

# REPORT

OF THE

# HEALTH DEPARTMENT

OF THE CITY OF BROOKLYN, N. Y.

*For the Week Ending February 1, 1896.*

HON. Z. TAYLOR EMERY, M. D.,  
*Commissioner of Health.*

SIR

During the week ended at noon Saturday, February 1, 1896, there were reported to this Department 147 marriages, 429 births, 34 still-births, 455 deaths, and 427 cases of contagious disease. The estimated \*population of the city being 1,105,000 the deaths reported represent an annual rate of 21.5 per thousand, the average rate for *the* corresponding weeks of the previous five years having been 21.8. Following is a condensed statement of the work of the Department during **the** week:

Total inspections of all kinds .....	4,272
Citizens' complaints investigated .....	106
Orders issued .....	78
Cases referred to counsel for prosecution.....	11
Convictions obtained .....	0
Fines imposed.....	\$0
Vaccinations performed .....	8
Bacteriological examinations made, 222 Disinfections performed	
.....	155
Patients admitted to hospital .....	9
Horses destroyed for glanders.....	0
Cattle destroyed for tuberculosis .....	2

In the subjoined - tables will be found an analysis of the vital statistics, the meteorological record, and a detailed statement of the work of the various bureaus.

Respectfully submitted,  
 GEO: E. WEST, M. D. *cretary.*



## Deaths by Wards, with Reported Cases of Diphtheria and .Croup.

WARDS.	POPULATION.	DEATHS.				DIPHTHERIA AND CROUP.	
		TOTAL.	UNDER 15 YEARS.	IN TENEMENTS.	IN INSTITUTIONS.	REPORTED CASES.	DEATHS.
1	23,500	9	5	4		1	
	10,500	7	2	5		1	
3	24,000	7	3	2		2	
4	15,500	5	4	3			
5	21,000	10	7	8		2	1
6	49,000	26	4	6	12	2	3
	43,000	13	2	6	1	3	1
8	43,000	14	6	8	1	5	2
9	40,500	21	6	9	3	1	
10	49,000	12	3	8		1	
11	27,000	13	2	3	3	1	
12	38,000	13	2	9		3	
13	30,000	7	2	5		4	
14	33,500	13	6	8		4	-1
15	34,000	7	2	3		3	2
16	47,500	24	10	21		5	
17	50,000	17	9	12		9	4
18	23,000	19	6	8		7	
19	41,000	17	6	10		1	2
20	32,000	10	4	7			
21	60,000	23	10	15		2	1
22	58,000	20	3		5	7	1
23	53,000	21	8	8	1	6	
24	27,000	14	4	1	8	7	
		15	2	5		3	
25	49,000	27	11	9		11	2
26	45,000	19	8	13	2	8	2
27	38,000	19	8	13	2	8	2
	56,500	24	9	13	1	9	1
29	16,000	24	8	2	16	1	1
30	15,000	1			..	5	
81	9,500	1			..	4	
32	5,000						
TOTAL..	1,105,000	455	154	218	63	118	29

### Contagious Diseases \*Reported during Thirteen Weeks.

DISEASE.	WEEK ENDING												
	0 z	1 z	2 z	3 z	4 z	5 z	6 z	7 z	8 z	9 z	0 C	1 C	2 C
Small-pox .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles.....	30	45	73	78	90	133	124	141	270.	247	274	324	232
Scarlet Fever.....	45	39	46	53	42	53	59	44	62	66	64	60	67
Diphtheria .....	86	94	110	119	154	160	150	153	172	133	87	159	102
'Croup .....	9	10	8	15	7	14	9	5	10	13	8	17	16
Typhoid Fever.....	8	8	8	9	8	8	9	8	8	8	9	9	10
.....	....	....	....	....	....	....	....	....	....	....	....	....	....





Bureau of Bacteriology.

Number of calls at Stations .....	95
Number of primary Diphtheria cultures examined .....	143
Number in which Diphtheria bacilli were found .....	66
Number in which Diphtheria bacilli were not found.....	57
Number containing Streptococci in addition to the Diphtheria bacillus...	
Number containing Staphylococci in addition to the Diphtheria bacillus....	29
Number containing all three varieties of bacteria .....	
Number a. No growth... - .	9
unsatisfactory. b. Contamination.	9
e. Suspicious .....	33
No. of Secondary a. Diphtheria absent ..	4.0
cultures. b. Diphtheria present .	
Number of isolations in pure culture for testing the virulence, after a persistence of four weeks.....	1
Number of bottles of Anti-diphtheritic Serum issued from the Laboratory....	25
Number of injections of horses with Toxines..	4
Number of standardizations of Anti-diphtheritic Serum.....	0
Number of standardizations of Diphtheria Toxines .....	
Number of examinations of sputum.....	
Number in which Tubercle bacilli were found.....	
Number in which Tubercle bacilli were not found .....	2
Number of bacteria in t. c. of water from laboratory tap	96
Number of apartments disinfected ..	155
Number of articles disinfected by steam. .	816
Special laboratory work-Preparation of Mallein ; experimental work on disinfection.	

Report of Veterinary Inspector.

Horses inspected for Glanders and .	
Farcy .....	0
Horses condemned and destroyed .....	0
Suspicious cases investigated.....	0
Mallein tests .....	0
Results .....	0
Confirmed .....	0
Negative.....	0
Post-mortem examinations .....	0

Report of Kingston Avenue Hospital.

DISEASES.	9	a	c	~	O		
In Hospital, -end of previous week .....	1	2	2	22	4	1	
Admitted during week .....		3	2	11			
Discharged during week.....	1	1					
Died during Week .....							
Remaining .....		3		15			

Nuisance Bureau.

Number of citizens' complaints investigated ..	23,
Number verified .....	10
Number found baseless, or nuisance already abated .....	13
Number of original complaints by inspectors.....	10
Number of re-inspections .....	82
Number of orders issued on complaints..	29
Number complied with.....	87
Number referred to counsel for prosecution .....	11

Bureau of Plumbing.

Citizens' complaints investigated.....	80
Re inspections of citizens' complaints.....	188
Inspections of new plumbing work .....	310
Inspections of factories.....	0
Miscellaneous inspections .....	24
Total inspections.....	602
Orders issued on citizens' complaints .....	48
Plumbing plans received.....	61
Plumbing plans approved .....	61
Buildings in which plumbing work has been finally passed .....	89

Report of Counsel.

Complaints received -for prosecution.....	8
Complaints dismissed because of compliance with orders of Department ..	
Complaints dismissed for other reasons....	0
Number of fines imposed.....	0
Amount of fines imposed .....	\$0
Cases now on calendar .....	58

# BUREAU OF CHEMISTRY.

## ANALYSIS OF RIDGEWOOD WATER,

Taken from Laboratory Tap Jan. 29, 1896.

RESULTS EXPRESSED IN PARTS BY WEIGHT  
IN ONE HUNDRED THOUSAND.

Appearance, Clear ; Temperature.....	45° F.
Chlorine in Chlorides.....	2.20
Equiv. to Sodium Chloride.....	3.625
Nitrogen in Nitrites .....	0.0000
Nitrogen in Nitrates and Nitrites.....	0.0792
Free Ammonia.....	: 0.0008
Albuminoid Ammonia.....	0.0042
Hardness Equiv. to      Before Boiling	4.2
Carbonate of Lime,      After. Boiling.	4.2
Organic and Volatile. (loss on ignition)	2.7
Mineral Matter (non-volatile) .....	7.8
Total Solids (by evaporation) .....	10.5

## ANALYTICAL WORK.

Milk-Found to be watered.....	0
"    "    "    skimmed.....	1
"    "    "    normal.....	1
Ridgewood Water, Sanitary Analysis. .	1
Special Water Analysis.....	
Examination of Ammonol for Acetani- lid, Ammonium Carbonate and Methyl Orange-Positive result...	2
.....	
.....	
.....	

## FOOD

### Milk Inspection.

Total Inspections of Milk.....	876
"    "    Quarts examined.....	29,542

Cases referred to Counsel .....

Inspection of Fruits and Vegetables. No.

Inspections of Markets.....	575
<<    <<    Groceries and Stands	1,103
Fruit Steamers.....	3

Total Inspections of Fruit, Vegetables	1,681
Pounds of same condemned ....	19,635

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### Dairy Inspection.

Number of Cow Stables inspected.....	2
"    "    "    re-inspected . .	180
Cows examined.....	0

Cases referred to Counsel.....	
Orders issued.....	

### Special Inspections.

Citizens' complaints investigated.....	3
Number of Re-inspections.....	46
Number of Fire Inspection'.....	2
Number of Warehouse Inspections....	0
Pounds of Food condemned .....	0
Number of Factory Inspections.....	0
Orders issued.....	1

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referred to Counsel.....

## INSPECTION.

### Meat Inspections.

Butcher Shops.....	196
Packing and Com mi'sion t-ions.....	92
Fish Markets.....	16
Poultry Markets.....	0
Slaughter Houses.....	167
Chicken Slaughter Houses.....	44
.....	515

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Cases referred to Counsel.....

### Pounds of Meat Condemned.

|                       |       |
|-----------------------|-------|
| Beef.....             | 875   |
| Veal.....             | 255   |
| Horse.....            | 1,000 |
| Lamb.....             | 0~    |
| Pork.....             | 210   |
| Poultry.....          | (i'   |
| Fish.....             | 80    |
| Assorted Meats .....  | 22    |
| Total.....            | 2,392 |
| Number Carcasses..... | 10    |

# Meteorological Observations

TAKEN AT

the Adelphi Academy Weather Station, Brooklyn, N. V.

For the Week ended at Noon, February i, 1896.

| Day and Time of Observation. | Barometer.     | Thermometer.  |               |          |    | De* Point. | Relative midday. | Direction of Wind. | State of Weather. | Rain and Snow. |    |       |        |         |       |
|------------------------------|----------------|---------------|---------------|----------|----|------------|------------------|--------------------|-------------------|----------------|----|-------|--------|---------|-------|
|                              |                | Dry.          |               | Wet.     |    |            |                  |                    |                   |                |    |       |        |         |       |
|                              |                | Maxi-<br>mum. | Mini-<br>mum. | A--<br>1 | ax |            |                  |                    |                   |                |    |       |        |         |       |
| Saturday . 8 P.              | 30.06          | 3             |               | 1        |    | 37         | 92               | N.                 | Cloudy.           |                |    |       |        |         |       |
| 8 A. M.                      |                | 4             | 5             | 34       | 3  | 3          | 8                | 7                  |                   |                |    |       |        |         |       |
| 8 A. M.                      | 30.16          | 8             | 5             |          | 9  | 8          | 8                | 7                  | N. E.             | Cloudy.        |    |       |        |         |       |
| Sunday . . .                 |                | 8             | 6             |          | 3  | 2          | 7                | 3                  | N. W.             | Cloudy.        |    |       |        |         |       |
| 8 P. M.                      | 30.10          | 30.09         | 8             | 45       | 3  | 8          | 3                | 3                  | 2                 | 26             | 71 |       |        |         |       |
| M.                           | 30.08          |               | 32            | 1        | 8  | 29         | 1                | 24                 |                   |                | 6  | N. W. | Fair   |         |       |
| Monday . . .                 |                |               | 27            |          | 2  | 2          | 24               | 2                  | 18                | 19             | 6  |       | Clear. |         |       |
| 8 A. M.                      | 30.07          | 30.12         | 3             | 5        | 2  | 4          | 9                | 2                  | 5                 | 20             | 6  | 5     | W.     | Fair.   |       |
| 8 A. M.                      | 30.17          |               | 2             | 9        | 4  | 9          | 26               | 5                  | 20                |                | 6  | 6     | W.     | Fair.   |       |
| Tuesday . . .                |                |               | 9             |          |    |            |                  |                    |                   |                | 7  | 0     | W.     | Clear   |       |
| 8 P. M.                      | 10.25          | x0.28         | 33            | 38       | 26 | 3          | 30               | 27                 | 25                | 22             | 7  | 0     | W.     | Clear   |       |
| Wednesday                    |                |               | 27            |          |    | 2          | 24               | 18                 | 64                | 7              | 6  | 7     | N      | Clear.  |       |
| 8 A. M.                      | 30.30          |               |               |          |    |            |                  |                    |                   |                |    |       |        |         |       |
| 8 P. M.                      | 30.22          | 30.21         | 34            | 40       | 25 | 33         | 31               | 31                 | 26                | 1              | 7  | 2     | S. E.  | Clear.  |       |
| Thursday                     |                |               | 3             |          |    |            | 32               | 28                 | 27                | 73             | 7  | 3     | S.     | Fair.   |       |
| 8 A. M.                      | 30.19          |               |               |          |    | 30.3       | 35               | 31                 |                   |                | 7  | 5     | N.     | Clear   |       |
| 8 P. M.                      | 30.26          |               | 5             | 42       | 25 | 3          | 29               | 29                 | 24                |                | 7  | 6     | N.     | Clear   |       |
| Friday . . .                 |                |               | 3             |          |    | 3          | 23               | 1                  | 6                 | 63             | 9  |       | N. E.  | Clear.  |       |
| 8 A. M.                      | 30.41          |               |               |          |    | 3          | 3                | 23                 | 1                 | 6              | 63 | 9     | N. E.  | Clear.  |       |
| 8 P. M.                      | 30.36j         |               | 8             | 5        | 40 | 3          | 36               | 3                  | 3                 | 7              | 8  | 4     | E.     | Cloudy. |       |
| Saturday . . .               | 8 A. M., 30.03 | 30.20         | 34            |          |    | 34         | 4                | 8                  | 3                 | 1              | 9  | 5     |        | Rainy.  | 6 .20 |

## Summary for the Week.

|         | Barometer.   | Thermometer. | Humidity.    | Rain and Snow.                   |
|---------|--------------|--------------|--------------|----------------------------------|
| Maximum | 30.19 Inches | 34 Degrees   | 74 Per cent. | Amount of Rain.....15 Inches     |
| Minimum | 30.03 Inches | 24 Degrees   | 63 Per cent. | Snow reduced to Water 05 Inches. |
| Range   | 03 Inches    | 21 Degrees   | 32 Per cent. | Duration of Rain .. 4 Hours.     |
|         |              |              |              | Duration of Snow .. 2 Hours.     |

Barometer reduced to 32 Fahrenheit and sea level.  
 Thermometers Fahrenheit, in shade, open air and northern exposure.  
 Humidity in per cents., saturation being 100. Latitude, 40° 41' N.;  
 Longitude, 73° 57' W. Height of barometer above the sea, about 100 feet.

W. O. PECKHAM, Meteorologist.