

TWENTY-FOURTH ANNUAL REPORT

--OF THE--

BROOKLYN

Park Commissioners

--FOR THE--

YEAR 1884.



Brooklyn:

PRINTED FOR THE COMMISSIONERS.

1885.

COMMISSIONERS AND OFFICERS.

COMMISSIONERS :

JOHN GIBB, ANDREW DOUGHERTY,
D. H. HOUGHTALING, GEORGE W. CHAUNCEY,
CHARLES GARLICHS, HENRY W. MAXWELL,
THOMAS C. SMITH, LEANDER WATERBURY,
THE MAYOR, *ex-officio*.

OFFICERS :

President :

JOHN GIBB.

Secretary :

ANDREW A. SMITH.

Chief Engineer and Superintendent :

JOHN Y. CULYER.

REPORT

OF THE

Brooklyn Park Commissioners.

OFFICE OF THE BROOKLYN PARK COMMISSIONERS, }
CITY HALL, }
BROOKLYN, January 1, 1885. }

*To the Honorable the Mayor and Common Council of the city of
Brooklyn:*

GENTLEMEN:

The Brooklyn Park Commissioners, in accordance with the requirements of the statute, present herewith their report for the year ending December 31, 1884.

There will be found appended statements showing in detail the moneys received and the sources whence they were derived, together with the full and circumstantial exhibit of the expenditures for all purposes during the year.

The Commissioners are gratified to state that a moderate increase in the appropriation for the maintenance of the parks will relieve, to some extent, the difficulties attendant upon the discharge of their responsibilities for the ensuing year.

The need of a stated annual fund for construction purposes in the development and improvement of unfinished portions of the Park, becomes more apparent each year.

This is particularly the case with regard to that portion of the Park lying along Ninth avenue, from Third to Fifteenth street, forming the southeasterly boundary of the Twenty-second Ward, and contiguous to the Eighth Ward of this city.

The completion of this work, in accordance with the original design of the Park, would greatly aid in assuring a deservedly high character for the contiguous property. It would invite improvements inuring to the benefit of the city, while it would secure an ample return to its treasury, many times in excess of the outlay, through the increased assessable value of the property thus improved.

In regard to the policy of selling the remainder of the east side lands, it has not been thought desirable to dispose of them pending the litigation which the city is now pressing to an issue as fast as practicable.

For the details of the work we refer you to the accompanying report of the Chief Engineer and Superintendent.

Respectfully,

JOHN GIBB,

President.

REPORT OF THE CHIEF ENGINEER AND SUPERINTENDENT.

OFFICE OF CHIEF ENGINEER AND SUPERINTENDENT, }
BROOKLYN, December 1, 1884. }

To the Brooklyn Park Commissioners.

GENTLEMEN :

The work of the Commissioners during the past year has been mainly confined to that for which its principal fund is provided, viz., the maintenance of the several Parks, Parkways, &c.

Our operations, of necessity, have been limited to the current and seasonable demands made upon us by the public for the appropriate uses of these several works, the object having been to extend all the facilities in our power to visitors, and at the same time, as far as possible, preserve from destruction the groundwork of the principal improvements in our charge. It is unnecessary, therefore, to make more than passing allusion to the condition of the parks in detail, which, for need of a more liberal provision for expenditure during the period which has intervened since our construction fund was exhausted, ten years ago, have suffered from deteriorations caused by use and exposure, far beyond the limitations of real economy. This state of facts has been so constantly reiterated as to fully enlighten the public in regard to our restricted financial resources, and has justly deterred criticism as to the condition of important parts of the work to which, with a liberal fund at our disposal, we would otherwise be exposed. It has been demanded of us, during the year, a careful and economical adjustment of our means to meet the requirements made upon us.

Notwithstanding the many disadvantages under which we have labored for a number of years, as regards our ability to do all that would seem to be desirable, the parks have never before been put to such general and apparently satisfactory use by the people. This is in part the evidence and result of an

increased appreciation of the means afforded for recreation, and in part to some modification of the prestige of Coney Island as a resort, interest in which prevailed so generally among our people a few years ago. This greatly increased use during the last two years has been specially noteworthy. As a resort for picnicking, the Park seems to have permanently taken the place of many resorts whose imperfect accommodations and meretricious attractions had previously afforded opportunity for out-door pleasuring to large numbers of people. During the past year the school and church organizations (statistical details of which will be found elsewhere), without regard to sect, have found congenial and acceptable facilities at the Park; it having acquired a deserved repute for comfort, variety of entertainment, and freedom from annoyance and danger. These attractions, together with the accessibility of the grounds, have established for them a permanent reputation in almost every way as a desirable resort. The provisions for other special out-door recreation, such as lawn tennis, croquet, archery, bicycling, cricket, lacrosse, foot-ball and base-ball, miniature yacht sailing, ice boating, and other winter sports on the ice, have been cheerfully extended to large numbers in a belief that the encouragement of such uses of the Park were in harmony with the ideas governing those who planned it, which in substance were to make it, as far as possible, available to the whole public for every proper and reasonable pleasure. These provisions, to a large extent, are not common to public parks generally, and in arranging accommodations for some of them a considerable expenditure of money was required. This has caused the diversion of a portion of our limited funds from the more specific requirements of maintenance work, but the results of these expenditures have contributed so directly to the comfort and pleasure of all classes of our citizens that it can hardly be made the subject of regret.

The principal features of the work of the year have been the renewal of the surfaces of portions of our road system, made necessary by their condition as to wear, ordinary deterioration and superficial treatment, to which they had been subjected.

The East Drive, averaging forty-five feet in width, from near Battle Pass to the southerly entrance of the Park, the length being about 5,200 feet, was re-surfaced with Roa Hook gravel, involving an aggregate expenditure for labor and material of nearly eleven thousand (11,000) dollars.

The gravel is in all respects similar to that used in the original construction of the roads on Central Park, and was procured from a remarkable deposit of this material on the Van Courtlandt estate at Roa Hook, on the Hudson river, a short distance above Peekskill. It seems probable that though expensive as to cost of transportation, &c., it is the best natural product out of which to construct drives for pleasure riding that has yet been brought into use.

The repairs to this portion of the Park drives amounted substantially to a partial reconstruction, and involved a pro rata expenditure for the year, for this class of work, out of proportion to the amount available for such purpose from our yearly stipend. Being, however, a part of the principal drive of the Park and forming practically the main thoroughfare in connection with the Parkway to the Island, the public have enjoyed and no doubt appreciated the increased comfort and facilities which this renovated roadwork has afforded.

The covering of gravel was limited to a thickness of three inches—with this we shall probably be enabled to maintain a fair surface for two or three seasons, when it will be required to be renewed.

The removal of the old buildings at the junction of Fifteenth street and the city line during the previous year enabled us to carry through the line of the roadway and to define the entrance at that point. The lines of walk on either side were also opened and graded, and these, together with the contiguous surfaces, which were roughly shaped, have been left in an unfinished condition, awaiting opportunity to renew operations next Spring. Scarcity of suitable soil for surfacing in this neighborhood may make it necessary to procure the required

material from distant points at an increased expenditure, otherwise superficial treatment, which in the matter of soil for turf and planting must always prove uneconomical in the end, must be substituted.

A well kept turf of vigorous growth frequently cut, as is the custom during the summer season, is very exhaustive of the sustenance contained in the soil, and unless this is restored by frequent applications of manure or other fertilizers, will result in a deteriorated and scanty supply of grass.

A considerable expenditure was also required at the Well. This amounted in part to the renewal of the plant required for operating our water service. The original boiler, after seventeen years' use, during which period it had been frequently repaired, was finally condemned by the official Inspector, and a new wrought-iron horizontal tubular boiler of increased capacity was put in its place. The covering of the well was also entirely renewed.

The structure known as the Promenade Drive Shelter, on the south side of the Park, was reduced in height by the removal of a considerable part of the whole. The original intention was to equip this frame work with a series of awnings for the protection of the public, with the expectation that it would invite visitors to gather at this point to view the driving, &c.; but the distance from many points of the Park and its central resorts, would seem to suggest too remote a contingency to justify the comparatively expensive maintenance which the idea practically carried out would involve, and has suggested the modification which has been accomplished.

The lease of the Litchfield Mansion expired during the month of January of this year. The building, without modification in any important particular of its interior arrangements, was put to use for the administration offices of the Commission in the month of April. The Litchfield Mansion being nearly thirty years old there were many details of its construction that needed repair, together with considerable painting of outside work—a new heating apparatus was put in—since which time it has served as a convenient executive headquarters.

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30

81 years 1935

Repairs and painting to the permanent buildings, bridges and rustic work were made necessary by their deteriorated condition and their increased use.

Owing to the wide-spread interest in lawn tennis playing, all the available space in the picnic house shelter was fitted up with lockers for the storage of the clothing, nets, &c., of the players. A portion of the basement of the Litchfield Mansion has also been temporarily fitted up for the purpose.

The Park fences, to which attention has been called in previous reports, were in bad condition and have required a great deal of repair during the year. The length of the enclosing fence is nearly four miles, and the frequent renewal of posts, pickets, bottom boards, &c., involved a considerable outlay for labor and material, and will continue to do so until replaced by a more sightly and substantial substitute.

In addition to the features of the work thus specially noted, the force has been busily engaged throughout the year on usual maintenance work, incidental to the several works under our charge.

In the early winter months, and particularly during the prevalence of skating, sleighing and other winter sports, the care of the ice and roads, removal of snow, &c., required the services of our entire force. A number of snow storms at frequent intervals during January and February proved somewhat embarrassing in view of the fact that the cleaning of the small parks throughout the city was required to be provided for simultaneously with the other exacting demands of the season.

The work of general restoration in the Spring corresponds very much to that of the old fashioned custom of house cleaning which everywhere prevails. The road surfaces had been broken up by the frost and were generally repaired. The turf, spaces and plantations littered with dead leaves, decayed wood, &c., were thoroughly cleaned, the water courses, silt basins and drainage system were overhauled, and the deposits carried into them by the storms removed. Considerable pruning was

done as late in the season as was permitted, and a number of evergreens and other plants removed from crowded plantations and transferred to more open and desirable sites. With the advent of Spring the more general use of the Park as a resort became apparent. As soon as the turf was in a suitable condition to be used for field games, lawn tennis, archery and croquet was established and participated in by their numerous votaries. These sports continued without interruption until Thanksgiving Day.

Over two hundred regularly organized tennis clubs were provided with courts and lockers during the summer. For this purpose alone, nearly twenty acres of the Long Meadow were used, the grass was cut as frequently as three times a week, and the courts marked out and otherwise maintained without charge of any kind to those seeking recreation in this form, at the Park.

The Annual Sunday School Meeting and Parade occurred on the 21st day of May. The schools gathered together in three divisions at different points, where seats for 12,000 children, stands for speakers, &c., were erected, and the whole space, including the north end of the Long Meadow, was enclosed for the manoeuvres which followed the usual ceremonies. The weather was in all respects favorable, and it is estimated that from 25,000 to 30,000 persons visited the Park and witnessed the ceremonies and parade.

On Sunday, the 25th, the customary memorial services under the auspices of the Grand Army of the Republic were held at the Lincoln monument on the Plaza at the Park and at the tomb of the prison ship martyrs at Fort Greene. The usual arrangements were made for the accommodation of the public. The Lincoln statue was profusely decorated with plants and flowers, many of which were contributed for the purpose by the pupils of Public Schools Nos. 9, 15, 39 and 42.

On the 28th of May, exercises were held by the St. Patrick Society of this city, commemorative of the birthday of the poet Moore, at the Pedestrian Concourse.

A meeting of the Eastern Archery Association, under the auspices of the Brooklyn Archery Club, was held at the Archery Grounds in the Park on Decoration day. The picnic season commenced with Anniversary day, and throughout the months of June, July, August and September, the grounds were almost daily occupied by church, school and other organizations, together with many social and family parties.

The skating season commenced on January 4, 1883, and ceased March 5, 1884, making a total of twenty-six days of skating for the season of 1883 and 1884.

The weather throughout this period was very favorable for winter sports. Nearly fifty acres of ice was frequently used by the public, who enjoyed every facility for skating, ice-boat sailing, curling and other winter ice sports. Snow storms caused the principal interruption to an otherwise more frequent daily use of the ice. The attendance was greatly in excess of previous seasons, and at times our public buildings were insufficient for the purpose. No serious accident occurred during this period. The first concert of the season occurred on Saturday, June 7th, and continued throughout the month of June, July and August, making thirteen concerts in all. The music was furnished by Mr. Luciano Conterno of this city, under whose direction there was given a most satisfactory series of concerts.

The season for field sports at the Parade Ground opened in the month of May, and the grounds were occupied, with scarcely any intermission, during the remaining fine weather of the year. Aside from the numerous organized base-ball, cricket, lacrosse and foot-ball clubs, composed of youth and adults, to whom grounds have been assigned for the season, over 1,000 general permits were issued for other games of this character. On Saturdays, frequently, and on special holidays, we were at times unable to meet the demands made upon us.

Bicycle and tricycle riding has greatly increased during the year. The use of the Park for this purpose has been restricted to the walks, where, with such regulations as it was desirable to

impose, ample facilities were afforded without serious interference with the privileges of others. The use of the Eastern Parkway, the Ocean Parkway and the Concourse at Coney Island, has been permitted without limitation and with no apparent conflict with the comfort or safety of drivers. The principal riders are expert in the management of their machines and conform to the rules which have been in part made up from their own experience. So long as these rules are intelligently complied with I see no reason to modify the provisions for using the Park for those seeking recreation in this manner.

As to the unfinished portions of the Park, to which reference is frequently made, comprising more particularly the considerable unimproved area along the westerly boundary of the Park lying along the extreme limits of the Twenty-second and contiguous to the Eighth Ward of this city, it may be said that suggestions favoring the renewal of construction work is entitled to the careful attention of the Commissioners. The tendency of improvement in the earlier years of construction carried the work through the main body of the area, its principal features following the trend of travel towards the southerly entrance. Our means, which had been provided by law for construction purposes, were exhausted ten years ago, since which time the area just referred to along Ninth avenue and Fifteenth street has remained in a state of incompleteness. This, at the time of the cessation of the work, attracted no especial attention or criticism in view of the generally unimproved state of that portion of the two Wards alluded to, bordering upon and adjacent to the Park. Since then, however, the property of the neighborhood has recovered to a substantial degree from the effects of the general financial depression which prevailed in 1873, the transfers of property at improved prices, which afford every promise of stability, and the erection of numerous buildings throughout the district, indicate the early attainment of a high class reputation for the whole western slope of the Park.

The conformation of the area from Flatbush avenue to Fifteenth street, and even beyond, and extending nearly to the

borders of the unsightly neighborhood to the south of Fifth avenue, combines to a notable degree, in its sloping surface and the character of the underlying material, conditions in every way favorable for a permanently healthy dwelling place. The few irregularities in the surface which have served in the past to impede temporarily the passage of the surface water, have almost all been removed, and will soon entirely disappear by reason of the improvements in progress or of those soon to follow.

The completion of the streets by suitable pavements and a perfected sewerage will entirely remove the possibility of annoyance which often arises from arrested ground water percolating through the surface. The numerous excavations that are being made from time to time for the foundations of buildings, disclose to the most casual observer, the fact that the substratas of gravel and sand afford the most favorable conditions for the rapid carrying off, by natural drainage, of any water that may find its way through the surface, and that dry foundations in cellars must of necessity be the rule.

The geological structure of the Park, as would seem quite natural, is in the main a counterpart of that just referred to. The system of drainage and the care of surface water is probably as complete as can be found in the country, while it is also the fact, to be demonstrated at any time, that no deleterious influences to health exist upon the Park that could be charged with affecting in any degree, disadvantageously, the healthfulness of the circumjacent territory. The waters that flow into the lake of the Park, and the water in the lake itself, throughout any season of the year, is more suitable for potable purposes than the water supply that exists to-day for several communities of people not many miles from this city. The presence of vegetation during the summer months in portions of the lake is entirely natural, and is common to bodies of fresh water and streams everywhere. This vegetation consists of a minute and inferior plant believed to be of the Lemna order, commonly known as duckweed, and is blown over the surfaces from the shores, where it is first developed, into the inlets and narrow

bays of the lake and presents an unsightly appearance throughout portions of the season, but that it has ever seriously affected the health of any one, it is not believed. This much may be said in answer to occasional public reference to this subject.

A comparison, at this time, of the progressive assessments of value of the Twenty-second Ward particularly, would seem to justify the conclusions as to the importance of interests to be favorably operated upon by the further improvement of the unfinished portions of the Park. In like manner the interests of the Eighth and Ninth Wards would be benefited to an important degree.

Within this particular area of the Park referred to, portions of the surface have been worked over, and will remain as they now are permanently. The walks have been outlined and graded, but no permanent superstructure has as yet been put upon them, with the exception of that connecting with the Ninth street entrance. The plantations are incomplete and will require modifications and additions in important particulars.

The permanent occupation of the Litchfield Mansion for park purposes suggests the opening for public uses, of the section lying between it and the Ninth street entrance, which has remained to the present time in a condition substantially as originally taken. A very considerable amount would be involved, necessarily, in the improvement of this area, but with suitable treatment would be found to add greatly to the resources of the Park. No particular estimates have been made as to the cost of this contemplated work, and the amount necessary for the purpose would be controlled entirely by the perfection of detail to which the Commissioners shall ultimately commit themselves, and to the extent which it would be desirable to carry on the work in harmony with the original design, but an early consideration of the question, in view of the valuable influences that would quickly result from this work, is undoubtedly desirable.

Other but less important sections remain in an unfinished state. Of these, that in the neighborhood of the Willink entrance, running south along Ocean avenue, is one. The neighborhood of the entrance just opened at the junction of Fifteenth street and the City line is another.

Of important structures contemplated, the completion of the bridge at a site already established, adjacent to the temporary bridge over the northern inlet of the Lake, is perhaps one that would justify the earliest consideration on the part of the Commissioners. The erection of a bridge at this point and the modifications of the drive across it, which would result in a material improvement in the grades, would justify at the same time the continuation of work upon the unfinished surfaces of the slope and portions of the Peninsula, bordering upon the Lake. Within a short distance of this permanent bridge site it has been the intention to erect the hotel, which naturally would be of more ambitious design than any structure now in use upon the Park. The site is a commanding and accessible one, and would afford from its piazzas and windows an outlook upon the Lake, and would comprehend in a broad vista the intermediate section of the Island between the Park and the Island, and an expansive view of the ocean itself.

The want of suitable provision for restaurant facilities, for the temporary care of horses and vehicles, and such accommodation as visitors, particularly in carriages, demand, has greatly emphasized the criticisms as to the want of such accommodation which has followed upon the great increase in pleasure riding in the community during the past ten years.

The Lookout Hill neighborhood, a considerable portion of which is utilized as a site for the Park Reservoir, has been intended to be used as a site for an observatory, the position being every way favorable, and perhaps without parallel for such purposes in either city, in view of the fine outlook to be afforded from such elevation as the contemplated structure would command. While minor portions of the Park must of necessity require more attention and expenditure than their

proportional share of the present maintenance fund would suffice for, the features contemplated in the original construction just enumerated are by far the most important, and are probably named in the order of interests, from a public point of view, to which they are entitled.

Of the work which it is desirable to outline for the ensuing year, the continuation of resurfacing the main drives will merit the earliest attention. Resuming operations at the point where they were discontinued last year, viz., at the junction of the drives at the southerly entrance of the Park, it is intended to continue the repairs to the road superstructure on the main line parallel with the old Coney Island road, Fifteenth street and Ninth avenue, constructing a new branch drive to Litchfield Mansion, and continuing the work thence toward the main entrance. The length of surface to be worked over, the roadway being generally in bad condition, is between one and two miles, and when completed, if we shall be able to do so, will furnish a restored road surface upon the main circuit drive aggregating a length of between three and four miles. Repairs to the other drives, to the bridle roads and portions of the more important walk lines are also contemplated.

The condition of the unsold portion of the east side lands, with regard to which any present action on the part of the Commissioners is held in abeyance, owing to some technical questions concerning matters of title which have been raised, soon to be finally disposed of by the courts, it is believed, has been made the occasion of criticism of the Commissioners, as to delay in their ultimate disposal. After the sale of a large number of these lots at the public auction, which took place in 1881, the failure to complete the purchase, on the part of a purchaser, has tended to retard their improvement up to the present time. It is not contemplated that any further indebtedness shall be incurred in connection with them, beyond such as will be incidental to a further sale, but public sentiment undoubtedly favors an early disposal of the property still belonging to the city, in order that it shall not, from their abandoned condition, continue to operate against the general character of the neigh-

borhood, and that the further benefits to accrue from a sale and the improvement of it shall commence to operate in favor of the city's interest. Such a sale, not involving absolute sacrifice of the property, and its transfer to private owners, even at moderate prices, would result in benefits from several sources which are not now possible to be availed of. The amount to be derived from their sale and, subsequently, from taxes, upon an increased valuation and improvement, would quickly add a considerable revenue to the city, while the influence to be exerted by the development of the area, generally, upon other sections of the neighborhood, would represent a considerable money value and prove a creditable auxiliary to the available resources so desirable at this time, with which to meet the general financial engagements of the city.

SMALL PARKS.

No special features of work upon the small parks of the city call for particular mention at this time. They have been maintained in as good condition as was possible under the circumstances, and have been largely used as neighborhood resorts; their increased use would justify a more liberal expenditure, especially in the case of Fort Greene. The large structure of wood on the higher portion of this park, used as a shelter and resting place, is very much out of repair and should be replaced by a more substantial one. It is proposed, however, to make it temporarily servicable by necessary repairs during the coming season.

Tennis playing at Fort Greene and Tompkins Park was permitted throughout the season to the fullest extent afforded by the turfed spaces available. An additional police service upon these parks, which is contemplated for next year, will add to the further security of the public.

During the year a portion of the flagstone forming the plaza in front of the City Hall was removed. The underlying material was replaced with soil and covered with turf. This effected a desirable change in the character of the area

generally, and it is believed to have met with approval. A substantial curb of granite or bluestone may be substituted, and with such planting as the early Spring will afford opportunity for, the general effect will be considerably enhanced. Such further improvements of this area, together with the surrounding sidewalks of the main building as were outlined upon plans prepared in the early part of the year, would greatly exceed any means that the Commission would seem to be justified in expending in the absence of special appropriations for the purpose, but the central position of the representative official structure of the city would warrant it. Indeed the general effect and appearance of the City Hall building, due to its immediate surroundings, lack character and finish and would be greatly improved by the change suggested.

OCEAN PARKWAY.

A considerable portion of the main drive was repaired and resurfaced with gravel during the year and very much improved. The work upon other portions of the road will be resumed in the ensuing spring. The Concourse at Coney Island, which had been in a very dilapidated condition, was resurfaced with concrete in a substantial manner by Mr. J. P. Cranford of this city, at cost of \$30,000, for which a special appropriation had been obtained from the County authorities. This work extended over the length and breadth of the main roadway for a width of 75 feet, and a length of over 2,700 feet. The irregularities of the surface required, in order to adjust it to a suitable grade, the application of material varying in depth from 2 inches to 8 inches.

The Concourse area generally continues to serve as a most desirable adjunct to the few resources of the Island, provided for public use, to which no expense is attached and entirely free from modifying and undesirable features that pertain to certain portions of the Island. The importance and value of the reservation for public purposes cannot but be impressed upon all who are familiar with the relation it bears to other portions of the Island.

With suitable means, its usefulness could be increased a hundred fold. Provisions for carrying out the project submitted for the consideration of the Supervisors would not only enable the Commission to ensure to the citizens of Brooklyn greater comfort and enjoyment at the Island, but would increase the value of important parts of the Island itself. The interests controlled by the Commissioners for the people are too important not to have impressed upon them the responsibilities concerning its extended development as a seaside resort. In previous reports it has been suggested the necessity for a more efficient police surveillance of the Island. A still more serious subject is the provision for the removal of sewage. No suitable plan of sewerage can be effected otherwise than by uniting all the interests that would share its benefits. The conditions would seem to limit the resources of engineering, within reasonable expenditures, to two projects; the first, that of the rather complex arrangement of collecting the sewage at various points, its preparation by disinfecting processes or by composting, and its frequent removal, and its use for fertilizing purposes.

The second plan would be to construct a tidal sewer, parallel with the ocean line, of suitable dimensions to meet present and reasonable future requirements, having its outlet at the west end of the Island, where all material discharged from it would reach a permanent current that would carry it away from the shore. The latter project would seem to be the most practicable, and would be most likely to prove the more servicable, as it certainly would be the most economical in the end. It is a matter of surprise that a scheme for improving the sewerage at the Island has not been effected, in view of its importance and of the great interests to be favorably affected by it.

EASTERN PARKWAY.

The renovation of this important thoroughfare has been provided for during the coming Spring by the purchase and storage upon the line of the necessary material. The renewal of the entire surface from the Plaza to Brooklyn avenue is contemplated as early in the season as will be favorable for this impor-

tant work. I beg leave to submit the usual statistical returns, together with the list of the names, occupation, and length of service of all employés during the year; this list comprises a large number of men temporarily employed during the emergent seasons of work, and were required to supplement our ordinary force. These were discharged, in all cases, as soon as the necessity ceased.

Respectfully submitted,

JOHN Y. CULYER,

Chief Engineer and Superintendent.

Financial Statement for the Year 1884.
CITY.

MAINTENANCE OF PARKS.

<i>Certified to City Auditor:</i>		Appropriated by the Common Council. \$100,000 00
Expended for labor, keepers, salaries. \$79,520 26		Deficiency, June 17, 1882, reimbursed. \$10,604 42
“ music.	2,160 00	
“ gas.	1,072 78	
“ gravel, &c.	7,168 34	
“ supplies.	20,683 04	
	<u>\$110,604 42</u>	<u>\$110,604 42</u>

CONSTRUCTION OF ERECTIONS AND IMPROVEMENTS IN PROSPECT PARK.

<i>Certified to City Auditor:</i>		Appropriated by the Legislature. \$10,000 00
Expended for labor.	\$4,623 23	
“ supplies.	2,161 50	
“ contracts—boiler, heating, &c.	3,215 27	
	<u>\$10,000 00</u>	<u>\$10,000 00</u>

MAINTENANCE OF EASTERN PARKWAY.

<i>Certified to City Auditor:</i>		Appropriated by the Common Council. \$5,000 00
Expended for labor and keepers.	\$1,603 80	
“ gravel, &c.	2,445 33	
“ supplies.	950 87	
	<u>\$5,000 00</u>	<u>\$5,000 00</u>

MAINTENANCE OF OCEAN PARKWAY.

<i>Certified to City Auditor:</i>		Appropriated by the Common Council. \$12,500 00
Expended for labor and keepers.	\$8,367 70	
“ supplies.	792 55	
“ gravel, &c.	3,339 75	
	<u>\$12,500 00</u>	<u>\$12,500 00</u>

Financial Statement for the Year 1884—Continued.

COUNTY.

MAINTENANCE OF CONCOURSE—CONEY ISLAND.

Expended for resurfacing the roadway.....	\$27,000 00		Appropriated by the Board of Super-		
Held in reserve for one year—10 per			visors of Kings County and received		
cent.....	\$3,000 00		from the County Treasurer—special.	\$30,000 00	
		\$30,000 00	Appropriated by the Board		
			of Supervisors of Kings		
Expended for labor and keepers.....	\$4,711 51		County and received from		
“ supplies, &c.....	680 96		the County Treasurer.....	\$3,000 00	
		5,392 47	Received for privileges.....	650 00	
			Balance of June 17, 1882....	1,742 47	
				\$5,392 47	
		<u>\$35,392 47</u>			<u>\$35,392 47</u>

MAINTENANCE AND CARE OF PARADE GROUND.

Expended for labor and keepers.....	\$3,137 32		Appropriated by the Board of Super-		
“ supplies.....	362 68		visors of Kings County and received		
		\$3,500 00	from the County Treasurer.....	\$3 500 00	
					\$3,500 00

Revenues derived from the Public Parks of the City of Brooklyn.

Balance brought forward from January 1, 1884.....		\$239 12
Rentals.....	\$6,684 25	
Water sales.....	666 04	
Old material sold.....	222 50	
Sheep sold.....	164 38	
Impounded animals—fees and sales.....	11 95	
Care of broken wagons, sleighs, &c.....	5 00	
		<u>7,754 12</u>
		<u>7,993 24</u>
Paid S. H. Mildenberg return rentals of old building...	45 00	
Paid into the City Treasury.....	7,948 24	
		<u>\$7,993 24</u>

DECEMBER 31, 1884.

Statement of Accounts Certified to Auditor During the Year 1884.

DATE.	NAME.	FOR.	AMOUNT.
Jan 4	Pay-roll	Laborers, &c.	\$5,806 98
4	"	"	204 45
4	"	"	171 62
5	John Y. Culyer	Incidental Expenses	68 68
7	William Bergen, Agent	Coal	253 75
7	Edward R. Shipman	Oats, &c.	152 50
7	"	Corn, feed and meal	88 20
7	"	Salt	52 50
12	L. Brandeis & Son	Galvanized pipe	6 66
12	Charles E. Teale & Co.	Uniforms for keepers	180 00
12	Paul C. Coffin	Hardware	30 40
12	"	"	212 76
12	"	"	29 04
12	"	"	223 50
12	"	"	25 50
12	"	"	52 00
12	William Porter's Sons	Lamps, &c.	225 05
15	C. M. Moseman & Bro.	Horse equipments	8 50
15	Metropolitan Gaslight Company	Gas	38 85
15	Brooklyn Gaslight Company	"	30 24
15	"	"	32 40
15	Henry Werner	Hickory	4 88
15	"	Chestnut posts, &c.	16 65
15	Stephen Stevenson	Soap, &c.	6 65
15	A. V. Benoit	Tracing cloth	18 10
15	Frederick Loeser & Co.	Supplies	5 00
15	Pratt Manufacturing Company	Naphtha	64 29
15	Beers & Resseguie	Lumber	140 93
15	C. M. Moseman & Bro.	Horse equipments	4 50
15	C. W. Keenan	Supplies	27 40
15	"	Oil	18 00
15	Hosford & Son	Blank books	7 00
15	"	Stationery	40 50
15	"	"	32 02
15	"	Record books, &c	47 50
15	L. Brandeis & Son	Supplies	2 40
15	Wm. Berri's Sons	Cocoa Mats	46 25
15	Watson & Pittinger	Lumber	89 90
15	Henry Werner	Locust posts, &c	3 25
15	"	"	81 00
15	W. B. Dayton & Son	Supplies	89 67
15	Balch, Price & Co.	Hats for keepers	12 00
15	A. V. Benoit	Hydrometer	8 00
15	C. M. Moseman & Bro.	Harness	7 50
15	Howell & Saxtan	Gratings	90 80
15	"	"	24 00
15	Andrew A. Smith	Office expenses	7 62
17	Pay roll	Officers and clerks	874 16
25	Edward R. Shipman	Oats, &c.	195 45
Feb. 4	Pay roll	Laborers, &c.	7,039 17
4	"	"	122 05
4	"	"	175 60

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
Feb. 8	John Y. Culyer.....	Incidental expenses.....	\$60 91
8	Wm. Bergen, Agent.....	Coal.....	404 75
8	" ".....	".....	10 50
8	Isaac Knee, Jr.....	Harness repairing, &c.....	26 25
8	Edward R. Shipman.....	Corn.....	54 00
8	".....	Oats.....	164 50
8	".....	Feed, meal, &c.....	45 40
8	".....	Oats.....	58 75
13	L. V. Plageman.....	Medical treatment for horses.....	17 00
13	William Porter's Sons.....	Lamp supplies.....	25 85
13	".....	Lanterns.....	60 00
13	The Automatic Globe Gas Co.....	Lamp globes.....	48 00
13	Pratt Manufacturing Company.....	Naphtha.....	48 26
13	C. W. Keenan.....	Glass, &c.....	19 40
13	".....	Home Light oil.....	21 25
13	".....	Strips of rubber.....	22 80
13	".....	Home Light oil, glass, &c.....	30 53
13	".....	Window glass.....	13 50
13	".....	Home Light oil.....	19 22
13	".....	Supplies.....	6 90
13	".....	".....	34 80
13	Frederick Loeser & Co.....	Towels, &c.....	12 00
13	".....	Brushes and combs.....	3 24
13	Union Steam Printing Estabmt.....	Printing.....	6 00
13	Henry Werner.....	Locust lamp posts.....	72 00
13	Hosford & Sons.....	Stationery.....	37 50
13	William Berri's Sons.....	Carpet.....	15 12
13	Hosford & Sons.....	Stationery.....	7 75
13	".....	".....	4 10
13	".....	".....	49 75
13	Wm B. Dayton & Son.....	Stove supplies.....	8 42
13	Metropolitan Gaslight Co.....	Gas.....	46 37
13	Brooklyn Gaslight Co.....	".....	32 40
13	".....	".....	27 96
13	C. W. Keenan.....	White lead, &c.....	4 55
13	A. W. Shadbolt & Son.....	Wagon supplies.....	100 00
13	L. V. Plageman.....	Med. treatment for horse.....	8 00
13	Beers & Resseguie.....	Lumber.....	199 53
13	Paul C. Coffin.....	Hardware.....	123 83
13	Watson & Pittinger.....	Lumber.....	266 73
13	John M. Bulwiukle.....	Stationery.....	3 35
13	Town of Gravesend.....	Taxes of 1883 on gravel pit.....	4 05
13	Hosford & Sons.....	Directory.....	3 00
20	Pay roll.....	Officers and clerks.....	874 16
Mar. 4	".....	Laborers, &c.....	5,240 68
4	".....	" ".....	110 40
4	".....	" ".....	316 77
4	".....	" ".....	436 65
6	John Y. Culyer.....	Incidental expenses.....	61 60
6	Wm. Bergen, Agent.....	Coal.....	307 25
7	Edward R. Shipman.....	Oats.....	152 75

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
Mar. 7	Edward R. Shipman.....	Feed, meal, &c.....	\$26 80
7	Paul C. Coffin.....	Hardware.....	119 69
7	" ".....	".....	116 59
8	Henry Werner.....	Moulding, &c.....	136 51
8	Stephen Stevenson.....	Soap.....	24 25
11	A. W. Shadbolt & Son.....	Wagon supplies and re- pairing.....	326 60
13	William Porter's Sons.....	Lamp wicks.....	2 00
13	Union Steam Printing Estabm't..	Printing.....	10 00
13	Hewey Montanies.....	Tobacco stems.....	1 00
13	C. W. Keenan.....	Home Light oil.....	19 22
13	".....	Supplies.....	13 49
13	Kenyon & Newton.....	Doors.....	5 00
13	Guiseppe Tagliabue.....	Thermometer.....	1 00
13	Pratt Manufacturing Company.....	Naphtha.....	48 17
13	Rubber Clothing Co.....	Rubber boots.....	25 67
13	Peter B. Brackin.....	Corn and carrots.....	40 00
13	Union Steam Printing Estabm't..	Printing.....	4 50
13	C. M. Moseman & Bro.....	Breeching straps.....	1 00
13	".....	Curry combs and brushes.....	18 50
13	".....	Shoe thread and leather.....	1 65
13	C. W. Keenan.....	Alcohol, &c.....	6 10
13	".....	Window glass.....	18 96
13	Hosford & Sons.....	Stationery.....	26 25
13	Metropolitan Gaslight Co.....	Gas.....	22 57
13	Henry R. Worthington.....	Brass nipples.....	3 16
13	".....	".....	1 00
13	Beers & Resseguie.....	Lumber.....	128 44
13	".....	".....	75 77
13	Howell & Saxtan.....	Repairing fence.....	20 00
13	".....	".....	67 50
13	Isaac Knee, Jr.....	Harness.....	24 00
13	Hosford & Sons.....	Stationery.....	9 00
13	".....	".....	17 00
13	Brooklyn Union Publishing Co....	Advertising for proposals.....	21 50.
13	Brooklyn Daily Eagle.....	".....	33 90
20	Pay-roll.....	Officers and clerks.....	874 16
April 3	".....	Laborers, &c.....	6,171 80
3	".....	".....	78 20
3	".....	".....	405 00
3	".....	".....	542 15
4	William Bergen, Agent.....	Coal.....	147 00
4	".....	".....	78 75
4	John Y. Culyer.....	Incidental Expenses.....	65 44
4	Paul C. Coffin.....	Hardware.....	401 69
4	".....	".....	15 50
4	".....	".....	109 21
4	Brooklyn Daily Times.....	Advertising for proposals.....	23 80
5	Edward R. Shipman.....	Oats, &c.....	195 95
5	".....	Corn.....	40 50
7	T. B. Sidebotham, Jr.....	Printing Annual Report, 1883.....	33 00

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
April 7	Henry Werner	Mouldings	\$68 95
7	"	"	28
7	"	"	35 20
7	"	Oak Posts	48 00
7	"	Mouldings	14 86
10	C. M. Moseman & Bro.	Harness	29 50
10	C. W. Keenan	Supplies	34 86
10	"	"	22 92
10	"	"	121 01
10	Automatic Globe Gaslight Co.	Automatic gas lamps	450 00
10	C. W. Keenan	Castor oil	1 00
10	Pratt Manufacturing Co.	Naphtha	47 93
10	Janes & Kirtland	Settee legs	544 60
10	Jacob G. Miner	Lamp hinges	1 80
10	Metropolitan Gaslight Co.	Gas	36 92
10	Union Steam Printing Estabmt.	Printing	26 00
11	C. W. Keenan	Supplies	8 20
11	"	"	6 00
11	John Morton & Sons	Lime, cement, &c.	2 10
11	"	"	25 90
11	C. W. Keenan	Home Light oil	9 32
11	"	Supplies	2 65
11	Hosford & Sons	Stationery	11 50
11	"	"	10 20
11	Wm. Porter's Sons	Lamp chimneys	2 00
11	Janes & Kirtland	Settee legs	312 20
11	John Gallagher & Bro.	Carriage hire	26 00
11	Brooklyn Freie Presse	Advertising for proposals	20 40
19	Pay roll	Officers and clerks	874 16
May 5	"	Laborers, &c.	9,800 44
5	"	"	156 65
5	"	"	666 67
5	"	"	1,179 27
5	John Y. Culyer	Incidental expenses	74 17
5	Vanderbilt Bros' Nephew	Grass and clover seed	291 60
5	William Bergen	Coal	230 50
7	Louis D. Beck	Gravel	2,007 52
8	C. E. Sandford	Watchman's register	50 00
8	Edward R. Shipman	Feed and meal	24 40
8	"	Oats, &c.	202 00
8	Henry Werner	Door and sash	5 75
8	"	Mouldings, &c.	12 00
8	H. Hawkes	Plumbings, &c., "Litchfield Mansion"	696 10
8	Henry Werner	Balusters	21 65
8	"	Pine Slats	100 00
8	"	Oak	4 00
8	L. V. Plageman	Attending sick horses	33 00
8	Paul C. Coffin	Hardware	182 08
8	"	"	31 20
8	Henry R. Worthington	Overhauling, &c., engine at well	640 27

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
May 8	Gillis & Geoghegan	Steam heating apparatus.	\$1,125 00
8	Smith Brothers	Boiler at Park well.	1,450 00
10	A. W. Shadbolt & Son	Wagon supplies.	18 75
10	Brooklyn Gaslight Company	Gas.	97 44
10	"	"	97 16
10	Metropolitan Gaslight Company	"	33 08
10	Howell & Saxtan	Park well supplies	81 12
10	Kendall Towne	Horseshoeing	2 50
10	L. H. Smith	Moving safe	18 00
10	Frederick Loeser & Co.	Supplies	7 52
10	John Morton & Son	Brick and cement	6 00
10	"	"	26 50
10	Union Steam Printing Estabm't.	Printing	13 00
10	Beers & Resseguie	Lumber	63 08
10	"	"	466 11
10	L. Brandeis & Son	Lead pipe	1 16
10	C. W. Keenan	Home Light Oil.	9 67
10	"	Paints, oils, &c.	60 75
10	"	"	112 34
10	"	Supplies	8 65
10	"	"	9 90
10	"	Paints, &c.	1 25
10	"	"	21 60
10	"	Supplies	1 00
10	"	"	4 80
10	"	"	3 60
10	"	"	13 10
10	"	Brushes	3 60
10	"	Whiting, &c.	22 00
10	"	Supplies	21 20
10	"	"	3 75
10	Hosford & Sons	Stationery	61 80
10	"	Ledger	7 50
10	Union Steam Printing Estabm't.	Printing	17 50
10	Kenyon & Newton	Sash	2 50
10	Wm. Wall's Sons	Marline	11 56
10	C. M. Moseman & Bro	Rubber horse cover	5 00
10	"	Stirrup leather, &c.	16 00
10	Pratt Manufacturing Co.	Naphtha	51 71
10	"	"	51 92
10	Balch, Price & Co	Police officers' hat	4 00
10	Jacob G. Miner	Globes, Domes	56 50
10	Stephen Stevenson	Soap	6 25
10	A. V. Benoit	Drawing materials	11 20
10	C. W. Keenan	Paints, oils, &c	26 73
10	Henry Werner	Chestnut posts, &c.	41 40
10	Watson & Pittenger	Lumber	59 75
10	"	"	68 64
20	Payroll	Officers and clerks	874 16
June 4	"	Laborers, &c.	15,555 20
4	"	"	399 70
4	"	"	2,598 40

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
June 6	John Y. Cuyler.....	Incidental expenses....	\$78 19
6	William Bergen, Agent.....	Coal.....	214 95
6	".....	".....	20 40
6	Louis D. Beck.....	Gravel.....	2,342 72
6	".....	".....	337 85
6	Cowperthwait Company.....	Office furniture, &c.....	412 00
6	Vanderbilt Bros'. Nephew.....	Agricultural Implements.....	79 50
9	Dr. Jerome Walker.....	Medical services.....	25 00
9	Davis & Fitzgerald.....	Binding Book of Accounts.....	16 50
9	Whitehouse & Wells.....	Glass.....	90 00
9	Edward R. Shipman.....	Burlap bags.....	13 00
9	".....	Corn.....	2 80
9	".....	Oats, feed, &c.....	174 85
12	Paul C. Coffin.....	Hardware.....	428 14
12	C. W. Keenan.....	Aqua fortis.....	3 50
12	".....	White lead, &c.....	15 05
12	".....	Supplies.....	21 90
12	".....	Whiting.....	21 72
12	".....	White lead and paints.....	77 35
12	".....	Supplies.....	32 70
11	".....	Whiting.....	23 35
12	C. M. Moseman & Bro.....	Wagon harness.....	130 00
12	Henry Werner.....	Pine plugs.....	9 00
12	".....	Hickory truck poles.....	6 00
12	".....	Oak bars.....	23 50
12	Hosford & Sons.....	Stationery.....	15 90
12	L. Brandeis & Son.....	Plumbing supplies.....	48 06
12	E. I. Horsman.....	Tennis markers.....	8 00
12	Pratt Manufacturing Co.....	Naphtha.....	51 61
12	Wm. Wall's Sons.....	Cotton, oakum, &c.....	13 90
12	".....	Rope, bunting, &c.....	166 87
12	Peck & Snyder.....	Stop nets.....	20 00
12	Rubber Clothing Co.....	Hose.....	50 00
12	A. V. Benoit.....	Linen tapes.....	7 50
12	Beers & Resseguie.....	Lumber.....	302 30
12	Frank J. Cole.....	Collars and gloves for keepers.....	34 88
12	Union Steam Printing Estabm't.....	Printing.....	13 50
12	Isaac Knee, Jr.....	Repairing harness, &c.....	27 75
12	Michael Pierce.....	Use of roadways.....	25 00
12	Thomas McCann.....	Cement pipe.....	30 00
12	Pratt Brothers.....	Trees.....	252 75
12	C. M. Moseman & Bro.....	Harness.....	57 50
13	".....	".....	17 50
13	C. W. Keenan.....	Paints, oils, &c.....	53 26
13	Hosford & Sons.....	Stationery.....	2 00
13	".....	Inkstand.....	1 25
13	Peter B. Bracken.....	Bay horse.....	300 00
13	W. & J. Sloane.....	Carpets.....	290 57
13	National Meter Co.....	Meter supplies.....	1 90
13	".....	".....	1 95
13	Mica Roofing Co.....	Tar.....	9 00

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
June 13	Cornelius Winant.....	Flagstaff.....	\$50 00
13	Kenyon & Newton.....	Sash and doors.....	7 50
13	W. B. Dayton & Son.....	Range supplies.....	3 85
13	Hosford & Sons.....	Stationery.....	7 75
13	".....	Pins.....	2 40
13	C. W. Keenan.....	Paints, &c.....	31 45
13	L. V. Plageman.....	Attendance on sick horses.....	12 00
13	Carr & Hobson.....	Lawn Mower.....	9 50
13	Frederick Loeser & Co.....	Supplies.....	11 75
13	W. B. Dayton.....	".....	10 23
13	Union Steam Printing Estabm't.	Printing.....	9 50
13	Thomas McCann.....	Gravel.....	479 75
13	Frederick Loeser & Co.....	Supplies.....	6 00
13	Howell & Saxtan.....	".....	328 18
13	James G. Pollard.....	Large roller and supplies.....	35 00
13	L. Brandeis & Son.....	Repairing picks.....	8 85
13	Brooklyn Gaslight Company.....	Iron pipe.....	35 00
13	".....	Gas.....	28 56
13	Metropolitan Gaslight Company.....	".....	28 35
13	S. Henderson & Son.....	".....	7 50
13	Andrew A. Smith.....	Office expenses.....	8 48
13	Hosford & Sons.....	Inkstands.....	90
13	Pay-roll.....	Laborers.....	827 85
13	L. Conterno.....	Music, first concert.....	160 00
13	Watson & Pittinger.....	Lumber.....	982 40
23	Pay-roll.....	Officers and clerks.....	874 16
24	L. Conterno.....	Music, second concert.....	160 00
24	".....	" third concert.....	160 00
July 1	".....	" fourth concert.....	160 00
3	Thomas McCann.....	Gravel.....	1,128 00
3	Pay-roll.....	Laborers, &c.....	8,636 45
3	".....	".....	132 45
3	".....	".....	622 35
3	".....	".....	2,032 94
3	J. P. Cranford.....	Balance due on contract.....	617 04
3	William Bergen, Agent.....	Coal.....	127 50
3	".....	".....	102 00
3	John Y. Culyer.....	Incidental expenses.....	69 08
3	Isaac Harris.....	Hauling gravel.....	1,025 88
3	".....	".....	1,692 00
5	John Gallagher & Bro.....	Carriage hire.....	47 50
7	Louis D. Beck.....	Roa Hook gravel.....	975 85
9	Vanderbilt Bros' Nephew.....	Agricultural implements.....	7 10
9	Fred. Stone & Co.....	Sleeves for hydrants.....	1 40
9	C. M. Moseman & Bro.....	Harness supplies.....	1 50
9	C. W. Keenan.....	Home Light oil.....	7 50
9	".....	Supplies.....	24 97
9	".....	Home Light oil.....	14 19
9	".....	Matches.....	3 90
9	".....	Supplies.....	39 33
9	Beers & Resseguie.....	Lumber.....	9 00
9	Edward R. Shipman.....	Salt and meal.....	13 90

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
July 9	Edward R. Shipman	Oats, feed &c.	\$87 20
9	"	"	104 10
9	Union Steam Printing Estabm't.	Printing	14 50
9	Watson & Pittinger	Lumber	35 87
9	Janes & Kirtland	Vases and pedestals	280 00
9	Mica Roofing Co.	Felt	4 30
9	William Porter's Sons	Lamp supplies	12 00
9	Pratt Manufacturing Co.	Naphtha	51 03
9	"	"	51 77
9	L. Brandeis & Son	Castings for urinals	49 50
9	"	Plumbing	7 20
9	Paul C. Coffin	Hardware	162 61
9	C. A. Brandt	Repairing flags	15 00
9	Metropolitan Gaslight Co.	Gas	28 52
9	Isaac Knee, Jr.	Repairing harness, &c	69 50
9	Brooklyn Gaslight Co.	Gas	27 86
9	"	"	41 44
9	Frederick Loeser & Co.	Combs	1 08
9	Brooklyn Daily Eagle	Printing	5 25
9	"	"	13 75
9	Hosford & Sons	Stationery	4 97
9	C. M. Moseman & Bro.	Harness	75
9	N. Y. Deodorizing Co.	Disinfectants	36 00
9	Dennis Wheeler	Unloading gravel, &c	105 75
8	George Elford & Son	Making shades, &c	15 50
9	L. Conterno	Music, 5th concert	160 00
9	"	" 6th "	160 00
16	"	" 7th "	160 00
22	Pay roll	Officers and clerks	874 16
24	L. Conterno	Music, 8th concert	160 00
Aug. 5	"	" 9th "	160 00
5	"	" 10th "	160 00
5	Pay roll	Laborers, &c.	4,715 93
5	"	"	287 50
5	"	"	1,847 48
7	William Bergen, Agent	Coal	198 90
7	"	"	30 60
7	John Y. Culyer	Incidental expenses	60 12
7	John M. Bulwinkle	Stationery	1 05
7	L. K. Strouse & Co.	Criminal and penal code	6 50
7	"	Session laws, 1884	2 00
7	Louis D. Beck	Roa Hook gravel	1,822 65
7	Dennis Wheeler	Unloading gravel	208 17
7	Edward R. Shipman	Oats, feed and meal	68 25
7	"	Oats and corn	94 13
7	L. Conterno	Music	80 00
7	Beers & Resseguie	Lumber	7 80
12	Metropolitan Gas Light Co	Gas	26 95
12	National Meter Co.	Repairs to meter	1 10
12	Smith Bros.	" steam roller	217 18
12	Paul C. Coffin	Hardware	141 94
12	John Davis	Repairing boilerhouse, &c.	52 00

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
Aug. 12	A. W. Shadbolt & Son.....	Wagon supplies	\$44 20
12	Knickerbocker Ice Co.....	Ice for park offices	2 80
12	Bernard Fines.....	Repairing picks, &c.....	42 82
12	".....	".....	8 66
12	C. M. Moseman & Bro.....	Harness.....	1 00
12	".....	Chamois.....	1 50
12	".....	".....	1 50
12	Brooklyn Gas Light Co.....	Gas.....	25 06
12	".....	".....	36 12
12	Union Steam Printing Estabm't.	Printing.....	4 50
12	".....	".....	10 00
12	".....	".....	6 00
12	Prospect Park & C. I. R. R. Co.	Railroad tickets.....	50 00
12	".....	".....	50 00
12	Wm. Wall's Sons.....	Marline.....	6 76
12	Pratt Manufacturing Co.....	Naphtha.....	51 77
12	Watson & Pittinger.....	Lumber.....	8 55
12	John Morton & Sons.....	Lime and Cement.....	4 65
12	Hosford & Sons.....	Stationery.....	3 25
12	".....	".....	3 75
12	".....	".....	18 70
12	C. W. Keenan.....	Castile soap, &c.....	1 35
12	".....	Whiting.....	7 31
12	".....	Supplies.....	29 49
12	".....	Home Light oil.....	13 90
12	".....	Signal oil, &c.....	53 98
12	".....	Castor oil and whiting.....	28 35
12	".....	Whiting and oil.....	21 73
12	Brooklyn Improvement Co.....	Dockage.....	120 00
12	W. B. Davis.....	Repairs to wagon.....	22 50
19	Pay roll.....	Officers and clerks.....	874 16
20	L. Conterno.....	Music, 11th concert.....	160 00
27	".....	" 12th ".....	160 00
Sept. 4	Pay roll.....	Laborers, &c.....	6,116 34
4	".....	".....	112 05
4	".....	".....	728 64
4	William Bergen, Agent.....	Coal.....	153 00
4	".....	".....	35 70
4	John Y. Culyer.....	Incidental expenses.....	65 69
9	Edward R. Shipman.....	Oats, &c.....	108 38
9	".....	Oatmeal.....	7 50
9	".....	Oats, Corn, &c.....	104 63
9	R. B. Loomis.....	Automatic lubricator.....	22 50
9	L. Conterno.....	Music, 13th concert.....	160 00
10	Dennis Wheeler.....	Unloading scows, &c.....	50 24
11	Charles Winterwerb.....	Repairing buggy.....	26 75
13	L. V. Plageman.....	Medical attendance for horses.....	11 00
22	Stephen Stevenson.....	Soap.....	6 25
22	Union Steam Printing Estabm't.	Printing.....	2 50
22	Payroll.....	Officers and clerks.....	874 16
30	Paul C. Coffin.....	Hardware.....	1 80

Statement of Accounts certified to Auditor—Continued.

DATE.	NAME.	FOR.	AMOUNT.
Sept. 30	Doane & Wellington	Automatic burners	\$30 00
30	C. W. Keenan	Home Light oil	7 30
30	"	Whiting	34 83
30	"	Lubricating oil	19 50
30	"	Oil for machinery	79 10
30	Hosford & Sons	Stationery	5 75
30	"	"	16 75
30	C. M. Moseman & Bro	Harness	3 00
30	L. Brandies & Son	Plumbing materials	2 25
30	William H. Douglass	Drugs	2 50
30	Prospect Park & C. I. R. R. Co.	Railroad ticket	50 00
30	Pratt Manufacturing Co.	Naphtha	44 46
30	Metropolitan Gaslight Co.	Gas	28 35
30	Brooklyn Gaslight Co.	"	29 26
30	"	"	23 52
30	Frank J. Cole	Gloves for keepers	10 50
30	E. H. Wells	Drugs	9 20
30	C. W. Keenan	Paints, &c.	23 50
30	Brooklyn Improvement Co.	Dockage	40 00
30	C. W. Keenan	Supplies	15 50
30	Hosford & Sons	Stationery	4 85
30	Brooklyn, F.P.M.'s & C. I. R. R. Co.	Railroad tickets	50 00
Oct. 4	Peter B. Bracken	Repairing harness	5 30
4	Payroll	Laborers, &c.	869 17
4	"	"	835 17
4	"	"	432 22
6	William Bergen, Agent	Coal	137 70
7	John Y. Culyer	Incidental expenses	52 32
7	The Brooklyn Improvement Co.	Dockage	10 00
7	Union Steam Printing Estabm't	Printing	4 50
7	Hosford & Sons	Stationery	1 75
7	Metropolitan Gas Light Co.	Gas	29 22
7	Brooklyn Gas Light Co.	"	36 96
7	"	"	29 96
7	Coney Island Gas, Fuel & L. Co.	"	118 00
7	"	"	117 00
7	Paul C. Coffin	Hardware	48 50
7	C. W. Keenan	Whiting	22 13
7	"	Glaziers' point	60
7	"	Home Light oil	14 40
7	A. W. Shadbolt & Son	Wagon repairs, &c.	101 67
7	Isaac Knee	Repairing harness	54 25
7	L. Brandeis & Son	Fountain supplies	3 60
7	Edward R. Shipman	Oats, &c.	81 13
8	"	Corn, meal, &c.	46 60
18	"	Oats	76 88
Nov. 7	Pay roll	Officers and clerks	874 16
7	Wm. H. Douglas	Drugs	6 75
7	C. W. Keenan	Kerosene oil	13 95
7	"	Home Light oil, &c.	16 95
7	"	Paint brushes, &c.	7 40
7	A. V. Benoit	Drawing materials	15 00

Statement of Accounts certified to Auditor—Concluded.

DATE.	NAME.	FOR.	AMOUNT.
Nov. 7	Edward R. Shipman	Oats, &c.	\$94 93
7	Union Steam Printing Estabm't	Printing	5 00
7	"	"	6 00
7	Metropolitan Gaslight Company	Gas	31 68
7	C. M. Moseman & Bro.	Chamois and brush	2 50
7	"	Chamois	75
7	William Porter's Sons	Lamp supplies	15 70
7	W. B. Dayton & Son	Grate to heater	2 50
7	Peter Bracken	Horseshoeing	34 91
7	Coney Island Fuel, Gas & Light Co.	Gas	117 00
7	Brooklyn Gaslight Company	"	33 32
7	"	"	36 26
7	W. B. Davis	Repairing wagons, &c.	2 25
7	John A. Scollay	Rep'ng green house boiler	47 00
7	Edward R. Shipman	Oats	23 75
7	William Bergen, Agent	Coal	116 45
7	"	"	52 25
7	Newcomb & Co	Hats for keepers	9 75
7	John Y. Culyer	Incidental expenses	57 32
Dec. 5	"	"	47 67
5	Smith Brothers	Repairs to machinery	93 10
5	Brooklyn, Flatb'h & C. I. R.R. Co.	Railroad tickets	50 00
5	Manning, Maxwell & Moore	Steam gauges	48 00
5	Pratt Manufacturing Company	Naphtha	36 24
5	Brooklyn Gaslight Company	Gas	21 00
5	Edward R. Shipman	Oats	71 25
5	William Bergen, Agent	Coal	224 40
5	John Gallagher & Bro	Carriage hire	23 00
5	L. V. Plageman	Attendance on sick horses	17 00
5	Cole & Co	Well boiler supplies	8 60
5	Felix Campbell	Iron pipe	40
5	L. Brandeis & Son	Well supplies	2 50
5	C. W. Keenan	Matches	5 20
5	C. M. Moseman & Bro	Harness	3 50
5	"	"	7 50
5	Williamsburgh City Fire Ins. Co.	Insurance	176 96
5	Andrew A. Smith	Office expenses	7 37
	Total		\$138,104 42

Names of men of all grades employed through the year 1884. Of these about 125, including the keepers, constitute our regular force. Of the remainder some 300 men were employed temporarily, as is indicated in the following statement for work, at special seasons, such as preparing roads, general cleaning, ice work, cleaning snow, &c.; these were employed for moderate periods of time, as necessity required, and were discharged as soon as the work was accomplished.

NAME.	RESIDENCE.	WARD.	TIME EMPLOYED.	RATE OF PAY.	LENGTH OF SERVICE.
William H. Spear.....	126 Lincoln place.....	22	12 months.	\$157 50 per month.....	17 years
John Maguire.....	Underhill avenue.....	9	2,854 hours.	45c. and 50c. per hour.....	18 "
Harvey T. Davis.....	483 Flatbush avenue.....	9	2,795 "	40c. and 45c. ".....	18 "
Patrick Conway.....	Eleventh avenue and Sixteenth st.....	22	3,260 "	\$17 per week.....	18 "
Michael McLachlan.....	241 Tenth street.....	22	2,991 "	30c. per hour.....	17 "
John E. Curtin.....	810 Classon avenue.....	16	549 "	45c. and 50c. per hour.....	17 "
John E. Curtin.....	810 Classon avenue.....	16	346 "	45c. and 50c. ".....	17 "
William Moran.....	658 Grand avenue.....	9	3 350 "	20c. per hour.....	17 "
Joseph Quevedo.....	Flatbush.....		2 798 "	20c. and 30c. per hour.....	17 "
John Crumley.....	Prospect place.....	9	3,425 "	20c. and \$15 per week.....	17 "
Thomas Brady.....	161 Huntingdon street.....	12	2,658 "	17½c. and 20c. per hour.....	17 "
John McGraw.....	Flatbush.....		3,156 "	17½c. and 20c. ".....	17 "
Patrick Wal-h.....	Washington avenue.....	9	3,629 "	17½c. and 20c. ".....	17 "
Valentine Cox.....	Flatbush.....		2 632 "	15c. per hour.....	17 "
Charles E. Hunt.....	Flatbush.....		613 "	17½c. ".....	17 "
William Flaherty.....	491 Warren street.....	10	2,955 "	15c. ".....	17 "
Thomas Pinsley.....	424 Warren street.....	10	3,359 "	15c. ".....	17 "
Michael Kenniff.....	54 Underhill avenue.....	9	3,789 "	15c. ".....	17 "
Michael Moran.....	140 North Oxford street.....	20	3,293 "	37½c. and 40c. per hour.....	17 "
Samuel A. Dunn.....	301 Fifteenth street.....	22	2,120 "	30c., 32½ and 35c. ".....	17 "
David W. Thompson.....	Bergen street.....	9	3,480 "	17½c. per hour.....	17 "
James M. Tobin.....	617 Carlton avenue.....	9	3,000 "	17½c. ".....	17 "

Names of men of all grades employed through the year 1884.—Continued.

NAME.	RESIDENCE.	WARD.	TIME EMPLOYED.	RATE OF PAY.	LENGTH OF SERVICE.
James Faye.....	819 Dean street.....	9	4,089 hours.	30c. per hour.....	17 years
James Finsley..	424 Warren street.....	10	3,257 "	15c. ".....	17 "
Michael Monohan.....	614 Grand avenue.....	9	3,445 "	15c. ".....	17 "
George Weigner.....	558 Sixth avenue.....	22	2,081 "	15c. ".....	17 "
William Edwards.....	468 Sixteenth street.....	22	325 d. 5h.	\$17 per week.....	17 "
Herman Schmitt.....	98 Hall street.....	20	336 days.	\$15 ".....	17 "
Benjamin F. Powell.....	8 Tenth avenue.....	22	301 "	\$15 ".....	17 "
Michael McLaughlin.....	Bedford avenue.....	24	281 d. 3 h.	\$15 ".....	17 "
John O'Reilly.....	553 Vanderbilt avenue.....	9	303 days.	\$15 ".....	17 "
Lawrence Hayes.....	346 Twenty-second street.....	8	296 d. 2 h.	\$15 ".....	17 "
George Byrne.....	Prospect place.....	9	2,891 hours.	20c. and 22½c. per hour.....	16 "
William Moscrop.....	Flatbush avenue.....	9	2,372 "	17½c. and 20c. ".....	16 "
Philip McManus.....	200 Butler street.....	10	3,167 "	17½c. and 20c. ".....	16 "
Samuel Rogers.....	357 De Kalb avenue.....	21	2,388 "	15c. per hour.....	16 "
James Furey.....	Bolivar street.....	11	1,686 "	15c. ".....	16 "
Miles Sweeney.....	211 Livingston street.....	3	3,312 "	30c. ".....	16 "
Robert Ayres.....	507 Fifth avenue.....	22	2,600 "	30c., 32½c., and 35c. per hour.....	16 "
John Hamilton.....	98 Hall street.....	7	2,310 "	30c. per hour.....	16 "
William T. Travis.....	Flatbush.....	.....	3,272 "	30c. and 35c. per hour.....	16 "
William Watson.....	669 Bergen street.....	9	3,066 "	15c. per hour.....	16 "
Michael Donnelly.....	275 Myrtle avenue.....	11	306 days.	\$15 per week.....	16 "
Charles Rogers.....	357 De Kalb avenue.....	7	285 "	\$15 ".....	16 "
Hugh Kelly.....	90 North Sixth street.....	14	308 "	\$15 ".....	16 "
Peter Brackin.....	556 Fifteenth street.....	22	1,033 hours.	45c. and 50c. per hour.....	15 "
Peter Brackin.....	556 Fifteenth street.....	22	752 "	50c. per hour.....	15 "
Peter Brackin.....	556 Fifteenth street.....	22	628 "	50c. ".....	15 "
Richard Stillwell.....	Flatbush.....	.....	297 hours.	\$15 per week.....	15 "
John Goodwin.....	383 Thirteenth street.....	22	200 "	\$15 ".....	15 "
David Maxwell.....	Sixteenth street and Eleventh ave.....	22	280 d. 1 h.	\$15 ".....	15 "

John Braasch	403 Prospect avenue	22	337 days	\$17	"	15	"
Daniel Hynes	Fifteenth street and Eleventh ave.	22	1,749 hours	15c.	per hour	15	"
Michael Farrell	290½ Eleventh street	22	2,519	"	17c. and 20c.	per hour	14
Patrick Hartigan	Classon avenue	9	3,414	"	15c.	per hour	14
Thomas Cullen	1148 Park place	24	2,907	"	15c.	"	14
Hugh McGuire	Braxton street	22	1,903	"	15c.	"	14
Edward J. Kenney	105½ Rogers avenue	24	317 dys, 4 h.	\$17	per week	13	"
Patrick Byrnes (1)	256 Sixteenth street	22	298 days	\$15	"	13	"
Patrick Byrnes (2)	123 Eagle street	17	298	"	\$15	"	13
William Wilson	252 Sixteenth street	22	247	"	\$15	"	13
William Ring	357 Prospect avenue	22	303	"	\$15	"	13
James Anderson	Seventeenth street and Fifth ave.	8	2,570 hours	20c.	and 25c.	per hour	12
James Cassidy	216 Sixteenth street	22	336 days	\$15	per week	12	"
John H. Lozier	655 De Kalb avenue	23	209	"	\$15	"	12
Timothy Gillooly	Flatbush	12	755 hours	15c.	per hour	12	"
John Crine	7 Dennett place	12	2,270	"	15c.	"	12
Patrick Wallace	690 Atlantic avenue	9	2,854	"	15c.	"	12
John Hickey	Underhill avenue	9	2,943	"	15c.	"	12
Isaac Harris	Flatbush avenue	9	1,719	"	45c.	and 50c.	per hour
Isaac Harris	Flatbush avenue	9	1,589	"	45c.	and 50c.	"
Isaac Harris	Flatbush avenue	9	1,497	"	45c.	and 50c.	"
Isaac Harris	Flatbush avenue	9	1,423	"	45c.	and 50c.	"
Willet Hicks	350 Seventeenth street	8	1,058	"	15c.	per hour	11
Wm. R. Dickinson	3 Weirfield street	18	2,648	"	25c.	and 30c.	per hour
David C. Thomson	57 St. Johns place	22	1,830	"	25c.	and 30c.	"
James Pinkerton	753 Washington avenue	9	288 days	\$11	per week—6 days	10	"
John Kildea	676 Bergen street	9	3,156	"	15c.	and 17½c.	per hour
Maurice Condon	232 Sixteenth street	22	1,594	"	30c.	per hour	10
Michael Smith	681 Bergen street	9	303	"	\$15	per week	10
Daniel Calnan	221 Bridge street	5	330	"	\$15	"	10
Ann Hosey	Franklin avenue	9	141	"	10c.	per hour	9
Peter Brackin	556 Sixteenth street	22	521	"	30c.	"	9
Peter Brackin	556 Sixteenth street	22	564	"	30c.	"	9
Henry J. Farquhar	Monroe street	23	2,648	"	40c.	"	9
John D. Llyod	Douglas street	9	3,080	"	\$15	per week	9
John R. Green	660 Baltic street	8	858	"	30c.	per hour	8
Christopher Weldon	Carroll street	6	610	"	30c.	"	8
John Casserly	228 Park place	9	2,761	"	17½c.	and 20c.	per hour

Names of men of all grades employed through the year 1884.—Continued.

NAME.	RESIDENCE.	WARD.	TIME EMPLOYED.	RATE OF PAY.	LENGTH OF SERVICE.
James Jennings.....	552 Fifteenth street.....	22	3,249 hours.	15c. per hour.....	7 years
George H. Bilton.....	Flatbush avenue.....	9	2,660 "	15c. ".....	7 "
Thomas Kelly.....	601 Washington avenue.....	9	3,130 "	15c. ".....	7 "
James Cloonan.....	290 Eleventh street.....	22	2,942 "	15c. ".....	7 "
James Keegan.....	Coney Island.....		346 "	15c. ".....	7 "
Robert Fleming.....	Flatbush.....		3,132 "	15c. ".....	7 "
Thomas Hartigan.....	657 Douglass st.....	9	3,490 "	15c. ".....	7 "
Patrick Kelly.....	Prospect place.....	9	2,477 "	15c. ".....	7 "
John Gill.....	670 Douglass street.....	9	2,803 "	15c. ".....	7 "
Patrick Gaffney.....	704 Court street.....	12	389 "	15c. ".....	7 "
Adolph Silbie.....	519 Fifth avenue.....	22	2,960 "	30c. ".....	7 "
Theodore Greene.....	660 Baltic street.....	22	963 "	25c. ".....	7 "
Philip Rosmarin.....	Flatbush.....		2,730 "	25c. and 30c. per hour.....	6 "
Mary Kennington.....	505 Prospect avenue.....	8	484 "	30c. per hour.....	6 "
Thomas O'Hara.....	603 Sixteenth street.....	22	3,965 "	15c. ".....	6 "
James Ogilvie.....	Sixteenth street and Eleventh av.....	22	3,179 "	15c. per hour.....	6 "
Patrick Phillips.....	380 Seventeenth street.....	8	2,893 "	15c. ".....	6 "
John Quinn.....	307 Hudson avenue.....	5	1,833 "	15c. ".....	6 "
Ellen Condon.....	Underhill avenue.....	9	3,660 "	10c. ".....	6 "
Lizzie Palin.....	530 Fifteenth street.....	22	3,660 "	10c. ".....	6 "
William Taylor.....	Degraw street.....	6	2,880 "	17½c. ".....	5 "
Frank Draher.....	390 Fourteenth street.....	22	3,342 "	15c. and 20c. per hour.....	5 "
John Palin.....	530 Fifteenth street.....	22	617 "	15c. per hour.....	5 "
Dennis Murphy.....	603 Sixteenth street.....	22	1,658 "	15c. ".....	5 "
Frank Fox.....	897 Pacific street.....	9	613 "	15c. ".....	5 "
Patrick Fitzgerald.....	Bergen street.....	9	3,660 "	5c. ".....	5 "
John Brackin.....	Fifteenth street and Eleventh av.....	22	3,680 "	20c. ".....	5 "
George Mason.....	Sixth avenue.....	22	135 "	20c. ".....	5 "
Jane Manney.....	65 Lawrence street.....	11	3,660 "	10c. ".....	5 "

William Savage	Park place	9	773	"	15c. and 20c. per hour	4	"
Robert Wallace	Bridge street	5	1,340	"	10c. "	4	"
Michael Morrissey	295 Twentieth street	8	2,980	"	\$15 per week	4	"
James Ennis	11 Fourth street	10	2,950	"	\$15 "	4	"
William H. Wilson	154 Twenty-first street	8	3,000	"	\$15 "	4	"
Michael Gregory	104 Douglass street	10	3,510	"	\$15 "	4	"
John Kessler	103 Palmett street	18	3,002	"	\$15 "	4	"
William H. C. Brown	242 South-third street	14	3,010	"	\$15 "	4	"
Charles T. Monck	503 Graham avenue	17	2,990	"	\$15 "	4	"
Patrick Kenna	847 Pacific street	9	2,926	"	\$15 "	4	"
Mary McGunnigan	Sixteenth street and Eleventh av.	22	1,275	"	10c. per hour	3	"
William Quinn	Fifteenth street	22	2,972	"	15c. "	3	"
Thomas Quinn	Fifteenth street	22	3,411	"	15c. "	3	"
John Halloran	President street	9	1,819	"	15c. "	3	"
Isaac Harris	Flatbush avenue	9	1,055	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	998	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	885	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	866	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	795	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	739	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	600	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	388	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	270	"	50c. "	2	"
Isaac Harris	Flatbush avenue	9	30	"	50c. "	2	"
Peter Brackin	556 Fifteenth street	22	516	"	50c. "	2	"
Peter Brackin	556 Fifteenth street	22	360	"	50c. "	2	"
Peter Brackin	556 Fifteenth street	22	376	"	50c. "	2	"
John E. Curtin	810 Clason avenue	16	250	"	50c. "	2	"
John Corcoran	59 Sackett street	6	1,458	"	20c. and 17½c. per hour	2	"
Charles Trimmel	890 Atlantic avenue	9	460	"	10c. per hour	2	"
Peter Dugan	Sixteenth street and Eleventh av.	22	2,603	"	15c. "	2	"
James Riley	715 Prospect place	9	2,492	"	15c. and 17½c. per hour	2	"
James Callahan	Flatbush		3,041	"	15c. per hour	2	"
Walter Magee	240 North-second street	14	1,352	"	15c. "	2	"
James Rickard	668 Douglass street	9	2,128	"	15c. "	2	"
James Hennessy	29 Second street	6	2,343	"	15c. "	2	"
Frank McGovern	140 Flatbush avenue	22	2,481	"	15c. "	2	"

Names of men of all grades employed through the year 1884.—Continued.

NAME.	RESIDENCE.	WARD.	TIME EMPLOYED.	RATE OF PAY.	LENGTH OF SERVICE.
Thomas Conoughton	704 Washington avenue.....	9	469 hours.	15c. per hour.....	2 years
John Delahanty.....	253 Hamilton avenue.....	12	1,066 "	15c. ".....	2 "
Peter Dunn.....	117 Underhill avenue.....	9	738 "	15c. ".....	2 "
Patrick McGuire.....	270 Wyckoff street.....	10	658 "	15c. ".....	2 "
James Moran.....	985 Gates avenue.....	23	592 "	15c. ".....	2 "
Edward Gilger.....	110 Rapelyea street.....	6	347 "	15c. ".....	2 "
John Donovan.....	Thirteenth street and Eighth av.....	22	441 "	15c. ".....	2 "
Henry Gordon.....	619 Classon avenue.....	9	250 "	15c. ".....	2 "
Charles Kinsey.....	521 Fifth avenue.....	22	1,309 "	30c. ".....	2 "
George Ayres.....	507 Fifth avenue.....	22	1,527 "	25c. ".....	2 "
Charles Fowler.....	252 Sumner avenue.....	23	451 "	30c. ".....	2 "
William Le Count.....	594 Sixth avenue.....	22	711 "	30c. ".....	2 "
James W. Buckley.....	218 Sixt enth street.....	22	3,360 "	\$15 and \$12 per week.....	2 "
Mary Murray.....	91 Sackett street.....	6	3,660 "	5c. per hour.....	2 "
Ernest Kasold.....	Eighth street and Third av.....		730 "	30c. ".....	1 "
Peter Brackin.....	556 Fifteenth street.....	22	259 "	50c. ".....	1 "
Peter Brackin.....	556 Fifteenth street.....	22	183 "	50c. ".....	1 "
Peter Brackin.....	556 Fifteenth street.....	22	187 "	50c. ".....	1 "
Peter Brackin.....	556 Fifteenth street.....	22	277 "	50c. ".....	1 "
Peter Dolan.....	Prospect place.....	9	607 "	45c. and 50c. per hour.....	1 "
Louis Smith.....	Park avenue.....	5	40 "	\$1.00 and 50c. per hour.....	1 "
Michael Dalton.....	Twenty-second street.....	8	290 "	60c. per hour.....	1 "
Thomas McCann.....	853 Douglass street.....	9	400 "	30c. ".....	1 "
Daniel O'Sullivan.....	128 William street.....	12	415 "	17½c. ".....	1 "
Ralph Van Brunt.....	467 Third avenue.....	22	200 "	17½c. ".....	1 "
Bernard Mathews.....	50 Underhill avenue.....	9	3,350 "	10c. ".....	1 "
Edward Horan.....	Herkimer street.....	23	2,507 "	15c. ".....	1 "
John Givany.....	Flatbush avenue.....	9	17 "	15c. ".....	1 "
John Keegan.....	Underhill avenue.....	9	72 "	15c. ".....	1 "

Thomas Byrnes	Warren street	9	411	"	15c.	"	1	"
William O'Hara	420 DeKalb avenue	7	23	"	15c.	"	1	"
James Maxwell	809 Washington avenue	9	23	"	15c.	"	1	"
William Hynes	1729 Dean street	9	6	"	15c.	"	1	"
Wallace Wilson	244 Park place	9	17	"	15c.	"	1	"
Thomas Higgins	Washington avenue	9	73	"	15c.	"	1	"
Andrew Cassidy	59 Underhill avenue	20	18	"	15c.	"	1	"
John Trainor	642 Grand avenue	9	16	"	15c.	"	1	"
Andrew Mann	674 Butler street	9	11	"	15c.	"	1	"
John Goodwin	173 Prospect avenue	8	25	"	15c.	"	1	"
Matthew Tierney	Washington avenue	9	85	"	15c.	"	1	"
Charles Brady	Flatbush		62	"	15c.	"	1	"
James Finsley	575 Waverly avenue	7	80	"	15c.	"	1	"
Michael Wilson	Washington avenue	9	32	"	15c.	"	1	"
John Keenan	614 Grand avenue	9	57	"	15c.	"	1	"
John Digan	915 Atlantic avenue	9	76	"	15c.	"	1	"
Patrick Gilroy	576 Sixteenth street	22	71	"	15c.	"	1	"
John Dimon	Flatbush		45	"	15c.	"	1	"
6 James Keenan	Flatbush		25	"	15c.	"	1	"
John Nash	Fourth avenue	22	5	"	15c.	"	1	"
James Tierney	Washington avenue	9	17	"	15c.	"	1	"
John Daley	Park avenue	7	17	"	15c.	"	1	"
James Lynan	Park place	9	5	"	15c.	"	1	"
Patrick Clark	Grand avenue	9	29	"	15c.	"	1	"
Edward Hosey	Franklin avenue	9	282	"	15c.	"	1	"
Michael Daley	Grand avenue	9	5	"	15c.	"	1	"
Michael Farrell	290 1/2 Eleventh street	22	5	"	15c.	"	1	"
Thomas McGovern	140 Flatbush avenue	11	14	"	15c.	"	1	"
John Marshall	Flatbush avenue	9	13	"	15c.	"	1	"
Henry Fisher	Washington avenue	9	30	"	15c.	"	1	"
James Donohue	Underhill avenue	9	5	"	15c.	"	1	"
Patrick Tierney	Washington avenue	9	10	"	15c.	"	1	"
Joseph Kelly	135 Nevins street	10	15	"	15c.	"	1	"
Joseph Gorman	Washington avenue	9	5	"	15c.	"	1	"
Thomas Leonard	Parkway	21	5	"	15c.	"	1	"
James Newman	Underhill avenue	9	5	"	15c.	"	1	"
John Rattigan	710 Washington avenue	9	5	"	15c.	"	1	"
John McNally	Carroll street	9	7	"	15c.	"	1	"

Names of men of all grades employed through the year 1885.—Continued.

NAME.	RESIDENCE.	WARD.	TIME EMPLOYED.	RATE OF PAY.	LENGTH OF SERVICE.
James Byrnes.....	Prospect place.....	9	7 hours.	15c. per hour.....	1 "
Nicholas Downes.....	Washington avenue.....	9	6 "	15c. "	1 "
George Nelson.....	Prospect place.....	9	7 "	15c. "	1 "
Michael McQueen.....	Franklin avenue.....	9	6 "	15c. "	1 "
Charles M Rogers.....	Flatbush avenue.....	9	7 "	15c. "	1 "
Edward Mora.....	Gates avenue.....	23	7 "	15c. "	1 "
John Maxs.....	5 Fleet street.....	2	9 "	15c. "	1 "
Thomas Galloway.....	Douglass street.....	9	6 "	15c. "	1 "
Patrick Clark.....	515 Waverly avenue.....	7	7 "	15c. "	1 "
Neil Kelly.....	89 Douglass street.....	10	14 "	15c. "	1 "
John Lee.....	515 Waverly avenue.....	7	13 "	15c. "	1 "
James Gorman.....	Washington avenue.....	9	13 "	15c. "	1 "
Stephen Doughty.....	614 Grand avenue.....	9	14 "	15c. "	1 "
John Devlin.....	Carrol street.....	9	14 "	15c. "	1 "
Joseph Tyrne.....	Bond and Baltic.....	10	7 "	15c. "	1 "
Patrick Walsh.....	Franklin avenue.....	9	11 "	13c. "	1 "
Thomas Carroll.....	246 Flushing avenue.....	11	9 "	15c. "	1 "
Daniel Leonard.....	Parkway.....	9	10 "	15c. "	1 "
John Byrnes.....	98 Grand avenue.....	9	200 "	15c. "	1 "
Peter Ward.....	772 Bergen street.....	9	8 "	15c. "	1 "
Michael Murray.....	768 Bergen street.....	9	7 "	15c. "	1 "
John Mitchell.....	653 Washington avenue.....	9	7 "	15c. "	1 "
Patrick Toney.....	281 St. Marks avenue.....	9	7 "	15c. "	1 "
William Boyd.....	444 Bergen street.....	9	6 "	15c. "	1 "
Joseph Nelson.....	Underhill avenue.....	9	9 "	15c. "	1 "
Patrick Kelley.....	Classon avenue.....	9	7 "	15c. "	1 "
John Kergan.....	Underhill avenue.....	9	15 "	15c. "	1 "
John Halloran.....	Flatbush avenue.....	9	313 "	15c. "	1 "
John Maxwell.....	809 Washington avenue.....	9	17 "	15c. "	1 "

Eugene Sullivan	353 Second street	8	300	15c.	"	1	"
James McGlynn	838 Bergen street	9	172	15c.	"	1	"
Daniel Gaynor	Douglass street	9	1,135	15c.	"	1	"
Jacob Kaiser	436 Carlton avenue	9	1,590	15c.	"	1	"
John Mack	Sackett street	10	811	15c.	"	1	"
William Wambrum	New York		290	15c.	"	1	"
William Smith	Fifteenth street and Tenth avenue	22	1,119	15c.	"	1	"
Michael Kenney	34 Eleventh street	22	1,726	15c. and 17½c.	per hour	1	"
Patrick Wilson	476 Hicks street	6	358	15c.	per hour	1	"
Allen Fuller	Classon avenue	9	113	15c.	"	1	"
John Jacques	Park place	9	10	15c.	"	1	"
Patrick Moran	710 Washington avenue	9	1,514	15c.	"	1	"
Patrick Feegan	510 Fifteenth street	22	509	15c.	"	1	"
Edward Shanaher	7 Dennet place	12	798	15c.	"	1	"
Patrick Rogers	Flatbush avenue	9	671	15c.	"	1	"
Hugh McKellan	546 Sixteenth street	22	737	15c.	"	1	"
Hugh McArdle	143 N. Oxford street	7	512	15c.	"	1	"
Charles Connelly	12 Cole street	12	559	15c.	"	1	"
James Dolan	191 Huntingdon street	12	578	15c.	"	1	"
Thomas Martin	29 Fleet place	6	96	15c.	"	1	"
James Griffin	33 Main street	2	10	15c.	"	1	"
John Marley	29 Fleet place	6	698	15c.	"	1	"
George Painton	286 Eighteenth street	8	417	15c.	"	1	"
James Prescott	13 Dennett place	12	607	15c.	"	1	"
Patrick Moore	175 Butler street	10	494	15c.	"	1	"
Samuel Hilt	209 South-third street	13	5	15c.	"	1	"
David J. Taggart	103 Prospect place	9	598	15c.	"	1	"
Patrick Dunn	436 Degraw street	9	553	15c.	"	1	"
John White	7 Dennett place	12	818	15c.	"	1	"
Edward Dermody	13 Sixteenth street	22	553	15c.	"	1	"
John Delaney	140 Flatbush avenue	22	78	15c.	"	1	"
Patrick Keenan	771 Pacific street	9	546	15c.	"	1	"
Sevon Nelson	Prospect place	9	219	15c.	"	1	"
Peter Farrell	801 Bergen street	9	529	15c.	"	1	"
Michael McIntyre	Sixteenth street	22	43	15c.	"	1	"
James Connell	307 Hudson avenue	5	688	15c.	"	1	"
Robert Lennon	55 Clermont avenue	7	166	15c.	"	1	"
Anthony Smith	18 DeKalb avenue	11	2,272	15c.	"	1	"

Names of men of all grades employed through the year 1884.—Continued.

NAME.	RESIDENCE.	WARD.	TIME EMPLOYED.	RATE OF PAY.	LENGTH OF SERVICE.
John Donohue	493 Warren street	10	606 hours.	15c. per hour.	1 year.
Martin Monohan	637 Classon avenue	9	78 "	15c. "	1 "
William Kenney	626 Classon avenue	9	405 "	15c. "	1 "
Patrick Riley	954 Atlantic avenue	9	437 "	15c. "	1 "
Thomas Macken	5 Fleet street	2	461 "	15c. "	1 "
Cornelius Robertson	380 Jay street	11	215 "	15c. "	1 "
Michael Cavney	684 Dean street	9	533 "	15c. "	1 "
Albert G. Moore	912 Dean street	9	350 "	15c. "	1 "
John Leavy	555 Vanderbilt avenue	9	599 "	15c. "	1 "
James Cosgrove	555 Vanderbilt avenue	9	467 "	15c. "	1 "
Michael Curry	119 Warren street	2	377 "	15c. "	1 "
Christopher Moran	229 St. Marks avenue	9	18 "	15c. "	1 "
Michael McHenry	239 St. Marks avenue	9	452 "	15c. "	1 "
Robert Ketherwood	30 Flint street	2	93 "	15c. "	1 "
John Brett	654 Washington avenue	9	1,487 "	15c. "	1 "
Samuel Sanderson	498 Third avenue	22	368 "	15c. "	1 "
Michael Murphy	603 Sixteenth street	22	643 "	15c. "	1 "
Dennis O'Dea	409 Thirteenth street	22	384 "	15c. "	1 "
Michael Farrell	246 Eighteenth street	8	579 "	15c. "	1 "
Jamas Riley	409 Thirteenth street	22	170 "	15c. "	1 "
John Creighton	341 Seventh avenue	22	569 "	15c. "	1 "
Ambrose Gallagher	23 Humboldt street	16	860 "	15c. "	1 "
Edward Brady	109 Hudson avenue	5	299 "	15c. "	1 "
Michael Partridge	650 Washington avenue	9	214 "	15c. "	1 "
Frank Thompson	Degraw street	6	452 "	15c. "	1 "
Charles Brady	Flatbush	.....	499 "	15c. "	1 "
Patrick Meehan	49 Columbia street	1	404 "	15c. "	1 "
James McGraw	405 Fourteenth street	22	269 "	15c. "	1 "
James Farrell	160 Butler street	10	112 "	15c. "	1 "

Patrick Burke	255 Navy street	5	558	"	15c.	"	1	"
Thomas Keating	Pacific street	9	278	"	15c.	"	1	"
Michael Gill	670 Douglas street	9	293	"	15c.	"	1	"
Matthew Marrion	831 Park avenue	7	317	"	15c.	"	1	"
Patrick Cassidy	831 Park avenue	7	456	"	15c.	"	1	"
Peter McMahon	156 Twelfth street	22	222	"	15c.	"	1	"
James J. Keating	Twelfth street and Ninth avenue	22	245	"	15c.	"	1	"
Thomas E. Brady	161 Huntingdon street	12	72	"	15c.	"	1	"
Terence Duffy	10 Navy street	5	343	"	15c.	"	1	"
Charles O'Hagan	66 Columbia street	1	447	"	15c.	"	1	"
Nicholas Donohue	Braxton street and Eleventh avenue	8	445	"	15c.	"	1	"
Henry Butler	380 Jay street	11	170	"	15c.	"	1	"
William Grinnell	247 State street	3	450	"	15c.	"	1	"
James Ellis	514 Court street	12	190	"	15c.	"	1	"
Thomas Franklin	372 Hudson avenue	5	10	"	15c.	"	1	"
William Bannon	34 Eleventh street	22	414	"	15c.	"	1	"
Patrick Sexton	277 Van Brunt street	12	390	"	15c.	"	1	"
Michael J. Tobin	81 Bridge street	2	357	"	15c.	"	1	"
Moses Joseppe	New York		231	"	15c.	"	1	"
Michael Rattolla	New York		241	"	15c.	"	1	"
Michael Belletto	New York		237	"	15c.	"	1	"
Guesene Savone	New York		236	"	15c.	"	1	"
Antonio Flountonia	New York		232	"	15c.	"	1	"
Menego Drampios	New York		225	"	15c.	"	1	"
Engle Calambruno	New York		241	"	15c.	"	1	"
DeMordes Esposito	New York		236	"	15c.	"	1	"
Assolgis Alfonse	New York		192	"	15c.	"	1	"
Savasese Georania	New York		228	"	15c.	"	1	"
Thomas McDonald	30 Carlton avenue	20	27	"	15c.	"	1	"
Michael Shine	Sackett street	10	205	"	15c.	"	1	"
Martin Ryan	956 Pacific street	9	187	"	15c.	"	1	"
Daniel Hayes	Sixteenth street and Eleventh ave	22	391	"	15c.	"	1	"
Robert Stewart	552 Lafayette avenue	23	397	"	15c.	"	1	"
William Farrell	246 Eighteenth street	8	997	"	15c.	"	1	"
William M. Connell	158 Vanderbilt avenue	9	276	"	15c.	"	1	"
John Hamney	242 Navy street	5	205	"	15c.	"	1	"
Peter Claffey	545 Sixteenth street	22	512	"	15c.	"	1	"
Ralph Van Brunt	476 Third avenue	22	210	"	15c.	"	1	"

Names of men of all grades employed through the year 1884.—Continued.

NAME.	RESIDENCE.	WARD.	TIME EMPLOYED.	RATE OF PAY.	LENGTH OF SERVICE.
John Dugan	Sixteenth street and Eleventh av. . .	22	205 hours	15c. per hour.....	1 year.
James Tinsley	372 Hudson avenue.....	5	449 "	15c. ".....	1 "
William Allen	29 Fleet street	11	260 "	15c. ".....	1 "
Frank Heywood.....	175 Hudson avenue.....	11	1,484 "	15c. ".....	1 "
Frank Maskel.....	168 Twenty-first street.....	8	70 "	15c. ".....	1 "
Michael Trill.....	New York		175 "	15c. ".....	1 "
Daniel Murray.....	229 Eleventh street	22	285 "	15c. ".....	1 "
Robert Grafton	156 Twelfth street.....	22	231 "	16c. ".....	1 "
William Keenan.....	871 Pacific street.....	9	312 "	15c. ".....	1 "
Michael Austin.....	New York		209 "	15c. ".....	1 "
Antonio Mangiorain.....	New York		220 "	15c. ".....	1 "
Francisco Triggs.....	New York		123 "	15c. ".....	1 "
James Toohey	281 St. Marks avenue.....	9	142 "	15c. ".....	1 "
John Marsh.....	639 Washington avenue.....	9	218 "	15c. ".....	1 "
Patrick Dowd.....	408 Kosciusko street.....	13	455 "	15c. ".....	1 "
Georgia Toney	New York		183 "	15c. ".....	1 "
Georgia Rome	New York		212 "	15c. ".....	1 "
Authoney McNelly.....	New York		380 "	15c. ".....	1 "
Jeremiah Hamahan	94 Butler street.....	10	229 "	15c. ".....	1 "
Josephi Willie.....	New York		240 "	15c. ".....	1 "
Bolve Selvis	New York		139 "	15c. ".....	1 "
Michael Roservette.....	New York	14	150 "	15c. ".....	1 "
Alexander Stirling.....	240 North Second street.....	10	173 "	15c. ".....	1 "
Michael Hurley.....	582 Sackett street.....		182 "	15c. ".....	1 "
Dominico Tuonou	New York		176 "	15c. ".....	1 "
Antonio Selmer.....	New York		163 "	15c. ".....	1 "
Josephi Ballo	New York		141 "	15c. ".....	1 "
Bartolo Eonto.....	New York		132 "	15c. ".....	1 "
John Maguire.....	New York		212 "	15c. ".....	1 "

Michael Manwell	New York	133	"	15c.	"	1	"
John Gleary	248 Twentieth street	8	82	15c.	"	1	"
Thomas Slattery	Fifteenth street and Eleventh ave.	22	160	15c.	"	1	"
James McDonald	225 Johnson street	5	307	15c.	"	1	"
Jeremiah Mahoney	701 Atlantic avenue	20	240	15c.	"	1	"
John Shroder	Ninth street and Ninth avenue	22	300	15c.	"	1	"
Phillip Langon	76 Douglass street	10	324	15c.	"	1	"
Henry Cooper	Flatbush		126	15c.	"	1	"
George Cappel	280 St. Marks avenue	9	118	15c.	"	1	"
James Corbet	Fourth avenue and Union street	22	111	15c.	"	1	"
Thomas Langdon	605 Sixteenth street	22	325	15c.	"	1	"
Edward English	1,023 Union avenue	16	122	15c.	"	1	"
Michael Cronin	942 Pacific street	9	269	15c.	"	1	"
Thomas Conway	429 Butler street	10	90	15c.	"	1	"
John Halloran	President street	9	90	15c.	"	1	"
Patrick Livey	Franklin avenue	9	60	15c.	"	1	"
Michael Doyle	Sixteenth street	22	160	15c.	"	1	"
John McCarty	Sixteenth street and Eleventh ave.	22	110	15c.	"	1	"
Charles Studley	North Seventh street	14	54	15c.	"	1	"
Charles McCue	Douglass street and Fourth avenue	22	77	15c.	"	1	"
Peter Ludwith	76 Douglass street	10	180	15c.	"	1	"
Antonio Georgi	New York		30	15c.	"	1	"
James Whelan	127 Third avenue	22	50	15c.	"	1	"
James McGrade	Sixth avenue	22	400	15c. and 17c. per hour	"	1	"
Peter Doyle	Sixteenth street	22	1,145	"	"	1	"
Walter J. Glenn	928 Pacific street	9	1,280	30c. per hour	"	1	"
John Keyava	302 Fourth street	14	120	17½c.	"	1	"
Elijah D. Pepper	444 Monroe street	23	601	30c.	"	1	"
Andrew Roberts	350 Sackett street	10	557	30c.	"	1	"
William H. Greene	343 Seventeenth street	8	550	20c.	"	1	"
Thomas Mullen	147 Twenty seventh street	8	612	20c.	"	1	"
Thomas Kelly	292 Broadway	13	686	20c.	"	1	"
Henry B. Stall	991 Fulton street	7	1,534	20c.	"	1	"
Walter Crawley	Fifteenth street	22	60	20c.	"	1	"
Theodore Bennett	Fourth avenue and Douglas street	22	965	30c.	"	1	"
John Mack	Vanderbilt avenue	9	9	15c.	"	1	"
John Murphy	Sixteenth street	22	41	15c.	"	1	"
James Duffey	Warren street	10	270	15c.	"	1	"

Names of men of all grades employed through the year 1884.—Concluded.

NAME.	RESIDENCE.	WARD.	TIME EMPLOYED.	RATE OF PAY.	LENGTH OF SERVICE.
Henry Claxton.....	Pacific street.....	9	860 hours.	15c. per hour.....	1 year.
Dennis Murphy.....	Fifteenth street.....	22	480 "	15c. ".....	1 "
Edward J. Rutan.....	225 Herkimer street.....	23	983 "	40c. ".....	1 "
Michael Calhoun.....	Carroll street.....	10	173 "	40c. ".....	1 "
Dennis Wheeler.....	Eighteenth street.....	22	640 "	15c. ".....	1 "
Edward Conklin.....	Fourth avenue and Wyckoff street.....	22	85 "	45c. ".....	1 "
Edward Hyde.....	Flatbush.....		80 "	30c. ".....	1 "
Albert Vedder.....	St Marks ave. and Grand ave.....	9	648 "	15c. ".....	1 "
Richard Wilson.....	Gold street.....	5	316 "	15c. ".....	1 "
Willard Pratt.....	328 Fifteenth street.....	22	3,360 "	\$15 per week.....	1 "
Jesse K. Hatfield.....	124½ Twenty third street.....	8	3,290 "	\$15 ".....	1 "
Charles P. Wessman.....	554 Marcy avenue.....	23	390 "	\$15 ".....	1 "
Frank E. Miller.....	290 Sackett street.....	6	2,100 "	\$15 ".....	1 "
William Glavine.....	8 Sullivan street.....	4	54 "	15c. per hour.....	1 "

METEOROLOGICAL OBSERVATIONS.

Latitude, 40° 41 North ; Longitude, 73° 57 West from Greenwich.

Height of Instrument above the sea, 220 feet.

METEOROLOGICAL TABLE No. 1.

Table showing the observed height of the Barometer, monthly, for the year ending December 31, 1884.

MONTHS.	MEAN AT 7 A. M.	MEAN AT 2 P. M.	MEAN AT 9 P. M.	MONTHLY MEAN.	MAXIMUM	MINIMUM	RANGE.
January	29.954	29.897	29.891	29.914	30.485	29.123	1.362
February	29.839	29.840	29.839	29.727	30.404	29.311	1.093
March	29.823	29.859	29.828	29.837	29.986	29.612	.374
April	29.687	29.634	29.872	29.731	30.002	29.083	.919
May	29.714	29.724	29.802	29.771	30.083	29.415	.668
June	29.872	29.902	29.875	29.897	30.269	29.595	.671
July	29.483	29.428	29.693	29.683	29.867	29.396	.471
August	29.848	29.851	29.989	29.829	30.086	29.540	.546
September	29.810	29.855	29.850	29.831	30.269	29.576	.693
October	29.947	29.859	29.957	29.916	30.259	29.540	.719
November	29.851	29.833	29.835	29.855	30.236	29.315	.921
December	29.936	29.929	29.922	29.929	30.362	29.361	1.001

Annual mean at 7 A. M.	29.813
Annual mean at 2 P. M.	29.801
Annual mean at 9 P. M.	29.862
Annual mean of 1,698 observations	29.825
Maximum, January 27, 2 P. M.	30.485
Minimum, April 2, 9 P. M.	29.083
Range	1.402

METEOROLOGICAL TABLE No. 2.

DRY.

Table showing the state of Thermometer, monthly, for the year ending December 31, 1884.

MONTHS.	MEAN AT 7 A. M.	MEAN AT 2 P. M.	MEAN AT 9 P. M.	MAXIMUM.	MINIMUM.	RANGE.
January.....	24.40	30.32	26.74	43.50	7.00	36.50
February.....	32.92	38.12	33.52	54.50	5.00	49.50
March.....	29.28	36.88	54.51	61.50	6.00	55.50
April.....	49.94	53.48	46.42	78.00	30.00	48.00
May.....	52.42	67.00	61.16	96.00	40.00	56.00
June.....	66.34	78.14	68.00	92.50	44.00	48.50
July.....	68.50	77.94	70.80	92.00	54.00	38.00
August.....	70.00	80.68	72.23	94.00	54.00	40.00
September.....	68.96	81.36	71.28	94.00	47.00	47.00
October.....	54.82	65.73	58.04	86.50	32.00	54.50
November.....	41.90	50.30	46.60	67.50	20.00	57.50
December.....	34.90	41.40	39.80	59.50	0.00	59.50

Annual mean, dry, at 7 A. M.....	49.53
Annual mean, dry, at 2 P. M.....	58.43
Annual mean, dry, at 9 P. M.....	55.75
Annual mean, dry, at 1,098 observations.....	54.57
Maximum, dry, May 22.....	96.00
Minimum, dry, December 19.....	0.00
Range.....	96.00

METEOROLOGICAL TABLE No. 3.

WET.

Table showing the state of Thermometer, monthly, for the year ending December 31, 1884.

MONTHS.	MEAN AT 7 A. M.	MEAN AT 2 P. M.	MEAN AT 9 P. M.	MAXIMUM.	MINIMUM.	RANGE.
January	21.58	27.04	25.50	40.00	6.00	34.00
February	30.09	34.31	30.66	50.00	4.00	46.00
March	26.05	34.87	31.33	55.00	4.00	51.00
April	40.80	48.34	44.66	56.00	31.00	25.00
May	50.96	60.04	52.94	74.00	41.00	33.00
June	61.10	68.78	62.34	80.00	50.00	30.00
July	62.44	69.54	66.12	79.00	55.00	24.00
August	64.55	70.67	66.67	78.00	55.00	23.00
September	60.42	69.98	64.62	80.00	48.00	32.00
October	49.63	58.39	54.39	70.00	34.00	36.00
November	37.00	40.60	41.80	57.00	19.00	38.00
December	30.46	37.10	36.40	56.00	2.00	54.00

Annual mean, wet, at 7 A. M	44.59
Annual mean, wet, at 2 P. M	59.97
Annual mean, wet, at 9 P. M	48.12
Annual mean, wet, of 1,098 observations	50.98
Maximum, wet, August 6.	80.00
Minimum, wet, December 20.	2.00
Range	78.00

METEOROLOGICAL TABLE No. 4.

*Table showing the force of Vapor, monthly, for the year ending
December 31, 1884.*

MONTHS.	MEAN AT 7 A. M.	MEAN AT 2 P. M.	MEAN AT 9 P. M.	MONTHLY. MEAN
January . . . . .	.088	.109	.104	.100
February . . . . .	.137	.146	.141	.141
March . . . . .	.138	.211	.186	.178
April . . . . .	.209	.275	.239	.240
May . . . . .	.321	.444	.352	.372
June . . . . .	.475	.616	.495	.528
July . . . . .	.497	.627	.590	.571
August . . . . .	.551	.643	.638	.610
September . . . . .	.473	.586	.549	.536
October . . . . .	.360	.433	.369	.369
November . . . . .	.169	.212	.219	.199
December . . . . .	.137	.177	.175	.163

Force of vapor, maximum, September 6	1.033
Force of vapor, minimum, March 1 . . . . .	.007
Range	1.026

METEOROLOGICAL TABLE No. 5.

*Table showing the relative humidity (saturation being 100), monthly,
for the year ending December 31, 1884.*

MONTHS.	MEAN AT 7 A. M.	MEAN AT 2 P. M.	MEAN AT 9 P. M.	MONTHLY MEAN
January.....	.57	.63	.68	.63
February.....	.65	.59	.67	.67
March.....	.56	.66	.68	.63
April.....	.69	.68	.73	.70
May.....	.72	.63	.72	.69
June.....	.71	.61	.59	.63
July.....	.72	.65	.75	.71
August.....	.74	.59	.75	.63
September.....	.66	.57	.71	.64
October.....	.66	.62	.71	.66
November.....	.61	.56	.66	.61
December.....	.63	.61	.69	.64

Maximum, November 24.....	100
Minimum, March 1.....	11
Range.....	89

METEOROLOGICAL TABLE No. 6.

Table showing the duration and depth of rain, snow and prevailing winds, monthly, during the year ending December 31, 1884.

MONTHS.	Number of days on which rain or snow fell.	RAIN DURATION.			Depth in inches.	Total depth in inches.	FALL OF SNOW.		
		Days.	Hours.	Minutes.			In inches.	Reduced to water in inches.	Prevailing winds.
January	15	6	2	00	6.45	7.45	11.75	1.00	N. W.
February	14	8	2	40	5.175	13.825	10.75	1.20	N. W.
March	12	7	1	20	5.77	19.915	3.50	.32	N. W.
April	8	4	5	35	2.46	22.375	.....	.....	N. W.
May	8	4	5	10	3.92	26.295	.....	.....	N. W.
June	2	0	20	25	5.15	31.445	.....	.....	S.
July	5	2	12	30	6.711	38.156	.....	.....	S.
August	8	3	14	37	8.46	46.616	.....	.....	S.
September	2	0	4	30	2.07	46.823	.....	.....	W.
October	7	3	22	26	2.885	49.708	.....	.....	W.
November	4	3	10	45	2.6035	52.315	§	.0035	W.
December	5	6	3	52	5.87	59.275	11.00	1.09	W.

§ Melted as it fell.