6.42	June..	1.47	Mar...	52.87	.....	.....
1859.....	96 July..	—5 Jan...	53.1	8.21	Mar...	1.75	Oct...	57.28	.....	.....
1860.....	89 July..	—7 Feb...	52.9	7.57	Nov...	1.43	June..	45.17	.....	.....
1861.....	92 Aug...	—3 Feb...	53.8	8.09	Nov...	1.73	Dec...	56.52	.....	.....
1862.....	95 Aug...	8 Dec...	53.2	9.03	June..	1.91	Dec...	53.98	.....	.....
1863.....	90 June..	6 Feb...	54.2	8.60	July..	1.05	Sept..	57.03	.....	.....
1864.....	97 June..	8 Feb...	55.4	5.90	Dec...	2.04	Feb...	48.01	.....	.....
1865.....	95 July..	6 Jan...	55.5	10.42	June..	2.23	Aug...	62.86	.....	.....
1866.....	98 July..	—13 Jan...	52.1	10.09	Feb...	1.67	July..	51.68	.....	.....
1867.....	91 June..	4 Jan...	49.8	10.18	June..	.78	Sept..	54.61	.....	.....
1868.....	92 July..	0 Feb...	48.6	9.60	Sept..	2.01	Oct...	64.02	.....	.....
1869.....	94 Aug...	4 Mar...	51.4	6.87	Feb...	1.39	April..	46.47	30.67	.....
1870.....	94 June..	9 { Feb... } { Dec... }	53.5	5.11	April..	1.83	May..	42.12	25.49	.....
1871.....	92 May..	—2 Dec...	51.1	7.50	Oct...	2.07	Jan...	51.26	34.22	.....
1872.....	95 July..	3 { Mar... } { Dec... }	51.0	7.83	July..	1.29	Feb...	42.49	40.37	.....
1873.....	94 July..	—1 { Jan... } { Feb... }	50.9	9.56	Aug...	1.28	June..	47.99	40.93	.....
1874.....	98 June..	3 Feb...	51.3	8.77	April..	1.70	Oct...	45.83	35.62	.....
1875.....	93 June..	—3 Jan...	49.4	8.97	Aug...	1.33	May..	40.90	48.25	.....
1876.....	98 July..	3 Dec...	51.8	8.79	Mar...	.94	Jan...	41.77	30.74	.....
1877.....	92 July..	10 Mar...	52.7	8.14	Oct...	.68	Dec...	40.18	27.37	.....
1878.....	94 July..	7 { Jan... } { Feb... }	53.5	7.97	Aug...	1.97	April..	48.66	13.74	.....
1879.....	98 July..	—4 Jan...	52.3	7.95	Aug...	.43	Oct...	39.03	37.62	.....
1880.....	96 May..	—6 Dec...	53.2	8.53	July..	.62	May..	36.64	27.62	.....
1881.....	101 Sept..	—3 Feb...	52.3	5.81	Mar...	.86	Aug...	36.26	23.75	.....
1882.....	93 July..	—6 Jan...	51.9	16.85	Sept..	1.14	Aug...	45.30	20.14	.....
1883.....	95 July..	—1 Dec...	50.4	4.53	Oct...	1.49	Mar...	35.77	52.50	.....
1884.....	91 { June... } { Aug... } { Sept.. }	—3 Dec...	52.4	6.17	Dec...	.21	Sept..	52.25	31.50	.....
1885.....	99 July..	—2 Feb...	51.1	5.67	Aug...	.41	Sept..	38.34	23.25	.....
1886.....	94 July..	—4 Feb...	51.0	5.40	May...	.95	Aug...	39.38	31.00	.....
1887.....	96 July..	4 Jan...	50.9	7.76	June..	.34	May..	43.99	31.87	.....
1888.....	96 June..	0 Jan...	49.3	8.16	Sept..	1.53	July..	53.32	37.75	.....
1889.....	91 { May... } { June... }	3 Feb...	52.7	11.89	July..	1.10	Dec...	57.16	21.00	.....
1890.....	98 July..	7 Mar...	52.7	6.56	Oct...	.71	Nov...	45.63	29.63	.....
1891.....	98 Aug...	9 Mar...	58.8	6.12	Jan...	1.48	June..	39.55	17.37	.....
1892.....	97 July..	9 Jan...	51.8	7.14	Nov...	.59	Oct...	35.60	34.63	.....
1893.....	95 June..	1 Jan...	50.4	8.72	Aug...	1.13	July..	48.26	45.62	.....
1894.....	96 July..	1 Feb...	52.7	8.68	Sept..	.98	June..	41.01	35.25	.....
1895.....	97 Sept..	—4 Feb...	52.6	5.01	Jan...	.46	Feb...	35.37	22.75	.....
1896.....	98 Aug...	—5 Feb...	53.4	7.41	July..	.96	Jan...	41.96	64.00	.....
1897.....	93 { July... } { Sept.. }	6 Jan...	53.4	9.56	July..	.72	Oct...	44.55	31.75	.....
1898.....	100 July..	8 Feb...	54.5	6.72	May..	1.25	June..	47.90	35.25	.....
1899.....	95 { July... } { Aug... }	—6 Feb...	53.5	6.12	Sept..	1.09	Mar...	38.57	35.37	.....
1900.....	97 July..	5 Feb...	53.7	5.38	Feb...	2.01	Dec...	41.19	13.37	.....
1901.....	100 July..	8 Jan...	52.0	7.64	July..	.55	Feb...	48.69	10.62	.....
1902.....	90 July..	8 Dec...	52.8	7.16	Oct...	1.28	Nov...	52.77	42.74	.....
1903.....	95 July..	4 Feb...	52.4	13.31	Oct...	.30	May..	58.32	20.50	.....

DEPARTMENT OF DOCKS AND FERRIES.

TRANSACTIONS
OF THE
DEPARTMENT OF DOCKS AND FERRIES DURING THE WEEK ENDING MARCH 16, 1905.

The following privileges were granted, to continue until April 30, 1905, unless sooner revoked:

March 10. Edward A. Hall—
To moor swimming bath in front of the Battery wall, rental to be at the rate of \$250 per month, payable at the end of each month to the Cashier.March 10. James Wade—
To maintain watchman's shanty on the Pier foot of West Forty-fourth street, North river, rental to be at the rate of \$2 per month, payable monthly in advance to the Dock Master.

The following permits were granted:

March 10. Chesebro Brothers—
To erect and maintain awning shed 15 feet wide by 45 feet long on bulkhead adjoining the inner end of Pier, new 19, East river, during the pleasure of the Commissioner, the consent of the lessee of said pier having been obtained.March 10. Ravitch Brothers—
To erect and maintain a one-story brick building north of East One Hundred and Thirty-sixth street, Harlem river, Borough of Manhattan, in accordance with plans submitted as amended, the structure to remain during the pleasure of the Commissioner.March 10. New York Central and Hudson River Railroad Company—
To dredge in the half slips adjoining the Pier near the foot of One Hundred and Twenty-sixth street, Harlem river, to make sundry repairs to said pier and to erect a runway from the bulkhead to the said pier, the runway to remain only during the pleasure of the Commissioner.March 10. Consolidated Telegraph and Electrical Subway Company—
To open the granite pavement at the approaches to Piers, old 50, 51 and 52, East river, for the purpose of making electric light connections to said piers.March 11. Southern Pacific Company—
To enlarge ticket office and waiting room on Pier, new 25, North river.March 11. Manhattan Transport Company—
To dredge at the dumping board between Ninety-fourth and Ninety-fifth streets, East river.March 11. Harlem Contracting Company—
To place hoisting tower and plant for the handling of stone between Two Hundred and First and Two Hundred and Second streets, Harlem river, Borough of Manhattan, in accordance with plans submitted.March 13. Richard P. Coen—
To maintain dumping board between Elm and Temple streets, Astoria, Borough of Queens, in accordance with plans submitted, the consent of the owners of the property, having been obtained.March 14. Joseph Paul—
To construct runway between the right of way of the Long Island Railroad Company and the premises occupied by him under permit at Goose creek, Jamaica Bay, Borough of Queens, the runway to remain during the pleasure of the Commissioner.March 14. Jamaica Bay Yacht Club—
To erect a sheet pile bulkhead and to fill in in rear of same and to construct a yacht basin commencing at a point 100 feet east of Holland avenue, Jamaica Bay, Borough of Queens, and extending easterly a distance of 835 feet, in accordance with plans submitted.March 15. Ravitch Brothers—
To repair the northerly bulkhead return at the foot of One Hundred and Thirty-sixth street, Harlem river, within existing lines.The following privileges were revoked:
March 13. James Cunningham, for the occupation of space between Fourteenth and Fifteenth streets, North river, to take effect as of January 31, 1905, the date on which the premises were vacated, as per report of the Superintendent of Docks.

March 13. City Waste Disposal Company, for the occupation of space between Fourteenth and Fifteenth streets, North River, to take effect as of November 10, 1904, the date of issuance, the company never having availed itself of the privilege.

March 13. Rockaway White Sand Company, for the storage of sand on land, in rear of bulkhead, between Piers 47 and 48, North river, to take effect March 31, 1905, as per recommendation of the Auditor.

March 13. A. E. Brooks, for the occupation of space between Twenty-third and Twenty-fourth streets, East river, and between Fifty-first and Fifty-second streets, North river, the former revocation to take effect March 31, 1905, and the latter to take effect April 30, 1905, as per recommendation of the Auditor.

March 13. Cusick & Ryan, for the occupation of space in rear of bulkhead between Forty-ninth and Fiftieth streets, North river, and in rear of bulkhead between Seventy-ninth and Eightieth streets, North river, both to take effect March 31, 1905, as per recommendation of the Auditor.

March 13. Cusick & Ryan, credit account revoked, the Auditor reporting the failure to pay accrued wharfage promptly.

March 15. John A. Philbrick & Bro., for the occupation of space between One Hundred and Thirty-ninth and One Hundred and Fortieth streets, Harlem river, to take effect as of March 3, 1905, the date on which the premises were vacated, as per report of the Auditor on communication from the said occupants; the sum of \$47.67 paid as rental for the premises from March 4 to April 30, 1905, to be credited on any rental hereafter to become payable by said firm to this department.

On March 10, 1905, bids were received and opened for preparing for and removing the present Pier, old No. 19, East river, Borough of Manhattan, and for building a new pier to be known as Burling Slip Pier West, No. 15, East river, under Contract No. 897, the bids being as follows:

	Class I.		Class II.	Class III.	Total.
	1. Removing Pier, Old 19, East River.	2. 17,700 Cubic Yards Dredging Thereat.	Building Pier 15, East River.	4,600 Cubic Yards Rip-rap.	
W. H. Jenks.....	\$2,500 00	\$0 37½	\$48,650 00	\$0 45	\$59,857 50
G. B. Spearin.....	2,500 00	37½	48,629 00	43½	59,767 50
R. P. and J. H. Staats.....	2,700 00	50	44,500 00	47	58,212 00
Snare & Triest Company.....	1,800 00	29	47,860 00	45	56,863 00
Bernard Rolf	100 00	60	46,733 00	40	59,293 00

Contract awarded, March 10, 1905, to the Snare & Triest Company, the lowest bidder, subject to the approval of E. A. Sheble and Joel Allen as sureties by the Comptroller.

On March 10, 1905, bids were received and opened for obtaining 750 tons of anthracite coal under Contract No. 902, the bids being as follows:

William Farrell & Son, \$5.92 per ton.

John H. Meyer, \$5.97 per ton.

Contract awarded, March 10, to William Farrell & Son, the lowest bidders, subject to the approval of the Empire State Surety Company as surety by the Comptroller.

On March 13, 1905, bids were received and opened for preparing for and removing the present ferry structures at St. George, Staten Island, Borough of Richmond, and for building new ferry structures, other than ferry houses, in connection with the new Staten Island ferry terminals, and for dredging thereat, under Contract No. 896, the bids being as follows:

	Seely-Taylor Company.	George B. Spearin.	Bernard Rolf.	George W. Rogers.
Class I.—				
4,000 cubic yards dredging.....	\$4,000 00	\$9,200 00	\$12,000 00	\$32,000 00
Class II.—				
Building ferry structures.....	350,000 00	451,067 00	493,333 00	505,000 00
Class III.—				
(1) 5,000 cubic yards rip-rap.....	3,500 00	3,500 00	2,500 00	2,750 00
(2) 3,700 cubic yards cobble.....	3,700 00	3,700 00	3,330 00	2,590 00
Class IV.—				
50,000 feet, B. M., lumber.....	5,000 00	1,600 00	1,250 00	4,000 00
Totals.....	\$366,200 00	\$469,067 00	\$512,413 00	\$546,340 00

Decision as to awarding the contract was reserved by the Commissioner at the time of the opening of the bids.

On March 14, 1905, a communication was received from the Seely-Taylor Company withdrawing its bid, and on March 15 the company was notified that it had no right to withdraw the bid, and that, if the contract is hereafter awarded the work must be done in accordance therewith.

The following communications were received, action being taken thereon as noted:

From the Board of Estimate and Apportionment—

Transmitting certified copy of resolution adopted March 10, 1905, recommending to the Board of Aldermen the establishment of the position of Superintendent of Docks, at the rate of \$3,300 per annum. Filed March 15.

From the Finance Department—

1. Stating that the Comptroller's certificates have been attached to Contract No. 895, Class I., for cobble, and to Contract No. 895, Class II., for rip-rap. Filed March 11.

2. Stating that on March 8, 1905, the sum of \$200,000 was deposited in the City Treasury to the credit of the Dock Fund. Filed March 11.

3. Approving sureties on the estimate of William Farrell & Son for furnishing coal under Contract No. 902. Contract ordered executed March 13.

From the Law Department—

1. Approving form of Contract No. 900 for building Fulton Street Pier, East, No. 17, East river, and form of Contract No. 898 for building lateral extension at westerly side of Pier, new 32, East river. Contracts ordered advertised March 13.

2. Stating that there is no provision of the Charter which would authorize the acquisition of additional property in the proceeding for the acquisition of property for bridge purposes at the foot of Fordham road, Harlem river, Borough of The Bronx, without the consent of the Commissioner of Bridges, and the subsequent approval of the Board of Estimate and Apportionment. Filed March 14.

3. Advising that the oaths of the Commissioners in proceedings for the acquisition of title to Piers, old Nos. 9, 10, 16 and 17, East river, were filed in the office of the County Clerk on March 13, 1905. Filed March 16.

4. Suggesting that no action be taken toward entering into a contract for the dredging of Cromwell's creek, Harlem river, for the present. Filed March 16, and the printing of Contract No. 812 ordered held in abeyance, as per suggestion of the Corporation Counsel.

From the Erie Railroad Company—

1. Requesting, on behalf of the J. C. Bogert Company, permission to erect a small store-house on the Pier foot of West Forty-ninth street, North river. Denied March 13.

2. Accepting the lease of Pier, new 7, East river, widened and extended as proposed, with adjoining half bulkheads, but asking that a rebate be allowed in the present rental of the pier during the work of construction. On March 14 the request for a rebate in the present rental was denied. A new plan, increasing the width of the pier ten feet on its north side, was adopted and submitted to the Commissioners of the Sinking Fund for approval, and the Commissioners of the Sinking Fund were also requested to authorize the execution of a lease to the Erie Railroad Company of the Counties Slip Pier No. 7, East river, as it will exist when widened and extended, together with the adjoining half bulkheads, for a term of ten years from the first day of the month following the date when the bulkhead wall within the area proposed to be leased, and the proposed new Pier No. 7 shall be completed and ready for occupation, at a rental of \$25,000 per annum, the lease to include the use of the shed now on the pier and the lessee to have the privilege of constructing, reconstructing and maintaining sheds on the pier, such shed or sheds to revert to and become the property of the City free from all incumbrances upon the expiration or sooner termination of the lease; the lease to provide for an option of two renewal terms of ten years each at advances of 5 per cent. in the rental on each renewal term. The lease not to contain any privilege for the shedding of the bulkheads.

From Frank J. McGann—

Requesting permission to place slot machines on the Battery wharf. Denied March 14.

From Owens & Co.—

Offering a rental of \$1,000 per annum for a lease of the bulkhead at the foot of Forty-seventh street, East river. Commissioners of the Sinking Fund requested, March 14, to authorize the execution of a lease of the bulkhead to Owens & Co. for a term of five years from May 1, 1905, at a rental of \$1,000 per annum, with the privilege of a renewal term of five years at an advance of 10 per cent. over the rental for the first term.

From John C. Shaw, attorney for owners—

Stating that no filling is being done between One Hundred and Forty-second and One Hundred and Forty-third streets, or between One Hundred and Forty-seventh and One Hundred and Forty-eighth streets, Harlem river, Borough of Manhattan. Filed March 14, and Dock Superintendent directed to prevent any filling at the localities named unless permit be first granted therefor.

From the Union Ferry Company of New York and Brooklyn—

In relation to the operation of the Hamilton, South, Wall, Fulton and Catharine ferries on the East river. Filed March 15.

From the New York City Railway Company—

Transmitting check for \$25 in settlement of the claim against the said Company for damage to the Department's locomobile. Check forwarded to the Locomobile Company of America, March 15, to cover the cost of repairs made to the locomobile.

From the Brooklyn Ferry Company of New York—

In relation to its operation of the ferry from the foot of Grand street, Borough of Manhattan, to the foot of Broadway, Borough of Brooklyn. Filed March 15.

From E. E. Olcott—

Requesting lease of the portion of the West One Hundred and Twenty-ninth Street Pier, North river, not already occupied by him. Denied March 16.

From the Superintendent of Docks—

Submitting specifications and form of contract for sprinkling the new made land along the water front under the control of this Department for the year 1905. Approved and ordered printed March 10 as contract No. 910.

From the Engineer-in-Chief—

1. Recommending that the City Postmaster be requested to have a letter box placed at the southwest corner of Twenty-fourth street and Avenue A for the accommodation of the Department Yard at the foot of Twenty-fourth street, East river. Request made, March 10, as per recommendation.

2. Submitting, on Bureau Order No. 2822, plans, specifications and form of contract for building a new pier, to be known as Beekman Street Pier, No. 18, East river. Approved March 14, and ordered printed as Contract No. 911.

3. Reporting that the work of dredging under Contract No. 881 was commenced March 14, 1905. Filed March 14.

4. Recommending that Ryan & Parker, as successors of Shanley & Ryan, be directed to remove temporary platform located at the foot of Delancey street, East river, the permit for the platform having been revoked November 11, 1903, and the use thereof having been discontinued. Ryan & Parker so notified March 16.

The following orders were issued to the Engineer-in-Chief:

March 15. To repair the West Fiftieth Street Pier, North river, as per recommendation.

March 16. To repair the south dock at Hart's Island and the landing float at City Island, as requested by the Department of Correction.

March 16. To remove to the south side of One Hundred and Thirty-fifth street, on the east side of Mott Haven Canal, the Dock Master's office, heretofore located on the north side of West One Hundred and Thirty-fifth street, west of the canal, as requested by Caggiano & Carlucci.

The Engineer-in-Chief reported the following work superintended under Bureau Orders:

No. 1008. Erection of coal handling plant, adjoining southerly side of Forty-eighth street, North river, by D. Grieme Coal Company.

No. 2857. Dredging in vicinity of Bush avenue, Mariner's Harbor, Borough of Richmond, by Hecker-Jones-Jewell Milling Company.

No. 2896. Location of house on Lots Nos. 5, 6 and 7 of Block 7, at Broad Channel, Jamaica Bay, Borough of Queens, by H. L. C. Wenk.

No. 2906. Location of house on Lots Nos. 2A and 3A of Block 19, near Broad Channel, Jamaica Bay, Borough of Queens, by Friendly Five Rod and Gun Club.

No. 2899. Location of house on Lot No. 138, near Goose Creek, Jamaica Bay, Borough of Queens, by Joseph Paul.

No. 2956. Location of house on Lot No. 7, Block 4, near Shad creek, Jamaica Bay, Borough of Queens, by Unity Fishing Club.

No. 2944. Repairs to Rivington Street Pier 50, East river, by Murtagh & McCarthy.

No. 3002. Repairs to Pier foot of East Twenty-fifth street, by New York, New Haven and Hartford Railroad Company.

The Engineer-in-Chief reported the following work done under Bureau Orders by the force of the Department.

No. 2898. Placed Dock Master's office at foot of Bay Ridge avenue, Brooklyn.

No. 2998. Removed old material from land in rear of bulkhead between Seventy-eighth and Seventy-ninth streets, North river.

The following Department Orders were issued during the week:

Order No.	Date.	To	For	Amount.
22522	Mar. 10	John Cassidy.....	Stationery	\$154 30
22523	Mar. 11	John C. Orr & Co.....	Doors, sashes, etc.....	16 00
22524	Mar. 11	John F. Walsh, Jr.....	Repairs to boiler of tug "Brooklyn"	969 00
22525	Mar. 11	Gerry & Murray.....	Stationery	216 50
22526	Mar. 11	John F. Walsh, Jr.....	Repairs to tug "Manhattan"	827 00
22527	Mar. 14	M. Eberhardt & Co.....	Mops, pails, etc.....	173 00

The Auditor reported that the following claims were audited and forwarded to the Finance Department for payment:

Audit No.	Name.	Amount.
23006	William H. Jenks, Estimate No. 4, Contract No. 875.....	\$13,741 85
23007	John P. Flannery, Estimate No. 10, Contract No. 842.....	1,340 55
23008	Martin B. Brown Company, Estimate No. 1 and final, Contract No. 858, Class II.....	991 52
23009	O'Brien Brothers, Estimate No. 2, Contract No. 873.....	855 48
23010	William Farrell & Son, Estimate No. 5, Contract No. 864.....	757 91
23011	Harold C. Dayton, tubular boiler.....	359 00
23012	James Shewan & Sons, docking tug.....	180 00
23013	Motley, Green & Co., gasoline tanks.....	135 00
23014	Augustus Bleecker & Sons, anchors.....	75 03
23015	M. Kane & Son, carting.....	420 00
23016	M. Heffernan, carting.....	119 00
23017	M. Eberhart & Son, toilet paper, etc.....	48 00
	Weekly pay-roll, week ending March 10, 1905.....	22,139 87
	Total.....	\$41,163 21

The Cashier reported the following moneys received and deposited for the week ending March 15, 1905:

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
Mar. 10	Nonpareil Rowing Club.....	Three months' rent land under water at Sherman's creek, near One Hundred and Ninety-sixth street, Harlem river.	\$25 00	
Mar. 10	James Tregarthen & Son....	Three months' rent north half of Pier foot of Eighth street, East river.....	300 00	
Mar. 10	John P. Kane & Co.....	One month's rent new-made land in rear of bulkhead between Ninety-sixth and Ninety-seventh streets, East river.	25 00	
Mar. 10	John P. Kane & Co.....	Three months' rent 188 feet bulkhead between Ninety-fifth and Ninety-sixth streets, and new-made lands in rear, East river	875 00	
Mar. 10	W. A. Winne.....	Three months' rent 125 feet outer end Pier foot of West One Hundred and Thirty-third street	225 00	
Mar. 10	W. A. Winne.....	One month's rent 88 feet bulkhead north of Clinton street, East river.....	100 00	
Mar. 10	Harlem and Morrisania Line.	One month's rent privilege to land propellers at foot of North Second street, Brooklyn....	50 00	
Mar. 10	Central Railroad of New Jersey	Three months' rent ferry Liberty street, New York to Communipaw, N. J.....	2,500 00	
Mar. 10	Brooklyn Ferry Company of New York.....	Three months' rent ferry East Forty-second street, New York to Brooklyn.....	2,500 00	
Mar. 8	Sperry & Popham.....	Cost of dredging the slip at foot of One Hundred and Thirty-sixth street, Harlem river..	773 95	
Mar. 10	Chandler Davis.....	Refund of telephone charges....	2 05	
Mar. 10	Barney Trowansky.....	Cost of removing truck from Pier 36, East river, to Pound	3 00	

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
Mar. 10	Collectors	Wharfage, Manhattan, December, 1904	7 70	
Mar. 10	Collectors	Wharfage, Manhattan, January, 1905	316 06	
Mar. 10	Collectors	Wharfage, Brooklyn, January, 1905	26 22	
		Deposited March 10, 1905.....		\$7,728 98
Mar. 11	Seaboard Contracting Company	Three months' rent south side and outer end Pier foot of West Fifty-sixth street.....	425 00	
Mar. 11	New Jersey Steamboat Company	Three months' rent land under water covered by extension to Pier, old 41, North river.	250 00	
Mar. 11	C. S. Goss & Co.....	One month's rent space in rear of bulkhead north of Pier foot of Fifty-second street, North river.....	25 00	
Mar. 11	James Pilkington.....	One month's rent privilege to maintain dump-board inner end north side Pier foot of One Hundred and Thirty-third street, North river....	75 00	
Mar. 11	American Ice Company.....	One month's rent ice-bridge at "L" on Pier 56½, North river	131 25	
Mar. 11	Curtis & Blaisdell.....	One month's rent berth and coal hoist on north side of Pier foot of East Twenty-eighth street	50 00	
Mar. 11	J. R. McPherson.....	Three months' rent land under water platform south of Pier foot of Fortieth street, North river	57 75	
Mar. 11	Curtis & Blaisdell.....	Three months' rent land under water for coal hoist north side of Fifty-sixth street, East river.....	62 50	
Mar. 11	New York Central Railroad Company	Three months' rent Pier, new 4, and half of adjoining bulkheads and shed thereon, East river	5,841 85	
Mar. 13	Washington Heights Sand Company	One month's rent privilege to store sand on Pier at One Hundred and Fifty-eighth street, North river.....	25 00	
Mar. 13	Weber, McLaughlin Company	Three months' rent upland south of One Hundred and Thirty-first street, and 24 feet bulkhead, North river.....	600 00	
Mar. 13	Fred Getler.....	One month's rent space in rear of bulkhead between One Hundred and Third and One Hundred and Fourth streets, Harlem river.....	25 00	
Mar. 13	Baltimore & Ohio Railroad Company	One month's rent platform and awning shed at approach to Pier, new 22, North river..	16 00	
Mar. 13	W. M. Montgomery.....	One month's rent south side of Pier foot of East One Hundredth street.....	83 33	
Mar. 14	Rockaway White Sand Company	Three months' rent space new-made land in rear of bulkhead between Piers 47 and 48, North river.....	75 00	
Mar. 14	Cusick & Ryan.....	Three months' rent north half of block between Forty-ninth and Fiftieth streets, North river	225 00	
Mar. 14	Cusick & Ryan.....	Three months' rent space between Seventy-ninth and Eightieth streets, North river.....	75 00	
Mar. 14	J. Reeber's Sons.....	One month's rent south half of block between One Hundred and Seventh and One Hundred and Eighth streets, East river	25 00	
Mar. 14	Peter J. Moran.....	Six months' rent bath-houses, etc., between north side of One Hundred and Fiftieth street and south side of One Hundred and Fifty-first street, North river.....	150 00	
Mar. 14	New York and Baltimore Transportation Company..	One month's rent Pier, old 11, and bulkhead west, East river	958 34	
Mar. 14	New York and Baltimore Transportation Company..	One month's rent land under water west half of slip between Piers 10 and 11, East river	55 55	
Mar. 14	Port Richmond and Bergen Point Ferry Company.....	Six months' rent ferry, Port Richmond to Bergen Point..	150 00	
Mar. 14	Townsend & Downey Ship-building Company.....	One year's rent ferry from Staten Island to Shooter's Island	105 86	
Mar. 13	Consolidated Gas Company..	Cost relaying granite pavement taken up to permit the laying of gas pipe foot of One Hundred and Thirtieth street, North river.....	14 30	
Mar. 14	Dock Masters.....	Wharfage, Manhattan, March, 1905	834 03	
Mar. 14	Dock Masters.....	Wharfage, Brooklyn, March, 1905	85 17	
Mar. 14	Dock Masters.....	Wharfage, Queens, March, 1905	3 00	
Mar. 15	Collectors	Wharfage, Brooklyn, October, 1904	1 00	
Mar. 15	Collectors	Wharfage, Brooklyn, November, 1904	1 00	
Mar. 15	Collectors	Wharfage, Manhattan, January, 1905	507 21	
Mar. 15	Collectors	Wharfage, Brooklyn, January, 1905	149 98	
Mar. 15	Collectors	Wharfage, Queens, January, 1905	1 00	
Mar. 15	Collectors	Wharfage, Manhattan, February, 1905	1,791 54	
Mar. 15	Collectors	Wharfage, Brooklyn, February, 1905	22 79	
Mar. 15	Collectors	Wharfage, Manhattan, March, 1905	40 08	
		Deposited March 15, 1905.....		12,938 53
		Total		\$20,667 51

The following actions were taken concerning employees:

William Porterfield—Appointed as Cartman, March 10, with compensation at the rate of \$3.50 per day per horse, cart and driver, when employed.

William Fullam—Resignation as Watchman accepted, March 11.

Thomas Joyce, Engineman—Consent granted, March 14, for transfer to the Department of Water Supply, Gas and Electricity.

Cleaners—On March 15, John Brady, James Cody, James Conroy, Henry A. Corteau, John Cotter, John J. Fagan, David Kernberg, Richard Moore, William Poole and Edward J. Teyhan, were transferred from the position of Cleaner to that of Laborer, with compensation at the rate of 31¼ cents per hour, while employed, to take effect March 18, 1905, as per authorization of the Municipal Civil Service Commission.

CHARLES J. COLLINS, Secretary.

DEPARTMENT OF DOCKS AND FERRIES.

TRANSACTIONS

DEPARTMENT OF DOCKS AND FERRIES DURING THE WEEK ENDING MARCH 23, 1905.

The following privileges were granted, to continue until April 30, 1905, unless sooner revoked:

March 17. Hinchliffe Steamboat Company—To land the steamer "William Storie" at the Battery wharf and at the Pier foot of West Twenty-second street, North river, rental to be at the rate of \$4 per day for each location, payable at the end of each week to the Dock Master.

March 17. George W. Bedell—To maintain tally-house, 4 by 6 feet in dimensions, at the foot of Beekman street, East river, rental to be at the rate of \$2 per month, payable monthly in advance to the Dock Master.

March 17. Fred Getler—To use and occupy space, 50 by 100 feet in dimensions, on land in rear of the bulkhead, north of West Ninety-seventh street, North river, rental to be at the rate of \$300 per annum, payable monthly in advance to the Cashier.

March 20. Empire State Engineering Company—To occupy land under water between One Hundred and Sixteenth and One Hundred and Seventeenth streets, Harlem river, and to construct a platform over same out to the established bulkhead-line, an area of 1,400 square feet, and to dredge along the southerly side of the stone pier between One Hundred and Sixteenth and One Hundred and Seventeenth streets, Harlem river, rental for the use of the land under water owned by the City to be at the rate of \$175 per annum, payable quarterly in advance to the Cashier, to commence on the date of entering into possession of the property for the purpose of constructing the platform.

March 21. Snow & Emerson—To moor the bath "Stuyvesant" on the north side of the Pier foot of Fifth street, East river, rental to be at the rate of \$5 per day, payable at the end of each week to the Dock Master.

March 23. Russell A. Dangler—To place boathouse and landing float at the foot of West One Hundred and Fifty-second street, Harlem river, rental to be at the rate of \$5 per month, payable monthly in advance to the Dock Master, to take effect as soon as the premises shall have been vacated by the Atlanta Boat Club, the present occupant.

March 23. Richmond Borough Realty Company—To use and occupy the westerly half of the Pier foot of Summerfield avenue, Mariner's Harbor, Borough of Richmond, rental to be at the rate of \$150 per annum, payable quarterly in advance to the Cashier.

The following permits were granted:

March 17. Michael Seitz—To drive about twelve retaining piles for boathouse at his property on the westerly shore of Flushing Bay, Borough of Queens, the same to remain thereat during the pleasure of the Commissioner.

March 20. Bellevue and Allied Hospitals—To erect a fence along the southerly backing log on the East Twenty-eighth Street Pier, between the old and new bulkheads, the fence to remain thereat during the pleasure of the Commissioner.

March 20. Charles Ohlrogge—To repair the small Pier at the foot of Princes Bay road, Princes Bay, Borough of Richmond, within existing lines.

March 21. John Eagan—To moor swimming bath at a point about 60 feet south of Corlears street, East river, the consent of the owners of the property having been obtained, the bath to remain thereat during the pleasure of the Commissioner.

March 21. H. L. Herbert & Co.—To open asphalt pavement at the foot of Twentieth street, East river, for the purpose of repairing steam pipe thereat.

March 22. Thomas F. McLaughlin—To store sand on vacant land, 25 by 100 feet in dimensions, in rear of bulkhead between One Hundred and Thirtieth and One Hundred and Thirty-first streets, North river, the consent of the Weber-McLaughlin Company, the lessee of the premises, having been obtained by him, the permit being revocable at the pleasure of the Commissioner.

March 23. Merchants' Union Ice Company—To change the grade and repave the upland, to change the location of ice scales, to place four fender piles on the bulkhead, to place a small frame dynamo house at the northwest corner of the company's property and to make other minor changes at its property between Thirty-fourth and Thirty-fifth streets, North river, in accordance with plans submitted, the structures to remain thereat during the pleasure of the Commissioner.

March 23. Peerless Brick Company—To erect a fence to inclose space, 9 feet by 34 inches in dimensions, adjoining the northerly side of East One Hundred and Eighteenth street, Harlem river, in accordance with plans submitted, the fence to remain thereat during the pleasure of the Commissioner.

The following privileges were revoked:

March 17. Baltimore and Ohio Railroad Company—For the occupation of the Pier at the foot of Thirty-seventh street, East river, and the maintenance of ice bridge, scales and tally-house thereon, to take effect at once, as per recommendation of the Engineer-in-Chief, to permit the work of repairing and extending the pier under Contract No. 889.

March 21. Edmund Randolph—For the berthing of the steam yacht "Apache" on the north side of the East Twenty-fourth Street Pier, East river, to take effect as of March 16, 1905, the date on which the berth was vacated, as per report of the Dock Superintendent.

On March 20, 1905, the Board of Education was requested to vacate the Pier at the foot of Third street, East river, in time to permit the opening thereof for recreation purposes, not later than July 1, 1905. The Dock Superintendent was directed to open the remaining recreation piers on May 27, 1905, and the following musical directors were appointed to furnish music on the various recreation piers during the season of 1905, on the dates and at the locations designated, it being understood that if the opening of the East Third Street Recreation Pier on July 1 becomes impracticable, the dates fixed for Jacob Weiss and Jacob Liebovitz will be proportionately shortened so as to conform with the date of actual opening:

RECREATION PIER FOOT OF BARROW STREET, NORTH RIVER (NINETEEN PIECES AND LEADER).

Thomas F. Usher, from May 27 to June 23, both inclusive.
James Beggs, from June 24 to June 30, both inclusive.
W. E. J. Keating, from July 1 to July 14, both inclusive.
P. Berlinghoff, from July 15 to July 28, both inclusive.
Thomas P. Ward, from July 29 to September 1, both inclusive.
George F. Moore, from September 2 to September 29, both inclusive.

RECREATION PIER FOOT OF WEST FIFTIETH STREET, NORTH RIVER (NINETEEN PIECES AND LEADER).

Eugene A. Johnson, from May 27 to July 7, both inclusive.
David Braham, from July 8 to August 11, both inclusive.
Charles Paul Eller, from August 12 to September 15, both inclusive.
Charles A. Kaiser, from September 16 to September 29, both inclusive.

RECREATION PIER FOOT OF WEST ONE HUNDRED AND TWENTY-NINTH STREET, NORTH RIVER (FOURTEEN PIECES AND LEADER).

August Lederhaus, from May 27 to July 7, both inclusive.
Richard E. Sause, from July 8 to August 4, both inclusive.
J. H. Peterman, from August 5 to September 1, both inclusive.
William J. Smalenbach, from September 2 to September 29, both inclusive.

RECREATION PIER FOOT OF MARKET STREET, EAST RIVER (FOURTEEN PIECES AND LEADER).

Morris Schwartz, from May 27 to July 7, both inclusive.
 Felix S. McAuliffe, from July 8 to August 18, both inclusive.
 Charles Neumeyer, from August 19 to September 8, both inclusive.
 Charles Frank Cappell, from September 9 to September 29, both inclusive.

RECREATION PIER FOOT OF THIRD STREET, EAST RIVER (FOURTEEN PIECES AND LEADER).

Jacob Weiss, from July 1 to August 4, both inclusive.
 Jacob Liebovitz, from August 5 to September 8, both inclusive.
 William F. Kielgast, from September 9 to September 29, both inclusive.

RECREATION PIER FOOT OF TWENTY-FOURTH STREET, EAST RIVER (NINETEEN PIECES AND LEADER).

William S. Purisch, from May 27 to July 7, both inclusive.
 William Bayne, from July 8 to August 11, both inclusive.
 Adolph Schubert, from August 12 to September 15, both inclusive.
 Thomas F. Usher, from September 16 to September 29, both inclusive.

RECREATION PIER FOOT OF EAST ONE HUNDRED AND TWELFTH STREET, HARLEM RIVER (FOURTEEN PIECES AND LEADER).

Joseph Alessio, from May 27 to June 30, both inclusive.
 Jack Berger, from July 1 to July 28, both inclusive.
 Charles Boswald, from July 29 to September 1, both inclusive.
 Louis Conterno, from September 2 to September 29, both inclusive.

RECREATION PIER FOOT OF METROPOLITAN AVENUE, BROOKLYN (FOURTEEN PIECES AND LEADER).

Edward Canavan, from May 27 to June 30, both inclusive.
 William H. Metzger, from July 1 to July 21, both inclusive.
 Charles Feth, from July 22 to August 11, both inclusive.
 Frank L. Callahan, from August 12 to September 8, both inclusive.
 Morris Z. Hanau, from September 9 to September 29, both inclusive.

The following communications were received, action being taken thereon as noted:

From the City Clerk—

Transmitting copy of resolution adopted by the Board of Aldermen, March 14, and approved by the Mayor March 21, 1905, fixing the salary of Superintendent of Docks at the rate of \$3,300 per annum. Filed, March 23, and Charles A. Manly, Superintendent of Docks, notified that commencing March 21, 1905, his salary will be at the rate of \$3,300 per annum.

From the Commissioners of the Sinking Fund—

Transmitting certified copy of resolution adopted December 28, 1904, authorizing the service of an offer of \$15,000 upon the owner or owners of the bulkhead rights between the north side of Fourth street and the south side of Fifth street, East river, for the purchase of the property by the City. Offer served March 22, as authorized.

From the Finance Department—

1. Requesting copy of contract entered into with Millard & MacLean, as architects, for the preparation of plans and specifications for the construction of five ferry-boats for the Staten Island ferry service. Copy of Contract No. 906 forwarded to the Comptroller March 17.

2. Submitting substitution of the American Bonding Company of Baltimore as surety in the places of E. A. Shebbe and J. Allen on the estimate of Snare & Triest Company for removing Pier, old 19, and building Pier, new 15, East river, under Contract No. 897. Consent granted for the substitution March 23.

From the Law Department—

1. Stating that from August 1, 1901, the date of expiration of the former ferry lease to the Erie Railroad Company to May 1, 1903, the date of commencement of the new lease, the City is entitled to the minimum rate fixed in the old lease for the renewal term, namely, \$100,500 per annum for Piers Nos. 20 and 21, North river, with 560 feet of bulkhead adjoining said piers. Erie Railroad Company notified March 17 that for the hold-over period in question, from August 1, 1901, to May 1, 1903, rental for the property covered by the old lease will be charged at the rate of \$100,500 per annum, an increase of \$500 per annum over the old rental, and said company requested to remit the amount due, \$875, at once.

2. Transmitting certified copies of orders of the Supreme Court, taxing expenses incurred in the proceeding for the acquisition of the private interests in and to Piers, old 23 and old 24, East river, in and to the bulkhead between said piers, and in and to the bulkhead and land between Thirteenth and Fourteenth streets, North river, and requesting that the fund for the "Expenses of Commissioners of Estimate and Appraisal" be reimbursed for the amount of said expenses, \$3,141.06. Vouchers forwarded to the Finance Department March 23 for the payment of the amount called for.

3. Advising that all subleases granted by the Co-operative Society of New Jersey covering space in Jamaica Bay, Borough of Queens, are good until declared otherwise by the Courts; that the Department is not entitled to rental for structures maintained within the right of way of the Long Island Railroad Company; that the Department is not entitled to rental for structures maintained within the area leased by the society to the Brooklyn and Jamaica Bay Turnpike Company until the lease to said company is declared by the Courts to be invalid, and that the claim of Justice Thomas H. Williams that the title to lands in Jamaica Bay was not vested in the Town of Jamaica is not supported by Court decisions. Corporation Counsel requested, March 21, to take steps to have the lease granted by the Town of Jamaica to William B. Dooley and the subleases granted by the Co-operative Society of New Jersey declared invalid.

4. Approving form of agreement to be executed by the New York Edison Company in connection with the application of said company for permission to construct bulkhead-wall and structures between Thirty-ninth and Fortieth streets, East river. Said company notified, March 23, that the agreement is ready for execution.

5. Approving form of lease or agreement to be entered into with the Rapid Transit Ferry Company for the temporary continuation of the present Staten Island ferry service, for the purchase of the terminal structures at the foot of Whitehall street, in the Borough of Manhattan, and at St. George, in the Borough of Richmond, and for the purchase of the ferry-boats "Robert Garrett," "Castleton," "Southfield," "Westfield" and "Middletown." Company notified, March 23, that the agreement is ready for execution as soon as the title to the land at St. George, in the Borough of Richmond, is transferred to the City.

6. Approving form of Contract No. 894 for printing and binding Department reports and indices, and Contract No. 901 for towing. Contracts ordered advertised March 23.

From the Department of Street Cleaning—

1. Requesting designation of space for floating dumping-board purposes between Little West Twelfth and West Fourteenth streets, North river. Notified, March 17, that no assignments can be made owing to extensive improvements now in progress at that locality.

2. Requesting the assignment of space for a temporary floating dumping-board between Seventy-seventh and Eighty-first streets, North river. Filed March 22.

3. Requesting that the material dumped from one of its scows in the slip adjoining the Pier foot of Eighth street, East river, be dredged and agreeing to pay the cost thereof. Notified, March 23, that the work will be done as soon as outstanding bills for work heretofore done are paid.

From the Department of Water Supply, Gas and Electricity—

Stating that hydrant will be placed at the end of Pier foot of East One Hundred and Second street, Harlem river. Filed March 23.

From the Postmaster of The City of New York—

Stating that a letter-box has been placed at the southwest corner of Twenty-fourth street and Avenue A. Filed March 18.

From James McLaughlin Company—

Requesting permission to occupy additional space in rear of the bulkhead north of Ninety-seventh street, North river. Denied, March 17, there being no unoccupied space thereat.

From Franklin Bartlett, Attorney—

Requesting that an extension of time be granted to the estate of Heyward Cutting, to the estate of Francis B. Cutting and to the estate of Thomas Miller within which to make Twelfth avenue, between the centre line of Forty-sixth street and the centre

line of Forty-seventh street, North river. Extension granted, March 17 to October 1, 1905.

From John A. Philbrick & Brother—

Asking the removal of a derelict scow from the slip at the foot of Ninety-seventh street, East river. Notified, March 18, that the scow has been abandoned by the owners thereof, and that the Department has no objection to its destruction or removal.

From William M. Montgomery—

Requesting that the privilege granted him for the use of the Pier at the foot of East One Hundred and Nineteenth street, Harlem river, for ice-bridge purposes, be transferred to the North River Ice Company. Privilege transferred, March 20, as requested, to the North River Ice Company, to continue during the pleasure of the Commissioner as heretofore; rental to remain at the rate of \$1,125 per annum, payable quarterly in advance to the Cashier.

From Cusick & Ryan—

Requesting renewal of credit account and of permits for the use of land in rear of the bulkhead between Seventy-ninth and Eightieth streets, North river; between Forty-ninth and Fiftieth streets, North river, and between Piers 47 and 48, North river. Action of March 13, 1905, in revoking the credit account and privileges rescinded March 21, and credit account and renewal privileges granted to Cusick & Ryan for the three locations, to continue until April 30, 1905, unless sooner revoked; rental to be at the same rates provided for in the former permits.

From John I. Merrill & Co.—

Stating that their oyster barge, berthed in the oyster basin at the foot of Bloomfield street, North river, was damaged by projecting timber. Notified, March 21, that the Department does not consider itself responsible for the damage.

From the Central Hudson Steamboat Company—

Requesting permission to sublet a berth at Pier new 24, North river, to the Stephens & Condit Transportation and Forwarding Company. Filed, March 21.

From John A. Monaghan—

Requesting permission to assign the lease of bath house privileges between One Hundred and Forty-ninth and One Hundred and Fiftieth streets, North river. Filed March 21, the Neptune Bathing Company having been recognized September 2, 1904, as the lessee of the premises.

From H. L. Herbert & Company—

Requesting renewal of lease of the south half of the pier foot of East Twentieth street, with 120 feet of bulkhead southerly thereof. Notified, March 21, that if satisfactory, lease will be granted for a term of ten years from March 1, 1905, at a rental of \$3,000 per annum.

From E. E. Olcott—

Requesting lease of additional space on the lower deck of the West One Hundred and Twenty-ninth street pier, with the privilege of collecting wharfage on the sides of said pier. Denied, March 22.

From the East Side Citizens and Taxpayers' Association—

Requesting dredging in the slip south of the pier at the foot of East One Hundred and Eighteenth street, Harlem river, and at the bulkhead foot of One Hundred and Twenty-fifth street, Harlem river, and asking the construction of an additional pier at the foot of One Hundred and Twenty-first or One Hundred and Twenty-second street, Harlem river. Notified, March 23, that no greater depth of water can be provided at the foot of One Hundred and Twenty-fifth street, Harlem river; that it is impossible to do dredging in the slip south of the pier foot of One Hundred and Eighteenth street, Harlem river, that the construction of a pier at either One Hundred and Twenty-first or One Hundred and Twenty-second street, Harlem river, is impracticable, but that a pier will be built, if desired, at the foot of One Hundred and Twentieth street, Harlem river.

From J. W. Scott—

Requesting use of bulkhead between Piers 31 and 32, or between Piers 32 and 33, East river, for ice bridge purposes. Notified that the latter location is held under permit by the Maine Steamship Company and that the former bulkhead is being used in connection with the construction of the Manhattan Bridge at that point.

From Ehrenreich Brothers—

Requesting a ten-year lease of the northerly half of bulkhead between Sixty-second and Sixty-third streets, East river. Denied, March 23.

From the New York Central and Hudson River Railroad Company—

Requesting permission to maintain a fence along the southerly side of Thirty-seventh street, North river. Notified, March 23, that as the fence shuts off access to Twelfth avenue, it must be removed.

From the Engineer-in-Chief—

1. Report for the week ending March 11, 1905, regarding progress and completion of work under his supervision. Filed, March 17.

2. Submitting specifications and form of contract for piles. Approved, March 21, and ordered printed as Contract No. 912.

3. Recommending that the Department of Water Supply, Gas and Electricity be requested to remove the lamp post located on the southerly side of the pier at the foot of Thirty-seventh street, East river, so as to permit the repairs to said pier under contract No. 889. Request made, March 22.

4. Reporting the capsizing of a cargo of cement from a barge along the northerly side of the pier at the foot of One Hundred and Thirty-first street, North river. Filed, March 22.

5. Reporting that the deliveries of anthracite coal under Contract No. 860 were completed March 15, 1905. Filed, March 17.

6. Reporting that dredging between West Twenty-first and West Twenty-third streets, North river, under Contract No. 749, was completed March 9. Filed, March 21.

7. Reporting that deliveries of supplies under Class II. of Contract No. 851 were commenced March 21, 1905. Filed, March 22.

8. Reporting that the plans submitted by the Fire Department for structures to be erected at the foot of Ninety-ninth street, East river, and at the foot of Gansevoort street, North river, as amended, are satisfactory. Said Department so notified, March 23.

9. Submitting specifications and form of contract for repairing and painting the buildings on the various recreation piers and for repairing and painting the shed on Pier new 33, East river. Approved, March 23, and ordered printed as Contract No. 913.

The following orders were issued to the Engineer-in-Chief in accordance with his recommendation, except where otherwise noted:

March 17. To extend the pier at the foot of One Hundred and Thirty-third street, North river, outshore a distance of about 175 feet.

March 18. To repair the pier foot of One Hundred and Thirty-fourth street, North river.

March 21. To repair the doors of the shed on Pier new 33, East river, as per recommendation of the Dock Superintendent.

March 22. To repair the pier at Riker's Island, East river, and float thereat, as per request of the Department of Correction.

March 23. To make general repairs from time to time as may be found necessary to the "isles of safety" along the marginal street on the North river, at a cost not to exceed \$200 in the aggregate.

March 23. To make necessary repairs to the boat landing south of Pier "A," North river, during the season of 1905.

March 23. To make necessary repairs to the recreation structures along the North river, as required, at a cost not to exceed \$500 in the aggregate.

The following Department Orders were issued during the week:

Order No.	Date.	Issued to.	For	Amount.
22528	Mar. 18	Sherman-Brown-Clements Company....	Pulley blocks.....	\$232 80
22529	Mar. 18	Manhattan Supply Company.....	Condenser tubes.....	564 00
22530	Mar. 21	Gerry & Murray.....	Stationery	14 40
22531	Mar. 21	Julius P. Friez.....	Supplies for register.....	13 75
22532	Mar. 21	James Shewan & Sons.....	Propeller for tug "Manhattan"	60 00
22533	Mar. 21	W. P. Mitchell & Son.....	Printing	90 00

The Auditor reported that the following claims were audited and forwarded to the Finance Department for payment:

Audit No.	Name.	Amount.
23018	Morris & Cumings Dredging Company, Estimate No. 12, Contract No. 799.....	\$6,787 14
23019	Dowd Lumber Company, Estimate No. 2, Contract No. 851, Class IV.....	2,018 78
23020	O'Brien Bros., Estimate No. 3, Contract No. 854, Class I.....	1,753 92
23021	J. Edward Ogden Company, Estimate No. 2, Contract No. 851, Class V.....	816 20
23022	Sherman, Brown, Clements Company, Estimate No. 2, Contract No. 851, Class II.....	564 18
23023	J. Edward Ogden Company, wire fabric.....	792 00
23024	New York Telephone Company, telephone service.....	717 79
23025	Manning, Maxwell & Moore, supplies.....	652 57
23026	Sherman, Brown, Clements Company, copper hose.....	512 00
23027	John Fox & Co., supplies.....	166 50
23028	Krystalied Cooler Supply Company, water.....	18 00
23029	Robert Beasley, carting.....	350 00
23030	N. Stafford Company, badges.....	58 00
23031	New York Telephone Company, telephone service.....	269 03
23032	Charles K. Baker, Acting Agent and Warden, table.....	37 59
23033	Krystalied Cooler Supply Company, water.....	14 00
23034	Chamberlain of The City of New York, Reimbursement Fund..	3,141 06
	Weekly pay-roll, week ending March 17, 1905.....	22,741 26
	Total.....	\$41,410 02

The Cashier reported the following moneys received and deposited for the seven days ending March 22, 1905:

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
Mar. 16	Central Vermont Railroad Company.....	Three months' rent Pier, new 29, and half adjoining bulkheads, East river.....	\$6,250 00	
Mar. 17	Owens & Co.....	Three months' rent bulkhead foot of East Forty-seventh street.....	225 00	
Mar. 15	H. L. Herbert & Co.....	Cost repairs made to south half of Pier foot of Twentieth street, East river.....	1,214 72	
Mar. 17	R. J. Foster.....	Three months' rent 150 feet bulkhead between Piers 3 and 4, Wallabout, Brooklyn.....	375 00	
Mar. 17	Collectors.....	Wharfage, Manhattan, September, 1904.....	1 00	
Mar. 17	Collectors.....	Wharfage, Manhattan, December, 1904.....	2 00	
Mar. 17	Collectors.....	Wharfage, Manhattan, January, 1905.....	93 85	
Mar. 17	Collectors.....	Wharfage, Brooklyn, January, 1905.....	19 31	
Mar. 17	Collectors.....	Wharfage, Manhattan, February, 1905.....	514 52	
Mar. 17	Collectors.....	Wharfage, Brooklyn, February, 1905.....	40 29	
Mar. 17	Collectors.....	Wharfage, Manhattan, March, 1905.....	30	
		Deposited March 17, 1905.....	\$8,735 99	
Mar. 18	New York Contracting and Trucking Company.....	Three months' rent Pier foot of West Ninety-sixth street and dump thereat, North river.....	\$900 00	
Mar. 20	Cusick & Ryan.....	One month's rent space between Seventy-ninth and Eightieth streets, North river.....	25 00	
Mar. 20	Cusick & Ryan.....	One month's rent north half of block between Forty-ninth and Fiftieth streets, in rear of bulkhead, North river.....	75 00	
Mar. 20	Rockaway White Sand Company.....	One month's rent space new-made land in rear of bulkhead between Piers 47 and 48, North river.....	25 00	
Mar. 20	William Cuff.....	One month's rent space in rear of bulkhead foot of One Hundred and Fourth street, Harlem river.....	25 00	
Mar. 20	A. J. H. Brooks Company.....	One month's rent space new-made land north side of Fifty-first street, North river.....	25 00	
Mar. 20	Hecker-Jones-Jewell Milling Company.....	Three days' rent privilege to run pipe through bulkhead wall and under Pier 32, East river.....	2 42	
Mar. 22	James W. Scott.....	One month's rent platform, etc., on bulkhead between Piers, old 56 and 57, and space for engine, East river.....	54 17	
Mar. 22	Bart Dunn.....	Three months' rent Pier foot of Fordham road, The Bronx.....	175 00	
Mar. 22	Elmer A. Keeler.....	Three months' rent west side and 120 feet outer end east side of Pier at Whitestone Landing, Queens.....	275 00	
Mar. 22	Dock Masters.....	Wharfage, Manhattan, March, 1905.....	646 69	
Mar. 22	Dock Masters.....	Wharfage, Brooklyn, March, 1905.....	94 08	
Mar. 22	Dock Masters.....	Wharfage, Queens, March, 1905.....	2 50	
Mar. 22	Collectors.....	Wharfage, Manhattan, October, 1904.....	20 00	
Mar. 22	Collectors.....	Wharfage, Manhattan, November, 1904.....	60 00	
Mar. 22	Collectors.....	Wharfage, Manhattan, December, 1904.....	118 00	
Mar. 22	Collectors.....	Wharfage, Manhattan, January, 1905.....	331 68	
Mar. 22	Collectors.....	Wharfage, Brooklyn, January, 1905.....	35 83	
Mar. 22	Collectors.....	Wharfage, Manhattan, February, 1905.....	582 24	
Mar. 22	Collectors.....	Wharfage, Brooklyn, February, 1905.....	91 20	
Mar. 22	Collectors.....	Wharfage, Queens, February, 1905.....	9 00	
		Deposited March 22, 1905.....	3,572 81	
		Total.....	\$12,308 80	

The following actions were taken concerning employees:

William Lynch, Ship Caulker—
Name taken from list of employees, March 17, he having been appointed as Ship Caulker in the Fire Department.

James J. Kenny—
Changed from Dock Builder to Marine Sounder, March 17, with compensation at the rate of \$18 per week, to take effect March 18, 1905, as per authorization of the Municipal Civil Service Commission.

John Gillen, No. 2—
Reinstated as Laborer, March 17, compensation to be at the regular rate, as per authorization of the Municipal Civil Service Commission.

Edward Kelly, Dock Builder—
Name taken from list of employees, March 18, death being reported by the Engineer-in-Chief.

Allen Price, Dock Builder—
Wages restored, March 18, to 43¼ cents per hour while employed, commencing March 15, 1905, the Engineer-in-Chief stating that Price reported for duty on that date.

Edward J. McCullen—
Appointed Pipe Fitter, March 18, with compensation at the rate of 50 cents per hour while employed, as per certification of the Municipal Civil Service Commission.

Joseph A. Ganey, Watchman—
Name taken from list of employees, March 20, the position being declined by him on the ground of insufficiency of salary.

Philip Farmer, Wood Sawyer—
Wages fixed, March 21, at the rate of 50 cents per hour while employed, to take effect March 25, 1905.

Mark Cronin, Watchman—
Name taken from list of employees, March 21, he having been appointed in the Tenement House Department.

John Tormey, Sr.—
Appointed, March 22, as Saw Filer, with compensation at the rate of 43 cents per hour while employed, as per certification of the Municipal Civil Service Commission.

William J. Long—
Changed, March 22, from Dock Builder to Laborer, with compensation at the rate of \$18 per week, to take effect March 25, as per authorization of the Municipal Civil Service Commission.

Michael J. McNeary, Watchman—
Resignation accepted March 22.

James Dugan, Dock Laborer; Edward O'Brien, Laborer—
Discharged, March 22, as per recommendation of the Engineer-in-Chief, for failure to report for duty.

CHARLES J. COLLINS, Secretary.

DEPARTMENT OF DOCKS AND FERRIES.

TRANSACTIONS OF THE DEPARTMENT OF DOCKS AND FERRIES DURING THE WEEK ENDING MARCH 30, 1905.

The following privileges were granted, to continue until April 30, 1905, unless sooner revoked, except as otherwise noted:

March 24. James Sullivan—
For the maintenance of stand for the sale of newspapers at the approach to Pier 10, North river, rental to be at the rate of \$2 per month, payable monthly in advance to the Dockmaster.

March 24. Margaret Fisher—
For the maintenance of float in front of the bulkhead adjoining the south side of the Pier foot of North Second street, Borough of Brooklyn, rental to be at the rate of \$2.50 per month, payable monthly in advance to the Dockmaster.

March 24. American Sightseeing Boat and Transportation Company—
To use and occupy a berth for the yacht "Clifton" at the Pier foot of West Twenty-second street, North river, rental to be at the rate of \$5 per day, payable weekly at the end of each week to the Dockmaster.

March 25. E. E. Olcott—
To berth the steamer "New York" at the south side of the West Fiftieth Street Pier, North river, rental to be at the rate of \$5 per day, payable at the end of each week to the Dockmaster.

March 28. Frank McGann—
To maintain refreshment stand on the Battery Wharf, rental to be at the rate of \$1 per month, payable monthly in advance to the Dockmaster.

March 28. G. Enright—
To maintain a refreshment stand on the approach to Pier, new 1, North river, rental to be at the rate of \$1 for the season, payable in advance to the Dockmaster.

March 28. Jeremiah G. Lyons (renewal)—
To maintain stand for the sale of newspapers at the approach to the ferry-house foot of Barclay street, North river, rental to be at the rate of \$2 per month, payable monthly in advance to the Dockmaster, the renewal to commence May 1, 1905, and to terminate April 30, 1906, unless sooner revoked.

March 28. William Corcoran (renewal)—
To maintain stand for the sale of newspapers at the approach to the ferry-house foot of Liberty street, North river, rental to be at the rate of \$2 per month, payable monthly in advance to the Dockmaster of the district, the renewal to commence May 1, 1905, and to terminate April 30, 1906, unless sooner revoked.

March 28. Mrs. J. Goldberg (renewal)—
To maintain stand for the sale of newspapers at the approach to the ferry-house foot of Twenty-third street, East river, rental to be at the rate of \$1 per month, payable monthly in advance to the Dockmaster, the renewal to commence May 1, 1905, and to terminate April 30, 1906, unless sooner revoked.

March 28. Iron Steamboat Company—
To use and occupy the south side of the Pier at the foot of West One Hundred and Twenty-ninth street, North river, except the outer 20 feet thereof, for the landing and berthing of its steamboats, and to lay a water pipe, if necessary, along the said south side of the pier, rental to be at the rate of \$500 per month, payable monthly at the end of each month to the Cashier; also to land its steamboats at the outer 300 feet of space on the south side of the West Twenty-second Street Pier, and to occupy the berth over night when desired; to erect a temporary awning for the accommodation of the public on the pier at that berth, and to lay a water pipe on the pier; rental to be at the rate of \$600 per month, payable at the end of each month to the Cashier.

March 30. Thomas Mulry & Son—
To occupy space 50 by 100 feet in dimensions on the land in rear of the bulkhead between Eighteenth and Nineteenth streets, East river, for the storage of sand, rental to be at the rate of \$300 per annum, payable monthly in advance to the Cashier.

The following permits were granted:

March 25. Weber-Bunke-Lange Coal Company—
To erect a two-story building between Ninety-sixth and Ninety-seventh streets, North river, in accordance with plans submitted as amended, the structure to remain thereat during the pleasure of the Commissioner.

March 25. E. E. Olcott—
To erect a small shelter along the roadway leading from Forty-second street to the Pier at the foot of Forty-first street, North river, and to cut a gangway on the southerly side of the pier, upon condition that the shelter will revert to and become the property of the City upon the expiration or sooner termination of the lease of the said pier.

March 27. Delaware, Lackawanna and Western Railroad Company—
To make general repairs to its water-front property from time to time as found necessary, the permit to terminate December 31, 1905, unless sooner revoked.

March 27. Union Stockyard and Market Company—
To make general repairs from time to time as found necessary to the Pier at the foot of West Fortieth street, North river, the permit to terminate December 31, 1905, unless sooner revoked.

March 27. James G. Timolat—
To construct a temporary "T" pier in front of his upland property at Rossville, in the Borough of Richmond, in accordance with plans submitted, the structure to remain thereat during the pleasure of the Commissioner.

March 27. Knickerbocker Steam Towage Company—
To open asphalt pavement at the approach to Pier, new 1, North river, for the purpose of repairing water pipe thereat.

March 28. Erie Railroad Company—
To make general repairs to its water-front property along the North and East rivers from time to time, as may be found necessary, the permit to terminate December 31, 1905, unless sooner revoked.

March 30. Bouker Contracting Company—
To dredge under and in front of the dumping board south of Fourteenth street, East river.

March 30. Bertha Diem—
To build a bulkhead immediately north of the causeway on the line of Main street, Westchester, Westchester creek, Borough of The Bronx, and to fill in behind same, in accordance with plans to be first submitted to and approved by the Engineer-in-Chief.

The following privileges were revoked:

March 27. People's Evening Line of Steamers—
For the berthing of the steamer "Adirondack" at the south side of the West Fiftieth Street Pier, to take effect as of March 25, 1905, the date upon which the premises were vacated.

March 28. Hecker-Jones-Jewell Milling Company—
For the maintenance of grain elevator at the westerly side of Pier 30, East river, and for the maintenance of an exhaust pipe through the bulkhead and under Pier 32, East river, to take effect as of March 3, 1905, the date on which the grain elevator and pipe were removed, as per report of the Dock Superintendent on communication from said company.

On March 24 bids were received and opened for repairing asphalt pavement along the North and East rivers, under Contract No. 879, as follows:

	Class I. 75,000 Square Yards Repairs to Wearing Surface and Binder.	Class II. 10,000 Square Yards Repairs to Wearing Surface.	Class III. 40,000 Square Yards Repairs to Concrete Foundation and Laying New Concrete Foundation.	Total.
Uvalde Asphalt Paving Company.....	\$1 08	\$0 50	\$0 55	\$112,000 00
The Sicilian Asphalt Paving Company..	1 10	01	71	111,000 00
The Barber Asphalt Paving Company..	1 03	52	76	112,850 00
The Asphalt Construction Company....	1 25	1 00	5 00	303,750 00

Contract awarded March 24 to the Sicilian Asphalt Paving Company, the lowest bidder, subject to the approval of the Title Guarantee and Trust Company of Scranton, Pa., as surety by the Comptroller.

On March 27 bids were received and opened for preparing for and building a lateral extension to the westerly side of Pier, new 32, East river, under Contract No. 898, as follows:

Bernard Rolf	\$31,733 00
Augustin Walsh	32,447 00
R. P. and J. H. Staats.....	29,900 00
George B. Spearin.....	38,425 00
William H. Jenks.....	40,000 00

Contract awarded March 27 to R. P. and J. H. Staats, the lowest bidders, subject to the approval of the Fidelity and Deposit Company of Maryland as surety by the Comptroller.

On March 30 bids were received and opened for preparing for and building a new pier on the site of Pier, old 22, East river, to be known as Fulton Street Pier, East, No. 17, East river, under Contract No. 900, as follows:

	Class I. Building Pier 17.	Class II. Reinforcing Piles for Ferry Racks.	Class III. 7,000 Cubic Yards Rip-rap.	Total.
William H. Jenks	\$33,333 00	\$1,618 00	\$0 45	\$38,101 00
G. B. Spearin.....	32,054 00	1,728 00	45	36,932 00
Bernard Rolf	33,733 00	1,900 00	45	38,783 00
Augustin Walsh	33,000 00	2,000 00	40	37,800 00

Contract awarded March 30 to G. B. Spearin, the lowest bidder, subject to the approval of the American Bonding Company of Baltimore as surety by the Comptroller.

The following communications were received, action being taken thereon as noted:

From the Commissioners of the Sinking Fund—

1. Transmitting certified copies of resolutions adopted March 22, 1905, as follows:

(a) Authorizing lease of bulkhead foot of Forty-fifth street, East river, to the Schwartzschild & Sulzberger Company for a term of two years from April 1, 1905, at a rental of \$600 per annum. Company notified March 27 that if satisfactory a lease will be prepared for execution.

(b) Approving amended plan for the improvement of the water-front at Pier, new 7, East river. Filed March 27.

(c) Authorizing lease to the Erie Railroad Company of the Coenties Slip Pier 7, East river, as it will exist when widened and extended in accordance with the amended new plan, with the easterly half of the bulkhead between the easterly line of Pier 6 and the westerly line of Pier 7, and the westerly half of the bulkhead between the proposed easterly line of Pier 7 and the westerly line of the proposed Pier 8, for a term of ten years from the first day of the month following the date when the bulkhead-wall within the area proposed to be leased and the proposed Pier 7 shall be completed and ready for occupation, at a rental of \$25,000 per annum, the lease to include the shed now on the existing pier, and the lessee to have the privilege of constructing, reconstructing and maintaining sheds on the pier, such shed or sheds to revert to and become the property of the City free from all incumbrances upon the expiration or sooner termination of the lease; the lease to provide for the option of two renewal terms of ten years each at advances of five per cent. in the rental for each renewal term; the lease not to contain any privilege for shedding the bulkheads. Form of lease forwarded to the Corporation Counsel March 27 for approval.

(d) Directing that title to Pier, old 36, East river, with 172 feet of bulkhead in front of and adjoining said pier shall vest in the City on a date thirty days after the filing of the oaths of the Commissioners appointed in the proceedings for the condemnation of the property. Filed March 27.

2. Stating that the matter of the proposed lease of the Pier foot of Summerfield avenue, Mariner's Harbor, Borough of Richmond, is referred back to the Department for conference with the President of the Borough of Richmond; that the request of the Department for the speedy acquisition of the land required for ferry purposes at St. George, in the Borough of Richmond, is laid over; that the matter of the proposed lease of the bulkhead at the foot of Forty-seventh street, East river, to Owens & Co. is referred to the Comptroller and the President of the Board of Aldermen to determine upon a general policy to be followed with reference to long-term leases of unimproved water-front property; that the matter of the occupation of the West Seventy-ninth Street Pier by the New York Contracting and Trucking Company has been filed; that

the matter of the proposed lease of bulkhead and land south of Seventy-eighth street, North river, has been referred back to the Department for the preparation of a new plan for the improvement of the water-front at that point, and that the matter of the proposed lease of land under water north of One Hundred and Fifty-ninth street, Harlem river, Borough of Manhattan, to the Interborough Rapid Transit Company has been referred to the Commissioner of Parks for consideration. Filed March 27.

From the Board of Estimate and Apportionment—

Transmitting certified copy of resolution adopted March 24, recommending to the Board of Aldermen the establishment of the position of Assistant Engineer for this Department at the rate of \$4,000 per annum. Filed March 30.

From the City Clerk—

Transmitting copy of resolution adopted by the Board of Aldermen March 21 and approved by the Mayor March 28, 1905, authorizing the issuance of Corporate Stock to an amount not exceeding \$3,000,000 for the uses and purposes of this Department. Filed March 28.

From the Finance Department—

1. Stating that the Comptroller's certificates have been attached to Contract No. 902 for coal and to Contract No. 906 for the services of Millard & Maclean as architects. Filed March 24.

2. Requesting to be advised as to whether this Department has use for the land westerly of the marginal street between Ninety-fourth and Ninety-fifth streets, and between Ninety-sixth and Ninety-seventh streets, East river. Notified March 25 that the property was surrendered by the Department to the Commissioners of the Sinking Fund on August 2, 1894.

3. Approving sureties on Contract No. 879 for repairing asphalt pavement and on Contract No. 897 for building a pier at Burling slip, East river. Contracts ordered executed March 28.

4. Submitting substitution of Thomas Conville and William Volk as sureties in the place of M. J. Kane and M. J. Jennings on the estimate of the New York Construction Company for extending the pier at the foot of Thirty-fifth street, East river, under Contract No. 878. Consent granted for substitution March 28.

5. Approving surety on Contract No. 898 for building lateral extension to Pier, new 32, East river. Contract ordered executed March 29.

From the Corporation Counsel—

1. Requesting information as to the occupation of land and land under water in Jamaica Bay, Borough of Queens, without authority. Information furnished March 27 to the effect that Benjamin Shaw, Henry Carpenter, Leopold Marx, John M. Galletly, Thomas H. Williams, John Leonhardt, Fred. Gessler, John Miller, Morris Brady, the Marion Boat Club and William R. Moore, are occupying property at Broad channel; that William Campbell is occupying property at Big Egg Marsh; that Alvin Reinhart is occupying property at the Raunt; that Sebastian Hesbach is occupying property at Goose creek; that Robert Herbst and E. Powell are occupying property at Rulers Bar Hassock; that John Falk, William H. Murray and John Paskey are occupying property at Swift creek; that Fred. Conklin is occupying property at Broad Creek Marsh, and that there is a house formerly occupied by one McKay, but which is now vacant, adjoining the railroad trestle at Beach channel.

2. Approving blank forms of Contract No. 910 for sprinkling, and Contract No. 903 for extending and repairing the Pier foot of West One Hundred and Fifty-eighth street, North river. Contracts ordered advertised March 28.

3. Approving blank forms of Contract No. 909 for ice, and Contract No. 914 for rip-rap stone. Contracts ordered advertised March 30.

4. Stating that the action of Clifford L. Miller against the City, in which judgment was entered requiring the City authorities to bulkhead and dredge Cromwell's creek, Harlem river, has been settled by the Comptroller, and that it will not therefore be necessary to dredge the creek or to take any further action with reference to the judgment. Filed March 30, and all action toward printing and advertising Contract No. 812 for the dredging ordered suspended.

From Charles E. Miller—

Requesting credit account for general wharfage. Granted March 27.

From Mary Ann Bodine—

Transmitting notice of application to be made by her to the Commissioners of the Land Office for a grant of lands under water in the Kill von Kull in the First Ward of the Borough of Richmond. Corporation Counsel notified March 28.

From William J. Hyland—

Requesting lease of lands at the foot of the lane leading from Westchester to Throgg's Neck. Referred to the Corporation Counsel March 28 for advice as to the ownership of the property.

From Charles W. Davis—

Requesting rebate in the rental fixed for the berthing of the steamer "Mary E. Gordon" at Pier, old 54, East river, for a period from January 28 to March 6, 1905, as the boat was not in commission during that period. Denied March 28.

From the New York State Construction Company—

Requesting an extension of time within which to complete the work of repairing and extending the Pier at the foot of Thirty-sixth street, East river, under Contract No. 882. Extension granted March 28 to and including April 10.

From William Van Ahnen—

Transmitting list of persons occupying lands under water in Jamaica Bay, Borough of Brooklyn, for shell fish cultivation under leases from the Commissioners of Fisheries, Game and Forest of the State of New York, and asking that for their protection leases of the land be also granted by the City. Corporation Counsel requested March 29 to advise as to what action should be taken in the matter.

From the Brown & Fleming Contracting Company—

Requesting an extension of time for the deliveries of rip-rap under Class II. of Contract No. 829. Extension granted March 30 to and including March 23.

From William H. Jenks—

Requesting an extension of time within which to complete the construction of Pier, new 58, North river, under Contract No. 875. Extension granted March 30 to and including May 24, 1905.

From the New York Board of Trade and Transportation—

Asking the reservation of piers along the water front for the accommodation of public wharfage. Filed March 30.

From J. L. Keating & Co.—

Requesting permission to occupy space for the storage of sand and broken stone in rear of the bulkhead between Eighteenth and Nineteenth streets, East river. Notified March 30 that there is no unoccupied space at that locality.

From the Cygnet Club—

Requesting new lease of property at the foot of Eighty-fourth street, East river, for boathouse purposes. Commissioners of the Sinking Fund requested March 30 to approve the granting of a new lease of the premises for a term of three years from July 1, 1905, at a rental of \$150 per annum.

From the Engineer-in-Chief—

1. Reporting that the deliveries of rip-rap stone under Class II. of Contract No. 829 were completed March 20, 1905. Filed March 24.

2. Submitting specifications and form of contract for rip-rap stone. Approved March 25 and ordered advertised as Contract No. 914.

3. Reporting that the erection of a third-story addition to the shed on Pier "A," North river, under Contract No. 868 was completed March 24, 1905. Filed March 27.

4. Report for the week ending March 18, 1905, regarding progress and completion of work under his supervision. Filed March 27.

5. Submitting map showing "new plan" laid out for the improvement of water front in the immediate vicinity of Fordham road, Harlem river, Borough of The Bronx. Plan adopted March 28 and forwarded to the Commissioners of the Sinking Fund for approval.

6. Reporting that the deliveries of rip-rap under Class II. of Contract No. 895 were commenced March 29, 1905. Filed March 29.

7. Submitting plans, specifications and form of contract for building a new pier to be known as Pier 59, near the foot of West Eighteenth street, North river. Approved March 30 and ordered printed as Contract No. 915.

8. Submitting, on Bureau Order No. 2917, plans, specifications and form of contract for building a new pier, to be known as Pier 11, between Gouverneur lane and Jones lane, East river. Approved March 30, and ordered printed as Contract No. 916.

The following orders were issued to the Engineer-in-Chief in accordance with his recommendation, except where otherwise noted:

March 24. To dredge in the half slip adjoining the southerly side of Pier 47, North river, under Contract No. 880, as per request of A. E. Outerbridge & Co., agents for the Quebec Steamship Company.

March 27. To repair, when necessary, the unleased portions of the Pier, foot of Thirty-ninth street, North river, at a cost not to exceed \$975 in the aggregate.

March 27. To repair, when necessary, the unleased portions of the pier at the foot of Fifty-fifth street, North river, at a cost not to exceed \$975 in the aggregate.

March 27. To repair, when necessary, the northerly half of the pier at the foot of Thirty-fifth street, North river, at a cost not to exceed \$975 in the aggregate.

March 27. To dredge, under Contract No. 857, in the half slips adjoining the pier at the foot of One Hundred and Nineteenth street, Harlem river, as requested by the North River Ice Company.

March 27. To dredge in the half slip adjoining the northerly side of the West Twenty-fourth Street Pier, North river, under Contract No. 880, as requested by the Anchor Line.

March 30. To place wire netting on the outside of the stairways leading to the recreation pier at the foot of Market street, East river, as per recommendation of the Dock Superintendent.

March 30. To prepare plans, specifications and form of contract for the construction of a pier at the foot of One Hundred and Twentieth street, Harlem river, as requested by the East Side Citizens' and Taxpayers' Association.

March 30. To dredge under Contract No. 849 along the southerly side of the pier at the foot of One Hundredth street, Harlem river, as requested by William M. Montgomery.

The following Department orders were issued during the week:

Order No.	Date.	Issued to.	For	Amount.
22534	Mar. 24	Joseph Rahl.....	Fifteen days' sprinkling....	\$393 75
22535	Mar. 27	John C. Orr.....	Doors, etc.....	41 00
22536	Mar. 27	Krystaleid Cooler Supply Company....	Distilled water, per 5-gallon demijohn	50
22537	Mar. 28	Krystaleid Cooler Supply Company....	Distilled water, per 5-gallon demijohn	50
22538	Mar. 29	Mutual Towel Supply Company.....	Towel supply.....	40 00
22539	Mar. 30	John P. Flannery.....	Towing, per hour.....	6 45

The Auditor reported that the following claims were audited and transmitted to the Finance Department for payment:

Audit No.	Name.	Amount.
23035	Maryland Steel Company, Estimate No. 7, Contract No. 846.....	\$178,290 90
23036	R. G. Packard Company, Estimate No. 11 and final, Contract No. 749	6,712 78
23037	Thornton N. Motley, cast iron wheels.....	179 10
23038	Sherman, Brown, Clements Company, life preservers.....	93 90
23039	R. G. Packard Company, Estimate No. 5, Contract No. 849.....	6,729 53
23040	The Kathairo Company, disinfectants.....	438 00
23041	Locomobile Company of America, repairs, etc.....	58 53
23042	Martin B. Brown Company, printing minutes.....	366 70
	Weekly pay-roll for week ending March 24, 1905.....	\$22,096 00
	Total.....	\$214,965 44

The Cashier reported the following moneys received and deposited during the seven days ending March 29, 1905:

Date.	From Whom.	For What.	Amount.	Total.
Mar. 23	B. Campbell & Co.....	One month's rent space in rear of bulkhead south of Thirty-fourth street, North river..	\$25 00	
Mar. 23	B. Campbell & Co.....	One month's rent space in rear of bulkhead north of Tenth street, North river.....	25 00	
Mar. 23	Metropolitan Street Railway Company	One month's rent new-made land between Forty-third and Forty-fourth streets, North river	125 00	
Mar. 23	S. Stewart.....	One month's rent coal hoist and berth outer end north side of Pier at Twenty-eighth street, East river.....	50 00	
Mar. 23	Baltimore and Ohio Railroad Company	Three months' rent land under water platform east and west of Pier 27, East river....	268 75	
Mar. 23	Baltimore and Ohio Railroad Company	Three months' rent land under water extension to platform between Piers 26 and 27, East river.....	111 50	
Mar. 23	Baltimore and Ohio Railroad Company	Three months' rent car tracks on marginal street between Piers 55 and 56, North river.....	12 50	
Mar. 23	Baltimore and Ohio Railroad Company	Three months' rent float bridge between Piers, new 55 and 56, North river.....	629 56	
Mar. 23	Baltimore and Ohio Railroad Company	Three months' rent Pier foot of Thirty-seventh street, East river	500 00	
Mar. 23	Baltimore and Ohio Railroad Company	One month's rent platform and awning shed at approach to Pier, new 22, North river.	16 00	
Mar. 23	Hecker-Jones-Jewell Milling Company	Three days' rent berth for wheat elevator west side of Pier 30, East river.....	15 00	
Mar. 23	James J. Duffy.....	One month's rent space between Twenty-eighth and Twenty-ninth streets, North river..	25 00	
Mar. 23	James J. Duffy.....	One month's rent space between Twenty-eighth and Twenty-ninth streets, North river..	25 00	
Mar. 23	Michael Grant.....	One month's rent space between Twenty-eighth and Twenty-ninth streets, North river..	25 00	
Mar. 23	Howland Many.....	One month's rent south half of bulkhead between Piers 5 and 6, East river.....	25 00	
Mar. 23	Patterson & Elder.....	Three months' rent 200 feet bulkhead north from southern bulkhead at Wallabout, Brooklyn	375 00	
Mar. 20	Terrence Montague.....	Cost removing truck from Pier 31, North river, to Pound..	3 00	
Mar. 22	John Wittmeyer.....	Cost of removing truck from Watts street, North river, to Pound	3 00	

Date.	From Whom.	For What.	Amount.	Total.
Mar. 24	Collectors	Wharfage, Manhattan, November, 1904	2 00	
Mar. 24	Collectors	Wharfage, Manhattan, December, 1904	351 50	
Mar. 24	Collectors	Wharfage, Brooklyn, December, 1904	54 00	
Mar. 24	Collectors	Wharfage, Queens, December, 1904	15 00	
Mar. 24	Collectors	Wharfage, Manhattan, January, 1905	510 31	
Mar. 24	Collectors	Wharfage, Brooklyn, January, 1905	95 03	
Mar. 24	Collectors	Wharfage, Manhattan, February, 1905	341 10	
Mar. 24	Collectors	Wharfage, Brooklyn, February, 1905	72 80	
Mar. 24	Collectors	Wharfage, Queens, February, 1905	7 00	
		Deposited March 24, 1905.....		\$3,708 05
Mar. 28	Shanley & Ryan.....	Six months' rent land under water, Pier at Delancey street, East river.....	\$750 00	
Mar. 28	Empire Brick and Supply Company	One month's rent space on bulkhead foot of One Hundred and Fortieth street, North river	25 00	
Mar. 28	Empire Brick and Supply Company	One month's rent space between Fifty-first and Fifty-second streets, North river.....	25 00	
Mar. 29	John Gallagher.....	One month's rent space in rear of bulkhead between Fifty-third and Fifty-fourth streets, North river.....	25 00	
Mar. 29	John Gallagher.....	One month's rent space in rear of bulkhead between Twenty-third and Twenty-fourth streets, North river.....	25 00	
Mar. 28	August Schaefer.....	One year's rent Lot No. 134 at Goose creek, Jamaica Bay, Borough of Queens.....	10 00	
Mar. 27	Consolidated Telegraph and Electric Subway Company.	Cost supervision of relaying pavement at foot of East One Hundred and Sixteenth street, Harlem river.....	5 50	
Mar. 28	Metropolitan Yacht Club....	Cost of driving three piles north of One Hundred and Twenty-second street, Harlem river, to hold float.....	19 50	
Mar. 28	Dock Masters.....	Wharfage, Manhattan, March, 1905	710 47	
Mar. 28	Dock Masters.....	Wharfage, Brooklyn, March, 1905	72 67	
Mar. 28	Dock Masters.....	Wharfage, Queens, March, 1905.	4 30	
Mar. 29	Collectors	Wharfage, Manhattan, November, 1904	2 30	
Mar. 29	Collectors	Wharfage, Manhattan, December, 1904	50 00	
Mar. 29	Collectors	Wharfage, Manhattan, January, 1905	383 27	
Mar. 29	Collectors	Wharfage, Brooklyn, January, 1905	39 35	
Mar. 29	Collectors	Wharfage, Manhattan, February, 1905	357 42	
Mar. 29	Collectors	Wharfage, Brooklyn, February, 1905	54 88	
Mar. 29	Collectors	Wharfage, Queens, February, 1905	2 24	
Mar. 29	Collectors	Wharfage, Manhattan, March, 1905	115 52	
		Deposited March 29, 1905.....		2,677 42
		Total		\$6,385 47

The following actions were taken concerning employees:

Inspectors of Dredging—Thomas P. McDonough, Jacob Miller and Peter F. O'Brien—

Promoted, March 24, from the position of Sounder to that of Inspector of Dredging, with compensation at the rate of \$1,200 per annum, to commence April 1, 1905, as per certification of the Municipal Civil Service Commission.

Joseph Levy, Foreman Laborer—

Wages restored, March 25, to 43 cents per hour, while employed, to take effect immediately, as per communication from the Engineer-in-Chief.

William Love, Captain of Pile Drivers—

Wages fixed, March 25, at \$30 per week, to take effect immediately.

Thomas Burns, Foreman Laborer—

Name taken from list of employees, March 27, to take effect April 1, 1905, he having been transferred to the Department of Bridges, to take effect on that date.

Thomas Burke, Dock Laborer, and Andrew O'Hare, Laborer—

Names dropped from list of employees March 28 for failure to work within a period of thirty days, as per report of the Dock Superintendent.

Charles McDermott and J. L. Reilly, Attendants, and Annie Foley, Cleaner—

Name dropped from list of employees March 30, for failure to report for duty, as per report of the Dock Superintendent.

Dock Laborer—The following persons were appointed March 29 to the position of Dock Laborer, with compensation at the regular rate:

Timothy B. Mullins.	Eugene Morrissey.
Caspar Crom.	Matthew J. Alexander.
Eugene Neary.	William Walsh.
Richard O'Connor.	James Biglin, Jr.
Daniel Rooney.	John C. O'Rourke.
Thomas R. Daly.	Charles P. Rafferty.
Hugh Gallagher.	John Sweeney.
David Halpin.	James Weaver.
Charles J. Sheil.	John A. Noone.
Andrew O'Brien.	Michael Nolan.
Maurice M. Pope.	James Murphy.
Thomas F. Oats.	Fred Jutjens.
Joseph Hickey.	Thomas Devins.
Bernard Mulligan.	Richard Reilly.
Patrick F. McDonald.	Michael McMahon.
Isaac Specter.	William Clifford.
Antonio Volpe.	Walter H. Arnold.
Matthew Casey.	Leo A. Boyle.
Thomas F. Gallagher.	Albert J. Meehan.
John J. Byrnes.	Peter Conlon.
Owen Duffy.	James Cush.
Frank Murphy.	John J. O'Neill.
John J. Fallon.	Harry Zekind.
James Gerreghty.	John J. Drennan.
Thomas F. Leonard.	Bernard O'Neill.
Bartholomew Casey.	Louis Dossik.
Walter T. Wood.	Andrew J. Roach.
Frank Ettinger.	Terence Teaney.
George Wagner.	Jos. P. Treanor.
James J. Harrington.	

CHARLES J. COLLINS, Secretary.

DEPARTMENT OF HEALTH.

WEEK ENDING SATURDAY, 12 M., AUGUST 19, 1905.

BOROUGH.	POPULATION U. S. CEN- sus 1900.	ESTIMATED POPULATION MIDDLE OF YEAR 1905.	DEATHS.					DEATH-RATE.		
			1904.	1905.	* Cor- rected, 1905.	Births.	Marriages.	Still- births.	1904.	1905.
Manhattan	1,850,093	1,962,829	672	659	614	1,140	460	73	18.07	17.52
The Bronx	200,507	224,774	94	81	77	125	25	3	16.63	13.04
Brooklyn	1,166,582	1,379,703	421	451	426	650	186	30	16.46	17.05
Queens	152,999	204,947	66	63	62	90	18	4	17.80	16.04
Richmond	67,021	76,478	38	27	25	54	11	..	26.61	18.42
City of New York..	3,437,202	3,948,191	1,291	1,281	1,204	2,065	700	110	17.55	16.93

* Non-residents and infants under 1 week old not included.

† The presence of several large institutions, the great majority of whose inmates are residents of the other boroughs, increases considerably the death-rate of this borough.

Cases of Infectious and Contagious Diseases Reported.

	WEEK ENDING—											
	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug. 5.	Aug. 12.
Tuberculosis Pulmonalis	470	393	339	373	462	418	395	371	365	342	421	463
Diphtheria and Croup	331	320	322	281	207	235	261	187	181	166	193	117
Measles	888	727	770	746	769	632	447	458	347	274	223	178
Scarlet Fever	184	152	152	142	104	83	74	50	62	54	47	41
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..
Varicella	141	113	120	108	115	109	24	34	43	14	17	14
Typhoid Fever	32	38	49	45	50	47	59	94	128	141	122	252
Whooping Cough	78	73	106	66	52	81	52	43	51	82	45	66
Cerebro Spinal Men- ingitis	76	71	52	63	42	35	27	34	39	21	24	16
Total	2,200	1,888	1,911	1,829	1,801	1,641	1,339	1,271	1,216	1,044	1,076	1,151

* Contracted outside of city.

a. Includes nine cases of measles and one of varicella from Ellis Island.

b. Includes five cases of measles from Ellis Island.

c. Includes nine cases of measles, two varicella and one scarlet fever from Ellis Island.

d. Includes twenty-five cases of measles and three of varicella from Ellis Island.

e. Includes twenty-two cases of measles, one of varicella and one of scarlet fever from Ellis Island.

f. Includes thirteen cases of measles and one of varicella from Ellis Island.

g. Includes eighteen cases of measles, one of varicella and one of scarlet fever from Ellis Island.

h. Includes fourteen cases of measles and two of varicella from Ellis Island.

i. Includes sixteen cases of measles and three of varicella from Ellis Island.

j. Includes three cases of measles and one of scarlet fever from Ellis Island.

k. Includes eight cases of measles and two of scarlet fever from Ellis Island.

l. Includes six cases of measles and one of varicella from Ellis Island.

m. Includes fifteen cases of measles from Ellis Island.

Deaths by Principal Causes, According to Locality and Age.

BOROUGH.	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.
Manhattan ..	17	..	6	13	145	134	55	4	21	33	4	1
The Bronx ..	5	..	..	..	16	16	17	..	..	..	..	..
Brooklyn ..	27	..	5	3	100	96	34	6	18	5	5	..
Queens ..	3	..	..	..	27	5	1	..	..	..	..	..
Richmond ..	..	..	..	..	11	4	..	..	..	..	..	..
Total	52	..	12	16	299	284	115	11	44	44	10	1

Deaths According to Cause, Age and Sex.

	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.
Total, all causes	1,281	1,291	721	560	403	111	57	571	47	65	249	212
1. Typhoid Fever	25	20	14	11	..	..	..	..	..	..	..	..
2. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..
3. Small-pox	..	..	..	..	..	..	..	..	..	..	..	..
4. Measles	5	7	4	1	3	3	..	..	..	..	..	..
5. Scarlet Fever	3	5	..	3	..	..	..	..	..	..	..	..
6. Whooping Cough	12	26	7	5	7	5	..	..	..	..	..	..
7. Diphtheria and Croup	19	26	10	9	3	6	7	16	2	..	..	..
8. Influenza	..	..	..	..	..	..	..	..	..	..	..	..
9. Other Epidemic Dis- eases	8	7	6	2	3	1	..	4	..	..	..	..
10. Tuberculosis Pul- monalis	115	130	79	36	2	..	..	3	5	21	65	20
11. Tubercular Menin- gitis	2	9	1	1	..	..	..	2	..	..	..	..
12. Other forms of Tu- berculosis	7	8	5	2	2	1	..	3	1	..	..	..
13. Cancer, Malignant Tumor	55	49	22	23	..	..	..	..	..	..	14	16
14. Simple Meningitis	23	24	11	12	6	2	6	13	4	2	2	..
15. Of which	..	..	..	..	..	..	..	..	..	..	..	..
16. Cerebro Spinal Meningitis	16	6	7	9	4	1	3	8	4	1	2	..
17. Apoplexy, Conges- tion and Softening of the Brain	33	39	12	21	..	..	..	..	..	..	5	12
18. Organic Heart Dis- eases	77	89	36	41	1	..	..	1	3	4	22	21
19. Acute Bronchitis	11	17	5	6	7	2	..	9	..	..	..	..
20. Chronic Bronchitis	1	1	..	..	..	..	..	..	..	..	..	..
21. Pneumonia (exclud- ing Broncho Pneu- monia)	41	49	32	12	3	5	7	15	..	2	10	13
22. Broncho Pneumonia	44	49	27	17	15	13	4	32	1	..	5	1
23. Diseases of the Stomach (Cancer excepted)	2	4	2	1	1	..	..	1	..	..	1	..
24. Diarrhoeal Diseases under 5 years	284	264	154	130	113	59	12	284	..	..	..	..
25. Hernia, Intestinal Obstruction	19	10	7	12	1	..	..	1	1	1	4	7
26. Cirrhosis of Liver	15	18	9	6	..	..	..	..	..	..	5	9
27. Bright's Disease and Nephritis	90	81	49	41	1	1	..	2	4	3	15	39
28. Diseases of Women (not Cancer)	2	5	..	2	..	..	..	..	..	..	2	..
29. Puerperal Septic- emia	5	3	..	5	..	..	..	..	..	..	1	..
30. Other Puerperal Dis- eases	7	5	..	7	..	..	..	..	1	2	3	1
31. Congenital Debility and Malformations	58	86	51	37	88	..	..	88	..	..	..	..
32. Old Age	11	10	4	7	..	..	..	..	..	..	..	..
33. Violent Deaths	99	94	70	22	3	1	10	14	12	12	36	15
34. a. Suicide	4	..	4	..	..	..	..	1	1	1	1	..
b. Homicide	77	76	58	19	3	1	9	13	11	9	30	11
c. Sudden	1	16	1	..	..	..	..	..	..	..	..	..
d. All other causes	141	146	84	57	12	5	6	23	10	10	41	35
35. Ill-defined causes	40	33	19	21	33	7	..	40	..	..	..	..

* Includes one death of an immigrant removed to Kingston Avenue Hospital, Brooklyn.

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—											
	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug. 5.	Aug. 12.
Total deaths	1,295	1,220	1,342	1,269	1,302	1,404	1,503	1,741	2,119	1,564	1,449	1,507
Annual death-rate	17.11	16.12	17.73	16.77	17.20	18.55	19.86	23.01	28.00	20.66	19.15	19.91
Typhoid Fever	4	4	10	13	6	9	13	12	26	18	13	27
Malarial Fevers	1	1	1	..	..	5	2	2	1	2	2	..
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..
Measles	19	17	18	31	25	13	16	17	14	13	8	9
Scarlet Fever	15	14	13	5	9	4	..	5	3	4	1	..
Whooping Cough	12	6	9	10	8	8	11	15	13	8	16	12
Diphtheria and Croup	26	27	30	31	24	20	20	27	26	13	21	25
Influenza	3	..	..	..	..	3	..	..	2	..	..	..
Cerebro Spinal Menin- gitis	60	60	57	42	34	22	29	32	27	10	12	19
Tuberculosis Pulmonalis	163	142	167	162	148	145	167	136	150	141	141	115
Other Tuberculosis	23	26	17	18	31	17	17	26	21	22	22	16
Acute Bronchitis	23	27	20	20	20	23	19	15	13	19	14	21
Pneumonia	87	87	82	62	67	54	37	48	35	43	36	50
Broncho Pneumonia	75	85	84	58	65	60	70	56	55	44	41	54
Diarrhoeal Diseases	43	48	77	91	166	280	376	479	683	483	371	306
Violent Deaths	36	43	67	84	152	261	359	454	659	455	347	313
Under one year	261	232	258	285	346	440	542	636	825	587	494	464
Under five years	423	385	429	432	536	585	714	826	1073	771	669	636
Five to sixty-five	708	658	720	680	606	636	615	712	717	636	701	573
Sixty-five years and over	164	177	184	157	160	183	174	203	229	157	174	170
In Public and Private Institutions	400	391	416	415	396	419	457	513	610	460	450	448
Inquest cases	187	183	210	198	176	198	177	214	305	220	196	211
Mean barometer	29.999	29.935	29.902	29.929	29.934	29.878	29.968	30.028	29.885	29.922	29.812	29.956
Mean humidity	70.	74.	74.	82.	79.	69.	82.	77.	64.	69.	69.	75.
Inches of rain and snow	..	..	..	..	..	..	..	..	..	..	..	..
Mean temperature (Fahrenheit)	63.3°	65.7°	66.5°	75.°	72.5°	70.9°	75.7°	82.4°	81.1°	72.8°	73.9°	80.°
Maximum temperature (Fahrenheit)	77.°	79.°	84.°	87.°	91.°	86.°	87.°	92.°	96.°	83.°	85.°	92.°
Minimum temperature (Fahrenheit)	47.°	53.°	52.°	66.°	59.°	56.°	67.°	70.°	66.°	63.°	63.°	61.°

Infectious and Contagious Diseases in Hospital.

	WILLARD PARKER HOSPITAL.			RIVERSIDE HOSPITAL.					KINGSTON AVENUE HOSPITAL.				
	Scarlet Fever.	Diph- theria.	Total.	Diph- theria.	Measles.	Scarlet Fever.	Tuber- culosis Pulmon- alis.	Total.	Diph- theria.	Measles.	Scarlet Fever.	Small- pox.	Total.
Remaining Aug. 12, 1905	Under going repair.			38	20	20	78	185	8	64	43	1	116
Admitted				14	10	3	4	28	4	10	9	..	32
Discharged.....				8	5	5	2	20	4	7	4	..	15
Died.....				1	..	..	1	4	3	..	2	..	5
Remaining Aug. 19, 1905.				63	30	17	79	189	5	76	46	1	128
Total treated.....				72	37	22	82	213	12	83	52	1	148

BOROUGH.	WARDS.	SICKNESS.					DEATHS REPORTED.									
		Diphtheria and Croup.	Measles.	Scarlet Fever.	Small-pox.	Typhoid Fever.	Tuberculosis Pulmonalis.	Diphtheria and Croup.	Measles.	Scarlet Fever.	Small-pox.	Typhoid Fever.	Tuberculosis Pulmonalis.	Pneumonia.	Broncho Pneumonia.	All Causes.
Richmond.	First.....	1	1	..	..	2	2	..	..	..	..	..	3	..	1	9
	Second.....	..	..	1	..	3	1	..	..	..	..	..	1	..	..	3
	Third.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Fourth.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Fifth.....	..	..	2	..	..	..	..	..	..	..	..	..	1	..	3
Total.....		1	1	3	..	5	4	..	..	..	..	..	4	2	1	27

General Work of the Department.

Total inspections of premises.....	38,437
" orders issued for abatement of nuisances.....	687
" inspections of milk and other foods.....	19,145
" pounds of food condemned and destroyed.....	283,946
" chemical analyses made.....	159
" bacteriological examinations made for diphtheria.....	378
" bacteriological examinations made for tuberculosis.....	328
" vaccinations performed.....	456
" children's employment certificates granted.....	136
" children's employment certificates refused.....	63
" medical inspections of schools.....	Vacation.

Analysis of Croton Water, August 17, 1905.

	RESULTS EXPRESSED IN GRAINS PER U. S. GALLON OF 231 CUBIC INCHES.	RESULTS EXPRESSED IN PARTS BY WEIGHT IN ONE HUNDRED THOUSAND.
Appearance.....	Turbid.	Turbid.
Color.....	Yellowish brown.	Yellowish brown.
Odor (Heated to 100° Fahr.).....	Slightly marshy.	Slightly marshy.
Chlorine in Chlorides.....	0.149	0.255
Equivalent to Sodium Chloride.....	0.245	0.420
Phosphates (P ₂ O ₅).....	None.	None.
Nitrogen in Nitrates.....	0.0146	0.0250
Nitrogen in Nitrates.....	0.0035	0.0060
Free Ammonia.....	0.0082	0.0140
Albuminoid Ammonia.....	2.24	3.84
Hardness equivalent to Carbonate of Lime (Before boiling).....	2.22	3.80
Organic and volatile (loss on ignition).....	0.88	1.50
Mineral matter (non-volatile).....	4.02	6.90
Total solids (by evaporation).....	4.90	8.40

Temperature at hydrant, 70° Fahr.

Analysis of Ridgewood Water, August 15, 1905.

	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.....	Very light yell. brown.	Very light yell. brown.
Odor (Heated to 100° Fahr.).....	Very slightly marshy.	Very slightly marshy.
Chlorine in Chlorides.....	0.513	0.880
Equivalent to Sodium Chloride.....	0.845	1.450
Phosphates (P ₂ O ₅).....	None.	None.
Nitrogen in Nitrates.....	0.0816	0.1400
Nitrogen in Nitrates.....	0.0005	0.0008
Free Ammonia.....	0.0016	0.0028
Albuminoid Ammonia.....	1.52	2.60
Hardness equivalent to Carbonate of Lime (Before boiling).....	1.52	2.60
Organic and volatile (loss on ignition).....	1.37	2.35
Mineral matter (non-volatile).....	2.71	4.65
Total solids (by evaporation).....	4.08	7.00

Temperature at hydrant, 72.5° Fahr.

POLICE DEPARTMENT.

New York, August 15, 1905.

The following proceedings were this day directed by Acting Police Commissioner Thomas F. McAvoy:

Approved.

Application of Sergeant Patrick Corcoran, in command of the Thirty-third Precinct, to be excused for 12 hours on the 16th inst.

Referred to the Chief Inspector.

Communication from A. Lieberknecht, forwarding affidavit of one Jucker Wachstun, of Switzerland, relative to one Luigi Riva, who is supposed to have killed his employer in New York. For report.

Communication from Casimere Gosbreski, preferring charges against Detective Joseph A. Phelan, Fifteenth Precinct. For report.

Communication from Samuel Precker, commending Patrolman Hedemen, Sixteenth Precinct, and Patrolman Lorch, Twelfth Precinct, for bravery at a fire. For report.

Communication from Hon. Edmond J. Butler, Commissioner of Tenement House Department, asking that an order be issued for the arrest of any person found wearing or having in his possession official badge No. 151, "Tenement House Department Inspector," said badge having been lost. To issue necessary order.

Applications for appointment of Special Officers as follows:

John A. Sessler, for Charles Whitmore.

Trunk Line Association, for P. H. Gallaher.

Lew Parker, Circle Theatre, for Simon Breen.

Long Island Railroad Company, for James J. Giles, John Fleming, Herman Feurhahn, George Fernandez, Charles H. Hackney, Joseph Van Roy, John Sullivan, Frank P. Laney, August W. Imor, James Leonard, Jerome Reid, Daniel J. Linehan, Edward F. Lynch, Martin Ensley.

Referred to Superintendent of Telegraph.

Communication from S. A. Allen, Superintendent of Construction, New York Telephone Company, relative to removal of Police wires from poles on Boston road, The Bronx. For attention.

Referred to Commanding Officer, Traffic Bureau.

Communication from Walter B. Brown, relative to new schedule and system of transportation to divert traffic from Brooklyn Bridge to South Ferry, and asking that traffic be regulated at Staten Island Ferry. Through First Deputy Commissioner for report.

Granted.

Permission to Bethlehem Foundry and Machine Company to photograph the stairs of the Charles Street Station-house, which were put up by them. Chief Clerk to notify.

Ordered, That the Board of Aldermen be and is hereby respectfully requested to authorize the Police Commissioner to expend the sum of nine hundred and eighty dollars (\$980) for labor and materials furnished in connection with the ceremonies of laying the cornerstone at the New Police Headquarters on May 6, 1905, in pursuance of section 39 of the Greater New York Charter, such expenditure being chargeable to the appropriation to the Police Department entitled "Police Department Fund—Sites and Buildings," which is sufficient to meet the same.

Appointment of Special Patrolmen Revoked.

Frederick Deboesche, employed by Long Island Railroad Company.

Chris Edwards, employed by Louis Stauch, Brooklyn.

Special Patrolmen Appointed.

Augustus Miller, for John B. Fitzpatrick, American Theatre, Manhattan.

Benjamin F. Vandervoort, for Harry Jame, Manhattan.

Harry Pincus, for J. P. Loerberg and M. Lancet, Manhattan.

Adolph S. Wasserman, for Spear & Co., Manhattan.

Retired on Application.

Patrolman Timothy Donohue, Thirty-third Precinct, at \$700 per annum. Appointed November 3, 1877.

Chief Clerk to Answer.

Walter C. Mack, asking if his employment by the H. Woods Amusement Company will affect the granting of license for Third Avenue Theatre.

Concert License Granted.

Dreamland, Surf avenue and West Eighth street, Coney Island, Brooklyn, August 4 to November 4, 1905; fee, \$150.

Notice of Death.

Patrolman Stephen A. Niland, Twenty-fifth Precinct, a. m., the 15th inst.

Full Pay Granted.

Patrolman Eugene J. Barry, Third Precinct, July 27 to August 2, 1905.

Patrolman John Healy, Forty-second Precinct, June 19 to August 1, 1905.

Leave of Absence Granted.

Detective Sergeant Walter S. Granville, Detective Bureau, Manhattan, 15 days without pay. Release signed.

Patrolman James T. Campbell, Sixtieth Precinct, 90 days' sick leave.

Inspector William W. McLaughlin, Fourth District, 10 days without pay, in addition to regular vacation. Release to be signed.

Captain James P. White, Forty-sixth Precinct, 20 days' vacation.

On File.

Communication from John Sadair, requesting that members of the Police Force who are Spanish War Veterans be excused from duty from August 20 to 23, 1905.

Report of Captain Henry C. Velsor, Fifty-eighth Precinct, relative to assault on Patrolman William Simpson.

Report of James Moore, Equipment Clerk, for the month of July, 1905.

Referred to the Corporation Counsel.

Summons, complaint, etc., Supreme Court, New York County, case Cornelius Delaney, No. 988 Eighth avenue, against Isaac A. Hopper, Superintendent of Buildings, et al. With request that counsel be assigned to defend.

Summons, complaint, Supreme Court, New York County, case Thomas P. Tynan, No. 910 Eighth avenue, against Isaac A. Hopper, Superintendent of Buildings, et al. With request that counsel be assigned to defend.

Summons, complaint, etc., Supreme Court, New York County, case John J. Sullivan, No. 72 West Thirty-sixth street, against William McAdoo, Police Commissioner, and Captain John W. Cottrell. With request that counsel be assigned to defend.

Summons, complaint, etc., Supreme Court, New York County, case Edward T. Healy, No. 482 Third avenue, against William McAdoo, Police Commissioner, and Captain Michael Naughton. With request that counsel be assigned to defend.

ARTHUR BLOT, First Deputy Clerk.

POLICE DEPARTMENT.

August 16, 1905.

The following proceedings were this day directed by Acting Police Commissioner Thomas F. McAvoy:

Referred to Superintendent of Telegraph.

Communication from (name illegible), asking that signal boxes be placed on Boulevard Lafayette and Fort Washington avenue. For report.

Referred to Borough Inspector Cross.

Opinion of Corporation Counsel on reports of Borough Inspector Cross and Captain Formosa relative to performances given at Nos. 55 and 101 Union street, Brooklyn, on Sundays. To furnish this office for transmission to the Corporation Counsel the necessary evidence to allow him to proceed as suggested herein.

Special Patrolman Resigned.

Thomas H. Parkinson, employed by Ferdinand Tordike, Queens.

Special Patrolman Appointed.

Emil B. Linde, for Jewish Bible Mission, Manhattan.

John J. Spencer, for I. S. Bushey and others, Brooklyn.

Granted.

Request of People's Vaudeville Company, for transfer of Special Officer Frederick Schwartz from Nos. 78 and 80 West One Hundred and Twenty-fifth street to No. 2781 Third avenue and Special Officer Thomas Neary from No. 2781 Third avenue to Nos. 78 and 80 West One Hundred and Twenty-fifth street.

Permission to Roundsman James Murray, Forty-fifth Precinct, to receive bronze medal and \$25, and a similar award to Patrolman John J. Gillen, Fiftieth Precinct, from Life-Saving Benevolent Association. With usual deduction. Award is approved.

Application of Patrolman Henry Lowy, Thirty-fifth Precinct, to be reimbursed for uniform blouse destroyed.

Disapproved.

Application of H. R. Hanlan & Son for appointment of Edward Ryan as Special Officer.

Referred to Inspector Repairs and Supplies.

Communication from American Surety Company, asking if contract with Electric Launch Company of Bayonne was satisfactorily completed. For report.

Leave of Absence Granted.

Patrolman Edward Gray, Twenty-fifth Precinct, 60 days' sick leave.

Captain William H. Hodgins, Fifth Precinct, 20 days' vacation.

On File, Send Copy.

Opinion of Corporation Counsel on communication from Forster, Hotaling & Klenke, relative to sale of ice at wholesale on Sundays.

Report of Captain Charles A. Formosa, Forty-fifth Precinct, on communication from Cornelius P. Kitchel, of the Legal Aid Society, relative to disposition of certain property, etc., of one Bernard Foglia.

Referred to the Corporation Counsel.

Summons, complaint, etc., Supreme Court, New York County, case Elizabeth Rurode, No. 41 Lexington avenue, against Isaac A. Hopper, Superintendent of Buildings, et al., with request that counsel be assigned to defend.

On reading and filing report of Adam A. Cross, Borough Inspector, Brooklyn and Queens, dated August 15, 1905.

Ordered, That Patrolmen Christian Waldeck and John C. Kearney of the Forty-fourth Precinct, who were on July 10, 1905, suspended from duty, be relieved of such suspension; and be it further

Ordered, That Patrolman Christian Waldeck, Forty-fourth Precinct, be temporarily assigned to duty in the Sixty-third Precinct, and Patrolman John C. Kearney, Forty-fourth Precinct, be temporarily assigned to duty in the Sixty-fifth Precinct, and the Chief Clerk be and is hereby directed to prepare payroll for salary withheld while under suspension.

Ordered, That consent be and is hereby given to the substitution of the Title Guaranty and Trust Company of Scranton, Pennsylvania, in place of Arthur C. Muhl-hahn and James F. Knapp, as sureties in the proposal of Cavanagh Brothers & Co.

Ordered, That consent be and is hereby given to the substitution of the Metropolitan Surety Company in place of the Empire State Surety Company, as sureties in the proposal of George Upington.

Ordered, That consent be and is hereby given to the substitution of the Metropolitan Surety Company in the place of John Kuesel and Henry Wulff, as sureties in the proposal of George E. Henry.

Ordered, That consent be and is hereby given to the substitution of the American Bonding Company of Baltimore, in the place of the Empire State Surety Company, as sureties in the proposal of George Reichard & Sons.

Ordered, That consent be and is hereby given to the substitution of the American Bonding Company of Baltimore, in place of the Empire State Surety Company, as sureties in the proposal of John P. Milliken.

Ordered, That consent be and is hereby given to the substitution of the American Bonding Company of Baltimore, in place of H. H. Peterson and N. W. Folsom, as sureties in the proposal of Neptune B. Smyth.

Ordered, That the following bills be approved and referred to the Bookkeeper for payment:

Account, "Contingent Expenses, Etc.," 1905.		
No.		
2291.	John McEnery, uniform, etc.	\$42 50
2292.	Nicholas Scherer, uniform, etc.	36 00
2293.	James J. Sheehy, uniform repaired.	5 50
2294.	Robert M. Shaw, trousers.	6 65
2295.	Patrick Casserly, expenses.	11 99
2296.	Thomas J. Collins, expenses.	9 85
2297.	Patrick J. Conroy, expenses.	7 32
2298.	Patrick J. Cosgrove, expenses.	6 00
2299.	Kearns Daly, expenses.	11 99
2300.	William Daly, expenses.	11 99
2301.	John F. Duncan, expenses.	2 55
2302.	Thomas E. Enright, expenses.	9 70
2303.	Thomas Gilligan, expenses.	10 61
2304.	Andrew J. Long, expenses.	18 27
2305.	Julius P. Morlong, expenses.	7 71
2306.	George Nicholson, expenses.	9 72
2307.	James J. Stokes, expenses.	28 90
2308.	Frederick Thomas, expenses.	18 80
2309.	Richard Walker, expenses.	10 65
2310.	William G. Hogan, expenses.	92 60
2311.	Edward J. Manchester, expenses.	38 55
2312.	Henry C. Mugge, expenses.	10 15
2313.	Estate of H. C. Miner, Inc., medicine.	20 75
2314.	Henry A. Kennedy, clothes destroyed.	25 00
2315.	John F. Archiopolis, expenses.	36 40
2316.	Edward J. Burns, expenses.	37 10
2317.	Rocco Cavane, expenses.	33 15
2318.	Joseph Digilo, expenses.	31 40
2319.	Peter Dondero, expenses.	35 15
2320.	John J. McCloskey, expenses.	25 18
2321.	Peter McCormick, expenses.	30 04
2322.	Paul Simonetti, expenses.	28 15
2323.	Empire Auto Car Company, batteries.	2 50
		<hr/> \$717 02

ARTHUR BLOT, First Deputy Clerk.

POLICE DEPARTMENT.

New York, August 17, 1905.

The following proceedings were this day directed by Acting Police Commissioner Thomas F. McAvoy:

Approved.

Application of Captain William H. Hodgins, Fifth Precinct, to be excused for twelve hours on the 21st inst.

Application of Captain Henry Halpin, Ninth Precinct, to be excused for twelve hours on the 21st inst.

Application of Captain Patrick Byrne, Eighth Precinct, to be excused for twelve hours on the 21st inst.

Application of Sergeant Fred J. Mott, Forty-second Precinct, to be excused for twelve hours on the 17th inst.

Referred to the Chief Inspector.

Applications for appointment of Special Officers as follows:
Henry Rosenberg, Metropolis Theatre, for William Nelson.
Knickerbocker Trust Company for Robert Halfpenny.

Special Patrolmen Appointed.

Generoso Vitale for Raffaele Penza, Manhattan.
Ignatz Rubenstein for Joseph Robinson, Manhattan.
Frank N. Ferrey for Corse Payton Amusement Company, Brooklyn.
Harry Schultz for Brooklyn Rapid Transit Company, Brooklyn.

Special Patrolman Resigned.

Jesse Bacharach, employed by Jacob Baker, Brooklyn.

Referred to the Board of Honor.

Report of Captain David Evans, Forty-third Precinct, and Inspector John Wiegand as to conduct of Patrolmen William J. Wheaton and John McGrath, Forty-third Precinct, in rescuing one William J. Badger from drowning. For report.

Referred to the Auditor.

Notice of lien by E. H. Ogden Lumber Company, against Heitzner & Reines.

Chief Clerk to Answer.

A. J. Kennedy, asking that certain officers of the Seventy-sixth Precinct, who are Spanish War veterans, be excused from duty and permitted to attend encampment at Niagara Falls.

Referred to Sergeant in Charge of Pension Bureau.

Petition for increase of pension of Maria L. McGinnis, widow of William McGinnis.

Petition for pension of Ellen McNamara, widow of John S. McNamara.

Granted.

Application of Patrolman William J. Wheaton, Forty-third Precinct, to be reimbursed for summer uniform trousers destroyed.

Permission to Detective Sergeant Francis J. Kelly, Detective Bureau, Brooklyn, to receive reward of \$20 from Navy Department for arrest of deserter. With usual deduction.

Laid Over.

Report of Borough Inspector Adam A. Cross and Captain William H. Shaw, Forty-ninth Precinct, relative to alleged poolroom at No. 36 Myrtle avenue.

Communication from Corporation Counsel forwarding copy of judgment case Ahi Peace vs. Police Commissioner, and stating that Commissioner had better await the decision of the Appellate Division of Supreme Court before restoring traffic regulations in Brooklyn.

Report of Richard E. Enright, Inspector of Repairs and Supplies, on complaint from Board of Health relative to sanitary condition of Eighty-third Precinct Station-house.

Referred to the Corporation Counsel.

Writ of certiorari, case People ex rel. Supreme Court, New York County, John V. Austin against William McAdoo, Police Commissioner. With request that return be made.

Summons, Third District Court, case Frank A. K. Boland against Thomas P. O'Connor, Property Clerk, for advice or to defend if required.

Summons, complaint, etc., Supreme Court, New York County, case Ber Bercowitz, No. 6 Bond street, Manhattan, against William McAdoo, Police Commissioner, Inspector William G. Hogan and Sergeant Edward J. Bourke, with request that counsel be assigned to defend.

Leave of Absence Granted.

Captain Patrick Summers, Seventieth Precinct, twenty days' vacation.

Patrolman John Smith, Central Office Squad, thirty days' sick leave.

Inspector Donald Grant, Thirtieth District, twenty days without pay in addition to regular vacation. Release to be signed.

Ordered, That in respect to the memory of the late Third Deputy Police Commissioner Harris Lindsley, the office of the Police Commissioner and subordinate

bureaus be closed during the funeral ceremonies from 9 a. m. to 12 o'clock noon on Friday, August 18, 1905.

On File, Send Copy.

Report of Captain Bernard J. Hayes, Sixty-third Precinct, on complaint of Grauer & Rathkopf relative to kidnapping of one Elias Kleimen.

On File.

Reports from precincts in Manhattan, The Bronx and Richmond under Rule XLIX., paragraph 7.

Report of Roundsman Patrick Moran of accidental shooting of Patrolman John M. Loughlin, Seventy-fifth Precinct, by Patrolman Thomas F. Powers, Seventy-fifth Precinct.

Communication from Corporation Counsel, stating that facts presented to him do not warrant taking steps to revoke license of Chinese Theatre.

Report of Acting Captain John L. Zimmerman, Forty-seventh Precinct, on complaint regarding saloon at Sackett and Henry streets.

Report of Captain David Evans, Forty-third Precinct, relative to assault on Patrolman V. C. Lavender.

Notice from Finance Department, approving sureties in proposal of P. A. Whitney.

Report of Second Deputy Commissioner Thomas F. Farrell of leaves of absence granted under the rule.

Notice from following Patrolmen of intention to bring suit for regrading: Louis A. J. Renselaer, John Gargan, Third Sub-Precinct; Frank C. Carey, Dennis Wright, Thomas J. Moran, Seventh Precinct; Sidney E. Hutchins, Francis P. Hughes, Twenty-second Precinct; Hugh P. McGrath, Twenty-fourth Precinct; James T. Dugan, Fortieth Precinct; Walter F. Shea, Forty-first Precinct; John Miller, Frank Palmer, Eighty-first Precinct; Patrick Gallivan, Eighty-fourth Precinct.

On File, Send Copy (Additional).

Report of Captains Cornelius G. Hayes, Thirty-fifth Precinct, and Henry W. Burfeind, Thirty-eighth Precinct, on complaint from Luther B. Dow that steam launches are operated between Clason's Point and East One Hundred and Thirty-fourth street by persons without engineer's license.

ARTHUR BLOT, First Deputy Clerk.

BOROUGH OF THE BRONX.

BUREAU OF BUILDINGS.

New York, August 15, 1905.

I herewith submit a report of the operations of the Bureau of Buildings, Borough of The Bronx, for the week ending August 12, 1905:

Plans filed for new buildings (estimated cost, \$1,148,300)	42
Plans filed for alterations (estimated cost, \$21,950)	17
Unsafe cases filed	7
Violation cases filed	35
Unsafe notices issued	17
Violation notices issued	40
Violation cases forwarded for prosecution	7
Complaints lodged with the Bureau	2
Number of pieces of iron and steel inspected	2,217

P. J. REVILLE,

Superintendent of Buildings, Borough of The Bronx.

John H. Hanan, Chief Clerk.

BOROUGH OF RICHMOND.

LOCAL BOARD—STATEN ISLAND DISTRICT.

Meeting July 11, 1905, 10.30 a. m.

Present—Aldermen Gillies and Shea and President Cromwell.

The minutes of the meeting of June 20 were approved.

Westerleigh Street Signs.

Mr. A. M. Harris addressed the Board on behalf of the Westerleigh Improvement Society and read the following communication, which he afterward presented to the President:

Westerleigh, Staten Island, July 11, 1905.

Hon. GEORGE CROMWELL, President of the Borough of Richmond, New York City:

Dear Sir—The Westerleigh Improvement Society has just installed in Westerleigh sixty-eight enameled street signs, mounted on iron posts and set in concrete, and the association, believing that these signs should be the property of the City, has voted, through its board of directors, to present these signs to The City of New York. The undersigned, therefore, in behalf of the association, take this opportunity of presenting these signs, through the Borough Board, to the City of New York, and we trust that they may prove so valuable an improvement for the use of the residents of the Borough of Richmond visiting this section that the President of the Borough and the Local Board may feel encouraged to install throughout a very large portion of the Borough of Richmond street signs of another or similar design.

Respectfully yours,

(Signed) A. M. HARRIS,
H. W. DOREMUS,
G. J. TURNBULL,
Committee on Street Signs.

President Cromwell, in accepting the signs on behalf of the Local Board and The City of New York, called attention to the enterprise of the people of Westerleigh, who, he said, are eager for improvements and ready to bear all reasonable assessments for benefits, to the material advantage of the whole borough as well as of their own property.

Petition 550.

To continue Sherman street from its present terminus at Morning Star road westerly 60 feet wide in a direct line to absorb Oak street, Mariner's Harbor; thence westerly to South avenue about 250 feet south of Arlington Station; thence westerly to a point 200 feet south of track of Staten Island Rapid Transit Railroad Company at Western avenue; continue Sherman street easterly to meet Catharine street at Decker avenue; thence through Catharine street easterly to meet Cherry lane at Lincoln place, West New Brighton; continue Lake View road, Tompkinsville, to Richmond turnpike, thus making one continuous street from Western avenue, Mariner's Harbor, to Tompkinsville, and affording a good cross street from Port Richmond and Mariner's Harbor.

First hearing,

H. J. Sharrett, Frederick Leuchter and A. G. Dryer addressed the Board.

Referred to the Commissioner of Public Works.

Petition 551—Resolutions 69 and 70.

To construct an intercepting sewer in Richmond terrace, from Nicholas street to Westervelt avenue, Ward 1.

President Cromwell stated that a new resolution was made necessary, in place of one previously adopted, by a decision of the Corporation Counsel in favor of the contention of Joseph Laroy that an outlet sewer at the foot of Westervelt avenue, of the existence of which he was ignorant when he purchased the property for building purposes, should be removed; and that the previous resolution, duly transmitted to the Board of Estimate and Apportionment, but not yet acted on by that Board, had been returned to him at his request.

Alderman Collins being absent, and there being no opposition, President Cromwell moved the following two resolutions, which were adopted:

Resolved, That a certain resolution, No. 35, adopted by the Local Board of the Staten Island District at a meeting held on February 21, 1905, to wit:

"To construct a combined intercepting sewer in Richmond terrace, from Nicholas street to a point about 570 feet easterly from Westervelt avenue, in the First Ward of the Borough of Richmond," be and the same hereby is rescinded.

Affirmative—Aldermen Gillies and Shea and President Cromwell.
Negative—None.

Whereas, A petition for a local improvement described below has been received by the President of the Borough of Richmond; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to the said Local Board, and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board at which the said petition would be submitted by him to the said Board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is

Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby initiate proceedings for the said local improvements, to wit:

To construct an intercepting combined sewer on Richmond terrace, from Nicholas street to Westervelt avenue, in the First Ward of the Borough of Richmond, with the necessary appurtenances, and to do such other work as may be necessary to the completion of the work described.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Aldermen Gillies and Shea and President Cromwell.
Negative—None.

Petition 552—Resolution 71.

To open Hatfield avenue to Nicholas avenue at full width, Ward 3.

First hearing.

The following resolution was moved by Alderman Shea, and was adopted:

Whereas, A petition for a local improvement described below has been received by the President of the Borough of Richmond; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to the said Local Board, and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board at which the said petition would be submitted by him to the said Board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is

Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby initiate proceedings for the said local improvements, to wit:

To open the extension of Hatfield avenue for its full width of sixty feet from its present westerly terminus to Nicholas avenue, in the Third Ward of the Borough of Richmond, as shown on the map or plan of The City of New York.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Aldermen Gillies and Shea and President Cromwell.
Negative—None.

Petition 553.

To open Linden street, from Prospect avenue to Twelfth street, and to pave; and to pave Prospect avenue, from York avenue to Franklin avenue; Ward 1.

Letters were read from Mr. S. McK. Smith, Principal of Public School 17, and Dr. D. L. Bardwell, District Superintendent, advocating the above improvements as approaches to said school.

Referred to the Commissioner of Public Works.

Sewer District 6A—Resolution 72.

President Cromwell laid before the Board the following communication from the Department of Health, City of New York:

MAYBURY FLEMING, Secretary, Borough of Richmond:

Dear Sir—Inclosed herewith you will find a copy of a report of William T. Jenkins, M. D., a Sanitary Engineer of the Department of Health, in respect to an investigation made by him of the conditions existing in sewer district 6A, known as the Arrochar district and the Southfield drainage system, which is respectfully forwarded for the information of the members of the Local Board of Improvements of the Borough of Richmond, and with the request that they will immediately take such action as will lead to the construction of an adequate and proper system of drainage in said district.

This is a matter that was called to the attention of the President of the Borough of Richmond, August 11, 1904, and by him referred to the Local Board of Improvements of said borough. The conditions in the district at present found to exist are such that further delay in the construction of a proper sewerage system will be dangerous to the lives and detrimental to the health of those living in same and compelled by circumstances to drain into the present inadequate and unsatisfactory drains running throughout that portion of the Borough of Richmond.

Respectfully,

EUGENE W. SCHEFFER, Secretary.

New York, June 14, 1905.

Hon. THOMAS DARLINGTON, President, Department of Health, New York City:

Dear Sir—I have the honor to report that in compliance with your request of the 1st inst., enclosing resolution of the Board of Health, passed at its meeting of August 11, 1904, relative to sewer district 6A, known as Arrochar district and the "Southfield drainage system," I inspected the above-mentioned district, accompanied by the Assistant Sanitary Superintendent, and I am prepared to corroborate and emphasize the reports made by the Engineer of the Borough President and the Assistant Sanitary Superintendent.

The system is absolutely inadequate, unsatisfactory, unscientific and unsanitary. It is a positive and increasing menace to life and health, as it does not answer the purpose of its construction as a fresh-water drain or sewer, and, in consequence, leaves many undrained ponds and depressed areas, by reason of its defective construction and the failure to have a responsible control, with power to repair or keep it in repair. The depressions and pond areas of stagnant water furnish on margins and in the mud favorable spots for ovulation of mosquitoes, as well as water sufficient for wigglers and pupae.

Since its construction it has been converted into a sewer for house refuse, waste and drainage. In its primary construction this additional function seems not to have been anticipated, making it absolutely inadequate, even under favorable conditions, for its present use. Its inlets and catch basins are a nuisance, in consequence of the odors therefrom, and along its irregular, unsystematic course through private property, over which no one seems to have any authority, there are many breaks and cesspools; in fact, to quote from the Engineer's report enclosed, they are but a chain of ventilated and unventilated cesspools, contaminating adjacent wells, springs and other domestic water supply.

Such clogged sewers and cesspools produce water-logged and filth-sodden soil, which is a menace to life and health, for the reasons above stated, and aside from the fact that it produces a condition most favorable for the development of mosquitoes and water-borne disease bacteria, with the added nuisance of the development of gases, given off under these conditions, "Which are accompanied by 'odors' often too subtle for the chemist to analyze, but which, nevertheless, are sufficiently potent to make a strong man sick and faint and reassert themselves in the excretions twenty-four hours after being inhaled."

"So again with 'filth diseases,' we must remember that almost all infective diseases are especially fatal to those who live under such conditions."

Since it is improbable, in fact, impossible, that under existing conditions this drainage system can be repaired and made sanitary, it is respectfully recommended that the sewers planned by the Engineer of the Borough President and approved by the Board of Estimate and Apportionment be approved and urged.

Respectfully submitted.

WM. T. JENKINS, Sanitary Engineer.

President Cromwell desired to vote at once on a resolution to lay sewers in the district.

Alderman Gillies objected, and asked for delays so that he might further consult the property owners who had addressed the Board in opposition to the sewer plan.

President Cromwell stated that he understood that the opposition had practically been withdrawn, notably that of Colonel W. W. Macfarland, and that Alderman Gillies had already had this matter in his hands for investigation for many months; and that the need of sewers as urged by the Board of Health was pressing.

Alderman Gillies replied that he and the owners recognized the need of sewers and that he did not care to oppose any scheme of improvement, but that he and the assessable owners of large properties regarded the plan of the Commissioner of Public Works as unnecessarily expensive, and he thought he ought to have something to say about a local improvement in his own district as representing the people of that district.

President Cromwell said that the general health of the borough was seriously concerned in this matter, and that the Alderman could either vote against a resolution or refrain from voting; and

The following resolution was moved by President Cromwell and was adopted:

Whereas, A petition for a local improvement described below has been received by the President of the Borough of Richmond; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to said Local Board, and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board, at which the said petition would be submitted by him to the said board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is

Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby initiate proceedings for the said local improvements, to wit:

To construct a combined sewer with appurtenances in Richmond avenue, from Tompkins avenue to Sea avenue; in Sea avenue, from Richmond avenue to Valley street; in Valley street, from Sea avenue to Tompkins avenue; in Tompkins avenue, from Valley street to Fingerboard road; in Lyman avenue, from Tompkins avenue to Summer street; in Summer street, from Lyman avenue to Fingerboard road; in Fingerboard road, from Tompkins avenue to the Staten Island Rapid Transit Railroad tracks, and from Summer street to New York avenue; in New York avenue, from Fingerboard road to St. John's avenue; in St. John's avenue, from New York avenue to the Staten Island Rapid Transit Railroad tracks; in First street, from Maryland avenue to St. John's avenue; in Second street, from St. John's avenue to a point about 100 feet southward from Maryland avenue; in Third street, from St. John's avenue to a point about 100 feet southward from Maryland avenue, and in Nautilus street, from New York avenue to Cliff street, and extending therefrom through an easement to the pier line, as approved by the Secretary of War, June 21, 1889; all within Sewer District No. 6A, and in the Fourth Ward of the Borough of Richmond, and to do such other work as may be necessary to the completion of the work described.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Alderman Shea and President Cromwell.

Negative—None.

Not Voting—Alderman Gillies.

Absent—Alderman Collins.

Petition 531.

President Cromwell laid before the Board a communication from the Board of Estimate and Apportionment referring to him for further consideration by the Local Board of the Staten Island District a resolution to open Clinton avenue from Richmond avenue to Heberton avenue, as to the advisability of including in the opening proceedings the two blocks between Richmond and Nicholas avenues.

Referred to the Commissioner of Public Works.

The Commissioner of Public Works laid before the Board tentative maps of layout of Homestead avenue and St. Mary's avenue, from Richmond avenue to Heberton avenue, Ward 3; Broadway, from Mersereau avenue to Richmond terrace, Ward 3; Henderson avenue, from Taylor street to Broadway, Ward 1; Home avenue, Ward 4, and the Norwood avenue district, Ward 4, which were referred to him for final maps with approval.

On motion, the Board adjourned.

MAYBURY FLEMING, Secretary.

BOROUGH OF RICHMOND.

LOCAL BOARD—STATEN ISLAND DISTRICT.

Meeting August 1, 1905, 10.30 a. m.

Present—Aldermen Collins and Shea and President Cromwell.

Petition 557.

To construct a sewer in Hannah street, from St. Paul's avenue to Griffin street, Ward 2.

Referred to the Commissioner of Public Works in connection with the sewer system of the district.

Petition 547.

To widen, extend and open streets to form an extension of Arcantz avenue, Chestnut avenue and other streets, Ward 5.

The Commissioner of Public Works, pursuant to motion of the Board at a meeting held June 20, reported in support of his original plan to make the proposed street 60 feet wide, instead of 50, and was indorsed by the President.

Property holders were present and assented.

Referred to the Commissioner for final map.

St. George Ferry Approach—Resolution 73.

President Cromwell laid before the Board a communication from the Board of Estimate and Apportionment, referring to him for action by the Local Board the matter of the improvement of streets included in the proposed St. George ferry approach, in relation to possible local assessment for part of the cost.

After discussion, the following resolution was moved by President Cromwell and was adopted:

Whereas, A petition for the improvement described below has been received by the President of the Borough of Richmond; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to the said Local Board; and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board at which the said petition would be submitted by him to the said Board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby recommend to the Board of Estimate and Apportionment that the said Board initiate proceedings for the said improvement, to wit:

For improvement of the streets within the St. George Ferry approach plan extending from Hannah street on the south to the intersection of Stuyvesant place and Jay street with Richmond terrace on the north; namely, South street, Jay street, Hyatt street, Stuyvesant place to Weiner place; extension of Stuyvesant place to Griffin street, and the widening of Griffin street; the work to consist in general of building retaining walls, with their copings and railings; regulating and grading, paving, constructing sidewalks, curbing, turling, planting trees, setting of street lamps, culverts, and all other necessary features in connection with carrying out the work outlined.

Be it further

Resolved, That this Board recommends that the entire cost and expense of the above improvement shall be borne and paid by The City of New York.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Aldermen Collins and Shea and President Cromwell.

Negative—None.

Petition 491—Resolution 74.

To construct a sewer in Avenue B and Ann street, Ward 3. Second hearing.

The following resolution was moved by Alderman Shea, and was adopted: Whereas, A petition for a local improvement described below has been received by the President of the Borough of Richmond; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to the said Local Board; and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board at which the said petition would be submitted by him to the said Board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby initiate proceedings for the said local improvements, to wit:

To construct a temporary sanitary sewer in Avenue B, from Bennett street to Ann street, and in Ann street, from Avenue B to Heberton avenue, in the Third Ward of the Borough of Richmond, and to do such other work as may be necessary to the completion of the work described.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Aldermen Collins and Shea and President Cromwell.

Negative—None.

On motion, the Board adjourned.

MAYBURY FLEMING, Secretary.

BOROUGH OF RICHMOND.

LOCAL BOARD—STATEN ISLAND DISTRICT.

Meeting Tuesday, August 15, 1905, 10.30 a. m.

Present—Alderman Collins, the Commissioner of Public Works (presiding).

The minutes of the meetings of July 11 and August 1 were approved.

Petition 560—Resolutions 75, 76, 77, 78.

To open certain streets or parts of streets in order to vest title in The City of New York for highway and sewer improvements previously voted by the Local Board. The following resolution was moved by Alderman Collins and was adopted:

Whereas, A petition for a local improvement described below has been received by the President of the Borough of Richmond; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to the said Local Board, and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board, at which the said petition would be submitted by him to the said Board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

To open Lincoln avenue for the full width of fifty feet, from the South Side Boulevard eastward for about four hundred feet, in the Fourth Ward of the Borough of Richmond, as laid out on the map or plan of The City of New York.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Alderman Collins and Acting President Tribus.

Negative—None.

The following resolution was moved by Alderman Collins and was adopted:

Whereas, A petition for a local improvement described below has been received by the President of the Borough of Brooklyn; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to the said Local Board, and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board, at which the said petition would be submitted by him to the said Board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is

Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

To open Summer street, from Fingerboard road to Lyman avenue, in the Fourth Ward of the Borough of Richmond, as laid out on the map or plan of The City of New York.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Alderman Collins and Acting President Tribus.

Negative—None.

The following resolution was moved by Alderman Collins and was adopted:

Whereas, A petition for a local improvement described below has been received by the President of the Borough of Richmond; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to the said Local Board, and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board at which the said petition would be submitted by him to the said Board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is

Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby initiate proceedings for the said local improvements, to wit:

To open Lyman avenue, from Summer street to Tompkins avenue, in the Fourth Ward of the Borough of Richmond, as laid out on the map or plan of The City of New York.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Alderman Collins and Acting President Tribus.

Negative—None.

The following resolution was moved by Alderman Collins and was adopted:

Whereas, A petition for a local improvement described below has been received by the President of the Borough of Richmond; and

Whereas, He has appointed a time for a meeting of the Local Board not more than fifteen days after the receipt by him of the said petition, at which meeting the said petition would be submitted by him to the said Local Board, and he has caused a notice to be published in the CITY RECORD that said petition has been presented to him and is on file in his office for inspection, and of the time when and the place where there would be a meeting of this Local Board at which the said petition would be submitted by him to the said Board, which time was not less than ten days after the publication of this notice; and

Whereas, The said petition was duly submitted thereafter to the said Local Board, which did duly consider the same and give a full hearing thereon; now therefore it is

Resolved, by the Local Board of the Staten Island District, pursuant to titles 2 and 3 of chapter 10 of the Greater New York Charter, That the said petition be and the same hereby is granted; and it is hereby

Resolved, That this Board does hereby initiate proceedings for the said local improvements, to wit:

To open Nautilus street, from New York avenue to Clove street, in the Fourth Ward of the Borough of Richmond, as laid out on the map or plan of The City of New York.

And it is hereby

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Affirmative—Alderman Collins and Acting President Tribus.

Negative—None.

On motion, the Board adjourned.

MAYBURY FLEMING, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION.

New York, August 2, 1905.

A meeting of the Civil Service Commission of The City of New York was held at the Commission's offices, No. 51 Elm street, on Wednesday, August 2, 1905, at 10 a. m.

There were present the President and Commissioner Talley.

The minutes of the meeting held July 28 were approved.

The Committee on Transfers recommended that the following transfers be approved:

John T. Magan, from the position of Clerk in the Law Department, to a similar position in the office of the President of the Borough of The Bronx.

Michael F. Burke, from the position of Inspector of Masonry in the office of the Rapid Transit Commission, to a similar position in the Aqueduct Commission.

Charles Dahlem, from the position of Topographical Draughtsman in the Topographical Bureau, Borough of Queens, to a similar position in the Board of Estimate and Apportionment.

Charles E. Marr, from the position of Bookkeeper in the Department of Finance, to a similar position in the Board of Water Supply.

Leo McCormack, from the position of Inspector of Masonry in the Rapid Transit Railroad Commission, to a similar position in the Bureau of Buildings, Borough of The Bronx.

John J. Flannery, from the position of Clerk in the Department of Water Supply, Gas and Electricity, to that of Bookkeeper, his name appearing first on the eligible list for that position.

William A. Maguire, from the position of Attendant in the exempt class in the Court of General Sessions of the Peace, to the position of Attendant in the competitive class in that court, his name appearing first upon the eligible list for Court Attendant.

Peter Paul Sheridan, from the position of Axeman in the Aqueduct Commission, to a similar position in the Department of Parks, Borough of The Bronx.

Frank L. Gilon, from the position of Bookbinder in the Bureau for the Collection of Assessments and Arrears, Department of Finance, to a similar position in the Department of Taxes and Assessments.

The recommendation of the Committee on Transfers was adopted.

The Commission again considered a communication from the Secretary of the Park Board, dated June 12, requesting on behalf of the Commissioner of Parks for the Boroughs of Manhattan and Richmond that the transfer of Mr. William Ward from Foreman of Laborers to Janitor be approved, which communication was laid over from the meeting of the Commission held June 22. After a careful consideration of the matter, the President was requested to communicate with Commissioner Pallas and state that the rules of the Commission allow a transfer of this nature only in cases of veterans of the Civil War who are shown to the satisfaction of the Commission to be incapacitated for filling the positions to which they were originally appointed, and who cannot be removed by reason of such disability if there are any other positions in the City service which they are qualified to fill; that the Commission would only approve such transfer upon satisfactory proof being furnished that the necessary conditions exist in Mr. Ward's case.

The Commission then considered a communication from the Labor Clerk under date of July 5, suggesting the following changes in the classification, which communication was laid over from the meeting held July 28:

Adding to Part I. of the Labor Class, the title:

Stoker, Marine.

Adding to Part II. of the Labor Class:

Bridge Painter, Engineman, Steam Roller, Water Tender, Department of Docks and Ferries.

Striking from Part II. the titles:

Bridge Mechanic, Lighter of Markets.

Including in the Non-Competitive Class the title:

Lighter of Markets, offices of the Borough Presidents and Department of Water Supply.

Including in the Competitive Class the title:

Scaler of Weights and Measures.

The Assistant Secretary was instructed to advertise a public hearing on the proposed amendments, to be held Friday, August 11, at 10 a. m.

On motion, it was

Resolved, That the classification of positions in the Department of Correction, in the exempt class, be and the same is hereby amended by including therein the following titles:

Secretary to the Board of Parole, Overseer of Reformatory, Special Parole Officer.

On motion, it was

Resolved, That the classification of positions in the non-competitive class, as fixed by the Municipal Civil Service rules, be and the same is hereby amended by including therein the following title:

Attending Physician at the Tuberculosis Clinics of the Department of Health.

On motion, it was

Resolved, That the Chief Examiner is hereby instructed hereafter to notify the Commission immediately upon the completion of a set of examination papers, in order that the Commission may officially announce the date of the promulgation of the eligible list.

A communication was received from the Chief Examiner, under date of August 1, asking for instructions from the Commission as to the method to be used in rating seniority in promotion examinations, and asking for a ruling on the question as to whether or not, under Rule XV., seniority should be rated from the date of the candidate's entrance into the grade from which promotion is sought, or from the date upon which he entered the Department in which the examination is to be held in such grade. The Commission ruled that seniority shall hereafter, in all such cases, be rated from the date of original entrance into the grade from which promotion is sought.

The Commission considered a communication from the Chief Examiner, under date of August 1, 1905, in which he stated that in promotion examinations, under the existing rule, 40 per cent. is allowed for the mental examination, 40 per cent. for record and 20 per cent. for seniority, which makes it necessary for a candidate who receives the maximum in record and seniority to obtain only 25 per cent. on his mental test, and requesting that all candidates for promotion be required to receive not less than 70 per cent. on his mental examination, for the reason that where only 25 per cent. out of a possible hundred is required, it makes the mental examination more or less of a useless formality. The Commission ruled that in all future examinations for promotion, in departments other than the Police and Fire Departments, candidates must receive a minimum of 70 per cent. in order to obtain a place upon the eligible lists established as a result of such examinations.

A communication was presented from the Chief Examiner, dated July 26, transmitting a report from Examiner Hildreth upon the appeal of Mr. J. Fetherston that his name be placed upon the eligible list for promotion to Principal Assistant Engineer in the Borough of Richmond. It appeared that Mr. Fetherston's name was not placed upon the said list for the reason that he lacked the ten years' experience as an engineer required by the Charter. In his communication Mr. Fetherston stated that he believed he had had the necessary experience, and submitted a schedule of the actual time that he had spent in engineering, which amounted to eight years' actual service, plus two years which he claimed as the proper allowance for his college work. Examiner Hildreth stated in his report that while he considered the candidate's experience very good, yet, according to the rules and custom of the Department in marking such experience, the same was not equal to ten years. In view of the statements contained in Examiner Hildreth's report, the appeal was denied.

A communication was presented from the Chief Examiner, dated July 26, asking for information as to what allowance, in rating seniority in engineering examinations, should be made for a college course and for summer or occasional work during or before such technical training at college, and stating that the rule has hitherto been to allow one year for the college course in examinations for positions where, by the Charter, ten years' actual experience is necessary. After a careful consideration of the matter, the Commission ruled that the custom which has prevailed of allowing one year for a college course in such examination shall be continued.

A communication was presented from the Chief Examiner, dated July 26, stating that the returns of the examination for Civil Service Examiner in Mechanical Engineering had just been received, and that but one candidate had passed the examination; and recommending that, as there was no eligible list, a new examination be called. The matter was laid over.

A communication was presented from the Record Clerk, dated August 1, requesting that his Bureau be furnished with one eight-drawer filing cabinet. The Assistant Secretary was authorized to purchase the same.

A communication was presented from the Secretary of the Park Board, dated July 12, in answer to the communication from the Commission, dated July 11, relative to a complaint filed with it to the effect that one William J. McGuire, Foreman of Laborers, is not performing duties appropriate to his title. The communication from Secretary Holly stated that Mr. McGuire is at present in charge of the work performed by Laborers and others in the Department in cleaning and caring for the Arsenal Building, in which the several offices of the park administration are located. The letter was ordered filed.

A communication was presented from the Assistant Secretary of the Park Board, dated July 5, in answer to the communication from the Commission, relative to a complaint filed with it to the effect that the Carpenters in that Department are performing duties inappropriate to their titles. The letter from Assistant Secretary Smith stated that some of the Carpenters in the Department are required to make patterns, but that they do no work which is not appropriate to their title. The letter was ordered filed.

A communication was presented from the General Medical Superintendent of Bellevue Hospital, dated July 19, requesting that that Department be authorized to appoint Dr. Paul Waterman provisionally, pending the establishment of an eligible list for Assistant Alienist, under the provisions of Civil Service Rule XII., paragraph 3. The request was granted, and the Secretary was instructed to proceed with an open competitive examination for Assistant Alienist at an early date.

A communication was presented from the Chief Engineer of the Board of Rapid Transit Railroad Commissioners, dated July 7, transmitting the request of Mr. Edward Pendlebury that he be restored to eligibility for appointment as a Topographical Draughtsman, in the Borough of Manhattan, with the statement that when Mr. Pendlebury declined appointment from that list in the Department of Taxes and Assessments on the score of "location," he had been promised promotion in his own Department and wished to remain with it for that reason, and did not understand that when he declined an appointment in the Borough of Manhattan on account of location he would not be certified again for appointment in that borough. In view of the statements contained in the Chief Engineer's communication, the request was granted.

A communication was presented from the Chief Clerk of the Police Department, dated July 17, referring to the Commission the petitions of Patrolman Patrick Cantwell and others for a supplementary examination for promotion to the rank of Roundsman. The requests were denied.

A communication was presented from the Acting Receiver of Taxes, dated July 5, in answer to the communication from the Commission asking whether the notice to the effect that Mr. Samuel B. Cooper, Temporary Clerk, had been dismissed for absence without leave was correct, in view of the fact that Mr. Cooper had called at the office of the Commission and stated that he was laid off for the reason that he was a Teacher in the evening schools, and requested that his name be restored to the eligible list for Temporary Clerk, his services as a Teacher having been terminated. The letter from the Acting Receiver of Taxes stated that the notice sent to the Commission was correct, and the request was therefore denied.

A communication was presented signed "A Laborer," and dated July 23, alleging certain irregularities in the employment of a printer in the office of the CITY RECORD. The Assistant Secretary was instructed to transmit a copy of the communication to the Supervisor of the City Record, with the request that he investigate the matter.

A communication was presented from Miss Elizabeth F. Barrett, Stenographer and Typewriter in the Office of the Corporation Counsel, Brooklyn, requesting a special examination for promotion, for the reason that a serious injury prevented her from competing in the general examination held some time ago. The request was denied for lack of power.

A communication was presented from Floyd F. McDowell, No. 266 West One Hundred and Twenty-ninth street, dated July 17, requesting that his name be placed upon the list for promotion to Transitman in the office of the President of the Borough of The Bronx. The request was denied, it appearing that Mr. McDowell has not served the necessary length of time in the department.

A communication was presented from George G. Brown, Jr., Examiner in the Department of Education, dated July 14, protesting against the ruling of the Commission in his case, that before he could be certified as eligible for a salary of \$2,000 per annum it would be necessary for him to pass a promotion examination. The

Assistant Secretary was instructed to communicate with Mr. Brown and inform him that under the rules such procedure would be necessary before he could procure the desired increase in salary.

A communication was presented from the Civil Service Reform Association, dated July 6, transmitting an affidavit signed by one John Peterson to the effect that Laborers are being assigned to perform the work of gardening in the Department of Parks, Borough of The Bronx. The Assistant Secretary was instructed to communicate with the Commissioner of Parks, Borough of The Bronx, and request him to investigate the matter and report the result to the Commission.

A communication was presented from William C. Klepper, candidate for promotion to Roundsman, dated July 5, requesting that his rating on record in the said examination be amended by the elimination of two fines, amounting to twelve days' pay, which were imposed during his "probationary period." The request was denied.

A communication was presented from Dr. Robert L. Dickinson, No. 168 Clinton street, Brooklyn, stating that Mrs. D. A. Jones, Stenographer and Typewriter in the office of the Commission, has been under his professional care since June 8, and will be incapacitated for duty for an indefinite time. The communication was ordered filed.

A communication was presented from Frank Schellenberg, dated July 21, requesting that his name be placed upon the eligible list for Assistant Engineer in the office of the President of the Borough of Brooklyn. It appearing that Mr. Schellenberg lacks two years of the ten years' experience as an engineer required by the Charter, the request was denied.

The request of Martin F. Cody, No. 643 Second avenue, Astoria, dated July 15, that his name be restored to the eligible list for Stationary Engineman was granted, he having been out of the City when notified to appear at the Department of Water Supply for appointment.

The request of Timothy C. Glennon, No. 234 Schermerhorn street, Brooklyn, under date of July 24, that his name be restored to the eligible list for Junior Clerk, was granted, upon his affidavit to the effect that he never received the notice sent him by the Department of Health.

The request of John F. McGrath, No. 36 Second street, Manhattan, that his name be restored to the preferred list for Inspector of Regulating, Grading and Paving was denied, he having declined an appointment from said list, both in the boroughs of The Bronx and Brooklyn.

The request of Samuel A. Lewis, No. 15 Central avenue, Tompkinsville, that his name be placed upon the list for promotion to Leveler in the Borough of Richmond, was granted, it appearing that he had completed the necessary six months' service in his Department before the announcement of the list.

The request of William Muschel, No. 104 East Fourth street, that he be restored to eligibility for appointment as Rodman in the Rapid Transit Commission, at \$960 per annum, was denied, he having declined an appointment at that figure on June 13, 1905.

The request of Simon Arkin, No. 216 East Broadway, that he be restored to eligibility for appointment as Transitman in the Borough of Richmond, at \$1,200 per annum, was denied, he having declined an appointment at that figure on December 20, 1904.

The request of Jacob Thoma, No. 1015 Trinity avenue, that his name be restored to the eligible list for Topographical Draughtsman, was denied, he having failed to respond to a notice sent him by the President of the Borough of Brooklyn on February 3, 1905.

The request of Mr. John E. Hill, employed as a Transitman and Computer in the office of the President of the Borough of Brooklyn, that his name be certified to that Department as eligible for appointment to the grade of Assistant Engineer, was denied, it appearing from the records that his name is not one of the first three upon the eligible list for that position.

The request of Charles R. Sturges, No. 502 Fulton street, Brooklyn, that his name be restored to the list for Stationary Engineman, was denied, he having declined appointment in the Department of Parks, Borough of The Bronx, without giving any reason therefor.

The request of Claude J. Rich, an employee of the Rapid Transit Commission, that his name be restored to the list for Topographical Draughtsman, was granted, upon his statement that his reason for not responding to the notice of the President of the Borough of Richmond within the required time was that the notice was mislaid.

The request of Miss Mabel H. Carnrike, No. 229 West Forty-fifth street, that her name be restored to the list for Stenographer and Typewriter, was granted, it appearing from her affidavit that she never received the notice sent her by the Department of Health regarding an appointment.

The request of E. F. Higgins, No. 226 South Tenth avenue, Mount Vernon, that he be restored to eligibility for appointment to the position of Rodman in the office of the President of the Borough of Richmond, was denied, he having declined an appointment in that borough on April 13, 1905, on the score of "location."

The request of Elias Cahn, No. 1819 Clay avenue, that he be restored to eligibility for appointment to the position of Rodman, at a salary of \$1,050 per annum, or less, was granted, it appearing from his communication that when he declined that salary on July 12, 1905, it was because the services were to be performed at Katonah, N. Y., where he would have to reside.

The request of Charles A. Bertrand, Jr., No. 140 Second avenue, that he be restored to eligibility for appointment to the position of Stenographer and Typewriter in the Borough of Brooklyn, was granted, upon his statement that his reason for declining an appointment in the Brooklyn Disciplinary Training School on December 17, 1904, was that he did not wish to reside on the premises, and was not because the position was located in the Borough of Brooklyn.

The request of M. E. Zipner, No. 117 West Thirty-third street, that his name be restored to the eligible list for Leveler, was granted, upon his statement that he was out of the City when certified to the Aqueduct Commission on July 5, 1905, and therefore could not respond within the four days prescribed by the rules.

A communication signed "Square Deal," making certain suggestions regarding the coming examination for promotion to the grade of Sergeant in the Police Department, was read and ordered placed on file.

The appeal of Mr. John D. Matheson, No. 695 East One Hundred and Fortieth street, for a rerating of the examination taken by him for the position of Assistant Engineer, Rapid Transit Railroad Commission, was denied, it being the opinion of the Commission that no errors of rating had been made by the Examiners.

The appeal of Mr. Louis A. Walsh, No. 2122 Washington avenue, for a rerating of the examination for promotion to Assistant Engineer taken by him, was denied, it being the opinion of the Commission that no errors of rating had been made by the Examiners.

The appeal of Mr. Martin Kennedy, No. 207 West Sixty-ninth street, for a physical re-examination for the position of Patrolman, was denied for lack of power.

The appeal of Mr. Dennis J. Gargan, No. 323 Hudson street, for a physical re-examination for the position of Patrolman, was denied for lack of power.

The appeal of Miss Mary Taylor, No. 300 Avenue A, for a special examination for the position of Cleaner in the Department of Education, was granted, upon her affidavit that although she called at the office of the Commission and stated her change of address, she never received a notice to appear for examination for the position sought.

The appeal of Miss Lizzie Ryan, No. 148 Forsyth street, that her name be restored to the list for Bath Attendant, was granted, upon her statement that she answered the communication from the office of the President of the Borough of Manhattan, offering her an appointment on July 13, 1905, and did not "fail to report" as was stated.

The action of the Chief Examiner in rejecting the applications of the following-named persons for "unsatisfactory character," under the provisions of Civil Service Rule VII., paragraph 14, was sustained:

2496. John D. Neary, Junior Clerk.

2838. George F. Meade, Junior Clerk.

2593. Henry Hoffman, Junior Clerk.

The action of the Chief Examiner in rejecting the application of Edward J. Loneragan, No. 339 East Fifty-eighth street, candidate for the position of Measurer, under the provisions of Rule VII., paragraph 14, was not sustained, it appearing that Mr. Loneragan had been allowed to enter the examination conditionally, and that he had been successful in obtaining a place upon the eligible list established as a result of same; and it appearing further that as he was dismissed from the Department of Water Supply, Gas and Electricity on October 9, 1903, more than two years would have

elapsed by the time the candidate was reached for certification for the position of Measurer.

The Commission then adjourned to meet Friday, August 4, 1905, at 10 a. m.

Attest:

PHILIP J. COFFEY, Assistant Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION.

New York, August 4, 1905.

A meeting of the Civil Service Commission of The City of New York was held at the Commission's offices, No. 61 Elm street, on Friday, August 4, 1905, at 10 a. m. There were present the President and Commissioners Talley and Appleton.

A public hearing was held on the proposed amendment of the classification of positions in the Competitive Class, Part I., by including therein the titles "Gas Examiner" and "Chief Gas Examiner." There was no opposition to the amendments. After the Commission had gone into regular session, it was

Resolved, That the classification of positions in the Competitive Class, Part I., be and the same is hereby amended by including in Group II, under the heading "Examiners," the following titles:

Gas Examiner, Chief Gas Examiner.

Reports were presented from Examiners Oppenheim, Bonnett, Clarke and Conway, giving the result of their re-examination of the papers of Messrs. Casper Kraft, William Noble and Charles E. Doyle, candidates for Engineer of Steamers. It appearing from the said reports that the Examiners, upon a reconsideration of the ratings awarded the candidates by them, deemed them entitled to a passing mark, the Assistant Secretary was instructed to place their names upon the eligible list in accordance with their revised percentages.

A report was presented from the Assistant Chief Examiner, dated August 3, 1905, upon the appeal of Edward H. Wernberg, candidate for Assistant Engineer in the Rapid Transit Railroad Commission, for a rerating of his examination. The Assistant Chief Examiner stated that a re-examination of the candidate's papers by the Examiners who marked them originally had brought to light no error or mistake of marking, and that the appeal was without merit. Upon the recommendation of the Assistant Chief Examiner, the appeal was denied.

A report was presented from the Chief Examiner, dated July 26, with reference to a communication addressed to the Commission by Dr. Edward Hynes on behalf of one Michael F. Nugent, who competed in the recent examination for Gardener. The Chief Examiner stated in his report that Mr. Nugent's case was not one in which a rerating could be allowed under the rules, as no error or mistake of marking had been pointed out. The Assistant Secretary was instructed to communicate that fact to Dr. Hynes.

The Commission then considered a report of the Chief Examiner, under date of August 1, with reference to the supplemental appeal of Mr. John D. Matheson for a rerating of his examination papers submitted in the examination for Assistant Engineer, Rapid Transit Railroad Commission. It appearing that the Commission had once denied the candidate's appeal for the reason that no "error or mistake of marking had been pointed out" and that no new facts were presented by the candidate, the Assistant Secretary was instructed to communicate with Mr. Matheson and state that the Commission could see no reason for changing its original ruling in the case.

A report was presented from the Chief Examiner, dated August 1, with reference to the appeal of Jacob Mittleman for a rerating of the experience paper submitted by him in the examination for Inspector of Elevators. The report of the Chief Examiner stated that the candidate's experience paper had been fairly rated by the Examiners and that no errors of rating appear in same. The appeal was denied for lack of power.

A report was presented from the Chief Examiner, dated July 29, upon the appeal of James M. McAuliffe, candidate for the position of Inspector of Elevators, for a rerating of the papers submitted by him in the said examination. The Chief Examiner stated that the appeal did not come within the provisions of Civil Service Rule IX., as no manifest or specific error of marking had been pointed out by the candidate. The appeal was denied for lack of power.

A report was presented from the Chief Examiner, dated July 29, with reference to the protest of Mr. William McDonald against the rating in seniority awarded him in the examination for promotion to Assistant Engineer in the Borough of Queens. It appeared from the report of the Chief Examiner that in the said examination the candidates were rated in seniority from the date upon which they entered the service of the Department, and not from the date upon which they entered the grade from which they sought promotion, as was requested by Mr. McDonald; that according to the standard of marking used in the examination the rating given the candidate was correct. The Assistant Secretary was instructed to communicate the foregoing facts to the candidate and to state that an exception to the standard of rating seniority used in the said examination could not be made in his case.

The appeal of Mr. Herbert J. Knoepple for a rerating of his examination papers submitted in the examination for promotion to Assistant Engineer, The Bronx, was denied, no error or mistake of marking having been made by the Examiners who rated the papers, and the appeal being based by the candidate upon a difference of opinion between himself and the said Examiners.

A communication was presented from Mr. Emil F. Zipfel, candidate for the position of Draughtsman's Helper, dated July 24, protesting against the percentage allowed him for experience in the examination held May 15. The candidate stated that as he had fully set forth his experience on his application blank, he did not think it necessary to repeat the same on the experience sheet submitted to him in the examination, and requested that he be given credit at this time for the experience possessed by him, but which he failed to set forth in his examination papers. In conjunction with the candidate's appeal, the Commission considered a report from the Chief Examiner under date of July 28, stating that it has been the invariable custom of the Department to hold candidates to their papers as they are handed in on the day of the examination; that the questions set forth on the experience paper submitted to Mr. Zipfel were definite and specific enough to convey exactly to the candidate what was wanted of him. The Assistant Secretary was instructed to communicate with the candidate and inform him that the Commission had considered his case; that the rating given him on his experience paper was a just one, and that the Commission could see no reason for changing the same.

The action of the Chief Examiner in rejecting the application of Bernard Freedman, candidate for the position of Inspector of Incumbrances, under the provisions of Civil Service Rule VII., paragraph 14, was sustained.

The request of Miss Isabel McCorken, No. 257 West Twenty-first street, under date of July 7, that she be restored to eligibility for appointment as Stenographer and Typewriter at a salary of \$900 per annum, was granted.

The Commission then adjourned to meet on Friday, August 11, 1905, at 10 a. m.

Attest:

PHILIP J. COFFEY, Assistant Secretary.

CHANGES IN DEPARTMENTS.

DEPARTMENT OF DOCKS AND FERRIES.

August 16—James Fitzsimons, of No. 134 Jefferson avenue, Borough of Brooklyn, has been transferred from the position of Park Laborer in the Department of Parks of the Borough of Brooklyn, and has been appointed in this Department as Laborer, with compensation at the regular rate, to take effect August 19, 1905.

August 24—Daniel F. Roach, Laborer, has been dropped from the list of employees for failure to report for duty within a period of over thirty days.

FIRE DEPARTMENT.

August 24—Death of Engineer of Steamer, Joseph T. Reilly, of Engine Com-

pany 16, occurred at 4 o'clock a. m. on August 22, 1905.

DEPARTMENT OF PARKS.

Boroughs of Manhattan and Richmond.

August 24—Discharge Rescinded—William P. O'Neill, No. 967 First avenue, Park Laborer (discharged August 1, 1905, for intoxication).

PRESIDENT OF THE BOROUGH OF BROOKLYN.

August 24—Resignation of Theodore Bagely, of No. 556 Brook avenue, The Bronx Borough, Automobile Engineman in the office of the President of the Borough of Brooklyn, effective this day.

Also to announce the dismissal of James Kinney, No. 69 Prince street, Laborer, in the Bureau of Highways, for collusion, and of Jeremiah Gorman, Flatbush avenue and Avenue N, Laborer in the Bureau of Highways, for impersonation.

DEPARTMENT OF TAXES AND ASSESSMENTS.

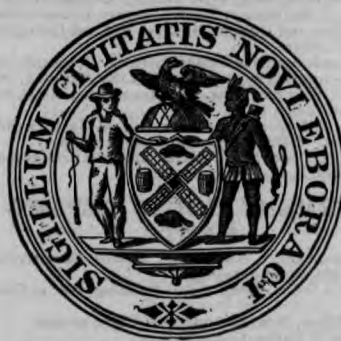
August 24—

Appointed.

Frank L. Gilon, No. 237 Eighth avenue, Bookbinder; salary \$1,200 per annum.

Timothy S. Hanley, No. 242 West One Hundred and Forty-third street, Office Attendant; salary \$1,200 per annum.

Charles S. Mulligan, West New Brighton, Deputy Tax Commissioner; salary \$1,800 per annum.



OFFICIAL DIRECTORY.

CITY OFFICERS.

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

EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 5 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

Telephone, 8022 Cortlandt.

GEORGE B. MCCLELLAN, Mayor.

John H. O'Brien, Secretary.

Thomas Hassett, Assistant Secretary.

James A. Rierdon, Chief Clerk and Bond and War-

rant Clerk.

Bureau of Weights and Measures.

Room 7, City Hall, 9 A. M. to 4 P. M.; Saturday, 9 A. M. to 12 M.

Telephone, 8020 Cortlandt.

Patrick Derry, Chief of Bureau.

Bureau of Licenses.

9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

Telephone, 8020 Cortlandt.

John P. Corrigan, Chief of Bureau.

Principal Office, Room 1, City Hall. Gaetano

O'Amato, Deputy Chief, Boroughs of Manhattan and

The Bronx.

Branch Office, Room 12, Borough Hall, Brooklyn.

Daniel J. Griffin, Deputy Chief, Borough of Brooklyn.

Branch Office, Richmond Building, New Brighton.

S. I. William R. Woelfe, Financial Clerk, Borough of

Richmond.

Branch Office, Hackett Building, Long Island City.

Charles H. Smith, Financial Clerk, Borough of Queens.

THE CITY RECORD OFFICE.

Bureau of Printing, Stationery and Blank Books.

Supervisor's Office, Park Row Building, No. 21 Park

Row. Entrance Room 803, 9 A. M. to 4 P. M.; Saturdays,

9 A. M. to 12 M.

Telephone, 1505 and 1506 Cortlandt. Supply Room,

No. 2 City Hall.

Patrick J. Tracy, Supervisor; Henry McMillen

Deputy Supervisor; C. McKemie, Secretary

BOARD OF ALDERMEN.

No. 11 City Hall, 10 A. M. to 4 P. M.; Saturdays, 10

A. M. to 12 M.

Telephone 7560 Cortlandt.

Charles V. Fornes, President.

P. J. Scully, City Clerk.

CITY CLERK AND CLERK OF THE

BOARD OF ALDERMEN.

City Hall, Rooms 11, 12; 10 A. M. to 4 P. M.; Satur-

days, 10 A. M. to 12 M.

Telephone, 7560 Cortlandt.

P. J. Scully, City Clerk and Clerk of the Board of

Aldermen.

Thomas Murphy, First Deputy City Clerk.

Michael F. Blake, Chief Clerk of the Board of Alder-

men.

Joseph V. Scully, Deputy City Clerk, Borough of

Brooklyn.

Thomas J. McCabe, Deputy City Clerk, Borough of

The Bronx.

William R. Zimmerman, Deputy City Clerk, Borough

of Queens.

Joseph F. O'Grady, Deputy City Clerk, Borough of

Richmond.

DEPARTMENT OF FINANCE.

Stewart Building, Chambers street and Broadway, 9

A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 noon.

Edward M. Grout, Comptroller.

N. Taylor Phillips and James W. Stevenson, Deputy

Comptrollers.

Hubert L. Smith, Assistant Deputy Comptroller.

Oliver E. Stanton, Secretary to Comptroller.

Main Division.

H. J. Storrs, Chief Clerk, Room 11.

Bookkeeping and Awards Division.

Joseph Haag, Chief Accountant and Bookkeeper.

Stock and Bond Division.

James J. Sullivan, Chief Stock and Bond Clerk.

Room 37.

Bureau of Audit—Main Division.

William McKlany, Chief Auditor of Accounts,

Room 27.

Law and Adjustment Division.

James F. McKlany, Auditor of Accounts, Room

185.

Investigating Division.

Charles S. Hervey, Auditor of Accounts, Room 178.

Charitable Institutions Division.

Daniel C. Foster, Chief Examiner of Accounts of

Institutions, Room 38.

Bureau of the City Paymaster.

No. 83 Chambers street, and No. 65 Reade street.

John H. Timmerman, City Paymaster.

Bureau of Engineering.

Stewart Building, Chambers street and Broadway.

Eugene E. McLean, Chief Engineer, Room 55.

Real Estate Bureau.

Mortimer J. Brown, Appraiser of Real Estate,

Room 157.

Bureau of Franchises.

Harry P. Nichols, Principal Assistant Engineer in

Charge, Room 79.

Bureau for the Collection of Taxes.

Borough of Manhattan—Stewart Building, Room O.

David E. Austen, Receiver of Taxes.

John J. McDonough, Deputy Receiver of Taxes.

Borough of The Bronx—Municipal Building, Third

and Tremont avenues.

John B. Underhill, Deputy Receiver of Taxes.

Borough of Brooklyn—Municipal Building, Rooms

2-8.

Jacob S. Van Wyck, Deputy Receiver of Taxes.

Borough of Queens—Hackett Building, Jackson

avenue and Fifth street, Long Island City.

Frederick W. Blackwenn, Deputy Receiver of

Taxes.

Borough of Richmond—Bay and Sand streets,

Stapleton.

John DeMorgan, Deputy Receiver of Taxes.

Bureau for the Collection of Assessments and Arrears.

Borough of Manhattan—Stewart Building, Room 82.

Edward A. Slattery, Collector of Assessments and

Arrears.

John B. Adger Mullally, Deputy Collector of As-

sessments and Arrears.

Borough of The Bronx—Municipal Building, Rooms

1-3.

James J. Donovan, Jr., Deputy Collector of Assess-

ments and Arrears.

Borough of Brooklyn—Municipal Building.

John H. McCooey, Deputy Collector of Assess-

ments and Arrears.

Borough of Queens—Hackett Building, Jackson

avenue and Fifth street, Long Island City.

Patrick E. Leahy, Deputy Collector of Assessments

and Arrears.

Borough of Richmond—Bay and Sand streets,

Stapleton.

George Brand, Deputy Collector of Assessments

and Arrears.

Bureau for the Collection of City Revenue and of

Markets.

Stewart Building, Chambers street and Broadway,

Room 147.

Thomas F. Byrnes, Collector of City Revenue and

Superintendent of Markets.

James H. Baldwin, Deputy Collector of City

Revenue.

David O'Brien, Deputy Superintendent of Markets.

Bureau of the City Chamberlain.

Stewart Building, Chambers street and Broadway,

Rooms 63 to 67; and Kings County Court-house, Room

14, Borough of Brooklyn.

Patrick Keenan, City Chamberlain.

John H. Campbell, Deputy Chamberlain.

COMMISSIONER OF LICENSES.

Office, No. 277 Broadway.

Frederick L. C. Keating, Commissioner.

John J. Caldwell, Secretary.

Office hours, 9 A. M. to 4 P. M.; Saturday, 9 A. M. to

12 M.

Telephone, 5884 Franklin.

LAW DEPARTMENT.

Office of Corporation Counsel.

Staats-Zeitung Building, 2d, 3d and 4th floors, 9

A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.

Telephone, 5366 Cortlandt.

John J. Delany, Corporation Counsel.

Assistants—Theodore Connolly, Charles D. Olen-

dorf, George L. Sterling, Charles L. Guy, William P.

Burr, Edwin J. Freedman, John L. O'Brien, Terence

Farley, James T. Malone, Cornelius F. Collins,

William J. O'Sullivan, Arthur C. Butts, Charles N.

Harris, George S. Coleman, Charles A. O'Neil, Will-

iam Beers Crowell, Arthur Sweeney, John F. O'Brien,

John C. Breckenridge, Louis H. Hahlo, Andrew T.

Campbell, Jr., Franklin Chase Hoyt, E. Crosby Kin-

dleberger, Montgomery Hare, Thomas F. Noonan,

Stephen O'Brien, Charles McIntyre, William H.

King, Royal E. T. Riggs, J. Gabriel Britt.

Secretary to the Corporation Counsel—William F.

Clark.

Borough of Brooklyn Branch Office—James D. Bell

Assistant in charge.

Borough of Queens Branch Office—Denis O'Leary,

Assistant in charge.

Borough of The Bronx Branch Office—Richard H.

BOARD OF REVISION OF ASSESSMENTS.

Edward M. Grout, Comptroller
John J. Delany, Corporation Counsel.
Frank A. O'Donnell, President of the Department of Taxes and Assessments.
Henry J. Storrs, Chief Clerk, Finance Department, No. 280 Broadway.

AQUEDUCT COMMISSIONERS.

Room 207 Stewart Building, 5th floor, 9 A. M. to 4 P. M. Telephone, 1942 Franklin.
The Mayor, the Comptroller, *ex-officio*; Commissioners John F. Cowan (President), William H. Ten Eyck, John J. Ryan, and John P. Windolph; Harry W. Walker, Secretary; Jonas Waldo Smith, Chief Engineer.

POLICE DEPARTMENT.

Central Office.
No. 300 Mulberry street, 9 A. M. to 4 P. M.
Telephone, 3100 Spring.
William McAdoo, Commissioner
Thomas F. McAvoy, First Deputy Commissioner.
Thomas F. Farrell, Second Deputy Commissioner.
William H. Kipp, Chief Clerk.

BOARD OF ARMORY COMMISSIONERS.

The Mayor, George B. McClellan, Chairman; the President of the Department of Taxes and Assessments, Frank A. O'Donnell, Vice-Chairman; the President of the Board of Aldermen, Charles V. Fornes; Brigadier-General James McLeer and Brigadier-General George Moore Smith, Commissioners.
Eugene A. Fornes, Secretary, and Frank J. Bell, Acting Secretary, Stewart Building, No. 280 Broadway. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

BOARD OF ELECTIONS.

Headquarters, General Office, No. 107 West Forty-first street.
Commissioners—John R. Voorhis (President), Charles B. Page (Secretary), John Maguire, Michael J. Dady, A. C. Allen, Chief Clerk of the Board.

BOROUGH OFFICES.

Manhattan.
No. 112 West Forty-second street,
William C. Baxter, Chief Clerk.
The Bronx.
One Hundred and Thirty-eighth street and Mott avenue (Solingen Building).
Cornelius A. Bunner, Chief Clerk.
Brooklyn.
No. 42 Court street (Temple Bar Building).
George Russell, Chief Clerk.
Queens.
No. 51 Jackson avenue, Long Island City.
Carl Vogel, Chief Clerk.
Richmond.
Staten Island Savings Bank Building, Beach and Water streets, Stapleton, S. I.
Alexander M. Ross, Chief Clerk.
All offices open from 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

DEPARTMENT OF BRIDGES.

Nos. 13-21 Park Row.
George E. Best, Commissioner.
Frank J. Ulrich, Deputy Commissioner.
F. E. V. Dunn, Secretary.
Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.
Telephone, 6080 Cortlandt.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Nos. 13 to 21 Park row, 9 A. M. to 4 P. M.
Telephones, Manhattan, 256 Cortlandt; Brooklyn, 280 Main; Queens, 439 Greenpoint; Richmond, 94 Tompkinsville; Bronx, 62 Tremont.
John T. Oakley, Commissioner.
Frank J. Goodwin, Deputy Commissioner.
I. M. de Verona, Acting Chief Engineer.
George W. Birdsall, Consulting Hydraulic Engineer.
George F. Sever, Consulting Electrical Engineer.
Charles F. Lacombe, Engineer of Surface Construction.

Joseph W. Savage, Water Registrar, Manhattan.
William M. Blake, Private Secretary.
Joseph F. Prendergast, Secretary to the Department.
Thomas R. Farrell, Deputy Commissioner, Borough of Brooklyn, Municipal Building, Brooklyn.
William R. McGuire, Water Registrar, Brooklyn.
Thomas H. O'Neill, Deputy Commissioner, Borough of The Bronx, Crotona Park Building, One Hundred and Seventy-seventh street and Third avenue.
Thomas M. Lynch, Water Registrar, The Bronx.
George H. Creed, Deputy Commissioner, Borough of Queens, Hackett Building, Long Island City.
Edward I. Miller, Deputy Commissioner, Borough of Richmond, Richmond Building, New Brighton, S. I.

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.
Telephone, 2330 Plaza, Manhattan; 2356 Main, Brooklyn.
Nicholas J. Hayes, Fire Commissioner.
Thomas W. Churchill, Deputy Commissioner.
William A. Doyle, Deputy Commissioner, Boroughs of Brooklyn and Queens.
Alfred M. Downes, Secretary; Albert F. Volgenau, Secretary to the Commissioner; George F. Dobson, Jr., Secretary to the Deputy Commissioner.
Edward F. Croker, Chief of Department.
Thomas Lally, Deputy Chief of Department in charge, Boroughs of Brooklyn and Queens.
George E. Murray, Inspector of Combustibles.
William A. Hervey, Assistant Inspector of Combustibles, Boroughs of Brooklyn and Queens, Nos. 365 and 367 Jay street, Brooklyn.
Peter Seery, Fire Marshal, Boroughs of Manhattan, The Bronx and Richmond.
William L. Beers, Assistant Fire Marshal in charge, Boroughs of Brooklyn and Queens.
George Farrell, Chief Operator in charge of Fire Alarm Telegraph Bureau, Boroughs of Manhattan, The Bronx and Richmond.
James T. Wafer, Chief Operator in charge of Fire Alarm Telegraph Bureau, Boroughs of Brooklyn and Queens.
William T. Beggin, Chief of Battalion in charge Bureau of Violations and Auxiliary Fire Appliances, Boroughs of Manhattan and The Bronx.
Michael Quinn, Foreman in charge Bureau of Violations and Auxiliary Fire Appliances, Boroughs of Brooklyn and Queens.
Central Office open at all hours.
Committee to examine persons who handle explosives meets Thursday of each week at 2 o'clock P. M.

MUNICIPAL EXPLOSIVES COMMISSION.

Nos. 157 and 159 East Sixty-seventh street, Headquarters Fire Department.
Fire Commissioner Nicholas J. Hayes, Chairman
William Montgomery, John Sherry, Abraham Piser, Franz S. Wolf, Secretary, No. 157 East Sixty-seventh street.

DEPARTMENT OF CORRECTION.

Central Office.
No. 148 East Twentieth street. Office hours from 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.
Telephone, 1047 Gramercy.
Francis J. Lantry, Commissioner.
George W. Meyer, Jr., Deputy Commissioner.
John B. Fitzgerald, Secretary.

DEPARTMENT OF STREET CLEANING.

Nos. 13 to 21 Park Row, 9 A. M. to 4 P. M.
Telephone, 3863 Cortlandt.
John McGaw Woodbury, Commissioner.
F. M. Gibson, Deputy Commissioner.
John J. O'Brien, Chief Clerk.

DEPARTMENT OF PUBLIC CHARITIES.

Central Office.
Foot of East Twenty-sixth street, 9 A. M. to 4 P. M.
Telephone, 3330 Madison Square.
James H. Tully, Commissioner.
James E. Dougherty, First Deputy Commissioner.
James J. McInerney, Second Deputy Commissioner for Brooklyn and Queens, Nos. 126 and 128 Livingston street, Brooklyn.
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.
Bureau of Dependent Adults, foot of East Twenty-sixth street. Office hours, 8:30 A. M. to 4 P. M.
Bureau of Dependent Children, No. 66 Third avenue. Office hours, 8:30 A. M. to 4 P. M.

TENEMENT HOUSE DEPARTMENT.

Manhattan Office, No. 44 East Twenty-third street.
Telephone, 5331 Gramercy.
Brooklyn Office, Temple Bar Building, No. 44 Court street.
Bronx Office, Nos. 2806 and 2808 Third avenue.
Edmond J. Butler, Commissioner.
John F. Skelly, First Deputy Tenement House Commissioner.
William Brennan, Second Deputy Tenement House Commissioner.
Charles J. Crowley, Secretary, Tenement House Department.
William B. Calvert, Superintendent, Bronx Office.
Michael A. Rofrano, Superintendent, Manhattan Office.
John A. Lee, Chief Inspector, New Building Bureau, Manhattan.
James Sweeney, Chief Inspector, New Building Bureau, Brooklyn.
Morton O. Davis, Chief Inspector, Old Building Bureau, Brooklyn.
Joseph A. Cassidy, Chief Inspector, New Building Bureau, The Bronx.
Michael F. McGee, Chief Inspector, Old Building Bureau, The Bronx.

DEPARTMENT OF DOCKS AND FERRIES.

Pier "A," N. R., Battery place.
Telephone, 1681 Broad.
Maurice Featherston, Commissioner.
Joseph A. Bill, Deputy Commissioner.
Charles J. Collins, Secretary.
Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.

BELLEVUE AND ALLIED HOSPITALS.

Telephone, 4400 Madison Square.
Board of Trustees—Dr. John W. Brannan, President; James K. Paulding, Secretary; Leopold Stern, Theodore E. Tack, Arden M. Robbins, Myles Tierney, Samuel Sachs, James H. Tully, *ex-officio*.

DEPARTMENT OF HEALTH.

Southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan, 9 A. M. to 4 P. M.
Burial Permit and Contagious Disease Offices always open.
Thomas Darlington, M. D., Commissioner of Health and President.
Telephone, 1204 Columbus.
Eugene W. Scheffer, Secretary.
Frederic D. Bell, Chief Clerk.
Charles F. Roberts, M. D., Sanitary Superintendent.
William H. Guilfoyle, M. D., Registrar of Records.
Borough of Manhattan.
Walter Bessel, M. D., Assistant Sanitary Superintendent. James McC. Miller, Assistant Chief Clerk.
Charles J. Burke, M. D., Assistant Registrar of Records.
Borough of The Bronx, No. 1237 Franklin Avenue.
Gerald Shell, M. D., Assistant Sanitary Superintendent. Ambrose E. Lee, Assistant Chief Clerk.
Arthur J. O'Leary, M. D., Assistant Registrar of Records.
Borough of Brooklyn, Nos. 38 and 40 Clinton Street.
Thomas L. Fogarty, M. D., Assistant Sanitary Superintendent. Alfred T. Metcalfe, Assistant Chief Clerk. S. J. Byrne, M. D., Assistant Registrar of Records.
Borough of Queens, Nos. 372 and 374 Fulton Street, Jamaica.
John P. Moore, M. D., Assistant Sanitary Superintendent. George R. Crowley, Assistant Chief Clerk.
Frank Wickham, M. D., Assistant Registrar of Records.
Borough of Richmond, Nos. 54 and 56 Water Street, Stapleton, Staten Island.
John T. Sprague, M. D., Assistant Sanitary Superintendent. Charles E. Hoyer, Assistant Chief Clerk.
Walter Wood, M. D., Assistant Registrar of Records.

DEPARTMENT OF PARKS.

John J. Pallas, Commissioner of Parks for the Boroughs of Manhattan and Richmond and President of the Park Board.
Willis Holly, Secretary Park Board.
Offices, Arsenal, Central Park.
Michael J. Kennedy, Commissioner of Parks for the Boroughs of Brooklyn and Queens.
Offices, Litchfield Mansion, Prospect Park, Brooklyn.
Henry C. Schrader, Commissioner of Parks for the Borough of The Bronx.
Offices, Zbrovski Mansion, Claremont Park.
Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Stewart Building, No. 280 Broadway. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.
Commissioners—Frank A. O'Donnell, President; James B. Bouck, Edward Todd, Samuel Strasbourger, Frank Raymond, Nicholas Muller, John J. Brady.

MUNICIPAL CIVIL SERVICE COMMISSION.

No. 61 Elm street, 9 A. M. to 4 P. M.
William F. Baker, R. Ross Appleton, Alfred J. Talley.
Henry Berlinger, Secretary.

BOARD OF ASSESSORS.

Office, No. 330 Broadway, 9 A. M. to 4 P. M.; Saturdays, 12 M.
Robert Muh, President.
Antonio Zucca.
Charles A. O'Malley.
W. H. Jasper, Secretary.

DEPARTMENT OF EDUCATION.

BOARD OF EDUCATION.
Park avenue and Fifty-ninth street, Borough of Manhattan, 9 A. M. to 5 P. M. (in the month of August 9 A. M. to 4 P. M.); Saturdays, 9 A. M. to 12 M.
Telephone, 1180 Plaza.
Richard H. Adams, Richard B. Aldcroft, Jr.; Frank L. Babbott, Grosvenor H. Backus, Nicholas J. Barrett, John J. Barry, M. D.; Dwight Collier, Francis P. Cannon, Samuel M. Dix, Samuel B. Donnelly, Theodore C. Eppig, A. Leo Everett, Frank Harvey Field, Joseph Nicola Francolini, Algonson S. Frissell, John Greene, George D. Hamlin, M. D.; William Harkness, Robert L. Harrison, Louis Haupt, M. D.; Thomas J. Higgins, James J. Higginson, Charles H. Ingalls, Frederic W. Jackson, Nathan S. Jonas, John C. Kelley, John P. Kelly, William Lummis, Alrick H. Man, Frederic W. Marks, Patrick F. McGowan, Frank H. Partridge, George E. Payne, James A. Renwick, George W. Schaeffle, Henry Schmitt, Abraham Stern, M. Samuel Stern, John R. Thompson, Henry N. Tift, George A. Vandenhoff, Felix M. Warburg, James Weir, Jr.; Frank D. Wilsey, George W. Wingate, Egerton L. Winthrop, Jr.
Henry N. Tift, President.
John C. Kelley, Vice-President.
A. Emerson Palmer, Secretary.
Fred H. Johnson, Assistant Secretary.
C. B. J. Snyder, Superintendent of School Buildings.
Patrick Jones, Superintendent of School Supplies.
Henry R. M. Cook, Auditor.
Henry M. Leipziger, Supervisor of Lectures.
Claude G. Leland, Superintendent of Libraries.
Henry M. Devoe, Supervisor of Janitors.

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William H. Maxwell, City Superintendent of Schools, and George S. Davis, Andrew W. Edson, Algonson S. Higgins, Albert P. Marble, Clarence E. Meleney, Thomas S. O'Brien, Edward L. Stevens, John M. Walsh, Associate City Superintendents.

District Superintendents.

Darwin L. Bardwell, William A. Campbell, John J. Chickering, John Dwyer, James M. Edsall, Matthew J. Elgas, Edward D. Farrell, Cornelius E. Franklin, John Griffin, M. D.; John H. Haaren, John N. L. Hunt, Henry W. Jameson, James Lee, Charles W. Lyon, Jr., James J. McCabe, Arthur McMullin, Julia Richman, Alfred T. Schaeffer, Edward B. Shallow, Edgar Dubs Shimer, Seth T. Stewart, Edward W. Stitt, Grace C. Strachan, Gustave Straubenmuller, Joseph S. Taylor, Evangeline E. Whitney.

Board of Examiners.

William H. Maxwell, City Superintendent of Schools, and James C. Byrnes, Walter L. Hervey, Jerome A. O'Connell, George J. Smith.

ART COMMISSION.

City Hall, Room 21.
Telephone call, 1197 Cortlandt.
Robert W. de Forest, President; A. Augustus Healy, President of the Brooklyn Institute of Arts and Sciences, Vice-President; Loyall Farragut, Secretary; George B. McClellan, Mayor of The City of New York; J. Pierpont Morgan, President of Metropolitan Museum of Art; John Bigelow, President of New York Public Library; J. Carroll Beckwith, Painter; A. Phimister Proctor, Sculptor; Walter Cook, Architect; John D. Crammas.
Milo R. Maltbie, Assistant Secretary.

THE BOARD OF EXAMINERS OF THE CITY OF NEW YORK.

Rooms 6037 and 6038 Metropolitan Building, No. 1 Madison avenue, Borough of Manhattan. 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 noon.
William J. Fryer, Chairman; Walter Cook, Warren A. Conover, Charles G. Smith, Edward F. Croker, Lewis Harding and Charles Buck.
Thomas F. Donohue, Clerk.
Board meeting every Tuesday at 2 P. M.

EXAMINING BOARD OF PLUMBERS.

Robert McCabe, President; David Jones, Secretary; Thomas E. O'Brien, Treasurer; *ex-officio* Horace Loomis and P. J. Andrews.
Rooms 14, 15 and 16 Aldrich Building, Nos. 149 and 151 Church street.
Office open during business hours every day in the year, except legal holidays. Examinations are held on Monday, Wednesday and Friday after 1 P. M.

BOARD OF RAPID TRANSIT RAILROAD COMMISSIONERS.

Board of Rapid Transit Railroad Commissioners
No. 320 Broadway, New York.
Bion L. Burrows, Secretary.

NEW YORK CITY IMPROVEMENT COMMISSION.

Nos. 13-21 Park row.
Francis K. Pendleton, Chairman; Daniel S. Lamont, Jacob A. Cantor, George A. Hearn, Whitney Warren, Harry Payne Whitney, Frank Bailey, John W. Alexander, Daniel C. French, Louis F. Haffen, James A. Wright, Joseph Cassidy, William J. La Roche, J. Edward Swanstrom, George Cromwell and Henry S. Thompson.
Advisory Committee—Nelson P. Lewis, Chief Engineer, Board of Estimate and Apportionment, Secretary to the Commission; John A. Bessel, Chief Engineer, Department of Docks and Ferries; O. F. Nichols, Chief Engineer, Bridge Department; Samuel Parsons, Jr., Landscape Architect, Park Department.
Nathaniel Rosenberg, Assistant Secretary.

BOARD OF WATER SUPPLY.

Office, 299 Broadway.
J. Edward Simmons, Charles N. Chadwick and Charles A. Shaw, Commissioners.
Charles N. Chadwick, Secretary; H. G. Murray, Assistant Secretary.

BOROUGH OFFICES.

Borough of Manhattan.
Office of the President, Nos. 10, 11 and 12 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.
John F. Ahern, President.
Bernard Downing, Secretary.
Isaac A. Hopper, Superintendent of Buildings.
William Dalton, Commissioner of Public Works.
James J. Hagan, Assistant Commissioner of Public Works.
William H. Walker, Superintendent of Public Buildings and Offices.
Matthew F. Donohue, Superintendent of Sewers.
George F. Scannell, Superintendent of Highways.
Borough of The Bronx.
Office of the President, 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. Haffen, President.
Henry A. Crambleton, Secretary.

Patrick J. Reville, Superintendent of Buildings.
Henry Bruckner, Commissioner of Public Works.
Josiah A. Briggs, Chief Engineer.
Frederick Greiffenberg, Principal Assistant Topographical Engineer.
Charles W. Graham, Engineer of Sewers.
Martin Geisler, Superintendent of Highways.

Borough of Brooklyn.

President's Office, Nos. 15 and 16 Borough Hall, 9 A. M. to 4:30 P. M.; Saturdays, 9 A. M. to 12 M.
Martin W. Littleton, President.
John A. Heffernan, Secretary.
Denis A. Judge, Private Secretary.
John C. Brackenridge, Commissioner of Public Works.
James S. Regan, Assistant Commissioner of Public Works.
Peter J. Collins, Superintendent of Buildings.
George W. Tillson, Chief Engineer-in-Charge Bureau of Highways.
Arthur J. O'Keefe, Superintendent of the Bureau of Sewers.
Charles C. Wise, Superintendent of the Bureau of Public Buildings and Offices.

Borough of Queens.

President's Office, Borough Hall, Jackson avenue and Fifth street, Long Island City.
Joseph Cassidy, President.
George S. Jervis, Secretary to the President.
Joseph Barmel, Commissioner of Public Works.
Samuel Grennon, Superintendent of Highways.
Office, Hackett Building, Long Island City.
Joseph P. Powers, Superintendent of Buildings.
John F. Rogers, Superintendent of Public Buildings and Offices, Jamaica, L. I.
Matthew J. Goldner, Superintendent of Sewers.
James F. O'Brien, Superintendent of Street Cleaning.
Robert R. Crowell, Assistant Engineer-in-Charge, Topographical Bureau.
Office, Long Island City, 9 A. M. to 4 P. M.; Saturdays, from 9 A. M. until 12 M.

Borough of Richmond.

President's Office, New Brighton, Staten Island.
George Cromwell, President.
Maybury Fleming, Secretary.
Louis Lincoln Tribus, Commissioner of Public Works.
John Seaton, Superintendent of Building.
John Timlin, Jr., Superintendent of Public Buildings and Offices.
H. E. Buel, Superintendent of Highways.
John T. Featherston, Acting Superintendent of Street Cleaning.
Ernest H. Seehusen, Superintendent of Sewers.
Office of the President, First National Bank Building, New Brighton, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

CORONERS.

Borough of Manhattan—Office, Criminal Courts Building, Centre and White streets. Open at all times of the day and night.
Coroners, Gustav Scholer, Solomon Goldenkranz, Nicholas T. Brown and Moses J. Jackson.
Gustav Scholer, President, Board of Coroners.
Stephen N. Simonson, Chief Clerk.
Borough of The Bronx—Corner of Third avenue and One Hundred and Seventy-seventh street. Telephone 333 Tremont.
Walter H. Henning, Chief Clerk.
William O'Gorman, Jr., Joseph I. Berry.
Borough of Brooklyn—Office, Room 11, Borouga Hall. Telephone, 4004 Main and 4005 Main.
Philip T. Williams, Michael J. Flaherty.
James L. Gernon, Chief Clerk.
Open at all hours of day and night, except between the hours of 12 M. and 5 P. M. on Sundays and holidays.
Borough of Queens—Office, Borough Hall, Fulton street, Jamaica, L. I.
Samuel D. Nutt, Leonard Ruoff, Jr.
Martin Mager, Jr., Chief Clerk.
Office hours from 9 A. M. to 4 P. M.
Borough of Richmond—No. 174 Bay street, Stapleton. Open for the transaction of business all hours of the day and night.
George F. Schaefer.

NEW YORK COUNTY OFFICES. SURROGATE.

New County Court-house. Court open from 9 A. M. to 4 P. M., except Saturday, when it closes at 12 M. During the months of July and August the hours are from 9 A. M. to 2 P. M.
Frank T. Fitzgerald, Abner C. Thomas, Surrogates; William V. Leary, Chief Clerk.

SHERIFF.

No. 299 Broadway, 9 A. M. to 4 P. M.
Mitchell L. Erlanger, Sheriff; Julius Harburger, Under Sheriff.

COUNTY JAIL.

No. 70 Ludlow street.
Mitchell L. Erlanger, Sheriff.
Julius Harburger, Under Sheriff.
Thomas H. Sullivan, Warden.

DISTRICT ATTORNEY.

Building for Criminal Courts, Franklin and Centre streets.
Office hours from 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.
William Travers Jerome, District Attorney.
John A. Heaneberry, Chief Clerk.

REGISTER.

No. 116 Nassau street. Office hours from 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. During the months of July and August the hours are from 9 A. M. to 2 P. M.
John H. J. Ronner, Register; Henry H. Sherman, Deputy Register.

COUNTY CLERK.

Nos. 8, 9, 10 and 11 New County Court-house
Office hours from 9 A. M. to 5 P. M.
Thomas L. Hamilton, County Clerk.
Henry Birrell, Deputy.
Patrick H. Dunn, Secretary.

COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
Thomas Allison, Commissioner.
Matthew F. Neville, Assistant Commissioner.
Frederick P. Simpson, Assistant Commissioner.
Frederick O'Byrne, Secretary.

PUBLIC ADMINISTRATOR.

No. 119 Nassau street, 9 A. M. to 4 P. M.
William M. Hoes, Public Administrator.

KINGS COUNTY OFFICES. COUNTY COURT, KINGS COUNTY.

County Court-house, Brooklyn, Rooms 10, 12, 22 and 23. Court opens at 10 A. M. daily and sits until business is completed. Part I, Room No. 23; Part II, Room No. 10. Court-house, Clerk's Office, Rooms 19 and 20, open daily from 9 A. M. to 4 P. M.; Saturdays, 12 M.
Joseph Aspinall and Frederick E. Crane, County Judges.
Charles S. Devoe, Chief Clerk.

SURROGATE.

Hall of Records, Brooklyn, N. Y.
James C. Church, Surrogate.
William P. Pickett, Clerk of the Surrogate's Court.
Court opens at 10 A. M. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

SHERIFF.

County Court-house, Brooklyn, N. Y.
9 A. M. to 4 P. M.; Saturdays, 12 M. to 2 P. M.
Henry Hesterberg, Sheriff.

COUNTY JAIL.

Raymond street, between Willoughby street and DeKalb avenue, Brooklyn, N. Y.
Henry Hesterberg, Sheriff.
William McLaughlin, Warden.

DISTRICT ATTORNEY.

Office, County Court-house, Borough of Brooklyn.
Hours, 9 A. M. to 5 P. M.
John F. Clarke, District Attorney.

REGISTER.

Hall of Records. Office hours, 9 A. M. to 4 P. M., excepting months of July and August; then from 9 A. M. to 2 P. M., provided for by statute.
Matthew E. Dooley, Register.
Patrick H. Quinn, Deputy Register.
Augustus W. Maul, Assistant Deputy Register.
John B. Shanahan, Counsel.
John H. McArdle, Secretary.

COUNTY CLERK.

Hall of Records, Brooklyn, 9 A. M. to 4 P. M.
Edward Kaufmann, County Clerk.
Dennis Winter, Deputy County Clerk.
Joseph P. Donnelly, Assistant Deputy County Clerk.
Telephone call 1151 Main.

COMMISSIONER OF JURORS.

County Court-house.
Jacob Brenner, Commissioner.
Jacob A. Livingston, Deputy Commissioner.
Albert B. Waldron, Secretary.
Office hours from 9 A. M. to 4 P. M.; Saturdays from 9 A. M. to 12 M.
Office hours during July and August, 9 A. M. to 2 P. M.; Saturdays from 9 A. M. to 12 M.

COMMISSIONER OF RECORDS.

Hall of Records.
Office hours, 9 A. M. to 4 P. M., excepting months of July and August, then 9 A. M. to 2 P. M.; Saturdays, 9 A. M. to 12 M.
John K. Neal, Commissioner.
D. H. Ralston, Deputy Commissioner.
Thomas D. Mossop, Superintendent.
William I. Beattie, Assistant Superintendent.

PUBLIC ADMINISTRATOR.

No. 26 Court street (Garfield Building), Brooklyn, 9 A. M. to 4 P. M.
Henry Bristow, Public Administrator.

QUEENS COUNTY OFFICES.**SURROGATE.**

Daniel Noble, Surrogate.
Office at Jamaica.
Except on Sundays, holidays and half-holidays the office is open between March 31 and October 1 from 8 A. M. to 5 P. M.; on Saturdays from 8 A. M. to 12 M.; between September 30 and April 1, from 9 A. M. to 5 P. M.; on Saturdays from 9 A. M. to 12 M.
The calendar is called on Tuesday of each week at 10 A. M., except during the month of August, when no court is held, and the court sits every day thereafter until all contested cases have been disposed of.

COUNTY COURT.

County Court-house, Long Island City.
County Court opens at 10 A. M. and adjourns at 5 P. M.
County Judge's office always open at No. 336 Fulton street, Jamaica, N. Y.
Burt J. Humphrey, County Judge.

SHERIFF.

County Court-house, Long Island City, 9 A. M. to 4 P. M.; Saturdays, from 9 A. M. to 12 M.
Joseph Meyerrose, Sheriff.
Henry W. Sharkey, Deputy Sheriff.
William Repper, Chief Deput.

DISTRICT ATTORNEY.

Office, Queens County Court-house, Long Island City, 9 A. M. to 5 P. M.
George A. Gregg, District Attorney.

COUNTY CLERK.

Jamaica, N. Y.; Fourth Ward, Borough of Queens.
Office hours, April 1 to October 1, 8 A. M. to 5 P. M.; October 1 to April 1, 9 A. M. to 5 P. M.; Saturdays to 12 M.
David L. Von Nostrand, County Clerk.
Charles Downing, Deputy County Clerk.

COMMISSIONER OF JURORS.

Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.
John P. Balbert, Commissioner of Jurors.
Rodman Richardson, Assistant Commissioner.

PUBLIC ADMINISTRATOR.

No. 103 Third street, Long Island City, 9 A. M. to 4 P. M.
Charles A. Wadley, Public Administrator.

RICHMOND COUNTY OFFICES.**COUNTY JUDGE AND SURROGATE.**

Terms of Court, Richmond County, 1905.
County Courts—Stephen D. Stephens, County Judge.
First Monday of June, Grand and Trial Jury.
First Monday of December, Grand and Trial Jury.
Fourth Wednesday of January, without a jury.
Fourth Thursday of February, without a jury.
Fourth Wednesday of March, without a jury.
Fourth Wednesday of April, without a jury.
Fourth Wednesday of July, without a jury.
Fourth Wednesday of September, without a jury.
Fourth Wednesday of October, without a jury.
—All at the Court-house at Richmond.
Surrogate's Court—Stephen D. Stephens, Surrogate.
Mondays, at the First National Bank Building, St. George, at 10.30 o'clock A. M.
Tuesdays, at the First National Bank Building, St. George, at 10.30 o'clock A. M.
Wednesdays, at the Surrogate's Office, Richmond, at 10.30 o'clock A. M.

DISTRICT ATTORNEY.

400 Richmond Terrace, New Brighton, S. I.
Office hours from 9 A. M. to 12 M., and from 1 P. M. to 5 P. M.
John J. Kenny, District Attorney.

COUNTY CLERK.

County Office Building, Richmond, S. I., 9 A. M. to 4 P. M.
C. L. Bostwick, County Clerk.
County Court-house, Richmond, S. I., 9 A. M. to 4 P. M.

SHERIFF.

County Court-house, Richmond, S. I.
Office hours, 9 A. M. to 4 P. M.
Charles H. McCormack, Sheriff.
Thomas A. Banning, Under Sheriff.

COMMISSIONER OF JURORS.

Village Hall, Stapleton.
Charles J. Kullman, Commissioner.
John J. McCaughey, Assistant Commissioner.
Office open from 9 A. M. until 4 P. M. Saturdays from 9 A. M. to 12 M.

THE COURTS.**APPELLATE DIVISION OF THE SUPREME COURT.****FIRST JUDICIAL DEPARTMENT.**

Court-house, Madison avenue, corner Twenty-fifth street. Court opens at 1 P. M.
Morgan J. O'Brien, Presiding Justice; Edward Patterson, George L. Ingraham, Chester B. McLaughlin, Edward W. Hatch, Frank C. Laughlin, Justices; Alfred Wagstaff, Clerk; William Lamb, Deputy Clerk.
Clerk's office open at 9 A. M.

SUPREME COURT—FIRST DEPARTMENT.

County Court-house, Chambers street. Courts open from 10.15 A. M. to 4 P. M.
Special Term, Part I. (motions), Room No. 12.
Special Term, Part II. (ex-parte business), Room No. 15.
Special Term, Part III, Room No. 19.
Special Term, Part IV, Room No. 11.
Special Term, Part V, Room No. 32.
Special Term, Part VI. (Elevated Railroad cases), Room No. 31.
Trial Term, Part II, Room No. 34.
Trial Term, Part III, Room No. 17.
Trial Term, Part IV, Room No. 18.
Trial Term, Part V, Room No. 16.
Trial Term, Part VI, Room No. 35.
Trial Term, Part VII, Room No. 23.
Trial Term, Part VIII, Room No. 27.
Trial Term, Part IX, Room No. 26.
Trial Term, Part X, Room No. 28.
Trial Term, Part XI, Room No. 26.
Trial Term, Part XII, Room No. 26.
Trial Term, Part XIII, and Special Term VII, Room No. 36.
Appellate Term, Room No. 37.
Naturalization Bureau, Room No. 38, third floor.
Assignment Bureau, room on third floor.
Clerks in attendance from 10 A. M. to 4 P. M.
Clerk's Office, Special Term, Part I. (motions), Room No. 13.
Clerk's Office, Special Term, Part II. (ex-parte business), room southwest corner mezzanine floor.
Clerk's Office, Special Term, Calendar, room southeast corner second floor.
Clerk's Office, Trial Term, Calendar, room northeast corner, second floor, east.
Clerk's Office, Appellate Term, room southwest corner, third floor.
Trial Term, Part I. (criminal business).
Criminal Court-house, Centre street.

Justices—Charles H. Truax, Francis M. Scott, Charles F. MacLean, Henry Bischoff, Jr., Leonard A. Giegerich, P. Henry Dugro, Henry A. Gildersleeve, James Fitzgerald, David Leventritt, James A. O'Gorman, George C. Barrett, James A. Blanchard, John Proctor Clarke, Samuel Greenbaum, Edward E. McCall, Edward B. Amend, Vernon M. Davis, Victor J. Dowling.

SUPREME COURT—SECOND DEPARTMENT.

Kings County Court-house, Borough of Brooklyn, N. Y.
Courts open daily from 10 o'clock A. M. to 5 o'clock P. M. Six jury trial parts. Special Term for Trials.
Special Term for Motions.
James F. McGee, General Clerk.

CRIMINAL DIVISION—SUPREME COURT.

Building for Criminal Courts, Centre, Elm, White and Franklin streets.
Court opens at 10.30 A. M.
Thomas L. Hamilton, Clerk; Edward R. Carroll, Special Deputy to the Clerk.
Clerk's Office open from 9 A. M. to 4 P. M.

COURT OF GENERAL SESSIONS.

Held in the building for Criminal Courts, Centre, Elm, White and Franklin streets.
Court opens at 10.30 o'clock A. M.
Rufus B. Cowing, City Judge; John W. Goff, Recorder; Joseph E. Newburger, Martin T. McMahon and Warren W. Foster, Judges of the Court of General Sessions. Edward R. Carroll, Clerk.
Clerk's Office open from 9 A. M. to 4 P. M.

CITY COURT OF THE CITY OF NEW YORK.

No. 32 Chambers street, Brownstone Building, City Hall Park, from 10 A. M. to 4 P. M.
Part II.
Part III.
Part IV.
Part V.
Special Term Chambers will be held from 10 A. M. to 4 P. M.
Clerk's Office open from 9 A. M. to 4 P. M.
Edward F. O'Dwyer, Chief Justice; John H. McCarty, Lewis J. Conlan, Theodore F. Hascall, Francis B. Delehaanty, Samuel Seabury, Joseph L. Green, Justices. Thomas F. Smith, Clerk.

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—William E. Wyatt, John B. McKean, Willard H. Olmsted, Joseph M. Duell, Lorenz Zeller, Francis S. McAvoy, Charles W. Cullen, Clerk; William M. Fuller, Deputy Clerk.
Clerk's Office open from 9 A. M. to 4 P. M.
Second Division—Trial Days—No. 171 Atlantic avenue, 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 Fleming, Thomas W. Fitzgerald, Robert J. Wilkin, Joseph L. Kerrigan, Clerk; John J. Dorman, Deputy Clerk.
Clerk's Office, No. 171 Atlantic avenue, Borough of Brooklyn, open from 9 A. M. to 4 P. M.

CHILDREN'S COURT.

First Division—No. 66 Third avenue, Manhattan.
Edmund C. Lee, Clerk.
Second Division—No. 102 Court street, Brooklyn.
Robert J. Wilkin, Justice. James P. Sinnott, Clerk.

CITY MAGISTRATES' COURT.

Courts open from 9 A. M. to 4 P. M.
City Magistrates—Robert C. Cornell, Leroy B. Crane, Clarence W. Meade, Joseph Pool, John B. Mayo, Peter P. Barlow, Matthew P. Brown, Seward Baker, Charles S. Whitman, Joseph F. Moss, Henry Steinert, Daniel E. Finn, Charles G. F. Wahle.

James McCabe, 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.
City Magistrates—Alfred E. Steers, A. V. B. Voorhees, Jr., James G. Tighe, Edward J. Dooley, John Naumer, E. G. Higgenbotham, Frank E. O'Reilly, Henry J. Furlong.
President of Board, James G. Tighe, No. 184½ Bergen street.
Secretary to the Board, Lawrence F. Carroll, No. 269 Bedford avenue.
First District—No. 318 Adams street.
Second District—Court and Butler streets.
Third District—Myrtle and Vanderbilt avenues.
Fourth District—Lee avenue and Clymer street.
Fifth District—Manhattan avenue and Powers street.
Sixth District—No. 495 Gates avenue.
Seventh District—Grant street (Flatbush).
Eighth District—West Eighth street (Coney Island).
Borough of Queens.
City Magistrates—Matthew J. Smith, Luke I. Conorton, Edmund J. Healy.
First District—Long Island City.
Second District—Flushing.
Third District—Far Rockaway.

Borough of Richmond.
City Magistrates—John Croak, Nathaniel Marsh.
First District—New Brighton, Staten Island.
Second District—Stapleton, Staten Island.

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. Thomas O'Connell, 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, No. 59 Madison street.
John Hoyer, Justice. Francis Mangin, Clerk.
Clerk's Office open from 9 A. M. to 4 P. M.
Court opens daily at 9 A. M., and remains open until daily calendar is disposed of and close of the daily business, except on Sundays and legal holidays.

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. Clerk's Office open daily from 9 A. M. to 4 P. M. Court opens 9 A. M. daily, and remains open to close of business.
George F. Roesch, Justice. Andrew Lang, Clerk.

Fifth District—The Fifth District embraces the Eleventh Ward and all that portion of the Thirteenth Ward which lies east of the centre line of Norfolk street and north of the centre line of Grand street and west of the centre line of Pitt street and north of the centre line of Delancey street and northwest of Clinton street to Rivington street, and on the centre line of Rivington street south to Norfolk street. Court-room, No. 154 Clinton street.
Benjamin Hoffman, Justice. Thomas Fitzpatrick, Clerk.

Sixth District—Eighteenth and Twenty-first Wards. Court-room, northwest corner Twenty-third street and Second avenue. Court opens at 9 A. M. daily, and continues open until 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.
Edward A. McQuade, 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 until close of business. Summary proceedings and return causes called at 9 A. M. Calendar trial causes, 9 A. M.
Clerk's Office open from 9 A. M. to 4 P. M., and on Saturdays until 12 M.
Trial days and Return days, each Court day.
James W. McLaughlin, Justice.
Henry Merzbach, 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.

Tenth District—The Tenth District embraces that portion of the Twenty-second Ward south of Seventieth street. Court-room, No. 314 West Fifty-fourth street. Court open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.

Eleventh District—The Eleventh District embraces that portion of the Twelfth Ward which lies north of the centre line of West One Hundred and Tenth street, between Lenox avenue and Seventh avenue, north of the centre line of One Hundred and Twentieth street, between Seventh avenue and Broadway; north of the centre line of One Hundred and Nineteenth street, between Broadway and the North or Hudson river, 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, No. 70 Manhattan street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M. Court convenes daily at 9 A. M.
Francis J. Worcester, Justice. Heman B. Wilson, Clerk.

Twelfth District—The Twelfth District embraces that portion of the Twenty-second Ward north of Seventieth street, and that portion of the Twelfth Ward which lies north of the centre line of Eighty-sixth street and west of the centre line of Seventh avenue and south of the centre line of One Hundred and Twentieth street, between Seventh avenue and Broadway and south of the centre line of One Hundred and Nineteenth street, between Broadway and the North or Hudson river. Court-room, No. 2630 Broadway.
Alfred P. W. Seaman, Justice; James V. Gilloon, Clerk.

Thirteenth District—South side of Delancey street, from East river to Pitt street; east side of Pitt street, Grand street, south side of Grand street to Norfolk street, east side of Norfolk street to Division street, south side of Division street to Catharine street, east side of Catharine street to East river. Clerk's office open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.
Leon Sanders, Justice. James J. Devlin, Clerk.
Court-room, No. 200 East Broadway.

BOROUGH OF THE BRONX.

First District—All that part of the Twenty-fourth Ward which was lately annexed to the City and County of New York by chapter 934 of the Laws of 1895, comprising all of the late Town of Westchester and part of the Towns of Wakefield and Williamsbridge, including the Villages of Wakefield and Williamsbridge, Court-room, Town Hall, Main street, Westchester Village. Court open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M. Trial of causes are Tuesday and Friday of each week.
William W. Penfield, Justice. Thomas F. Delehaanty, Clerk.
Office hours, from 9 A. M. to 5 P. M.; Saturdays, closing at 12 M.

Second District—Twenty-third and Twenty-fourth Wards, except the territory described in chapter 934 of the Laws of 1895. Court-room, corner 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. Thomas A. Maher, 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.
John J. Walsh, Justice. Edward Moran, Clerk.
Clerk's Office open from 9 A. M. to 4 P. M.

Second District—Seventh, Ninth, Eleventh, Twentieth, Twenty-first and Twenty-third Wards. Court-room located at No. 495 Gates avenue, Brooklyn. Calendar called at 9 o'clock A. M.
Gerard B. Van Wan, Justice. William H. Allen, 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 J. Lynch, Justice. John W. Carpenter, Clerk.

Clerk's Office open from 9 A. M. to 4 P. M.
Court opens at 9 o'clock.

Fourth District—Twenty-fourth, Twenty-fifth, Twenty-sixth, Twenty-seventh and Twenty-eighth Wards. Court-room, No. 14 Howard avenue.
Thomas H. Williams, Justice.

G. J. Wiederhold, Clerk.
R. M. Bennett, Assistant Clerk.
Clerk's Office open from 9 A. M. to 4 P. M.

Fifth District—Eighth, Twenty-second, Twenty-ninth, Thirtieth, Thirty-first and Thirty-second Wards. Court-house, northwest corner of Fifty-third street and Third avenue.
Cornelius Furgueson, 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, No. 46 Jackson avenue, Long Island City.

Clerk's Office open from 9 A. M. to 4 P. M. each day excepting Saturdays, closing at 12 M. Trial day Mondays, Wednesdays and Fridays. All other business transacted on Tuesdays and Thursdays.
Thomas C. Kadien, Justice. Thomas F. Kennedy, Clerk.

Second District—Second and Third Wards, which includes the territory of the late Towns of Newtown and Flushing. Court-room, in Court-house of the late Town of Newtown, corner of Broadway and Court street, Elmhurst, New York. P. O. Address, Elmhurst, New York.
William Raaquin, Jr., Justice. Henry Walter, Jr., Clerk.

Clerk's Office open from 9 A. M. to 4 P. M.

Third District—Fourth and Fifth Wards, comprising the territory of the former towns and villages of Jamaica, Far Rockaway and Rockaway Beach.
James F. McLaughlin, Justice. George W. Damon, Clerk.

Court-house, Town Hall, Jamaica.
Telephone, 189 Jamaica.
Clerk's Office open from 9 A. M. to 4 P. M.
Court held on Mondays, Wednesdays and Fridays at 10 o'clock A. M.

BOROUGH OF RICHMOND.

First District—First and Third Wards (Towns of Castleton and Northfield). Court-room, former Village Hall, Lafayette avenue and Second street, New Brighton.

Thomas C. Brown, Justice. Anning S. Prall, Clerk.
Clerk's Office open from 9 A. M. to 4 P. M.

Court held each day, except Saturdays, from 10 A. M.

Second District—Second, Fourth and Fifth Wards (Towns of Middletown, Southfield and Westfield). Court-room, former Edgewater Village Hall, Stapleton.
George W. Stake, Justice. Peter Tiernan, Clerk.
Clerk's Office open from 9 A. M. to 4 P. M.

Court opens at 9 A. M. Calendar called 10 A. M. Court continued until close of business. Trial days, Monday, Wednesday and Friday.

DEPARTMENT OF EDUCATION.

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until three o'clock p. m., on

MONDAY, SEPTEMBER 11, 1905.

Borough of Queens.

No. 1. FOR THE SANITARY WORK AND GAS FITTING OF ADDITION TO AND ALTERATIONS IN PUBLIC SCHOOL 1, ON THE NORTHEAST CORNER OF VAN ALST AVENUE AND NINTH STREET, LONG ISLAND CITY, BOROUGH OF QUEENS.

The time allowed to complete the whole work will be 75 working days, as provided in the contract.
The amount of security required is Seven Thousand Dollars.

Borough of Richmond.

No. 2. FOR THE CONSTRUCTION OF A PRIVATE DRAIN FOR PUBLIC SCHOOL 16, ON WEST SIDE OF MONROE AVENUE, ABOUT 175 FEET NORTH OF FIRST AVENUE, CASTLETON, BOROUGH OF RICHMOND.

The time allowed to complete the whole work will be 60 working days, as provided in the contract.
The amount of security required is One Thousand Dollars.

On Contracts Nos. 1 and 2 the bids will be compared and the contract awarded in a lump sum to the lowest bidder on each contract.
Blank forms may be obtained and the plans and drawings may be seen at the office of the Superintendent at Estimating Room, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan; also at Branch Office, No. 69 Broadway, Flushing, Borough of Queens, and Savings Bank Building, Stapleton, Borough of Richmond, for work for their respective boroughs.

C. B. J. SNYDER,
Superintendent of School Buildings.
Dated August 30, 1905. 226,811
See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until 3 o'clock p. m. on

TUESDAY, SEPTEMBER 5, 1905.

Borough of Brooklyn.

No. 1. FOR THE GENERAL CONSTRUCTION, ETC., OF TEMPORARY ADDITIONS TO PUBLIC SCHOOL 54, ON THE EAST SIDE OF WALWORTH STREET, 112 FEET SOUTH OF MYRTLE AVENUE, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be 90 working days, as provided in the contract.

The amount of security required is Fourteen Thousand Dollars.

On Contract No. 1 the bids will be compared and the contract awarded in a lump sum to the lowest bidder.

Blank forms may be obtained and the plans and drawings may be seen at the office of the Superintendent at Estimating Room, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan; also at Branch Office, No. 131 Livingston street, Borough of Brooklyn.

C. B. J. SNYDER,
Superintendent of School Buildings.

Dated August 23, 1905.

a23,85

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, SOUTHWEST CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the above office of the Department of Education until 12 o'clock noon on

THURSDAY, AUGUST 31, 1905.

FOR FURNISHING AND DELIVERING TEXT-BOOKS, MAPS, GLOBES, CHARTS, PICTURES, ETC., FOR THE DAY AND EVENING ELEMENTARY SCHOOLS AND DAY AND EVENING HIGH SCHOOLS OF THE CITY OF NEW YORK.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1906, and such further time as may be allowed by the contract.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. Awards will be made to the lowest bidder on each item.

Delivery will be required to be made to the places designated at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Board of Education, the Borough of Manhattan, southwest corner Park avenue and Fifty-ninth street.

PATRICK JONES,

Superintendent of School Supplies.

Dated August 21, 1905.

a19,31

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until three o'clock p. m., on

MONDAY, AUGUST 28, 1905.

Borough of Brooklyn.

No. 1. FOR THE GENERAL CONSTRUCTION OF A FIVE-CLASSROOM ADDITION, ETC., TO PUBLIC SCHOOL 41 (ANNEX NO. 2), CORNER OF ATLANTIC AND NEW YORK AVENUES, BOROUGH OF BROOKLYN.

The time allowed to complete the entire work will be 90 working days, as provided in the contract.

The amount of security required is Fifteen Thousand Dollars.

No. 2. FOR INSTALLING HEATING AND VENTILATING APPARATUS IN ADDITION TO AND ALTERATIONS IN PUBLIC SCHOOL 89, ON THE NORTH SIDE OF NEWKIRK AVENUE, BETWEEN EAST THIRTY-FIRST AND THIRTY-SECOND STREETS, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be 90 working days, as provided in the contract.

The amount of security required is Seven Thousand Dollars.

No. 3. FOR THE SANITARY WORK AND GAS FITTING OF NEW PUBLIC SCHOOL 149, ON THE SOUTH SIDE OF SUTTER AVENUE, BETWEEN WYONA AND VERMONT STREETS, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be 150 working days, as provided in the contract.

The amount of security required is Twelve Thousand Dollars.

On Contracts Nos. 1, 2 and 3 the bids will be compared and the contract awarded in a lump sum to the lowest bidder on each contract.

Blank forms may be obtained and the plans and drawings may be seen at the office of the Superintendent at Estimating Room, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan; also at branch office, No. 131 Livingston street, Borough of Brooklyn.

C. B. J. SNYDER,
Superintendent of School Buildings.

Dated August 16, 1905.

a16,28

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF STREET CLEANING.

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1421, NOS. 13-21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m.

MONDAY, NOVEMBER 6, 1905.

Borough of Manhattan.

CONTRACT FOR THE FINAL DISPOSITION OF GARBAGE.

The period for the performance of this contract will be for five (5) years, beginning the 1st day of August, 1906.

The amount of security required is One Hundred Thousand Dollars (\$100,000).

A special deposit of \$40,000 in money will be required to be made with the Comptroller of the City of New York, at or before the signing of the contract; \$30,000 of this amount, or the unexpended portion thereof, to be returned to the contractor at the end of one year, and \$10,000 of the said amount to remain on deposit with the Comptroller until the completion of the contract, or other termination thereof.

Each bid must be accompanied by a certified check on a solvent banking corporation in The City of New York, payable to the order of the Comptroller for five per centum of the amount for which the work bid for is proposed in any one year to be performed. Such check should be included in the sealed envelope containing the bid or proposal.

The compensation to be paid to the contractor must be stated at a price per annum for each of the five years of the period of contract, and these prices must be written out in full, and must be given also in figures.

From the bids or proposals so received the Commissioner of Street Cleaning may select the bid or bids, the acceptance of which will, in his judgment, best secure the efficient performance of the work, or he may reject any or all of said bids.

The award of the contract on the bid so selected will be conditional on its approval by the Board of Estimate and Apportionment, pursuant to section 544 of the Greater New York Charter.

Bidders upon this contract will receive every assistance in obtaining information from the data in possession of the Department in regard to the quantity and quality of material, together with every opportunity to inspect the collections and dumping boards of the Department.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13-21 Park row.

JOHN Mc G. WOODBURY,
Commissioner of Street Cleaning.

Dated August 25, 1905.

a26,n6

See General Instructions to Bidders on the last page, last column, of the "City Record," except as to special requirements contained in this advertisement.

ASHES, ETC., FOR FILLING IN LANDS.

PERSONS HAVING LANDS OR PLACES in the vicinity of New York Bay to fill in can procure material for that purpose—ashes, street sweepings, etc., 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.

JOHN Mc GAW WOODBURY,
Commissioner of Street Cleaning.

BOROUGH OF THE BRONX.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF THE BRONX, MUNICIPAL BUILDING, CROTONA PARK, ONE HUNDRED AND SEVENTY-SEVENTH STREET AND THIRD AVENUE.

I HEREBY GIVE NOTICE THAT A PETITION has been presented to me and is on file in my office for inspection, for:

No. 536. Acquiring title to the lands necessary for Castle Hill avenue, between the West Farms road and the East river.

The petition for the above will be submitted by me to the Local Board having jurisdiction thereof, on September 7, 1905, at 4 p. m., at the office of the President of the Borough of The Bronx, Municipal Building, Crotona Park, One Hundred and Seventy-seventh street and Third Avenue.

Dated August 25, 1905.

LOUIS F. HAFEN,
President of the Borough of The Bronx.

a26,28,51,7

BOROUGH OF THE BRONX, OFFICE OF THE PRESIDENT OF THE BOROUGH, MUNICIPAL BUILDING, CROTONA PARK, ONE HUNDRED AND SEVENTY-SEVENTH STREET AND THIRD AVENUE.

I HEREBY GIVE NOTICE THAT PETITIONS have been presented to me, and are on file in my office for inspection, for:

No. 533. Paving, asphalt blocks, Morris avenue, from One Hundred and Sixty-fifth street to One Hundred and Sixty-sixth street, and setting curb where necessary.

No. 516. Acquiring title to the lands necessary for West One Hundred and Eighty-ninth street, extending from Exterior street to the bulkhead line of the Harlem river.

No. 517. Acquiring title to the lands necessary for opening Exterior street, from Fordham road to West One Hundred and Ninety-second street.

No. 518. Constructing a sewer and appurtenances in East One Hundred and Seventy-second street, between Third avenue and Fulton avenue.

No. 519. For altering and amending the final maps of the Borough of The Bronx by laying out thereon a public place bounded by Creston avenue, Fordham road and One Hundred and Eighty-ninth street.

No. 520. Paving with block or sheet asphalt the roadway of Lafontaine avenue, from Tremont avenue to Quarry road.

No. 521. Acquiring title to the lands necessary for West One Hundred and Sixty-fifth street, between Anderson avenue and Jerome avenue.

No. 522. Regulating and grading, setting curbstones and flagging sidewalks a space four feet wide, laying crosswalks, building approaches and erecting fences where necessary in West One Hundred and Sixty-fifth street, between Woodycrest avenue and Jerome avenue, and building steps, drains, etc., where required.

No. 523. Constructing a sewer and appurtenances in West Two Hundred and Twenty-ninth street, between Bailey avenue and Heath avenue, and in Heath avenue, between Kingsbridge road and Boston avenue.

No. 524. Constructing sewers and appurtenances in Whitlock avenue, between Longwood avenue and Hunt's Point road, and in Tiffany street, between Southern Boulevard and Whitlock avenue, and in Barretto street, between Southern Boulevard and Whitlock avenue.

No. 525. Laying out on the map of The City of New York a change of map by which Spencer place, between East One Hundred and Fiftieth street and the New York Central and Hudson River Railroad, shall be discontinued and removed from the map of The City of New York.

No. 526. Laying out on the map of The City of New York a widening of Bergen avenue at the junction of Willis avenue and One Hundred and Forty-seventh street, in order to relieve the congested condition at that intersection.

No. 527. Constructing a sewer and appurtenances in East One Hundred and Eighty-third street, between Morris and Creston avenues.

No. 528. Regulating and grading, setting curbstones, flagging sidewalks a space four feet wide, laying crosswalks, building approaches and erecting fences, where necessary, in Monterey avenue, between East One Hundred and Seventy-seventh street and East One Hundred and Seventy-ninth street.

No. 529. Regulating and grading, setting curbstones, flagging sidewalks a space four feet wide, laying crosswalks, building approaches and erecting fences, where necessary, in Whitlock avenue, from Longwood avenue to Hunt's Point road.

No. 530. Constructing receiving basin and appurtenances at the northwest corner of East One Hundred and Sixty-fourth street and Grant avenue.

No. 531. Acquiring title to the lands necessary for West One Hundred and Ninetieth street, extending from Exterior street to the bulkhead line of the Harlem river.

No. 532. Acquiring title to the lands necessary for West One Hundred and Ninety-first street, extending from Exterior street to the bulkhead line of the Harlem river.

The petitions for the above will be submitted by me to the Local Board having jurisdiction thereof, on September 7, 1905, at 3 p. m., at the office of the President of the Borough of The Bronx, Municipal Building, Crotona Park, One Hundred and Seventy-seventh street and Third Avenue.

Dated August 24, 1905.

LOUIS F. HAFEN,
President of the Borough of The Bronx.

a25,26,51,7

BOROUGH OF THE BRONX, OFFICE OF THE PRESIDENT OF THE BOROUGH, MUNICIPAL BUILDING, CROTONA PARK, ONE HUNDRED AND SEVENTY-SEVENTH STREET AND THIRD AVENUE.

I HEREBY GIVE NOTICE THAT A PETITION has been presented to me, and is on file in my office for inspection, for:

No. 534. Laying out on the Map of The City of New York, East One Hundred and Seventy-fourth street, sixty (60) feet wide, from the Southern Boulevard, in district of Morrisania, to the first avenue east of the New York, New Haven and Hartford Railroad, in the district of Chester, said widening to be on the southerly side.

The petition for the above will be submitted by me to the Local Boards of Morrisania and Chester, Twenty-fourth and Twenty-fifth Districts, at a joint meeting to be held on September 7, 1905, at 3:45 p. m., at the office of the President of the Borough of The Bronx, Municipal Building, Crotona Park, One Hundred and Seventy-seventh street and Third Avenue.

Dated August 24, 1905.

LOUIS F. HAFEN,
President of the Borough of The Bronx.

a25,26,51,7

BOROUGH OF THE BRONX, OFFICE OF THE PRESIDENT OF THE BOROUGH, MUNICIPAL BUILDING, CROTONA PARK, ONE HUNDRED AND SEVENTY-SEVENTH STREET AND THIRD AVENUE.

I HEREBY GIVE NOTICE THAT A PETITION has been presented to me, and is on file in my office for inspection, for:

No. 535. Regulating and grading, setting curbstones, flagging sidewalks a space four feet wide, laying crosswalks, building approaches and erecting fences where necessary in East Two Hundred and Twenty-second street, between Carpenter avenue (Second street) and Laconia avenue (Seventh avenue).

The petition for the above will be submitted by me to the Local Board having jurisdiction thereof, on September 7, 1905, at 4 p. m., at the office of the President of the Borough of The Bronx, Municipal Building, Crotona Park, One Hundred and Seventy-seventh street and Third Avenue.

Dated August 24, 1905.

LOUIS F. HAFEN,
President of the Borough of The Bronx.

a25,26,51,7

NOTICE IS HEREBY GIVEN THAT THE President of the Borough of The Bronx, in pursuance of chapter 576, Laws of 1895, and chapter 831, Laws of 1896, will, on the 7th day of September, 1905, at 4 o'clock p. m., at his office, corner of Third avenue and One Hundred and Seventy-seventh street, consider and determine upon such proof as may be adduced before him whether the following streets and avenues in the Twenty-fourth Ward, the title to which has not as yet been acquired by the Mayor, Aldermen and Commonality of The City of New York, and which lie within the lines of streets shown on the map adopted by the Board of Estimate and Apportionment May 29, 1903, are now and have been used for public traffic and travel since January 1, 1874:

No. 1. Avenue A (Zerega avenue), from Sixth street to Tenth street.

No. 2. Avenue B (Havemeyer avenue), from Westchester avenue to First street.

No. 3. Avenue C (Castle Hill avenue), from Westchester avenue to a point 150 feet, more or less, south of Second street.

No. 4. First street (Turnbull avenue), from a point about 275 feet west of centre line of Avenue A to a point about 350 feet west of centre line of Avenue B.

No. 5. Second street (Herman avenue), from a point 275 feet, more or less, west of centre line of Avenue A to Avenue D.

No. 6. Third street (Story avenue), from a point 360 feet west of centre line of Avenue A to a point 410 feet east of centre line of Avenue E.

No. 7. Fourth street (Quimby avenue), from a point 340 feet west of centre line of Avenue A to a point 450 feet east of centre line of Avenue E.

No. 8. Fifth street (Houghton avenue), from a point 285 feet west of centre line of Avenue A to a point 450 feet east of centre line of Avenue E.

No. 9. Sixth street (Ludlow avenue), from east line of Avenue A to a point 400 feet east of Avenue E.

No. 10. Seventh street (Chatterton avenue), from east line of Avenue A to a point 260 feet east of centre line of Avenue E.

No. 11. Eighth street (Black Rock avenue), from centre line of Avenue A to a point 430 feet west of centre line of Avenue A, and from Avenue B to a point 230 feet east of centre line of Avenue E.

No. 12. Ninth street (Watson avenue), from centre line of Avenue A to a point 430 feet west of centre line of Avenue A, and from Avenue B to centre line of Avenue E.

No. 13. Tenth street (Haviland avenue), from centre line of Avenue A to centre line of Avenue E.

No. 14. Eleventh street (Powell avenue), from a point 50 feet west of centre line of Avenue A to centre line of Avenue E.

No. 15. Twelfth street (Gleason avenue), from a point 150 feet west of centre line of Avenue A to a point 350 feet west of centre line of Avenue E.

No. 16. Thirteenth street (Ellis avenue), from a point 150 feet west of centre line of Avenue A to a point 500 feet west of centre line of Avenue E.

No. 17. Fourteenth street (Newbold avenue), from a point 150 feet west of centre line of Avenue A to centre line of Avenue B, and from a point 210 feet east of centre line of Avenue C to Avenue E, west side.

No. 18. Avenue E, from Pugsley avenue to Tenth street.

No. 19. Avenue D, from Oldstead avenue to Second street.

No. 20. Fifteenth street (Waterbury avenue), from a point 230 feet west of the centre line of Avenue A to the centre line of Avenue B.

No. 21. Clason Point road, from West Farms road to McGraw avenue.

LOUIS F. HAFEN,
President of the Borough of The Bronx.
Dated New York, August 24, 1905.

a25,56

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1536, NOS. 13-21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

WEDNESDAY, SEPTEMBER 6, 1905.

Boroughs of Manhattan and The Bronx.

No. 1. FOR FURNISHING, DELIVERING AND LAYING WATER-MAINS IN ANN, BECKMAN, BRIDGE, CEDAR, CLIFF, CORTLANDT, DEY, FERRY, FRONT, GOLD, JOHN, LIBERTY, MORRIS, PINE, PLATT, RECTOR, SPRUCE, STONE, WATER, THIRTY-EIGHTH AND ONE HUNDRED AND FIFTIETH STREETS.

The time allowed to complete the whole work will be two hundred working days.

The amount of security will be Forty Thousand Dollars.

No. 2. FOR FURNISHING, DELIVERING AND LAYING WATER-MAINS IN MORNING-SIDE AVENUE, WEST IN AVENUE A, IN AMSTERDAM AND NINTH AVENUES, AND IN EMERSON, FOURTEENTH, EIGHTY-SIXTH, ONE HUNDRED AND FIFTH, ONE HUNDRED AND SIXTH, ONE HUNDRED AND THIRTY-SECOND, ONE HUNDRED AND THIRTY-FIFTH, ONE HUNDRED AND FORTY-THIRD, ONE HUNDRED AND FORTY-FOURTH, ONE HUNDRED AND FORTY-FIFTH, ONE HUNDRED AND FORTY-SIXTH, ONE HUNDRED AND FIFTIETH, ONE HUNDRED AND FIFTY-THIRD, ONE HUNDRED AND FIFTY-SIXTH AND TWO HUNDRED AND SECOND STREETS.

The time allowed to complete the whole work will be two hundred working days.

The amount of security will be Thirty Thousand Dollars.

Borough of Brooklyn.

No. 3. FOR FURNISHING AND ERECTING TWO (2) NEW BRICK CHIMNEYS AT THE NEW RIDGEWOOD PUMPING STATION.

The time allowed for doing and completing the work will be one hundred and twenty (120) working days.

The security required will be Five Thousand Dollars (\$5,000).

No. 4. FOR FURNISHING, DELIVERING AND ERECTING THE NECESSARY STEAM FITTING, TOGETHER WITH ALL AUXILIARIES, COMPLETE, AT THE NEW GRAVESSEND PUMPING STATION.

The time allowed for completing the work will be seventy-five (75) working days.

The security required will be Two Thousand Dollars (\$2,000).

No. 5. FOR FURNISHING, DELIVERING, ERECTING AND CONNECTING TWO (2) PUMPING ENGINES, INCLUDING FOUNDATIONS, AUXILIARIES AND PIPING, AT THE NEW NEW LOTS PUMPING STATION.

The time allowed for doing and completing the work will be two hundred (200) working days.

The security required will be Thirty Thousand Dollars (\$30,000).

No. 6. FOR FURNISHING, DELIVERING AND LAYING WATER-MAINS AND REMOVING EXISTING WATER-MAINS IN WYTHE AND FRANKLIN AVENUES AND IN GRAHAM, HEWES, CLYMER, MORTON, RUSH, SOUTH ELEVENTH, SOUTH NINTH, SOUTH FIFTH, SOUTH FOURTH, NORTH THIRD, NORTH FOURTH, NORTH FIFTH, NORTH SIXTH, NORTH TENTH AND NORTH ELEVENTH STREETS, BOROUGH OF BROOKLYN.

The time allowed for doing and completing the work will be one hundred and twenty-five (125) working days.

The security required will be Thirty Thousand Dollars (\$30,000).

No. 7. FOR HAULING AND LAYING WATER-MAINS AND APPURTENANCES IN THE BOROUGH OF BROOKLYN.

The time allowed for doing and completing the above work will be until January 1, 1906.

The amount of security required will be Fifteen Thousand Dollars (\$15,000).

The bidder will state the price of each item or article contained in the specifications herein contained or hereto annexed, per pound, ton, linear foot, cubic yard, or other unit of measure, by which the bids will be tested.

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

Bidders are requested to make their bids or estimates upon the blank forms prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Commissioner, Room 1521, No. 21 Park row, or, for the contracts for the Borough of Brooklyn, at the office of the Department for the Borough of Brooklyn, Room 25, Municipal Building, Borough of Brooklyn, where any further information can be obtained.

JOHN T. OAKLEY,

Commissioner of Water Supply, Gas and Electricity.

THE CITY OF NEW YORK, August 23, 1905.

a24,56

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, COMMISSIONER'S OFFICE, NOS. 13 TO 21 PARK ROW, CITY OF NEW YORK.

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Scrap cast iron, 50 tons, of 2,000 pounds, more or less.
The above material is stored at the Western District Repair Yard, and will be sold on the spot.

B.
Scrap cast iron, 25 tons of 2,000 pounds, more or less.
This material may be inspected at the East New York Repair Yard, No. 136 Jamaica avenue, Borough of Brooklyn, but will be sold at the Western District Repair Yard.

C.
Scrap cast iron, 10 tons of 2,000 pounds, more or less.
Second-hand brick, 7,000 more or less.
The above material may be inspected at the Pipe Yard, corner of Butler and Nevins streets, but will be sold from the Western District Repair Yard.

TERMS OF SALE.

The upset prices at which these materials will be sold is as follows:
Scrap brass and brass borings, 10 cents per pound.

Scrap cast iron, \$7.50 per ton.
Second-hand brick, \$3 per thousand.
No bid below these prices will be considered or accepted.

Successful bidders must make cash payment in bankable funds at the time and place of sale.
Bids will be received for one or more of the separate descriptions of these materials, but no bid will be considered or accepted for less than the entire quantity in each case.

The purchaser or purchasers must remove all the materials from the place of sale within thirty (30) days after the sale, otherwise he or they will forfeit the money paid at the time of sale and the ownership to the material, which will thereafter be resold for the benefit of the City. The purchaser or purchasers must remove the material as directed by the officer of the Department in charge at the place of sale, and will not be allowed to select material for removal at will.

JOHN T. OAKLEY,
Commissioner of Water Supply, Gas and Electricity.

a23,86

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, COMMISSIONER'S OFFICE, NOS. 13 TO 21 PARK ROW, CITY OF NEW YORK.

NOTICE OF SALE AT AUCTION.

ON WEDNESDAY, SEPTEMBER 6, 1905, at 11 o'clock a. m., the Department of Water Supply, Gas and Electricity will sell at public auction to the highest bidder, by William H. Smith, auctioneer, at the Eastern District Repair Yard, No. 337 Berry street, Borough of Brooklyn, City of New York, four (4) horses. The above horses are at the Eastern District Repair Yard, and may be inspected there.

TERMS OF SALE.

The upset price at which these horses will be sold is \$35 each. No bid below this price will be considered or accepted. Successful bidders must make cash payment in bankable funds at the time and place of sale.

The purchaser or purchasers must remove the horses from the place of sale within twenty-four hours after the sale, otherwise he or they will forfeit the money paid at the time of sale and the ownership to the horses, which will thereafter be resold for the benefit of the City.

JOHN T. OAKLEY,
Commissioner of Water Supply, Gas and Electricity.

a23,86

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1536, NOS. 13-21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

WEDNESDAY, AUGUST 30, 1905,

Boroughs of Manhattan and The Bronx
FOR FURNISHING AND DELIVERING 440 MERCURY DOUBLE SLOAT GAS REGULATORS.

The time for the delivery of the supplies and the performance of the contract is by or before December 31, 1905, for four hundred and forty (440) mercury double sloat gas regulators.

The amount of the security shall be fifty per centum of the amount of the bid or estimate.
All goods must be delivered as directed in the specifications. The weight, measure, etc., must conform to the specifications.

Delivery will be required to be made, free of cartage, at such times, in such quantities, and at such places, as may be directed by the Commissioner, or by such person or persons as he may designate.

The Commissioner reserves the right to reject all of the bids or estimates if he deem it to be for the interest of the City so to do. Award of contract will be to the lowest bidder in each class.
The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per regulator of capacity given in specifications, by which the bids will be tested and contracts awarded. Bidders may bid on one or all of the items called for in the specification or schedule attached.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor, and any further information can be obtained at the office of the Bureau of Lamps and Gas, Room No. 1319, Nos. 13 to 21 Park row, Borough of Manhattan.

JOHN T. OAKLEY,

Commissioner of Water Supply, Gas and Electricity.

THE CITY OF NEW YORK, August 18, 1905.

a18,30

See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF ASSESSORS.

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

BOROUGH OF BROOKLYN.

List 8511, No. 1. Flagging the sidewalks on south side of Sterling place, between Vanderbilt avenue and Butler place; west side of Butler place, between Sterling place and Plaza; south side of Seventeenth street, between Tenth and Eleventh avenues; east side of Prospect Park, West, between Seventeenth and Eighteenth streets.

List 8512, No. 2. Laying cement sidewalks on the east side and west side of Watkins street, between Newport street and Blake avenue; south side and north side of Seventy-third street, between First and Narrows avenues; south side of Seventy-third street, between First and Second avenues; south and north sides of Seventy-third street, between Second and Third avenues.

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. North side of Butler place, from Plaza to Sterling place, on Block 1170, Lots Nos. 1, 27, 28, 29, 34, 37 and 38; south side of Seventeenth street, between Tenth and Eleventh avenues, on Block 878, Lots Nos. 9, 14, 19, 28, 30 and 34; east side of Prospect Park, West, between Seventeenth and Eighteenth streets, on Block 877, Lots Nos. 5, 6, 7 and 8.

No. 2. East side of Watkins street, between Newport street and Riverdale avenue; west side of Watkins street, between Newport street and Riverdale avenue, on Block 3605, Lots Nos. 21, 24, 25, 26, 27, 28, 30, 31, 33, 34 and 36; east side of Watkins street, between Riverdale avenue and Livonia avenue, on Block 3593, Lots Nos. 1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17 and 19; west side of Watkins street, between Riverdale avenue and Livonia avenue, on Block 3592, Lots Nos. 24 and 42; east side of Watkins street, between Livonia avenue and Dumont avenue, on Block 3579, Lots Nos. 1, 2, 3, 8, 13, 14, 15 and 43; west side of Watkins street, between Livonia avenue and Dumont avenue, on Block 3578, Lots Nos. 21, 23, 25, 26, 27, 27½, 28, 29 and 30; east side of Watkins street, between Dumont and Blake avenues, on Block 3564, Lots Nos. 2, 3, 5, 6, 7, 10, 11, 12 and 13; west side of Watkins street, between Dumont avenue and Blake avenue, on Block 3563, Lots Nos. 27, 30, 31, 32 and 35; south side of Seventy-third street, between Narrows avenue and First avenue, on Block 5915, Lots Nos. 6, 32, 34, 38 and 40; north side of Seventy-third street, between Narrows avenue and First avenue, on Block 5905, Lots Nos. 1, 45, 49, 53, 57, 60, 61, 62 and 64; south side of Seventy-third street, between First and Second avenues; south side of Seventy-third street, between Second and Third avenues, on Block 5917, Lots Nos. 1, 16, 29 and 36; north side of Seventy-third street, between Second and Third avenues, on Block 5907, Lots Nos. 46, 52, 55, 71, 72 and 75.

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 September 26, 1905, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

ROBERT MUH,
ANTONIO ZUCCA,
CHARLES A. O'MALLEY,
Board of Assessors.

WILLIAM H. JASPER,
Secretary,
No. 320 Broadway,
CITY OF NEW YORK, BOROUGH OF MANHATTAN,
August 24, 1905.

a24,85

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 MANHATTAN.

List 8488, No. 1. Flagging sidewalk on the north side of Seventy-fifth street, from 348 feet easterly from Avenue A for a distance of 137 feet easterly therefrom.

List 8525, No. 2. Fencing vacant lots on the north side of East One Hundred and Ninth street, beginning 125 feet west of Madison avenue, and running 75 feet.

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. North side of Seventy-fifth street, extending about 125 feet easterly from a point 348 feet east of Avenue A, on Block 1487, Lot No. 15.

No. 2. North side of One Hundred and Ninth street, extending about 75 feet westerly from a point 125 feet west of Madison avenue, on Block 1615, Lots Nos. 10, 11 and 12.

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 September 19, 1905, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

ROBERT MUH,
ANTONIO ZUCCA,
CHARLES A. O'MALLEY,
Board of Assessors.

WILLIAM H. JASPER,
Secretary,
No. 320 Broadway,
CITY OF NEW YORK, BOROUGH OF MANHATTAN,
August 17, 1905.

a17,28

OFFICIAL PAPERS.

Morning—"The Sun," "The Morning Telegraph."

Evening—"The Globe and Commercial Advertiser," "The Daily News."

Weekly—"The Sunday Democrat," "The New York Realty Journal."

German—"The New Yorker Herald."

Designated by the Board of City Record, February 7, 1905.

DEPARTMENT OF HEALTH.

DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK, SOUTHWEST CORNER FIFTY-FIFTH STREET AND SIXTH AVENUE, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health until 10 o'clock a. m., on

WEDNESDAY, SEPTEMBER 6, 1905.

FOR FURNISHING ALL THE LABOR AND FURNISHING, DELIVERING AND DISTRIBUTING ALL THE MATERIALS NECESSARY OR REQUIRED TO DITCH, DRAIN, FILL, OR OTHERWISE IMPROVE CERTAIN AREAS IN THE SALT MARSH LANDS LOCATED WITHIN THE BOROUGH OF RICHMOND, CITY OF NEW YORK, WITH A VIEW TO THEIR DESTRUCTION AS BREEDING PLACES FOR MOSQUITOES.

The time for the completion of the work and the full performance of the contract is 90 consecutive working days.

The amount of security required is fifty per cent. (50%) of the amount of the bid.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Chief Clerk of the Department of Health, southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan.

THOMAS DARLINGTON, M. D.,
President;
ALVAH H. DOTY, M. D.,
WILLIAM McADOO,
Board of Health.

Dated August 24, 1905.

a24,87

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK, SOUTHWEST CORNER FIFTY-FIFTH STREET AND SIXTH AVENUE, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health until 10 o'clock a. m., on

TUESDAY, AUGUST 29, 1905.

FOR FURNISHING AND DELIVERING AN AUTOMOBILE TOURING CAR TO THE DEPARTMENT OF HEALTH, CITY OF NEW YORK.

The time for the completion of the work and the full performance of the contract is one hundred consecutive working days.

The amount of security required is fifty per cent. (50%) of the amount of the bid.

No bid will be received or considered from any person, firm or corporation not regularly engaged in the business of building automobiles.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained at the office of the Chief Clerk of the Department of Health, southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan.

THOMAS DARLINGTON, M. D.,
President;
ALVAH H. DOTY, M. D.,
WILLIAM McADOO,
Board of Health.

Dated August 15, 1905.

a15,29

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PARKS.

AUCTION SALE.

THE DEPARTMENT OF PARKS, BOROUGH OF BROOKLYN AND QUEENS, will sell at public auction at the workshops in Prospect Park, Ninth avenue and Seventh street, in the Borough of Brooklyn, on Thursday, September 7, 1905, at 10.30 a. m., the following-named property:

100 lambs.
30 sheep.
1 black horse, known as "Frank."
1 bay horse, known as "Billy."
2 buggies.
6 tons of scrap iron.

TERMS OF SALE.

Lambs and sheep are to be sold by choice in lots of one to six.

Cash payment in bankable funds at the time and place of sale, and the articles purchased to be removed immediately after the sale. Should any article purchased be not removed within 24 hours, the City reserves the right to again sell the same, the money received to become the property of the City, the purchaser on the first sale forfeiting all right thereto.

M. J. KENNEDY,
Commissioner of Parks, Boroughs of Brooklyn and Queens.

Dated August 23, 1905.

a24,87

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, SEPTEMBER 7, 1905.

Borough of The Bronx.

FOR FURNISHING AND DELIVERING VITRIFIED STONEWARE DRAINPIPE FOR PARKS, BOROUGH OF THE BRONX.

The time for delivery of the articles, materials and supplies and the performance of the contract is thirty days.

The amount of security shall be Five Hundred Dollars.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, Borough of The Bronx.

JOHN J. PALLAS,
President;
HENRY C. SCHRADER,
MICHAEL J. KENNEDY,
Commissioner of Parks.

Dated August 23, 1905.

a24,87

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m., on

THURSDAY, SEPTEMBER 7, 1905.

Borough of The Bronx.

FOR FURNISHING ALL THE LABOR AND MATERIALS FOR THE ERECTION AND COMPLETION OF A TOILET HOUSE IN SOUTHERN PART OF CROTONA PARK, IN THE CITY OF NEW YORK.

The time allowed for doing and completing the work will be one hundred (100) days.

The security required will be Two Thousand Five Hundred Dollars (\$2,500).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, Borough of The Bronx.

JOHN J. PALLAS,
President;
HENRY C. SCHRADER,
MICHAEL J. KENNEDY,
Commissioners of Parks.

Dated August 23, 1905.

a24,87

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m., on

THURSDAY, SEPTEMBER 7, 1905.

Borough of Brooklyn.

No. 1. FOR FURNISHING AND DELIVERING THREE BUGGIES AND ONE FOUR-PASSENGER STANDING TOP WAGON.

The time for delivery will be ten (10) days.
The amount of security required is Seven Hundred Dollars (\$700).

No. 2. FOR FURNISHING AND DELIVERING 4,500 CUBIC YARDS TOP SOIL TO FULTON AND HIGHLAND PARKS, BROOKLYN.

The time for delivery will be fifteen (15) days.
The amount of security required is Two Thousand Dollars (\$2,000).

No. 3. FOR FURNISHING AND DELIVERING 2,000 CUBIC YARDS FINE GRAVEL TO OCEAN PARKWAY, BROOKLYN.

The time for delivery will be fifteen (15) days.
The amount of security required is Two Thousand Dollars (\$2,000).

Boroughs of Brooklyn and Queens.

No. 4. FOR FURNISHING AND DELIVERING 250 BARRELS PORTLAND CEMENT, 500 CUBIC YARDS BUILDING SAND AND 20,000 PAVING BRICK, TO FOREST AND PROSPECT PARKS.

The time for delivery will be fifteen (15) days.
The amount of security required is One Thousand Dollars (\$1,000).

The contracts must be bid for separately.
The bids will be compared and the contracts awarded at a lump or aggregate sum for each contract.

Blank forms may be obtained at the office of the Department of Parks, Litchfield Mansion, Prospect Park, Brooklyn.

JOHN J. PALLAS,
President;
HENRY C. SCHRADER,
MICHAEL J. KENNEDY,
Commissioners of Parks.

Dated August 16, 1905.

a23,87

See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF ESTIMATE AND APPORTIONMENT.

PUBLIC NOTICE.

WHEREAS, THE COMMISSIONER OF Water Supply, Gas and Electricity of The City of New York, acting for and in behalf and in the name of The City of New York, in pursuance of the provisions of chapter 466 of the Laws of 1901, as amended, has selected and determined certain real estate (as the term "real estate" is defined in the said act), in the County of Nassau, as and for sources of public water supply in and for The City of New York, and deems it necessary to take and acquire the same and all the rights, titles and interests therein, and to extinguish all claims for damages on account of such rights, titles and interests, or growing out of such taking, for the purpose of maintaining, preserving and increasing the supply of pure and wholesome water for The City of New York, of providing additional water works to supply The City of New York with water, of protecting the supply from pollution, of enabling the Department of Water Supply, Gas and Electricity to raise the level of the water in East Meadow pond, and of preventing any legal difficulties arising from the construction of the Wantagh gallery and the possible lowering of streams and ponds thereby; and

Whereas, The said Commissioner of Water Supply, Gas and Electricity has heretofore prepared and submitted to the Board of Estimate and Apportionment, under date of June 7, 1905, for approval and adoption, two white prints showing lands necessary to be acquired on Pines and East Meadow streams and at Wantagh, Long Island, all in the County of Nassau, which is the said real estate so to be taken and acquired, as aforesaid, as provided by the said act above mentioned; therefore be it

Resolved, That a public notice be given of a hearing, to be held by the Board of Estimate and Apportionment of The City of New York, in the Old Council Chamber, Room 16, City Hall, Borough of Manhattan, City of New York, on the 22d day of September, 1905, at 10.30 o'clock in the forenoon, at which a full opportunity shall be afforded to any and all persons interested, to be heard respecting such maps and the taking and acquisition of the real estate as shown thereon.

Resolved, That such public notice be published once in each week for three successive weeks, in the City Record, in the corporation newspapers, in two newspapers published in Nassau County, in which County the real estate to be taken and acquired is situated, and in two daily papers published in The City of New York. I hereby certify that the foregoing is a true copy of a resolution adopted by the Board of Estimate and Apportionment at the meeting of said Board held on the 23d day of June, 1905.

JOHN H. MOONEY,

Assistant Secretary.

No. 277 Broadway, Room 805.

Telephone 3454 Franklin.

a24,31,87

FIRE DEPARTMENT.

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on

TUESDAY, SEPTEMBER 5, 1905.

Boroughs of Manhattan and The Bronx.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REPAIRS TO QUARTERS OF ENGINE COMPANY NO. 68, LOCATED AT NO. 1116 OGDEN AVENUE, BOROUGH OF THE BRONX.

The time for the completion of the work and the full performance of the contract is forty-five (45) days.

The amount of security is Nine Hundred Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Fire Department, Nos.

157 and 159 East Sixty-seventh street, Manhattan.

THOS. W. CHURCHILL,

Deputy and Acting Fire Commissioner.

Dated August 22, 1905. a23,85

See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on

TUESDAY, SEPTEMBER 5, 1905.

Boroughs of Manhattan and The Bronx.

No. 1. FOR FURNISHING AND DELIVERING TWO EIGHTY-FIVE-FOOT AERIAL HOOK AND LADDER TRUCKS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is one hundred and twenty (120) days. The amount of security required is Forty-two Hundred Dollars (\$4,200).

No. 2. FOR FURNISHING AND DELIVERING TEN FIRST SIZE HOSE WAGONS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is one hundred and thirty (130) days. The amount of security required is Three Thousand Dollars (\$3,000).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the totals.

The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Delivery will be required to be made at the time and in the manner specified.

Blank forms and further information may be obtained at the office of the Fire Department, Nos. 157 and 159 East Sixty-seventh street, Manhattan.

THOS. W. CHURCHILL,

Deputy and Acting Fire Commissioner.

Dated August 22, 1905. a23,85

See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on

TUESDAY, SEPTEMBER 5, 1905.

Boroughs of Manhattan and The Bronx.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE ERECTION AND COMPLETION OF A BRASS FOUNDRY AND STORAGE YARD, TO BE LOCATED ON THE EASTERLY SIDE OF THE REPAIR SHED AT NORTH-EAST CORNER OF FIFTY-SIXTH STREET AND TWELFTH AVENUE, MANHATTAN.

The time for the completion of the work and the full performance of the contract is ninety (90) days.

The amount of security required is Ten Thousand Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Fire Department, Nos. 157 and 159 East Sixty-seventh street, Manhattan.

THOS. W. CHURCHILL,

Deputy and Acting Fire Commissioner.

Dated August 22, 1905. a23,85

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES.

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 2 o'clock p. m. on

FRIDAY, SEPTEMBER 1, 1905.

Borough of Manhattan.

CONTRACT NO. 937.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING ABOUT 3,000 CUBIC YARDS OF SAND AND ABOUT 7,500 CUBIC YARDS OF BROKEN STONE.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 180 calendar days.

The amount of security is:

For sand—Class I. \$2,250 00

For broken stone—Class II. 7,500 00

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total for each class and awards made to the lowest bidder on each class.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of said Department.

MAURICE FEATHERSON,

Commissioner of Docks.

Dated August 14, 1905. a21,81

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 2 o'clock p. m. on

FRIDAY, SEPTEMBER 1, 1905.

Borough of Manhattan.

CONTRACT NO. 938.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING, DELIVERING AND PUTTING IN PLACE ABOUT 15,000 CUBIC YARDS OF SMALL COBBLESTONE AND ABOUT 20,000 CUBIC YARDS OF RIP-RAP STONE.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 180 calendar days.

The amount of security required is:

For cobblestone, Class I., Seven Thousand Five Hundred Dollars.

For rip-rap stone, Class II., Ten Thousand Dollars.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total for each class and awards made to the lowest bidder on each class.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the said Department.

MAURICE FEATHERSON,

Commissioner of Docks.

Dated August 14, 1905. a21,81

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 2 o'clock p. m. on

FRIDAY, SEPTEMBER 1, 1905.

Boroughs of Manhattan, Brooklyn, Queens, The Bronx and Richmond.

CONTRACT NO. 935.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR DREDGING ABOUT 100,000 CUBIC YARDS ON THE EAST AND HARLEM RIVERS, ETC.

The time for the completion of the work and the full performance of the contract is on or before the expiration of March 31, 1906.

The amount of security required is Eleven Thousand Dollars.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Dredging will be required to be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the said Department.

MAURICE FEATHERSON,

Commissioner of Docks.

Dated August 9, 1905. a21,81

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," NORTH RIVER, NEW YORK, March 31, 1904.

THE COMMISSIONER HAS FIXED THE amounts of bonds required on contracts awarded by this Department, as follows:

On all contracts for supplies, 40 per cent. of the estimated cost;

On all contracts, other than contracts for supplies, where the estimated cost is not over \$200,000, 40 per cent. of the estimated cost;

On all contracts, other than contracts for supplies, where the estimated cost is over \$200,000, but not over \$1,000,000, 25 per cent. of the estimated cost;

On all contracts, other than contracts for supplies, where the estimated cost is over \$1,000,000, 30 per cent. of the estimated cost.

CHARLES J. COLLINS,

Secretary.

BOROUGH OF BROOKLYN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 15, MUNICIPAL BUILDING, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, SEPTEMBER 13, 1905.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER IN EIGHTY-EIGHTH STREET, FROM FIRST AVENUE TO NARROWS AVENUE.

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

762 linear feet 12-inch pipe sewer.

7 manholes.

4,800 feet B. M. foundation planking.

54 cubic yards concrete cradle.

The time allowed for the completion of the work and full performance of the contract is 30 working days.

The amount of security required is Fifteen Hundred Dollars.

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER IN INDIA STREET, FROM A POINT ABOUT 300 FEET EAST OF OAKLAND STREET TO PROVOST STREET.

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

300 linear feet 12-inch pipe sewer.

3 manholes.

1,900 feet B. M. foundation planking.

21 cubic yards concrete cradle.

The time allowed for the completion of the work and the full performance of the contract is 20 working days.

The amount of security required is Six Hundred Dollars.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, foot B. M., cubic yard or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Assistant Commissioner of Public Works, Room 15, Municipal Building, Borough of Brooklyn.

MARTIN W. LITTLETON,

President.

Dated August 15, 1905. a23,813

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 15, MUNICIPAL BUILDING, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, SEPTEMBER 13, 1905.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR

CONSTRUCTING SEWER IN SIXTY-FIFTH STREET, FROM FIFTH AVENUE TO EIGHTH AVENUE.

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

180 linear feet 15-inch pipe sewer.

4,378 linear feet 12-inch pipe sewer.

40 manholes.

2 sewer basins.

29,000 feet, B. M., foundation planking.

326 cubic yards concrete cradle.

90,000 feet, B. M., sheeting and bracing.

The time allowed for the completion of the work and full performance of the contract is 75 working days.

The amount of security required is Ten Thousand Dollars.

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER IN SEVENTY-FIRST STREET, FROM TENTH AVENUE TO ELEVENTH AVENUE.

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

45 linear feet 15-inch pipe sewer.

718 linear feet 12-inch pipe sewer.

8 manholes.

4,900 feet, B. M., foundation planking.

54 cubic yards concrete cradle.

The time allowed for the completion of the work and full performance of the contract is 30 working days.

The amount of security required is One Thousand Eight Hundred Dollars.

No. 3. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER IN SHERMAN STREET, FROM TENTH AVENUE TO ELEVENTH AVENUE.

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

45 linear feet 15-inch pipe sewer.

718 linear feet 12-inch pipe sewer.

8 manholes.

4,900 feet, B. M., foundation planking.

54 cubic yards concrete cradle.

The time allowed for the completion of the work and full performance of the contract is 30 working days.

The amount of security required is One Thousand Eight Hundred Dollars.

No. 4. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER IN THIRD AVENUE, FROM SEVENTY-SEVENTH STREET TO SEVENTY-NINTH STREET.

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

517 linear feet 12-inch pipe sewer.

6 manholes.

3,300 feet, B. M., foundation planking.

36 cubic yards concrete cradle.

20,000 feet, B. M., sheeting and bracing.

The time allowed for the completion of the work and full performance of the contract is 30 working days.

The amount of security required is One Thousand Five Hundred Dollars.

No. 5. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER IN THIRD AVENUE, FROM SEVENTY-SEVENTH STREET TO SEVENTY-NINTH STREET.

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

517 linear feet 12-inch pipe sewer.

6 manholes.

3,300 feet, B. M., foundation planking.

36 cubic yards concrete cradle.

20,000 feet, B. M., sheeting and bracing.

The time allowed for the completion of the work and full performance of the contract is 30 working days.

The amount of security required is One Thousand Five Hundred Dollars.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, foot board measurement, cubic yard, or other unit of measure, by which the bids will be tested.

The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Assistant Commissioner of Public Works, Room 15, Municipal Building, Borough of Brooklyn.

MARTIN W. LITTLETON,

President.

Dated August 16, 1905. a23,813

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 15, MUNICIPAL BUILDING, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, SEPTEMBER 13, 1905.

No. 1. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF CATHERINE STREET, FROM DEVON STREET TO METROPOLITAN AVENUE.

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

712 square yards of asphalt pavement.

124 cubic yards of concrete.

438 linear feet of new curbstone.

198 cubic yards of earth excavation.

28 cubic yards of earth filling, not to be bid for.

The time for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is Seven Hundred Dollars.

No. 2. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF DOUGLASS STREET, FROM EAST NEW YORK AVENUE TO SUTTER AVENUE.

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

3,910 square yards of asphalt pavement.

660 cubic yards of concrete.

2,319 linear feet of new curbstone.

1,040 cubic yards of earth excavation.

70 cubic yards of earth filling, not to be bid for.

10,230 square feet of cement sidewalks.

The time for the completion of the work and the full performance of the contract is forty (40) working days.

The amount of security required is Four Thousand Five Hundred Dollars.

No. 3. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON DUMONT AVENUE, FROM SCHENCK AVENUE TO NEW LOTS ROAD.

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

5,052 linear feet of new curb, to be set in concrete.

7,127 cubic yards of earth excavation.

2,421 cubic yards of earth filling, to be furnished.

250 cubic yards of concrete, not to be bid for.

24,925 square feet of cement sidewalks.

The time for the completion of the work and the full performance of the contract is sixty (60) working days.

The amount of security required is Four Thousand Dollars.

No. 4. FOR REGULATING AND GRADING EIGHTH AVENUE, FROM BAY RIDGE AVENUE TO SEVENTH AVENUE.

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

200 cubic yards of earth excavation.

18,628 cubic yards of earth filling, to be furnished.

Time for the completion of the work and the full performance of the contract is sixty (60) working days.

The amount of security required is Two Thousand Dollars.

No. 5. FOR REGULATING, GRADING, CURBING, GUTTERING AND LAYING SIDEWALKS ON EIGHTIETH STREET, FROM FIRST AVENUE TO SECOND AVENUE.

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

328 square yards of brick gutters, on a concrete foundation.

1,464 linear feet of new curbstone, to be set in concrete.

167 cubic yards of earth excavation.

4,500 cubic yards of earth excavation.
4,100 linear feet of concrete curb.
19,600 square feet of cement sidewalk.
1,800 square feet of new bluestone bridging.
No. 7. FOR REGULATING, GRADING, CURBING, LAYING SIDEWALKS AND CROSSWALKS ON ALBERT STREET, FROM DITMARS AVENUE TO POTTER AVENUE; ALSO POTTER AVENUE, FROM ALBERT STREET TO STEINWAY AVENUE, FIRST WARD; TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time allowed for doing and completing the above work will be fifty (50) working days.
The amount of security required will be Three Thousand Five Hundred Dollars (\$3,500).
The Engineer's estimate of the quantities is as follows:

7,700 cubic yards of earth excavation.
2,280 linear feet of concrete curb.
10,800 square feet of cement sidewalk.
430 square feet of new bluestone bridging.
No. 8. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON CRESCENT STREET, FROM PAYNTAR AVENUE TO FREEMAN AVENUE, FIRST WARD; TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time allowed for doing and completing the above work will be forty-five (45) working days.

The amount of security required will be Three Thousand Three Hundred Dollars (\$3,300).
The Engineer's estimate of the quantities is as follows:

3,000 cubic yards of earth excavation.
9,000 cubic yards of earth filling (furnished).
2,100 linear feet of concrete curb.
10,000 square feet of cement sidewalk.
No. 9. FOR REGULATING, GRADING, CURBING, LAYING SIDEWALKS AND CROSSWALKS ON NINTH AVENUE, FROM JACKSON AVENUE TO PIERCE AVENUE, FIRST WARD; TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time allowed for doing and completing the above work will be forty (40) working days.
The amount of security required will be Three Thousand Dollars (\$3,000).
The Engineer's estimate of the quantities is as follows:

6,000 cubic yards of earth excavation.
2,700 linear feet of concrete curb.
14,000 square feet of cement sidewalk.
700 square feet of new bluestone bridging.
No. 10. FOR CONSTRUCTING SEWER AND APPURTENANCES IN FIFTH AVENUE, FROM GRAHAM AVENUE TO WEBSTER AVENUE, FIRST WARD, TOGETHER WITH THE WORK INCIDENTAL THERETO.

The time allowed for constructing the sewer and appurtenances will be ninety (90) working days.
The amount of security required will be Four Thousand Five Hundred Dollars (\$4,500).
The Engineer's estimate of the quantities is as follows:

1,425 linear feet of 12-inch vitrified salt glazed or cement concrete sewer-pipe.
655 linear feet of 15-inch vitrified salt glazed or cement concrete sewer-pipe.
130 linear feet of 12-inch vitrified salt glazed or cement concrete culvert pipe.

2,144 linear feet of 6-inch vitrified salt glazed or cement concrete sewer-pipe, as risers for house connections.
14 manholes, complete.
5 receiving-basins, complete.
25 cubic yards of rock excavated and removed.

5,000 feet (B. M.) timber, for foundation, furnished and laid.
10,000 feet (B. M.) timber, for bracing and sheet piling.

No. 11. FOR CONSTRUCTING SEWER AND APPURTENANCES IN RADDE STREET, FROM JANE STREET TO PAYNTAR AVENUE, FIRST WARD, TOGETHER WITH THE WORK INCIDENTAL THERETO.

The time allowed for constructing the sewer and appurtenances will be sixty (60) working days.
The amount of security required will be Two Thousand Five Hundred Dollars (\$2,500).
The Engineer's estimate of the quantities is as follows:

1,100 linear feet of 12-inch vitrified salt glazed or cement concrete sewer-pipe.
40 linear feet of 12-inch vitrified salt glazed or cement concrete culvert pipe.
750 linear feet of 6-inch vitrified salt glazed or cement concrete sewer-pipe, as risers for house connections.

8 manholes, complete.
2 receiving-basins, complete.
10 cubic yards of rock excavated and removed.
2,500 feet of B. M. timber, for foundation, furnished and laid.
5,000 feet of B. M. timber, for bracing and sheet piling.

No. 12. FOR CONSTRUCTING SEWER AND APPURTENANCES IN SIXTEENTH AVENUE, FROM BROADWAY TO JAMAICA AVENUE, FIRST WARD, TOGETHER WITH THE WORK INCIDENTAL THERETO.

The time allowed for constructing the sewer and appurtenances will be sixty (60) working days.
The amount of security required will be Two Thousand Dollars (\$2,000).
The Engineer's estimate of the quantities is as follows:

1,015 linear feet of 12-inch vitrified salt glazed or cement concrete sewer-pipe.
50 linear feet of 12-inch vitrified salt glazed or cement concrete culvert pipe.
850 linear feet of 6-inch vitrified salt glazed or cement concrete sewer-pipe, as risers for house connections.

8 manholes, complete.
2 receiving-basins, complete.
15 cubic yards of rock excavated and removed.
5,000 feet (B. M.) timber, for bracing and sheet piling.

No. 13. FOR CONSTRUCTING SEWER AND APPURTENANCES IN SECOND AVENUE, FROM PAYNTAR AVENUE TO A CROWN SOUTH OF PIERCE AVENUE, AND IN SECOND AVENUE, FROM GRAHAM AVENUE TO JAMAICA AVENUE, AND IN SECOND AVENUE, FROM GRAND AVENUE TO NEWTOWN AVENUE, FIRST WARD, TOGETHER WITH THE WORK INCIDENTAL THERETO.

The time allowed for constructing sewer and appurtenances will be ninety (90) working days.
The amount of security required will be Five Thousand Dollars (\$5,000).
The Engineer's estimate of the quantities is as follows:

2,605 linear feet of 12-inch vitrified salt-glazed or cement concrete sewer pipe.
690 linear feet of 15-inch vitrified salt-glazed or cement concrete sewer pipe.
1,455 linear feet of 18-inch vitrified salt-glazed or cement concrete sewer pipe.
250 linear feet of 12-inch vitrified salt-glazed or cement concrete culvert pipe.
9,100 linear feet of 6-inch vitrified salt-glazed or cement concrete sewer pipe, as risers for house connections.
31 manholes, complete.
7 receiving-basins, complete.
150 cubic yards of rock, excavated and removed.

75 cubic yards of concrete in place, exclusive of concrete, as shown on plan.
15,000 feet, B. M., timber for foundation, furnished and laid.
125,000 feet, B. M., timber for bracing and sheet piling.

No. 14. FOR CONSTRUCTING CATCH-BASIN AND APPURTENANCES ON THE SOUTHWEST CORNER OF THIRTEENTH STREET AND FOURTH AVENUE, COLLEGE POINT, THIRD WARD, TOGETHER WITH THE WORK INCIDENTAL THERETO.

The time allowed for constructing and completing the catch-basin and appurtenances will be fifteen (15) working days.
The amount of security required will be One Hundred Dollars (\$100).
The Engineer's estimate of the quantities is as follows:

20 linear feet of 12-inch vitrified salt-glazed or cement concrete culvert pipe.
1 receiving-basin, complete.
100 feet, B. M., timber for foundation, furnished and laid.

No. 15. FOR CONSTRUCTING SEWER AND APPURTENANCES IN OAK STREET, FROM FLUSHING CREEK TO SEVENTEENTH STREET, AND IN SEVENTEENTH STREET, FROM OAK STREET TO CYPRESS AVENUE, AND IN CYPRESS AVENUE, FROM SEVENTEENTH STREET TO SIXTEENTH STREET, AND IN SEVENTEENTH STREET, FROM SEVENTEENTH STREET TO TWENTIETH STREET, AND THE CONSTRUCTION OF FOURTEEN CATCH-BASINS; ALSO THE ERECTION OF A SEWERAGE DISPOSAL PLANT IN CONNECTION THEREWITH, ALL OF THE SAME BEING SITUATED IN INGLESIDE, THIRD WARD, BOROUGH OF QUEENS.

The time allowed for the construction and completion of the work is three hundred (300) working days.
The amount of security required will be One Hundred Thousand Dollars (\$100,000).
The Engineer's estimate of the quantities is as follows:

725 linear feet of 9-foot sewer, including portal at outlet.
1,580 linear feet of 8-foot 9-inch sewer.
1,007 linear feet of 8-foot sewer.
774 linear feet of 6-foot 6-inch sewer.
810 linear feet of 6-foot sewer.
1,830 linear feet of 5-foot 3-inch sewer.
245 linear feet of 2-foot 6-inch sewer.
350 linear feet of 12-inch culvert pipe.
14 receiving-basins, complete.
43 manholes, complete.
14 domes.

7,000 linear feet of 12-inch pipe sub-drain.
800,000 feet, B. M., timber for foundation, furnished and laid.
650,000 feet, B. M., timber for bracing and sheet piling.
20,000 linear feet piles.
1,000 cubic yards rock, excavated and removed.
100 cubic yards concrete, exclusive of concrete, as shown on plan.

And the erection of a sewerage disposal plant in connection therewith.
The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per yard or other unit of measure, by which the bids will be tested.

The extension must be made and footed up, as bids will be read from the total.
The bids will be compared and the contracts awarded at a lump or aggregate sum.
Blank forms may be obtained and the plans and drawings may be seen at the office of the President.

JOSEPH CASSIDY,
President, Borough of Queens.
Dated August 11, 1905.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, FIFTH STREET AND JACKSON AVENUE, LONG ISLAND CITY, BOROUGH OF QUEENS, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens, at the above office until 11 o'clock a. m. on

THURSDAY, AUGUST 31, 1905.

No. 1. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS AND CROSSWALKS ON VAN ALST AVENUE, FROM RIDGE STREET TO HOYT AVENUE, FIRST WARD; TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time allowed for doing and completing the above work will be ninety (90) working days.
The amount of security required will be Ten Thousand Dollars (\$10,000).
The Engineer's estimate of the quantities is as follows:

14,000 cubic yards earth excavation.
2,000 cubic yards earth filling (furnished).
9,000 linear feet concrete curb.
39,000 square feet cement sidewalks.
8,000 square feet new bluestone bridging.

No. 2. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS AND CROSSWALKS ON NINTH AVENUE, FROM GRAND AVENUE TO FLUSHING AVENUE, FIRST WARD; TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time allowed for doing and completing the above work will be 60 working days.
The amount of security required will be Six Thousand Five Hundred Dollars.
The Engineer's estimate of the quantities is as follows:

15,000 cubic yards earth excavation.
3,900 linear feet concrete curb.
20,000 square feet cement sidewalks.
250 square feet new bluestone bridging.

No. 3. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON POMEKOEY STREET, FROM JACKSON AVENUE TO WASHINGTON AVENUE, FIRST WARD; TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time allowed for doing and completing the above work will be 35 working days.
The amount of security required will be Two Thousand Dollars.
The Engineer's estimate of the quantities is as follows:

2,000 cubic yards earth excavation.
750 linear feet concrete curb.
8,500 square feet cement sidewalks.

No. 4. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON SIXTEENTH AVENUE, FROM BROADWAY TO GRAHAM AVENUE, FIRST WARD; TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time allowed for doing and completing the above work is 35 working days.
The amount of security required will be Three Thousand One Hundred Dollars.
The Engineer's estimate of the quantities is as follows:

8,000 cubic yards earth embankment.
1,950 linear feet concrete curb.
9,500 square feet cement sidewalks.

No. 5. FOR REGULATING, GRADING AND REPAVING WITH MACADAM PAVEMENT THE ROADWAY OF STONG'S CAUSEWAY, FROM FLUSHING CREEK TO North Hemstead road, Third Ward; TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The time allowed for doing and completing the above work is thirty-five (35) working days.
The amount of security required will be Four Thousand Six Hundred Dollars (\$4,600).
The Engineer's estimate of the quantities is as follows:

8,900 square yards macadam pavement.
3,000 cubic yards earth filling (furnished).
The bidder will state the price of each item or article contained in the specification or schedules herein contained or hereto annexed per yard or other unit of measure by which the bids will be tested.

The extensions must be made and footed up as bids will be read from the total.
The bids will be compared and the contracts awarded at a lump or aggregate sum.
Blank forms may be obtained and the plans and drawings may be seen at the office of the President.

JOSEPH CASSIDY,
President, Borough of Queens.
Dated August 16, 1905.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan, at the City Hall, Room No. 16, until 1 o'clock p. m. on

MONDAY, AUGUST 28, 1905.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR BUILDING SEWER AND APPURTENANCES IN WEST ONE HUNDRED AND FORTIETH STREET, between Riverside drive and Broadway.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required, is as follows:

527 linear feet of salt-glazed vitrified stone-ware pipe sewer of 15-inch interior diameter.
725 cubic yards of rock to be excavated and removed.
5,000 feet, B. M., of timber and planking for bracing and sheet piling.
1,600 feet, B. M., of timber and planking for foundation.

The time allowed to complete the whole work is one hundred (100) working days.
The amount of the security required is Two Thousand Dollars (\$2,000).

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR BUILDING SEWER AND APPURTENANCES IN WEST ONE HUNDRED AND SEVENTIETH STREET, between Fort Washington avenue and Broadway.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required, is as follows:

63 linear feet of brick sewer of 3-foot 6-inch by 2-foot 4-inch interior diameter.
620 linear feet of salt-glazed vitrified stone-ware pipe sewer of 15-inch interior diameter.
25 linear feet of salt-glazed vitrified stone-ware pipe culvert of 12-inch interior diameter.

1 receiving basin of the circular pattern, with new style grate bars and bluestone head.
1,465 cubic yards of rock to be excavated and removed.
5,000 feet, B. M., of timber and planking for bracing and sheet piling.
1,900 feet, B. M., of timber and planking for foundation.

The time allowed to complete the whole work is one hundred and fifty (150) working days.
The amount of the security required is Thirty-five Hundred Dollars (\$3,500).

No. 3. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR BUILDING SEWER AND APPURTENANCES IN WEST ONE HUNDRED AND SEVENTY-FIRST STREET, from Fort Washington avenue to Broadway.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required, is as follows:

494 linear feet of salt-glazed vitrified stone-ware pipe sewer of 15-inch interior diameter.
35 linear feet of salt-glazed vitrified stone-ware pipe culvert of 12-inch interior diameter.
2 receiving basins of the circular pattern, with new style grate bars and bluestone heads.

471 cubic yards of rock to be excavated and removed.
20,000 feet, B. M., of timber and planking for bracing and sheet piling.
1,500 feet, B. M., of timber and planking for foundation.

The time allowed to complete the whole work is seventy-five (75) working days.
The amount of the security required is Twenty-five Hundred Dollars (\$2,500).

No. 4. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR BUILDING SEWERS IN WEST ONE HUNDRED AND SEVENTY-SEVENTH STREET, between St. Nicholas avenue and Broadway.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required is as follows:

130 linear feet of brick sewer of 3 feet 6 inches by 2 feet 4 inches interior diameter.
562 linear feet of salt-glazed vitrified stone-ware pipe sewer of 15-inch interior diameter.

1,150 cubic yards of rock to be excavated and removed.
11,000 feet, B. M., of timber and planking for bracing and sheet piling.
1,700 feet, B. M., of timber and planking for foundation.

The time allowed to complete the whole work is one hundred and fifty (150) working days.
The amount of the security required is Three Thousand Dollars (\$3,000).
The contracts must be bid for separately and the bids will be compared and the contracts awarded at a lump or aggregate sum for each contract.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article, by which the bids will be tested. The exten-

sions must be made and footed up, as the bids will be read from the total.
Blank forms may be had and the plans and drawings may be seen at the office of the Commissioner of Public Works, Nos. 13 to 21 Park row, Bureau of Sewers, Borough of Manhattan.

JOHN F. AHEARN,
Borough President.
THE CITY OF NEW YORK, August 16, 1905.

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES.

DEPARTMENT OF BRIDGES, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at the above office until 2 o'clock p. m. on

THURSDAY, SEPTEMBER 7, 1905.

Williamsburg Bridge.
FOR FURNISHING AND DELIVERING ELECTRICAL TOOLS AND SUPPLIES.

The time for the delivery of the materials and supplies and the performance of the contract is 60 days.
The amount of security required is Five Thousand Dollars (\$5,000).
The materials and supplies shall be delivered from time to time and in such quantities as may be directed.

Blank forms and specifications may be obtained at the office of the Department of Bridges.
AUGUST 18, 1905.

GEO. E. BEST,
Commissioner of Bridges.
a23,87

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at the above office until 2 o'clock p. m. on

THURSDAY, SEPTEMBER 7, 1905.

FOR FURNISHING AND DELIVERING WHITE, YELLOW AND NORTH CAROLINA PINE, SPRUCE AND OAK LUMBER, SPRUCE POLES, ETC.

The time allowed for the delivery of the materials and supplies and full performance of the contract shall be until December 30, 1905.
The amount of security shall be One Thousand Dollars (\$1,000).
Delivery shall be made from time to time as required at any of the bridges under the control of the Department of Bridges, over the Harlem river, and in the Boroughs of Manhattan and The Bronx.

The bidder must state a unit price for each item. The items will be footed up and the contract awarded to the bidder whose aggregate bid is the lowest.
Blank forms and further information may be obtained at the office of Department of Bridges, Nos. 13 to 21 Park row, Manhattan.

AUGUST 18, 1905.

GEO. E. BEST,
Commissioner of Bridges.
a23,87

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at the above office until 2 o'clock p. m. on

THURSDAY, SEPTEMBER 7, 1905.

Williamsburg Bridge.
FOR FURNISHING AND DELIVERING TRACK MATERIALS.

The time for the delivery of the materials and supplies and the performance of the contract is 30 days.
The amount of security required is five hundred dollars (\$500).
The materials and supplies shall be delivered from time to time and in such quantities as may be directed.

Blank forms and specifications may be obtained at the office of the Department of Bridges.
AUGUST 18, 1905.

GEO. E. BEST,
Commissioner of Bridges.
a23,87

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF FINANCE.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 1018 OF the Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF QUEENS:

FIRST WARD.

ACADEMY STREET—SEWER, from Grand avenue to a point 500 feet south of Grand avenue. Area of assessment: Both sides of Academy street, from Grand avenue to a point about 500 feet south of Grand avenue.

CARVER STREET—SEWER, between Newtown avenue and Flushing avenue. Area of assessment: Both sides of Carver street, from Newtown avenue to Flushing avenue; north side of Newtown avenue, from DeBevoise avenue to Carver street; west side of DeBevoise avenue, about 315 feet north of Newtown avenue.

CRESCENT STREET—SEWER, from Flushing avenue to Hoyt avenue. Area of assessment: Both sides of Crescent street, from Flushing avenue to Hoyt avenue.

DAVIS STREET—SEWER, from Jackson avenue to the Long Island Railroad tracks. Area of assessment: Both sides of Davis street, from Jackson avenue to within about 100 feet of the Long Island Railroad tracks.

—that the same were confirmed by the Board of Assessors on August 22, 1905, and entered on August 22, 1905, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any

such assessments 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 assessments to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessments are payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, at the Hackett Building, No. 51 Jackson avenue, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. until 12 m., and all payments made thereon or before October 21, 1905, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, August 23, 1905.
a24,87

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of the City of New York hereby gives public notice of the confirmation by the Supreme Court, and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following-named place in the BOROUGH OF THE BRONX:

TWENTY-FOURTH WARD, SECTION 11.

BELMONT PLACE—OPENING, from Third avenue to Arthur avenue. Confirmed March 26, 1903, and July 20, 1905; entered August 21, 1905. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point formed by the intersection of a line drawn parallel to the southwesterly side of East One Hundred and Eighty-first street and distant 100 feet southwesterly therefrom with a line drawn parallel to the northwesterly side of Washington avenue and distant 100 feet northwesterly therefrom; running thence northeasterly along said parallel line to its intersection with a line drawn parallel to the northwesterly side of Third avenue and distant 100 feet northwesterly therefrom; thence northeasterly along said parallel line to its intersection with a line drawn parallel to the northwesterly side of East One Hundred and Eighty-seventh street and distant 100 feet northwesterly therefrom; thence southeasterly along said parallel line to its intersection with a line drawn parallel to the southeasterly side of Cambridge avenue and distant 100 feet southeasterly therefrom; thence southwesterly along said parallel line and its prolongation southwesterly to its intersection with a line drawn parallel to the southwesterly side of East One Hundred and Eighty-second street and distant 100 feet southwesterly therefrom; thence northwesterly along said parallel line to its intersection with a line drawn parallel to the southeasterly side of Belmont avenue and distant 100 feet southeasterly therefrom; thence southwesterly along said parallel line to its intersection with a line drawn parallel to the southwesterly side of East One Hundred and Eighty-first street and distant 100 feet southwesterly therefrom; thence northwesterly along said parallel line to the point or place of beginning.

The above-entitled assessment was entered on the date hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount 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 1006 of the 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 centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal 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 or before October 20, 1905, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, August 23, 1905.
a24,87

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of the City of New York hereby gives public notice of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following-named avenue in the BOROUGH OF RICHMOND:

FIRST WARD.

FOREST AVENUE—OPENING, between Brooks avenue and Manor road. Confirmed July 17, 1905; entered August 18, 1905. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Richmond, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point formed by the intersection of a line parallel to and 100 feet westerly from the westerly prolongation of the middle line of the block

between Delafield avenue and Cherry lane; running thence easterly along said prolongation and middle line and its easterly prolongation to its intersection with the westerly prolongation of the southerly line of Myrtle avenue; thence easterly along said last-mentioned prolongation to its intersection with the middle line of Brooks avenue; thence southerly along said middle line to its intersection with the westerly prolongation of the middle line of the block between Myrtle avenue and Forest avenue; thence easterly along said prolongation and middle line to its intersection with the westerly line of Elizabeth street; thence southerly along said westerly line to its intersection with the westerly prolongation of a line parallel to and 100 feet northerly from the northerly line of Forest avenue; thence easterly along said prolongation and parallel line to its intersection with a line parallel to and 100 feet easterly from the easterly line of Elizabeth street; thence southerly along said last-mentioned parallel line and its prolongation to its intersection with a line parallel to and 100 feet southerly from the southerly line of Forest avenue; thence westerly along said last-mentioned parallel line to its intersection with the southerly prolongation of the westerly line of Elizabeth street; thence southerly along said prolongation to its intersection with a line parallel to and 330 feet southerly from the southerly line of Forest avenue; thence westerly along said parallel line to its intersection with the middle line of the creek, tributary to Palmer's Run; thence southerly along said middle line of the creek to its intersection with a line parallel to and 100 feet northerly from the northerly line of Egbert avenue; thence westerly along said parallel line and its prolongation to its intersection with a line parallel to and 100 feet westerly from the westerly line of Jewett avenue; thence northerly along said last-mentioned parallel line to the point or place of beginning.

The above-entitled assessment was entered on the date hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount 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 1006 of the 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 centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Bay and Sand streets, Stapleton, Borough of Richmond, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon or before October 15, 1905, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum, from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, August 18, 1905.
a19,81

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of the City of New York hereby gives public notice of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following-named street in the BOROUGH OF THE BRONX:

TWENTY-FOURTH WARD, SECTION 12.

EAST TWO HUNDRED AND FIFTH STREET—OPENING, from Jerome avenue to Moshulu parkway, South. Confirmed November 7, 1904, and July 29, 1905; entered August 18, 1905. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the point of intersection of the northwesterly prolongation of the northeasterly line of East Two Hundred and Fourth street with a line drawn parallel to and distant 235 feet northwesterly from the northwesterly line of Jerome avenue; running thence northeasterly along said parallel line to its intersection with a line drawn at right angles to the southeasterly line of the Grand Boulevard and Concourse from the point of intersection of the said southeasterly line of the Grand Boulevard and Concourse and the southerly line of St. George's Crescent; thence southeasterly along said last-mentioned line and easterly along the southerly line of St. George's Crescent and the southerly line of East Two Hundred and Sixth street and its easterly prolongation to its intersection with a line drawn parallel to and distant 235 feet easterly from the easterly line of Moshulu parkway, South; thence southerly along said parallel line to its intersection with the southeasterly prolongation of the northeasterly line of East Two Hundred and Fourth street; thence northwesterly along said prolongation and northeasterly line of East Two Hundred and Fourth street and its northwesterly prolongation to the point or place of beginning.

The above-entitled assessment was entered on the date hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount 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 1006 of the 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 centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau

for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal 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 or before October 17, 1905, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, August 18, 1905.
a19,81

CORPORATION SALE OF REAL ESTATE.

BRYAN L. KENNELLY, AUCTIONEER.

PUBLIC NOTICE IS HEREBY GIVEN that the Commissioners of the Sinking Fund of The City of New York, by virtue of the powers vested in them by law, will offer for sale at public auction on Wednesday, August 30, 1905, at 12 o'clock m., at the New York Real Estate Salesroom, Nos. 14 and 16 Vesey street, the following described real estate belonging to the corporation of The City of New York and located in the Borough of The Bronx, viz.:

All that certain lot of land bounded and described as follows:

Beginning at a point on the northerly side of One Hundred and Forty-ninth street, as now laid down on the map, distant 20 feet westerly from the corner formed by the intersection of the said northerly side of One Hundred and Forty-ninth street with the westerly side of Trinity avenue; thence northerly 90 feet, be the same more or less, to a point on the southwesterly side of Terrace place 20 feet westerly from the westerly side of Trinity avenue extended; thence northwesterly along the said southwesterly side of Terrace place 18 feet, more or less, to a point on the southerly side of Terrace place, distant 43 feet 8 inches northerly from the corner formed by the intersection of the southwesterly side of Terrace place with the westerly side of Trinity avenue; thence westerly along said southerly side of Terrace place 8 feet; thence southerly and parallel with the westerly side of Trinity avenue 105 feet to the said northerly side of One Hundred and Forty-ninth street; thence easterly along the said northerly side of One Hundred and Forty-ninth street 20 feet to the point or place of beginning; said property being known as Lot No. 129, in Block 2623, in the tax maps of the Borough of The Bronx, City of New York.

The minimum or upset price at which said property shall be sold is hereby fixed at twenty-five hundred dollars (\$2,500).

The sale of the said premises is made upon the following

TERMS AND CONDITIONS.

The highest bidder will be required to pay ten per cent. of the purchase money and the auctioneer's fee immediately after the sale; ninety (90) per cent. upon the delivery of the deed within thirty days from the date of the sale.

The Comptroller may at his option resell the property if the successful bidder shall fail to comply with the terms of the sale, and the party who may fail to comply therewith will be held liable for any deficiency that may result from any such resale.

The property is sold subject to all the taxes and assessments which may accrue and become a lien against the property on and after July 12, 1905, and further and specifically, reserving to The City of New York any award that has been made and confirmed for the opening of One Hundred and Forty-ninth street, from the Southern Boulevard to the Harlem river, Borough of The Bronx, and known as Damage No. 31 in said proceeding.

The right is reserved to reject any and all bids. Maps of said real estate may be seen on application at the Comptroller's Office, Stewart Building, No. 280 Broadway, Borough of Manhattan.

By order of the Commissioners of the Sinking Fund, under a resolution adopted at meeting of the Board held July 14, 1905.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, August 9, 1905.

N. TAYLOR PHILLIPS,
Deputy and Acting Comptroller.

a10,30

DEPARTMENT OF FINANCE, CITY OF NEW YORK,
March 26, 1903.

UNTIL FURTHER NOTICE AND UNLESS otherwise directed in any special case, one surety company will be accepted as sufficient upon all contracts for supplies for furniture, and for gas and electric lighting to any amount, and upon the following contracts to the amounts named:

For supplies and furniture, with patented articles.....	\$5,000
Regulating, grading, paving (other than asphalt)—	
Not over 2 years.....	15,000
Over 2 years.....	5,000
School building repairs.....	10,000
Heating and lighting apparatus....	5,000
New buildings—New docks.....	25,000
Sewers—Dredging and water-mains—	
Not over 2 years.....	10,000
Over 2 years.....	5,000

EDWARD M. GROUT,
Comptroller.

COLLEGE OF THE CITY OF NEW YORK.

BOARD OF TRUSTEES OF THE COLLEGE OF THE CITY OF NEW YORK, 1905.

PROPOSALS FOR BIDS OR ESTIMATES, FOR THE FURNITURE AND EQUIPMENT WORK FOR THE BUILDING FOR THE COLLEGE OF THE CITY OF NEW YORK, TO BE ERRECTED ON THE PLOTS OF GROUND LOCATED ON ST. NICHOLAS TERRACE, ONE HUNDRED AND FORTIETH STREET, AMSTERDAM AVENUE AND ONE HUNDRED AND THIRTY-EIGHTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

1. Sealed bids or estimates for the above work will be received by the Committee on Buildings of the Board of Trustees of the College of The City of New York, at the office of the Board, Lexington avenue and Twenty-third street, Borough of Manhattan, in The City of New York, until 12 o'clock m., on

WEDNESDAY, SEPTEMBER 6, 1905.

2. The time allowed for doing and completing the work herein specified in the Sub-Freshman Building (except the work which is included in the Assembly Hall, in the four departments and in the Lunch Room) will be up to and including the 16th day of October, 1905. If by this time blackboards are not entirely completed the con-

tractor will be allowed to erect the balance of these and to finish the work in the Lunch Room between the hours of 1 p. m. and 9 a. m., up to and including the 28th day of October, 1905; and for completing the work of the Assembly Hall and the four departments, up to and including the 18th day of November, 1905; and for completing the work herein specified for the Gymnasium, Mechanical Arts and Main Buildings, up to and including the 13th day of January, 1906; and for completing the work herein specified for the Chemical Building, up to and including the 19th day of March, 1906.

3. The amount of security required will not be less than twenty-five per cent. (25%) of the amount of the bid or estimate.

4. Bidders are requested to make their bids or estimates upon the blank form prepared for the purpose, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon written application therefor at the office of the architect, George B. Post, No. 33 East Seventeenth street, New York City. The plans and drawings, which are made a part of the specifications, can be seen at the present College Buildings, corner of Lexington avenue and Twenty-third street, in The City of New York, Borough of Manhattan.

5. The bidder shall state one aggregate price for the whole work described and specified, as the contract is entire and for a complete job. No bid shall be withdrawn while the awarding of the contract is pending.

6. 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 proper security, he or they will be considered as having abandoned it, and as in default to The City of New York, and the contract will be readvertised and relet as provided by law.

EDWARD M. SHEPARD,
Chairman;

CHARLES PUTZEL,
Secretary;

FREDERICK P. BELLAMY,
JAMES BYRNE,
JAMES W. HYDE,
JOSEPH F. MULQUEEN,
THEO. F. MILLER,
M. WARLEY PLATZEK,
PARKER D. HANDY,
HENRY N. TIFFT,
Board of Trustees and Com-

mittee on Buildings.

Dated BOROUGH OF MANHATTAN, August 2, 1905.
a2,86

See General Instructions to Bidders on the last page, last column, of the "City Record."

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APPLIANCES IN NEW KITCHEN BUILDING ON HART'S ISLAND, NEW YORK.

The time for the completion of the work and the full performance of the contract is by or before 30 consecutive working days.

The amount of security required is 50 per cent. of the amount of bid or estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Department of Correction, the Borough of Manhattan, No. 148 East Twentieth street.

FRANCIS J. LANTRY,
Commissioner.

Dated August 9, 1905.

See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF CORRECTION, No. 148 EAST TWENTIETH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m. on

TUESDAY, AUGUST 29, 1905,
Borough of Manhattan.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO INSTALL A NEW STEEL RUDDER, STOCK AND BLADE, ON STEAMER "MASSASOIT."

The time for the completion of the work and the full performance of the contract is by or before 10 consecutive working days.

The amount of security required is fifty per cent. (50%) of the amount of bid or estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Department of Correction, the Borough of Manhattan, No. 148 East Twentieth street.

FRANCIS J. LANTRY,
Commissioner.

Dated August 17, 1905.

See General Instructions to Bidders on the last page, last column, of the "City Record."

POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK, No. 300 MULBERRY STREET.

SEALED BIDS OR ESTIMATES WILL BE received by the Police Commissioner of the Police Department of The City of New York at the above office until 2 o'clock p. m. on

THURSDAY, AUGUST 31, 1905.

FOR FURNISHING ALL THE LABOR AND FURNISHING AND ERECTING ALL THE MATERIALS REQUIRED FOR FURNISHING ELECTRICAL CONDUCTORS AND PLACING ELECTRICAL CONDUCTORS UNDERGROUND.

The time for the completion of the work and the full performance of the contract is one hundred and twenty days.

The amount of security required is Twenty Thousand Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

For particulars as to the nature and extent of the work required or of the materials to be furnished, bidders are referred to the specifications and lists of materials, supplies and apparatus to be furnished, and to the plans on file at the office of the Superintendent of Telegraph of the Police Department, No. 300 Mulberry street, Borough of Manhattan.

Blank forms and further information may be obtained at the Central Office of the Police Department, No. 300 Mulberry street, Borough of Manhattan.

WILLIAM McADOO,
Police Commissioner.

Dated August 18, 1905.

See General Instructions to Bidders on the last page, last column, of the "City Record."

POLICE DEPARTMENT OF THE CITY OF NEW YORK, No. 300 MULBERRY STREET.

SEALED BIDS OR ESTIMATES WILL BE received by the Police Commissioner of the Police Department of The City of New York at the above office until 2 o'clock p. m., on

THURSDAY, AUGUST 31, 1905.

FOR FURNISHING ALL THE LABOR AND MATERIALS NECESSARY IN MAKING AND COMPLETING GENERAL REPAIRS AND IMPROVEMENTS TO HEATING SYSTEMS AT SEVERAL PRECINCT POLICE STATIONS AND OTHER DEPARTMENT BUILDINGS FOR THE POLICE DEPARTMENT OF THE CITY OF NEW YORK.

The time for the completion of the work and the full performance of the contract is forty days.

The security required will be fifty per cent. (50%) of the amount of the bid or estimate.

The bids will be compared by the sums or amounts for each precinct, and award may be made by one or the whole number of precincts to the lowest bidder.

The bidder will state the price for which he will do all the work and provide, furnish and deliver all the labor and materials mentioned and described in said contract and specifications, for one or more precincts.

For particulars as to the nature and extent of the work required or of the materials to be furnished bidders are referred to the specifications and to the plans on file in the office of the Inspector of Repairs and Supplies of the Police Department, No. 300 Mulberry street, City of New York.

Blank forms and further information may be obtained at the Central Office of the Police Department, No. 300 Mulberry street, Borough of Manhattan.

WILLIAM McADOO,
Police Commissioner.

Dated August 18, 1905.

See General Instructions to Bidders on the last page, last column, of the "City Record."

POLICE DEPARTMENT—CITY OF NEW YORK, 1899.

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

THOMAS F. O'CONNOR,
Property Clerk.

POLICE DEPARTMENT—CITY OF NEW YORK, BOROUGH OF BROOKLYN.

OWNERS WANTED BY THE DEPUTY Property Clerk of the Police Department of The City of New York—Office, No. 209 State street, Borough of Brooklyn—for the following property, now in his custody, without claimants: Boots, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

JOSEPH J. CAREY,
Deputy Property Clerk.

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION, No. 61 ELM STREET, NEW YORK, August 17, 1905.

PUBLIC NOTICE IS HEREBY GIVEN that an open competitive examination will be held for the following position:

COURT STENOGRAPHER (MAGISTRATES), QUEENS, FRIDAY, SEPTEMBER 8, 1905, AT 10 A. M.

The receipt of applications will close on Friday, September 1, 1905, at 4 p. m.

The subjects and weights of the examination are as follows:

Accuracy	5
Speed	3
Writing	1
Arithmetic	1

The required percentage is 70 on all.

Candidates must be able to take dictation at the rate of 150 words a minute.

The salary attached to this position is \$1,800, and there is one vacancy in Queens Borough.

Applicants must be residents of Queens Borough.

The minimum age is 21 years.

WILLIAM F. BAKER,
President;

R. ROSS APPLETON,
ALFRED J. TALLEY,
Civil Service Commissioners.

HENRY BERLINGER,
Secretary.

at 8,58

MUNICIPAL CIVIL SERVICE COMMISSION, No. 61 ELM STREET, NEW YORK, August 15, 1905.

SPECIAL CORRECTED NOTICE.

Attention is called to the change of date and also as to the modifications as to license.

PUBLIC NOTICE IS HEREBY GIVEN that an open competitive examination will be held for the following position:

MARINE ENGINEER, WEDNESDAY, SEPTEMBER 6, 1905, AT 10 A. M.

The receipt of applications will close on Tuesday, August 29, 1905, at 4 p. m.

The subjects and weights of the examination are as follows:

Technical	6
Mathematics	1
Experience	3

The percentage required is 75 on the technical paper and 70 on all.

This examination will be held to provide Engineers for the new municipal ferry service between Manhattan and Richmond. Candidates must have the necessary Federal license to cover this class of vessels, and must have had experience on screw boats; should have had experience in handling water-tube boilers under high pressure, and with the system of forced draught; should be familiar with marine electrical lighting plants and with steam sticer gearings, and the different forms of pumps and of valve gearing and with the use of the salinometer.

The compensation attached to this position is \$1,500 to \$1,800 per annum. There are 15 to 20 vacancies.

The minimum age is 21.

WILLIAM F. BAKER,
President;

R. ROSS APPLETON,
ALFRED J. TALLEY,
Civil Service Commissioners.

HENRY BERLINGER,
Secretary.

at 5,56

MUNICIPAL CIVIL SERVICE COMMISSION, No. 61 ELM STREET, NEW YORK, August 7, 1905.

PUBLIC NOTICE IS HEREBY GIVEN that an open competitive examination will be held for the following position:

ASSISTANT ALIENIST, TUESDAY, AUGUST 29, 1905, AT 10 A. M.

The receipt of applications will close on Tuesday, August 22, at 4 p. m.

The subjects and weights of the examination are as follows:

Technical	6
Experience	4

The percentage required is 75 on the technical paper and 70 on all.

Candidates must be qualified Examiners in Lunacy in the State of New York. The compensation attached to this position is \$1,500 per annum, and there is a vacancy in Bellevue and Allied Hospitals.

The minimum age is 21.

WILLIAM F. BAKER,
President;

R. ROSS APPLETON,
ALFRED J. TALLEY,
Civil Service Commissioners.

HENRY BERLINGER,
Secretary.

at 2,29

MUNICIPAL CIVIL SERVICE COMMISSION OF THE CITY OF NEW YORK, No. 61 ELM STREET, CORNER OF LEONARD STREET, NEW YORK, March 23, 1905.

APPLICATIONS WILL BE RECEIVED FOR the following positions on and after April 3, 1905:

Foreman of Park Laborers, Department of Parks.

Foreman of Dock Laborers, Department of Docks and Ferries.

HENRY BERLINGER,
Secretary.

at 2,29

MUNICIPAL CIVIL SERVICE COMMISSION, No. 61 ELM STREET, NEW YORK, July 7, 1905.

PUBLIC NOTICE IS HEREBY GIVEN that an open competitive examination will be held for the following position:

OFFICE BOY, THURSDAY, AUGUST 31, 1905, AT 10 A. M.

Applications will be received from July 10 to July 24, inclusive, at 4 p. m.

The subjects and weights of the examination are as follows:

General paper	3
Arithmetic	3
Letter writing	3
Handwriting (rated on letter)	3

Candidates will be required to receive 70 per cent. in order to pass the examination.

In the general paper, candidates will be asked elementary questions in United States history and geography, and will also be asked questions designed to ascertain their intelligence and fitness.

Candidates must not be over 18 years of age.

The salary attached to this position is \$300 per annum.

WILLIAM F. BAKER,
President;

R. ROSS APPLETON,
ALFRED J. TALLEY,
Civil Service Commissioners.

HENRY BERLINGER,
Secretary.

at 8,51

MUNICIPAL CIVIL SERVICE COMMISSION, No. 61 ELM STREET, CITY OF NEW YORK.

PUBLIC NOTICE WILL BE GIVEN OF all competitive examinations two weeks in advance of the date upon which the receipt of applications for any scheduled examination will close.

Applications will be received for only such examinations as are scheduled.

When an examination is advertised, a person desiring to compete in the same may obtain an application blank upon request made in writing, or by personal application at the office of the Commission.

All notices of examinations will be posted in the office of the Commission, City Hall, Municipal Building, Brooklyn, and advertised in the City Record for two weeks in advance of the date upon which the receipt of applications will close for any stated position.

Public notice will also be given by advertisement in most of the City papers.

Wherever an examination is of a technical character, due notice is given by advertisement in the technical journals appertaining to the particular profession for which the examination is called.

Such notices will be sent to the daily papers as matters of news, and to the General Post-office and stations thereof. The scope of the examination will be stated, but for more general information application should be made at the office of the Commission.

Unless otherwise specifically stated, the minimum age requirement for all positions is 21.

WILLIAM F. BAKER,
President;

R. ROSS APPLETON,
ALFRED J. TALLEY,
Commissioners.

HENRY BERLINGER,
Secretary.

at 2,24-03

BOARD MEETINGS.

The Board of Estimate and Apportionment meet in the Old Council Chamber (Room 16), City Hall, every Friday, at 10.30 o'clock A. M.

JAMES W. STEVENSON,
Deputy Comptroller, Secretary.

The Commissioners of the Sinking Fund meet in the Old Council Chamber (Room 16), City Hall, at call of the Mayor.

N. TAYLOR PHILLIPS,
Deputy Comptroller, Secretary.

The Board of City Record meet in the Old Council Chamber (Room 16), City Hall, at call of the Mayor.

PATRICK J. TRACY,
Supervisor, Secretary.

CHANGE OF GRADE DAMAGE COMMISSION.

TWENTY-THIRD AND TWENTY-FOUR WARDS.

PURSUANT TO THE PROVISIONS OF chapter 537 of the Laws of 1893 and the Acts amendatory thereof and supplemental thereto, notice is hereby given that meetings of the Commissioners appointed under said Acts will be held at the office of the Commission, Room 138, No. 280 Broadway (Stewart Building), Borough of Manhattan, New York City, on Mondays, Wednesdays and Fridays of each week, at 2 o'clock P. M., until further notice.

Dated New York City, March 26, 1904.

WILLIAM E. STILLINGS,
CHARLES A. JACKSON,
OSCAR S. BAILEY,
Commissioners.

LAMONT McLOUGHLIN,
Clerk.

SUPREME COURT—FIRST DEPARTMENT.

FIRST JUDICIAL DISTRICT.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the SOUTHERLY SIDE OF FORTY-EIGHTH STREET, between Eighth and Ninth avenues, in the Borough of Manhattan, in The City of New York, duly selected as a site for school purposes, according to law.

NOTICE IS HEREBY GIVEN THAT Edmund J. Tinsdale, Charles P. Dillon and Ferdinand Levy, Commissioners of Estimate and Appraisal in the above-entitled proceeding, appointed by an order of the Supreme Court, dated August 18, 1905, and filed in the office of the Clerk of the County of New York, will appear before the Justice of the Supreme Court sitting at Special Term, Part II., at the County Court-house, in the Borough of Manhattan, on the 8th day of September, 1905, at 11 o'clock in the forenoon, to be examined by the Corporation Counsel, or by any person interested in said proceeding, as to their qualifications to act as such Commissioners.

Dated New York, August 23, 1905.

JOHN J. DELANY,
Corporation Counsel.

at 25,56

FIRST JUDICIAL DISTRICT.

In the matter of acquiring title by The City of New York to certain lands and premises situated in the BLOCK BOUNDED BY SUFFOLK, NORFOLK, DELANCEY AND BROOME STREETS, in the Borough of Manhattan, in The City of New York, duly selected for bridge purposes.

NOTICE IS HEREBY GIVEN THAT IT is the intention of the Corporation Counsel to make application at a Special Term of the Supreme Court, Part I., to be held at the County Court-house in the Borough of Manhattan, on the 8th day of September, 1905, at the opening of court on that day or as soon thereafter as counsel can be heard, for the appointment of three discreet and disinterested citizens, residents of the Borough of Manhattan, as Commissioners of Estimate and Appraisal in the matter of acquiring certain lands in the Borough of Manhattan, bounded and described as follows:

Beginning at the intersection of the southerly side of Delancey street with the westerly side of Suffolk street; running thence southerly fifty (50) feet along the westerly side of Suffolk street; thence westerly and parallel with Delancey street two hundred and forty-nine hundredths (200.49) feet to the easterly side of Norfolk street; thence northerly along the easterly side of Norfolk street fifty (50) feet to the southerly side of Delancey street; thence easterly along the southerly side of Delancey street two hundred and forty-two hundredths (200.42) feet to the place of beginning.

Dated New York, August 23, 1905.

JOHN J. DELANY,
Corporation Counsel.

at 25,56

FIRST JUDICIAL DISTRICT.

In the matter of acquiring title by The City of New York to certain lands and premises situated in the block bounded by Cherry, Clinton, Water and Montgomery streets, in the Borough of Manhattan, in The City of New York, duly selected as a site for school purposes.

NOTICE IS HEREBY GIVEN THAT EDWARD B. La Petra, Jacob V. Myers and Frederick J. Feuerbach, Commissioners of Estimate and Appraisal in the above-entitled proceeding, appointed by an order of the Supreme Court dated August 18, 1905, and filed in the office of the Clerk of the County of New York, will appear before the Justice of the Supreme Court, sitting at Special Term, Part II., at the County Court-house, in the Borough of Manhattan, on the 8th day of September, 1905, at eleven o'clock in the forenoon, to be examined by the Corporation Counsel, or by any person interested in said proceeding, as to their qualifications to act as such Commissioners.

Dated New York, August 23, 1905.

JOHN J. DELANY,
Corporation Counsel.

at 25,56

FIRST JUDICIAL DISTRICT.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the WESTERLY LINE OF OLIVER STREET, between Water and South streets, in the Borough of Manhattan, in The City of New York, duly selected for the purpose of constructing thereon a pumping station for high pressure fire system, according to law.

NOTICE IS HEREBY GIVEN THAT IT is the intention of the Corporation Counsel to make application at a Special Term of the Supreme Court, Part I., to be held in the County Court-house, in the Borough of Manhattan, on the 15th day of September, 1905, at the call of the calendar on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and Appraisal to ascertain and appraise the compensation to be made to the owners and all persons interested in the real property situated in the Borough of Manhattan, in The City of New York, bounded and described as follows:

Beginning at the point of intersection of the westerly side of Oliver street with the southerly side of Water street, and running thence westerly along the southerly side of Water street 90.83 feet; thence southerly 39.3 feet; thence again westerly 0.8 feet; thence again southerly 121.81 feet to the northerly side of South street; thence easterly along the northerly side of South street 92.04 feet to the northwesterly corner of Oliver and South streets; thence northerly along the westerly side of Oliver street 160.61 feet to the southwest corner of Water and Oliver streets, the point or place of beginning.

said premises being shown on a map entitled "Department of Water Supply, Gas and Electricity; land required for pumping station for high pressure fire system, Southern District, February, 1905," and filed in the office of the Register of the County of New York on the 21st day of July, 1905.

Dated New York, July 13, 1905.

JOHN J. DELANY,
Corporation Counsel.

at 4,11,18,25,51,8,15

FIRST JUDICIAL DISTRICT.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the SOUTHERLY SIDE OF EAST ONE HUNDRED AND FIFTY-SEVENTH STREET, between Courtlandt avenue and Melrose avenue, in the Borough of The Bronx, in The City of New York, duly selected as a site for school purposes.

NOTICE IS HEREBY GIVEN THAT IT is the intention of the Corporation Counsel to make application to the Supreme Court, Special Term, Part I., to be held at the County Court-house, in the Borough of Manhattan, on the 5th day of September, 1905, at the opening of the Court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and Appraisal, to ascertain and appraise the compensation to be made to the owners and all persons interested in certain premises situated in the Borough of The Bronx, in The City of New York, bounded and described as follows:

Beginning at a point formed by the intersection of the easterly line of the lands of Public School 3 with the southerly line of East One Hundred and Fifty-seventh street, which point is distant two hundred and sixty-six and seventy-four one-hundredths (266.74) feet easterly from the easterly line of Courtlandt avenue; and running thence easterly along the southerly line of East One Hundred and Fifty-seventh street one hundred (100) feet; thence southerly and parallel with the easterly line of the lands of said school one hundred (100) feet; thence westerly and parallel with East One Hundred and Fifty-seventh street fifty (50) feet; thence again southerly and again parallel with the easterly line of the lands of said school eighty-nine and three-tenths (89.3) feet; thence westerly in a straight line to the southeasterly corner of the lands of said school; thence northerly along the easterly line of the lands of said school one hundred and ninety-one and seventy-eight one-hundredths (191.78) feet to the southerly line of East One Hundred and Fifty-seventh street, the point or place of beginning.

Dated New York, August 19, 1905.

JOHN J. DELANY,
Corporation Counsel,

No. 2 Tryon Row,
Borough of Manhattan,
New York City.

at 22,32

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening, extending and widening of ST. NICHOLAS AVENUE (although not yet named by proper authority), at its intersection with Nagle avenue and Dyckman street, as shown upon a map or plan adopted by the Board of Estimate and Apportionment on May 20, 1904, in the Twelfth Ward, Borough of Manhattan, City of New York.

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

First—That we have completed our estimate of damage and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby and having objections thereto, do present their said objections in writing, duly verified, to us at our office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in the City of New York, on or before the 13th day of September, 1905, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 14th day of September, 1905, at 12 o'clock m.

Second—That the abstract of our said estimate, together with our damage maps, and also all the affidavits, estimates, proofs and other documents used by us in making our report, have been deposited in the Bureau of Street Openings, in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 23d day of September, 1905.

Third—That our report herein will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III., to be held in the County Court-house, in the Borough of Manhattan, in the City of New York, on the 2d day of October, 1905, at the opening of the Court on that day.

Dated Borough of Manhattan, New York, August 17, 1905.

JAMES D. McCLELLAND,
Chairman;
EUGENE L. SYKES,
WILLIAM J. HOWE,
Commissioners.

JOHN P. DUNN,
Clerk.

a22,89

SUPREME COURT—SECOND DEPARTMENT.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands, tenements and hereditaments required for the purpose of widening LIVINGSTON STREET from 50 feet to 80 feet, between Court street and Flatbush avenue, in the First and Third Wards, in the Borough of Brooklyn, of The City of New York, as the same has been heretofore laid out.

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

First—That we have completed our amended estimate and assessment, and that all persons interested in this proceeding or in any of the lands, tenements and hereditaments and premises affected thereby, and having objection thereto, do present their said objections in writing, duly verified, to us at our office in the office of the Law Department, No. 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 13th day of September, 1905, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 14th day of September, 1905, at 2 o'clock p. m.

Second—That the abstract of our said amended estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making our report, have been deposited in the Bureau of Street Openings of the Law Department of The City of New York, in the Borough of Brooklyn, No. 166 Montague street, in the Borough of Brooklyn, in the City of New York, there to remain until the 25th day of September, 1905.

Third—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the easterly side of Clinton street, where the same is intersected by the centre line of the block between Schermerhorn street and State street; running thence northerly and along the easterly side of Clinton street, to the southerly side of Pierrepont street; running thence easterly along the southerly side of Pierrepont street to the westerly side of Fulton street; running thence southerly along the westerly side of Fulton street to its intersection with the westerly side of Court street; running thence southeasterly to the intersection of the southerly side of Myrtle avenue with the easterly side of Fulton street; running thence easterly along the southerly side of Myrtle avenue 100 feet; running thence southerly and parallel with Fulton street and distant 100 feet easterly therefrom to the easterly side of Adams street; running thence southeasterly and parallel with Fulton street and distant 100 feet northeasterly therefrom to the intersection of Pearl street and Willoughby street; running thence easterly and along the southerly side of Willoughby street to the westerly side of Raymond street; running thence southerly and along the westerly side of Raymond street to the southerly side of DeKalb avenue; running thence easterly and along the southerly side of DeKalb avenue to the westerly side of Washington avenue; running thence southerly and along the westerly side of Washington avenue to its intersection with the northerly side of Butler street, or Sterling place; running thence westerly and along the northerly side of Butler street, or

Sterling place, to its intersection with the easterly side of Fifth avenue; running thence northeasterly along the easterly side of Fifth avenue to the northeasterly side of Dean street; running thence northwesterly and along the northeasterly side of Dean street to the easterly side of Third avenue; running thence northeasterly and along the easterly side of Third avenue to a point distant 100 feet northerly of the northerly line of State street; running thence westerly and along the centre line of the blocks between State street and Schermerhorn street to the point or place of beginning.

Fourth—That our report herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof for the hearing of motions, to be held in the County Court-house, in the Borough of Brooklyn, in the City of New York, on the 29th day of September, 1905, at the opening of the Court on that day.

Dated Borough of Brooklyn, The City of New York, August 25, 1905.

MICHAEL FURST,
LUKE D. STAPLETON,
Commissioners.

JAMES F. QUIGLEY,
Clerk.

a25,813

SECOND JUDICIAL DISTRICT.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the SOUTHERLY SIDE OF AVENUE G, EAST TWENTY-THIRD AND EAST TWENTY-FOURTH STREETS, in the Borough of Brooklyn, in the City of New York, duly selected as a site for school purposes, according to law.

NOTICE IS HEREBY GIVEN THAT IT IS the intention of the Corporation Counsel of The City of New York to make application to the Supreme Court, Special Term, for the hearing of motions, to be held at the County Court-house, in the Borough of Brooklyn, on September 18, 1905, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of three disinterested citizens, residents of the Borough of Brooklyn, as Commissioners of Estimate and Appraisal, to ascertain and appraise the compensation to be made to the owners and all persons interested in certain real property situated in the Borough of Brooklyn, in The City of New York, bounded and described as follows:

Beginning at a point formed by the intersection of the easterly line of East Twenty-third street with the southerly line of Avenue G; running thence easterly along the southerly line of Avenue G two hundred (200) feet to the westerly line of East Twenty-fourth street; thence southerly along the westerly line of East Twenty-fourth street two hundred (200) feet; thence westerly parallel with Avenue G two hundred (200) feet to the easterly line of East Twenty-third street, and thence northerly along the easterly line of East Twenty-third street two hundred (200) feet to the point or place of beginning.

Dated New York, August 23, 1905.
JOHN J. DELANY,
Corporation Counsel,
Borough of Brooklyn,
New York City.

a23,82

SECOND JUDICIAL DISTRICT.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the NORTHWESTERLY CORNER OF NORMAN AVENUE AND OAKLAND STREET, in the Borough of Brooklyn, in The City of New York, duly selected as a site for school purposes, according to law.

NOTICE IS HEREBY GIVEN THAT IT IS the intention of the Corporation Counsel of The City of New York to make application to the Supreme Court, Special Term, for the hearing of motions, to be held at the County Court-house, in the Borough of Brooklyn, on September 18, 1905, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of three disinterested citizens, residents of the Borough of Brooklyn, as Commissioners of Estimate and Appraisal, to ascertain and appraise the compensation to be made to the owners and all persons interested in certain real property situated in the Borough of Brooklyn, in The City of New York, bounded and described as follows:

Beginning at a point formed by the intersection of the westerly line of Oakland street with the northerly line of Norman avenue; running thence westerly along the northerly line of Norman avenue twenty-five (25) feet to the easterly line of the lands of Public School 34; thence northerly along the easterly line of lands of Public School 34 ninety-five (95) feet; thence easterly and parallel with Norman avenue twenty-five (25) feet to the westerly line of Oakland street, and thence southerly along the westerly line of Oakland street ninety-five (95) feet to the northerly line of Norman avenue, the point or place of beginning.

Dated New York, August 23, 1905.
JOHN J. DELANY,
Corporation Counsel,
Borough of Brooklyn,
New York City.

a23,82

KINGS COUNTY.

In the matter of acquiring title by The City of New York to certain lands and premises situated on WESTERLY SIDE OF STONE AVENUE, two hundred (200) feet south of Glenmore avenue, in the Borough of Brooklyn, in The City of New York, duly selected as a site for school purposes, according to law.

NOTICE IS HEREBY GIVEN THAT James T. Williamson, M. Shaler Allen and Thomas D. Hoxsey, Commissioners of Estimate in the above-entitled proceeding, have made and signed their final report herein, and on August 21, 1905, filed the same in the office of the Board of Education of The City of New York, at Park avenue and Fifty-ninth street, in the Borough of Manhattan, in The City of New York, and on the same day filed a duplicate of said report in the office of the Clerk of Kings County, in the Hall of Records, in the Borough of Brooklyn, in The City of New York, and that said report will be presented for confirmation to the Supreme Court at Special Term for hearing of motions, to be held in the County Court-house, in Kings County, on September 6, 1905,

at 10.30 o'clock a. m., or as soon thereafter as counsel can be heard.

Dated Borough of Brooklyn, City of New York, August 21, 1905.

JOHN J. DELANY,
Corporation Counsel.
a21,31

KINGS COUNTY.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the SOUTHEASTERLY SIDE OF NOLL STREET, distant two hundred feet west of Central avenue, in the Twenty-seventh Ward of the Borough of Brooklyn, in The City of New York, duly selected as a site for school purposes, according to law.

NOTICE IS HEREBY GIVEN THAT BY an order of the Supreme Court of the State of New York, bearing date June 22, 1905, and filed in the office of the Clerk of the County of Kings on July 10, 1905, John A. Quintard was appointed a Commissioner of Estimate and Appraisal in the above entitled proceeding to fill a vacancy caused by the resignation of James F. Quigley, one of the Commissioners heretofore appointed herein.

Notice is further given that, pursuant to the provisions of said order and pursuant to the statute in such case made and provided, the said Commissioner so nominated will attend at a Special Term of the Supreme Court for the hearing of motions, to be held at the County Court-house, in the County of Kings, on September 6, 1905, at 10.15 o'clock in the forenoon, for the purpose of being examined under oath by the Corporation Counsel of The City of New York or by any person having an interest in said proceedings, as to his qualifications to act as Commissioner of Estimate and Appraisal in this proceeding.

Dated August 21, 1905.

JOHN J. DELANY,
Corporation Counsel,
Borough Hall,
Borough of Brooklyn,
New York City.
a21,31

KINGS COUNTY.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the NORTHERLY SIDE OF FIFTH STREET AND THE SOUTHERLY SIDE OF FOURTH STREET, 237.10 feet east of Seventh avenue, in the Borough of Brooklyn, duly selected as a site for school purposes, according to law.

NOTICE IS HEREBY GIVEN THAT Sanders Shanks, John J. Brennan and John H. Kemble, Commissioners of Estimate in the above entitled proceeding, have made and signed the final report herein, and on August 21, 1905, filed the same in the office of the Board of Education of The City of New York, at Park avenue and Fifty-ninth street, in the Borough of Manhattan, in The City of New York, and on the same day filed a duplicate of said report in the office of the Clerk of Kings County, in the Hall of Records, in the Borough of Brooklyn, in The City of New York, and that said report will be presented for confirmation to the Supreme Court at Special Term for the hearing of motions, to be held in the County Court-house, in Kings County, September 6, 1905, at 10.30 o'clock a. m., or as soon thereafter as counsel can be heard.

Dated Borough of Brooklyn, City of New York, August 21, 1905.

JOHN J. DELANY,
Corporation Counsel.
a21,31

COUNTY OF KINGS.

In the matter of acquiring title by The City of New York to certain lands and premises bounded by OCEAN PARKWAY, AVENUE Y, EAST SIXTH STREET, CANAL AVENUE AND CONEY ISLAND CREEK, in the Borough of Brooklyn, in The City of New York, excepting therefrom lands now owned by The City of New York, duly selected for the Department of Public Charities, according to law.

NOTICE IS HEREBY GIVEN THAT AL-bert E. Richardson, Paul Veimann and Harry B. Bradbury, Commissioners of Estimate and Appraisal, appointed by an order of the Supreme Court dated August 11, 1905, and filed in the office of the Clerk of the County of Kings on August 12, 1905, will appear before the Justice of the Supreme Court, sitting at Special Term for the hearing of motions on the 28th day of August, 1905, at 10.30 o'clock in the forenoon, to be examined by the Corporation Counsel, or by any person interested in said proceeding, as to their qualifications to act as such Commissioners.

Dated New York, August 15, 1905.

JOHN J. DELANY,
Corporation Counsel.
a16,26

SECOND JUDICIAL DISTRICT.

In the matter of the application of The City of New York to acquire certain real estate in the Towns of Lewisboro, Poundridge and Bedford, Westchester County, New York, under chapter 490 of the Laws of 1883 and the laws amendatory thereof, for the purpose of a dam and reservoir on Cross River, and for the purpose of supplying The City of New York with an increased supply of pure and wholesome water.

CROSS RIVER DAM AND RESERVOIR—SECOND DIVISION.

NOTICE OF FILING AND OF MOTION TO CONFIRM FIRST SEPARATE REPORT.

PUBLIC NOTICE IS HEREBY GIVEN that the First Separate Report of Francis Larkin, Charles Brandt, Jr., and John J. Brown, Commissioners of Appraisal in the above-entitled matter, was filed in the office of the Clerk of the County of Westchester, at White Plains, in said County, on July 8, 1905.

Notice is further given that the First Separate Report includes and affects the parcels of land designated as Parcels Nos. 52, 53, 56, 71 and 74 in said proceeding.

Notice is further given that an application will be made at a Special Term of the Supreme Court of the State of New York, to be held in and for the Second Judicial District, held at the Court-house in the Borough of Brooklyn, City of New York, on the eleventh day of September, 1905, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be

heard, for an order confirming said report, and for such other and further relief as may be just.

Dated New York, August 10, 1905.

JOHN J. DELANY,
Corporation Counsel,
No. 2 Tryon Row,
Borough of Manhattan,
New York City.
a11,18,25,81,8

SECOND JUDICIAL DISTRICT.

In the matter of the application of The City of New York to acquire certain real estate in the Towns of Lewisboro, Poundridge and Bedford, Westchester County, New York, under chapter 490 of the Laws of 1883 and the Laws amendatory thereof, for the purpose of a dam and reservoir on Cross River, and for the purpose of supplying The City of New York with an increased supply of pure and wholesome water.

CROSS RIVER DAM AND RESERVOIR—FIRST DIVISION.

NOTICE OF FILING AND OF MOTION TO CONFIRM FIRST SEPARATE REPORT.

PUBLIC NOTICE IS HEREBY GIVEN that the First Separate Report of Daniel Cohalan, John F. Brennan and Benoni Platt, Commissioners of Appraisal in the above entitled matter, was filed in the office of the Clerk of the County of Westchester, at White Plains, in said County, on June 29, 1905.

Notice is further given that the First Separate Report includes and affects the parcels of land designated as Parcels Nos. 3, 4, 5, 7 and 14, in said proceeding.

Notice is further given that an application will be made at a Special Term of the Supreme Court of the State of New York, to be held in and for the Second Judicial District, held at the Court-house, in the Borough of Brooklyn, City of New York, on the eleventh day of September, 1905, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard, for an order confirming said report, and for such other and further relief as may be just.

Dated New York, August 10, 1905.
JOHN J. DELANY,
Corporation Counsel,
No. 2 Tryon Row,
Borough of Manhattan,
New York City.
a11,18,25,81,8

PROPOSALS FOR BIDS AND ESTIMATES FOR THE CITY OF NEW YORK.

NOTICE TO CONTRACTORS.

GENERAL INSTRUCTIONS TO BIDDERS.

The person or persons making a bid or estimate for any services, work, materials or supplies for The City of New York, or for any of its departments, bureaus or offices, shall furnish the same in a sealed envelope, indorsed with the title of the supplies, materials, work or services for which the bid or estimate is made, with his or their name or names and the date of presentation to the President or Board or to the head of the Department at his or its office, on or before the date and hour named in the advertisement for the same, at which time and place the estimates received will be publicly opened by the President or Board or head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each bid or estimate shall contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and, if no other person be so interested, it shall distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of The City of New York, is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise in or in the performance of the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated herein are in all respects true.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, or of a guaranty or surety company duly authorized by law to act as surety, and shall contain the matters set forth in the blank forms mentioned below.

No bid or estimate will be considered unless, as a condition precedent to the reception or consideration of any proposal, it be accompanied by a certified check upon one of the State or National banks of The City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

The certified check or money should not be inclosed in the envelope containing the bid or estimate, but should be either inclosed in a separate envelope addressed to the head of the Department, President or Board, or submitted personally upon the presentation of the bid or estimate.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work, reference must be made to the specifications, schedules, plans, etc., on file in the said office of the President, Board or Department.

No bid shall be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the City.

The contract must be bid for separately. The right is reserved in each case to reject all bids or estimates if it is deemed to be for the interest of the City so to do.

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

Bidders are requested to make their bids or estimates upon the blank forms prepared and furnished by the City, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department for which the work is to be done. Plans and drawings of construction work may also be seen there.