

# **Report on the sanitary condition of the Borough of Bermondsey for the year 1910.**

## **Contributors**

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Brown, R. K.

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BER 30  
Metropolitan Borough of Bermondsey.

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# REPORT

ON THE

# SANITARY CONDITION

OF THE

# BOROUGH OF BERMONDSEY

For the Year 1910.

BY

R. K. BROWN,

B.A., M.D., B.Ch., B.A.O. (R.U.I.), D.P.H. (Lond.),

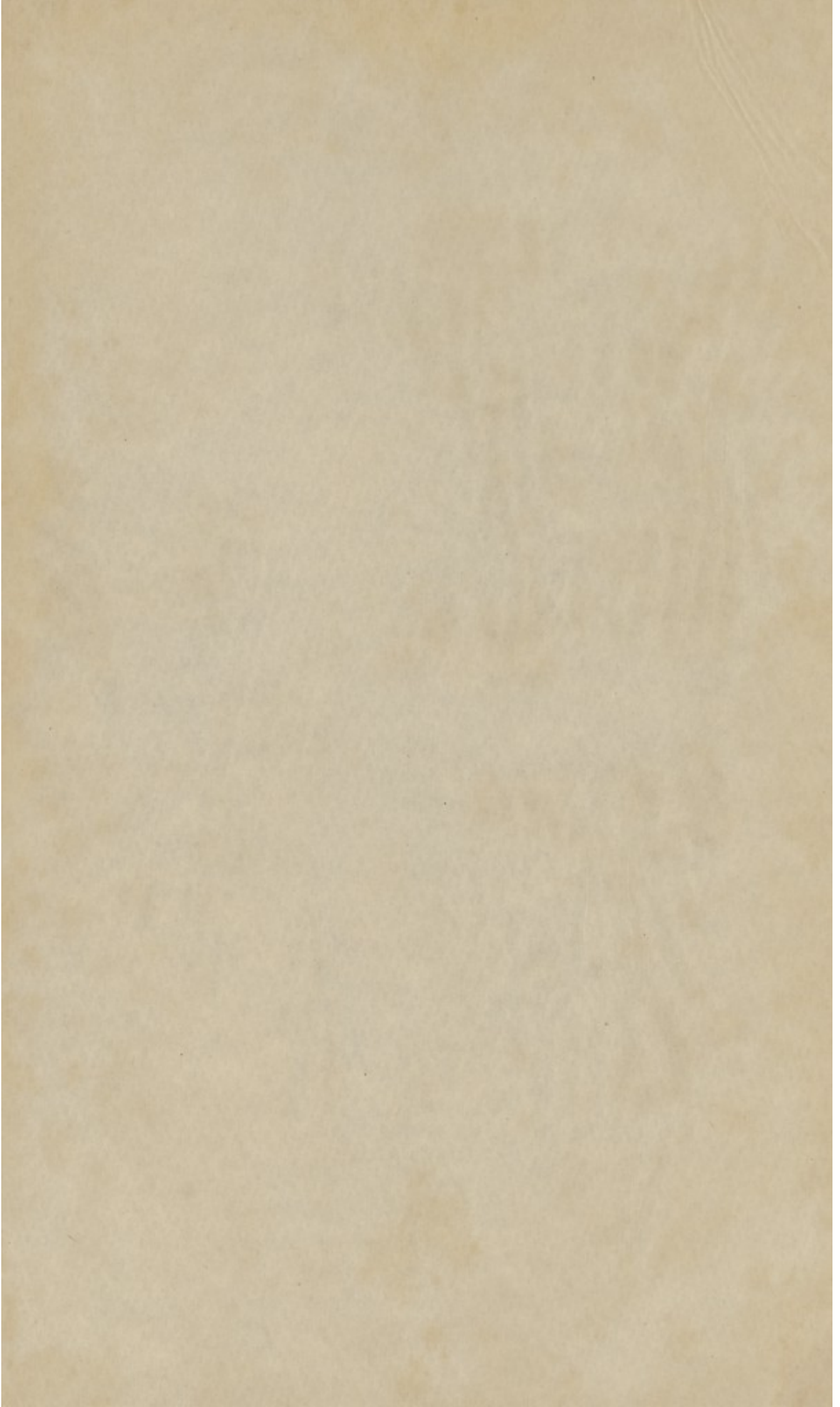
*Medical Officer of Health.*

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LONDON :

HENDERSON & SPALDING, PRINTERS, SYLVAN GROVE,  
OLD KENT ROAD, S.E.

1911.



UNION OF BOROUGH OF BIRMINGHAM

REPORT

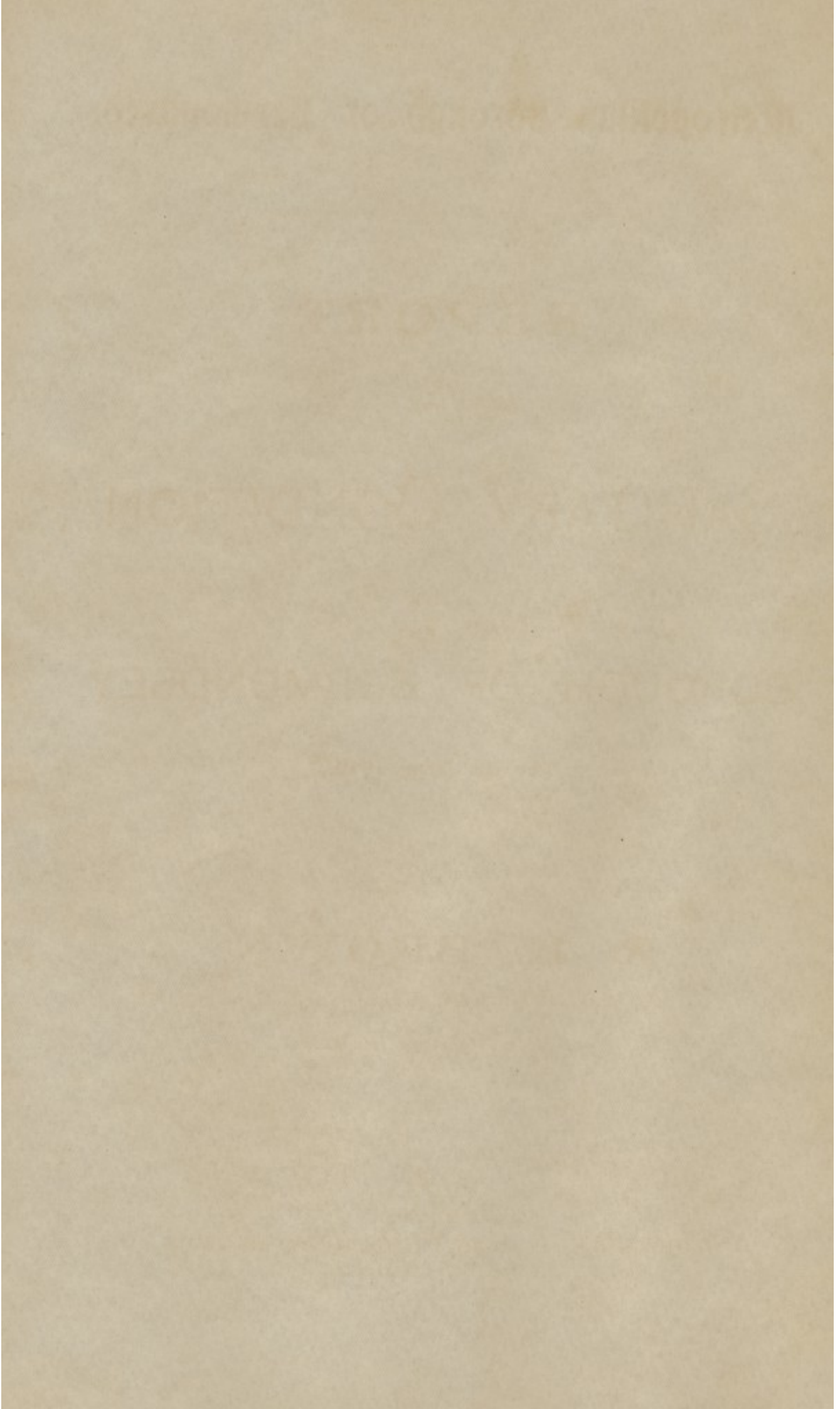
SANITARY CONDITION

BOROUGH OF BIRMINGHAM

FOR THE YEAR 1891

BY THE BOROUGH ENGINEER

AND THE BOROUGH SURGEON



Metropolitan Borough of Bermondsey.

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# PUBLIC HEALTH DEPARTMENT.

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## COMMITTEE, 1910:

CHAIRMAN—COUNCILLOR VEZEY.

|                       |                    |
|-----------------------|--------------------|
| Alderman Parkinson,   | Councillor Guerin, |
| „ Peeke,              | „ Hooton,          |
| Councillor Bevington, | „ Markwick,        |
| „ Brenner,            | „ Oake,            |
| „ Brown,              | „ Pridmore,        |
| „ Clark,              | „ Renwick,         |
| „ Davies,             | „ Richmond, M.D.   |
| „ Delderfield,        | „ Salter,          |
| „ Dhonau,             | „ Saunders.        |
| „ Gardiner,           |                    |

*Ex-officio:*

COUNCILLOR ARTHUR LAYMAN, J.P. - - MAYOR OF BERMONDSEY.

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## STAFF:

*Medical Officer of Health*—R. K. BROWN, B.A., M.D., D.P.H.

### *Sanitary Inspectors.*

|                   |                   |                   |                    |
|-------------------|-------------------|-------------------|--------------------|
| No. 1 District... | Mr. M. Grice.     | No. 5 District... | Mr. E. C. Freeman. |
| No. 2 „ ...       | „ J. W. Wood.     | No. 6 „ ...       | „ J. Bartlett.     |
| No. 3 „ ...       | „ A. H. Merryman. | No. 7 „ ...       | „ A. C. Townsend.  |
| No. 4 „ ...       | „ H. J. Toogood.  | No. 8 „ ...       | „ H. M. Cockburn.  |

*Food Inspectors*—Mr. T. Ashdown, Mr. G. A. Hoskins, and Mr. G. L. Scott.

*Health Visitor*—Miss E. M. Clibbens.

### *Clerical Staff.*

|   |  |
|---|--|
| Mr. C. A. Chapman, <i>Sanitary Clerk,</i> | Mr. J. Francksen, <i>Fourth Clerk,</i> |
| „ J. Pitts, <i>Second Clerk,</i>          | „ F. C. Shaw, <i>Office Lad.</i>       |
| „ H. Bush, <i>Third Clerk,</i>            |  |

PUBLIC HEALTH DEPARTMENT,

TOWN HALL,

SPA ROAD, S.E.

# Metropolitan Borough of Bermondsey.

## ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH.

TO THE MAYOR, ALDERMEN AND COUNCILLORS OF THE  
METROPOLITAN BOROUGH OF BERMONDSEY.

GENTLEMEN,

I have the honour to submit my Tenth Annual Report on the sanitary condition of the Borough of Bermondsey during the year 1910. The report deals with the 52 weeks beginning January 2nd, and ending December 31st, 1910. The death-rate was 17·6, compared with 18·8 in 1909, and 18·8 in 1908. This is the lowest yet recorded in the Borough.

No serious outbreaks of infectious disease occurred during the year, but the mild type of scarlet fever mentioned in the last three reports is less prevalent. There was a slight increase in diphtheria and a considerable decrease in measles.

The sections of the report are, as usual, divided into:—

- I.—Vital Statistics.
- II.—Notification of Infectious Diseases.
- III.—Sanitary Administration.
- IV.—Factories and Workshops.

In the Appendix will be found the Local Government Board Tables, including a special Table on Infantile Mortality.

Again, I may record my thanks to the Chairman and Members of the Public Health Committee for their cordiality and co-operation throughout the year. Thanks are also due to the members of the staff for their hearty co-operation in carrying out the various duties devolving on the Public Health Department.

I am, Gentlemen,

Your obedient servant,

R. K. BROWN.

### I.—VITAL STATISTICS.

#### *Population.*

The populations of the Borough of Bermondsey and its registration sub-districts, as enumerated in the Census of 1891, 1896, and 1901, and the estimate for the year under report, are as follows:—

|                    | 1891.   | 1896.   | 1901.   | Estimate, 1910. |
|--------------------|---------|---------|---------|-----------------|
| Bermondsey ... ..  | 84,682  | 85,475  | 82,483  | 81,304          |
| Rotherhithe ... .. | 39,225  | 40,379  | 38,460  | 38,125          |
| St. Olave ... ..   | 12,723  | 11,731  | 9,817   | 7,205           |
| Borough ... ..     | 136,660 | 137,585 | 130,760 | 126,634         |

The estimate of the population in Bermondsey for 1910 shows a still further decrease from the Census of 1901.

At this distance from the last Census it is very difficult to give an accurate estimate, but, apart from the replacing of small houses by warehouses, the number of empty houses would seem to point to a decrease.

The latter circumstance is probably entirely due to the increased facilities of transit, leading to a tendency on the part of the population of this, as well as other central boroughs, to seek residence further out.

The same method of estimating has been adopted as that employed in former years.

### *Births.*

The total number of births registered in the Borough for the 52 weeks ended December 31st, 1910, was 3,957, consisting of 2,017 males and 1,940 females. This is 260 below the average for the last 10 years, and 98 below the figure for 1909.

This total includes 2,661 for Bermondsey, being 78 below that for 1909, and 131 below the average for the last 10 years; 1,040 for Rotherhithe, being 29 below the number for 1909, and 90 below the average for the last 10 years; and 256 for St. Olave, being 9 above the number for 1909, and 38 below the average for the last 10 years.

In Table II. of the appendix will be seen the figures for the last 10 years in the three registration sub-districts, and in Table I. figures for the whole Borough.

The birth-rate for 1910 was 31·2 per thousand persons living, which is 1·4 below the average for the last 10 years. Particulars of rates will be found in annexed Table A. London is included for comparison.

A new departure with regard to births was made by the Registrar-General in 1906. The births are corrected by distributing those which occurred in the chief lying-in hospitals of the Metropolis to the Boroughs in which the mothers had resided previous to admission.

Those allocated to Bermondsey in 1910 number 49, and if they are added to the above total the rate would be 31·6.

TABLE A—BIRTH-RATES.

| Year.                              | Bermondsey. | Rotherhithe. | St. Olave. | Whole Borough. | London. |
|------------------------------------|-------------|--------------|------------|----------------|---------|
| 1900                               | 34·07       | 30·56        | 39·67      | 33·5           | 28·6    |
| 1901                               | 35·42       | 31·73        | 32·73      | 34·1           | 29·0    |
| 1902                               | 34·70       | 30·47        | 33·92      | 33·4           | 28·5    |
| 1903                               | 31·12       | 29·10        | 30·83      | 32·4           | 28·4    |
| 1904                               | 33·52       | 28·27        | 40·69      | 32·4           | 27·8    |
| 1905                               | 35·35       | 29·53        | 30·64      | 33·3           | 27·1    |
| 1906                               | 32·83       | 28·48        | 31·08      | 31·4           | 26·5    |
| 1907                               | 32·76       | 29·06        | 28·45      | 31·4           | 25·6    |
| 1908                               | 33·53       | 29·02        | 32·58      | 32·1           | 25·2    |
| 1909                               | 33·65       | 28·02        | 32·99      | 31·9           | 24·2    |
| Average for years }<br>1900-1909 } | 33·69       | 29·42        | 33·36      | 32·6           | 27·1    |
| 1910                               | 32·7        | 27·3         | 35·5       | 31·2           | 23·6    |

From this table it will be seen that there is a reduction of the birth-rate for the Borough, which is shared by the three Registration Sub-Districts.

### *Marriages.*

The total number of marriages in the Borough in 1910 was 1,149, being 111 above the number for 1909, and 35 above the average for the last 10 years.

In Table VIII. of the Appendix will be found particulars of numbers and rates in the three Registration Sub-districts. The numbers have been supplied by the Superintendent Registrar.

### *Deaths.*

In Table IV. of Appendix will be found the Local Government Board tables dealing with deaths in the Borough. The extended table of causes of death initiated in 1904 will also be found in the Appendix.

The total number of deaths registered in the Borough for the 52 weeks ended December 31st, 1910, was 1,717, which is 230 less than in 1909, and 392 less than the average for the last 10 years.

When this figure is corrected by exclusion of deaths of non-parishioners occurring in the district, and the inclusion of deaths of parishioners occurring outside the district, the number is raised to 2,229. This is 158 less than in 1909, and 332 less than the average for the last 10 years.

The annexed table shows the distribution of deaths in quarters, together with the corresponding quarters of 1909. The largest number of deaths occurred in the fourth quarter of the year.

TABLE B.—DEATHS.

| Quarter.            | Bermondsey. |       | Rotherhithe. |       | St. Olave. |       | Whole Borough. |       |
|---------------------|-------------|-------|--------------|-------|------------|-------|----------------|-------|
|                     | 1909.       | 1910. | 1909.        | 1910. | 1909.      | 1910. | 1909.          | 1910. |
| First ... ..        | 526         | 322   | 233          | 155   | 57         | 51    | 816            | 528   |
| Second ... ..       | 360         | 354   | 159          | 139   | 44         | 35    | 563            | 528   |
| Third ... ..        | 299         | 337   | 111          | 119   | 35         | 43    | 445            | 499   |
| Fourth ... ..       | 378         | 428   | 151          | 190   | 34         | 56    | 563            | 674   |
| Total Deaths ... .. | 1,563       | 1,441 | 654          | 603   | 170        | 185   | 2,387          | 2,229 |

The death-rate for the Borough in 1910 was 17·6 per thousand living inhabitants, being 1·2 below that recorded in 1909, and 2·2 below the average for the last 10 years. If the Census population be taken as the basis of calculation of the rate, it works out at 17·0, which is 1·2 below that for 1909. This is the lowest death rate yet recorded in the Borough.

TABLE C.—DEATH-RATES.

| Year.                          | Bermondsey. | Rotherhithe. | St. Olave. | Whole Borough. | London. |
|--------------------------------|-------------|--------------|------------|----------------|---------|
| 1900                           | 23·49       | 22·79        | 22·91      | 23·2           | 18·3    |
| 1901                           | 21·44       | 19·43        | 20·93      | 20·8           | 17·1    |
| 1902                           | 21·66       | 19·30        | 24·62      | 21·2           | 17·2    |
| 1903                           | 18·54       | 17·08        | 22·23      | 18·4           | 15·1    |
| 1904                           | 19·91       | 18·59        | 27·65      | 20·1           | 16·0    |
| 1905                           | 19·51       | 15·78        | 22·98      | 18·6           | 15·1    |
| 1906                           | 19·80       | 18·36        | 25·08      | 19·7           | 15·1    |
| 1907                           | 18·45       | 17·51        | 20·25      | 18·3           | 14·6    |
| 1908                           | 19·42       | 15·70        | 27·78      | 18·8           | 13·8    |
| 1909                           | 19·20       | 17·14        | 22·70      | 18·8           | 14·0    |
| Average for years 1900–1909    | 20·14       | 18·17        | 23·71      | 19·8           | 15·6    |
| 1910—                          |             |              |            |                |         |
| On estimated population...     | 17·72       | 15·81        | 25·67      | 17·6           | 12·7    |
| On Census population, 1901 ... | 17·47       | 15·67        | 18·84      | 17·0           |         |

TABLE D.—INCREASE OR DECREASE OF DEATHS FROM VARIOUS DISEASES IN 1910 COMPARED WITH 1909.

| Increase.                                    |     |     |     |     |    | Decrease.                                |     |     |     |     |     |
|--|-----|-----|-----|-----|----|--|-----|-----|-----|-----|-----|
| Diphtheria ... ..                            | ... | ... | ... | ... | 6  | Measles ... ..                           | ... | ... | ... | ... | 53  |
| Enteric Fever ... ..                         | ... | ... | ... | ... | 2  | Scarlet Fever ... ..                     | ... | ... | ... | ... | 3   |
| Diarrhoea ... ..                             | ... | ... | ... | ... | 1  | Whooping Cough ... ..                    | ... | ... | ... | ... | 10  |
| Enteritis ... ..                             | ... | ... | ... | ... | 2  | Typus Fever ... ..                       | ... | ... | ... | ... | 1   |
| Cancer ... ..                                | ... | ... | ... | ... | 11 | Influenza ... ..                         | ... | ... | ... | ... | 7   |
| Other Respiratory Diseases ... ..            | ... | ... | ... | ... | 10 | Gastritis ... ..                         | ... | ... | ... | ... | 6   |
| Premature Birth ... ..                       | ... | ... | ... | ... | 1  | Erysipelas ... ..                        | ... | ... | ... | ... | 5   |
| Diseases and Accidents of Parturition ... .. | ... | ... | ... | ... | 2  | Puerperal Fever ... ..                   | ... | ... | ... | ... | 1   |
| Accidents ... ..                             | ... | ... | ... | ... | 32 | Phthisis ... ..                          | ... | ... | ... | ... | 1   |
| Suicides ... ..                              | ... | ... | ... | ... | 8  | Other Tubercular Diseases ... ..         | ... | ... | ... | ... | 42  |
|  |     |     |     |     |    | Bronchitis ... ..                        | ... | ... | ... | ... | 29  |
|  |     |     |     |     |    | Pneumonia ... ..                         | ... | ... | ... | ... | 12  |
|  |     |     |     |     |    | Alcoholism and Cirrhosis of Liver ... .. | ... | ... | ... | ... | 4   |
|  |     |     |     |     |    | Venereal Diseases ... ..                 | ... | ... | ... | ... | 7   |
|  |     |     |     |     |    | Heart Diseases ... ..                    | ... | ... | ... | ... | 1   |
|  |     |     |     |     |    | Other causes ... ..                      | ... | ... | ... | ... | 51  |
| Total ... ..                                 | ... | ... | ... | ... | 75 | Total ... ..                             | ... | ... | ... | ... | 233 |

It will be seen from the above that the increases amount to 75 and the decreases to 233.

Accidental deaths are chiefly accountable for the increase, whereas the principal cause of the decrease is the diminished number of deaths from measles, tubercular diseases, bronchitis and pneumonia.

In column 1, foot of Table I. of the Appendix, will be found a list of places where deaths of non-parishioners occurred in the district. There were 30 such deaths in all, against 26 in 1909, and 37 in 1908.

12 such deaths occurred in the infirmary; 12 in River Thames and Docks; 1 on the railway, 2 in private houses, and 3 in the street.

542 persons belonging to this Borough died in outlying institutions, against 466 in 1909, and 530 in 1908. The names of the various places where the deaths occurred will be found in columns 2 and 3 at foot of Table I. of Appendix.

TABLE E.—DEATH-RATES CORRECTED FOR AGE AND SEX CONSTITUTION OF THE VARIOUS POPULATIONS, 1910.

| Area.                       | Factor for<br>Correction<br>for age<br>and sex<br>distribution | Crude Death-<br>rate per 1,000<br>persons living. | Corrected<br>Death-rate<br>per 1,000<br>persons living. | Comparative<br>Mortality<br>Figures. |
|-----------------------------|--|---|---|--------------------------------------|
|                             |  | 1910.   | 1910.   | 1910.                                |
| England and Wales ... ..    | 1·0000   | 13·36   | 13·36   | 1,000                                |
| London, County of ... ..    | 1·0511   | 12·71   | 13·36   | 1,000                                |
| Paddington ... ..           | 1·0677   | 11·77   | 12·57   | 941                                  |
| Kensington ... ..           | 1·0778   | 11·89   | 12·82   | 960                                  |
| Hammersmith ... ..          | 1·0414   | 12·19   | 12·69   | 950                                  |
| Fulham ... ..               | 1·0462   | 10·55   | 11·04   | 826                                  |
| Chelsea ... ..              | 1·0361   | 12·62   | 13·08   | 979                                  |
| Westminster, City of ... .. | 1·1217   | 11·35   | 12·73   | 953                                  |
| St. Marylebone ... ..       | 1·0652   | 12·82   | 13·66   | 1,022                                |
| Hampstead ... ..            | 1·1280   | 8·61  | 9·71  | 727                                  |
| St. Pancras ... ..          | 1·0456   | 13·75   | 14·38   | 1,076                                |
| Islington ... ..            | 1·0391   | 12·85   | 13·35   | 999                                  |
| Stoke Newington ... ..      | 1·0438   | 10·97   | 11·45   | 857                                  |
| Hackney ... ..              | 1·0420   | 11·69   | 12·18   | 912                                  |
| Holborn ... ..              | 1·0766   | 14·94   | 16·08   | 1,204                                |
| Finsbury ... ..             | 1·0355   | 17·56   | 18·18   | 1,361                                |
| City of London ... ..       | 1·0993   | 15·45   | 16·98   | 1,271                                |
| Shoreditch ... ..           | 1·0493   | 16·70   | 17·52   | 1,311                                |
| Bethnal Green ... ..        | 1·0102   | 15·32   | 15·48   | 1,159                                |
| Stepney ... ..              | 1·0450   | 13·72   | 14·34   | 1,073                                |
| Poplar ... ..               | 1·0314   | 15·17   | 15·65   | 1,171                                |
| Southwark ... ..            | 1·0450   | 15·91   | 16·63   | 1,245                                |
| Lambeth ... ..              | 1·0320   | 12·54   | 12·94   | 969                                  |
| Battersea ... ..            | 1·0728   | 11·29   | 12·11   | 906                                  |
| Wandsworth ... ..           | 1·0547   | 10·17   | 10·73   | 803                                  |
| Camberwell ... ..           | 1·0373   | 12·06   | 12·51   | 936                                  |
| Deptford ... ..             | 1·0511   | 13·97   | 14·68   | 1,099                                |
| Greenwich ... ..            | 1·0210   | 11·60   | 11·84   | 886                                  |
| Lewisham ... ..             | 1·0420   | 9·64  | 10·04   | 751                                  |
| Woolwich ... ..             | 1·0690   | 10·46   | 11·18   | 837                                  |
| BERMONDSEY ... ..           | 1·0244   | 17·65   | 18·08   | 1,353                                |

NOTE.—The following extract from a previous report explains Table E:—

"Since the mortality per thousand living is much greater among children under 5 and old people, and is higher at practically all ages among men, it follows that a community which has a preponderance of these elements will have, *ceteris paribus*, a higher death-rate than one which has not.

"The age and sex distribution of the population of England and Wales being taken as a standard to all communities within their borders, the death-rates of different localities can be calculated on the assumption that they have the same proportions of children under 5, old people, and women as have the population of England and Wales. By thus eliminating this disturbing factor of age and sex distribution different communities can be brought into strict comparison with one another.

"In 1883 the Registrar-General commenced a method of correcting the death-rates of the great towns of England and Wales. Taking account of the differences of age and sex distribution between these and the latter, he has calculated a factor for each great town by which the recorded death-rate must be multiplied so as to allow for the differences of age and sex, and thus places them as regards these matters on an equal footing. You thus get death-rates the difference in which we can put down to general sanitary conditions alone. In illustration of this I have taken the above figures from the Registrar-General's Annual Summary for 1910 to form Table E.

"It will be seen from this that in London and the Boroughs the correction raises the death-rate, showing that there is in them a preponderance of people living at ages when the death-rate is low (*viz.*, between 5 and 50), and also of women, sufficient to keep the recorded death-rate down, notwithstanding the great number of children under 5."

TABLE F.—INFANTILE MORTALITY.

| Year.                          | Bermondsey.    |                        | Rotherhithe.   |                        | St. Olave.     |                        | Whole Borough. |                        | London.        |                        |
|--------------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|
|                                | No. of Deaths. | Rate per 1,000 Births. | No. of Deaths. | Rate per 1,000 Births. | No. of Deaths. | Rate per 1,000 Births. | No. of Deaths. | Rate per 1,000 Births. | No. of Deaths. | Rate per 1,000 Births. |
| 1900                           | 526            | 186                    | 243            | 205                    | 48             | 120                    | 817            | 185                    | 20,730         | 158                    |
| 1901                           | 497            | 170                    | 215            | 176                    | 42             | 132                    | 754            | 169                    | 19,412         | 148                    |
| 1902                           | 455            | 159                    | 174            | 149                    | 49             | 153                    | 678            | 156                    | 18,478         | 139                    |
| 1903                           | 428            | 153                    | 179            | 160                    | 50             | 176                    | 657            | 156                    | 16,978         | 130                    |
| 1904                           | 477            | 173                    | 187            | 173                    | 59             | 163                    | 723            | 172                    | 18,600         | 143                    |
| 1905                           | 422            | 146                    | 164            | 145                    | 45             | 170                    | 631            | 147                    | 16,324         | 129                    |
| 1906                           | 408            | 115                    | 170            | 156                    | 46             | 178                    | 624            | 155                    | 16,307         | 130                    |
| 1907                           | 335            | 125                    | 144            | 130                    | 22             | 96                     | 501            | 125                    | 14,114         | 116                    |
| 1908                           | 411            | 147                    | 151            | 134                    | 48             | 186                    | 610            | 146                    | 13,943         | 113                    |
| 1909                           | 396            | 144                    | 143            | 134                    | 34             | 137                    | 573            | 141                    | 12,582         | 108                    |
| Average for years 1900 to 1909 | 435            | 152                    | 177            | 156                    | 44             | 151                    | 657            | 155                    | 16,747         | 131                    |
| 1910                           | 341            | 128                    | 135            | 130                    | 26             | 101                    | 502            | 127                    | 11,809         | 103                    |

It is satisfactory to note in the above table that there is a large reduction in the infantile mortality. Judging from the figure for London this reduction seems to have been general, and it will probably be found to apply to the Provinces as well. Part of this reduction is no doubt due to the cold wet summer, for it will be remembered that any fine weather we had did not come until September. Part is also due to the work of the Health Visitor, which was in full swing during the year under report, but how much will be difficult to say.

As the work of the Health Visitor deals substantially with this subject, the reader is referred to the section of this report dealing with her work.

TABLE G.

| Year.                          | All Causes. |       | Principal Zymotic Diseases. |       | Small-pox. |       | Measles. |       | Scarlet Fever. |       | Diphtheria. |       | Whooping Cough. |       | Typhus Fever. |       | Enteric Fever. |       | Pyrexia. (Origin uncertain). |       | Diarrhoea. |       |
|--------------------------------|-------------|-------|-----------------------------|-------|------------|-------|----------|-------|----------------|-------|-------------|-------|-----------------|-------|---------------|-------|----------------|-------|------------------------------|-------|------------|-------|
|                                | No.         | Rate. | No.                         | Rate. | No.        | Rate. | No.      | Rate. | No.            | Rate. | No.         | Rate. | No.             | Rate. | No.           | Rate. | No.            | Rate. | No.                          | Rate. | No.        | Rate. |
| 1900                           | 3062        | 23.2  | 437                         | 3.32  | —          | —     | 87       | .66   | 14             | .11   | 88          | .67   | 94              | .71   | —             | —     | 37             | .28   | —                            | —     | 117        | .89   |
| 1901                           | 2719        | 20.8  | 382                         | 2.92  | 14         | .10   | 76       | .58   | 45             | .34   | 36          | .27   | 56              | .42   | —             | —     | 22             | .16   | —                            | —     | 133        | 1.0   |
| 1902                           | 2756        | 21.2  | 396                         | 3.06  | 31         | .24   | 154      | 1.19  | 18             | .14   | 29          | .22   | 64              | .49   | —             | —     | 12             | .09   | —                            | —     | 88         | .68   |
| 1903                           | 2382        | 18.4  | 251                         | 1.96  | —          | —     | 50       | .39   | 25             | .19   | 18          | .14   | 41              | .32   | 4             | .03   | 11             | .09   | —                            | —     | 103        | .80   |
| 1904                           | 2593        | 20.1  | 444                         | 3.44  | —          | —     | 136      | 1.05  | 18             | .14   | 17          | .13   | 68              | .53   | —             | —     | 16             | .13   | —                            | —     | 189        | 1.46  |
| 1905                           | 2399        | 18.6  | 257                         | 2.23  | 1          | .01   | 59       | .45   | 17             | .13   | 18          | .14   | 38              | .29   | —             | —     | 9              | .07   | —                            | —     | 145        | 1.13  |
| 1906                           | 2529        | 19.7  | 400                         | 3.12  | —          | —     | 94       | .73   | 30             | .23   | 34          | .27   | 50              | .39   | —             | —     | 4              | .03   | —                            | —     | 188        | 1.46  |
| 1907                           | 2338        | 18.3  | 223                         | 1.74  | —          | —     | 51       | .40   | 36             | .28   | 22          | .17   | 52              | .41   | —             | —     | 7              | .05   | —                            | —     | 55         | .43   |
| 1908                           | 2444        | 18.8  | 300                         | 2.31  | —          | —     | 105      | .81   | 26             | .20   | 26          | .20   | 18              | .14   | —             | —     | 12             | .09   | —                            | —     | 113        | .87   |
| 1909                           | 2387        | 18.8  | 368                         | 2.89  | —          | —     | 196      | 1.54  | 17             | .13   | 12          | .09   | 54              | .42   | 1             | .00   | 2              | .01   | —                            | —     | 86         | .68   |
| Average for years 1900 to 1909 | 2561        | 19.8  | 349                         | 2.70  | 4.6        | 0.3   | 101      | .78   | 25             | .19   | 30          | .23   | 53              | .41   | 5             | .00   | 13             | .10   | —                            | —     | 122        | .94   |
| 1910                           | 2229        | 17.6  | 310                         | 2.44  | —          | —     | 143      | 1.12  | 14             | .11   | 18          | .14   | 44              | .34   | —             | —     | 4              | .03   | —                            | —     | 87         | .68   |
| London 1910                    | 61756       | 12.7  | 5559                        | 1.14  | —          | —     | 1980     | .41   | 214            | .04   | 434         | .09   | 1363            | .28   | —             | —     | 196            | .04   | 4                            | .00   | 1368       | .28   |

There has been a decrease in the deaths from these diseases, the figures being 310, against 368 in the previous year, and 349 the average for the last ten years. This gives a zymotic death-rate of 2.44.

The total number of deaths from notifiable diseases, viz., scarlet fever, diphtheria, typhus fever, and enteric fever, was 36, compared with 32 in 1909, and for the non-notifiable, viz., measles, whooping cough, and diarrhoea, 274, compared with 336 in the previous year.

Measles, the deaths from which fell from 196 in 1909 to 143 in the year under report, entirely accounts for the decrease.

It will be noticed that the mortality from enteric fever for London as a whole is .04 and for Bermondsey .03. This we may regard as very satisfactory, since enteric fever is one of those diseases which is generally acted upon as affording some indication of the general efficiency in Public Health administration.

#### Senile Mortality.

The number of deaths over 65 years of age in 1910 was 443, compared with 470 in 1909.

*Death Certification.*

There were no uncertified deaths in 1910.

*Small-pox.*

There were no deaths from this cause in 1910.

*Measles.*

There were 143 deaths due to this disease, which is 42 above the average for the last ten years, and 53 below the number for 1909.

The deaths occurred in quarters as follows, viz.:—3, 29, 42, 69.

*Diarrhoea.*

Table H shows the connection between the meteorological conditions and deaths from this disease. The second table still emphasises that the most important factor in the prevention of diarrhoea is undoubtedly breast-feeding. If young children are breast-fed and given reasonable care, their chances of life are four or five times, and according to some authorities ten times, as great as children artificially fed, even when this is done under favourable conditions.

TABLE H.

| Weeks.            | Temperature of the Air. |       | Temperature of ground 3ft. below surface. |       | Rainfall. |       | Deaths from Diarrhoea. |       |
|-------------------|-------------------------|-------|---|-------|-----------|-------|------------------------|-------|
|                   | 1909.                   | 1910. | 1909.                                     | 1910. | 1909.     | 1910. | 1909.                  | 1910. |
|                   | °                       | °     | °   | °     | ins.      | ins.  |                        |       |
| July ...          | 61.9                    | 59.2  | 59.39                                     | 58.82 | 0.15      | 1.22  | —                      | 1     |
|                   | 59.9                    | 58.8  | 59.49                                     | 59.06 | 1.31      | 0.35  | 2                      | 1     |
|                   | 60.8                    | 60.2  | 59.68                                     | 60.12 | 0.26      | 0.85  | 2                      | —     |
| August ...        | 66.9                    | 60.7  | 61.25                                     | 60.48 | 0.00      | 0.18  | 3                      | —     |
|                   | 63.3                    | 62.7  | 62.79                                     | 60.13 | 0.82      | 0.19  | 4                      | 6     |
|                   | 58.1                    | 59.9  | 61.48                                     | 61.26 | 0.70      | 0.80  | 10                     | 2     |
| September ...     | 54.5                    | 58.3  | 60.19                                     | 60.59 | 0.30      | 0.41  | 7                      | 8     |
|                   | 54.5                    | 54.7  | 58.70                                     | 59.68 | 0.32      | 0.02  | 4                      | 3     |
|                   | 55.3                    | 56.1  | 57.87                                     | 58.71 | 0.58      | 0.66  | 8                      | 10    |
| October ...       | 56.3                    | 53.8  | 57.60                                     | 58.01 | 0.57      | 0.00  | 5                      | 7     |
|                   | 53.1                    | 58.6  | 57.11                                     | 57.35 | 0.72      | 0.10  | 4                      | 6     |
|                   | 55.8                    | 57.4  | 57.04                                     | 57.61 | 1.01      | 0.08  | 2                      | 2     |
| Weekly average... | 56.4                    | 53.1  | 56.28                                     | 57.23 | 0.59      | 0.61  | 2                      | 6     |
|                   | 55.7                    | 51.4  | 56.38                                     | 55.69 | 0.46      | 0.63  | 4                      | 9     |
| Weekly average... | 58.03                   | 57.5  | 59.12                                     | 58.90 | 0.55      | 0.43  | 4                      | 4     |

TABLE I.—DEATHS FROM DIARRHOEA.

| Year. | Cases Inquired into. | State of Premises. |       |           | Family.            |                        | Method of Feeding. |               |                            | Over-crowding. |
|-------|----------------------|--------------------|-------|-----------|--------------------|------------------------|--------------------|---------------|----------------------------|----------------|
|       |                      | Good.              | Fair. | Defective | Clean and Careful. | Dirty and Improvident. | Breast.            | Artificially. | Partially by both Methods. |                |
| 1901  | 74                   | 49                 | 23    | 2         | 70                 | 4                      | 13                 | 59            | 2                          | —              |
| 1902  | 40                   | 21                 | 18    | 1         | 37                 | 3                      | 6                  | 33            | 1                          | 1              |
| 1903  | 40                   | 15                 | 22    | 3         | 38                 | 2                      | 8                  | 29            | 3                          | —              |
| 1904  | 115                  | 55                 | 54    | 6         | 101                | 14                     | 16                 | 82            | 17                         | —              |
| 1905  | 65                   | 33                 | 29    | 3         | 56                 | 9                      | 5                  | 56            | 4                          | 1              |
| 1906  | 81                   | 40                 | 34    | 7         | 66                 | 15                     | 15                 | 50            | 16                         | 4              |
| 1907  | 21                   | 10                 | 9     | 2         | 16                 | 5                      | 4                  | 17            | —                          | 1              |
| 1908  | 46                   | 28                 | 16    | 2         | 45                 | 1                      | 8                  | 35            | 3                          | —              |
| 1909  | 51                   | 30                 | 19    | 2         | 47                 | 4                      | 5                  | 41            | 5                          | —              |
| 1910  | 38                   | 36                 | 1     | 1         | 33                 | 5                      | 6                  | 20            | 12                         | —              |
| Total | 571                  | 317                | 225   | 29        | 509                | 62                     | 86                 | 422           | 63                         | 7              |

*Whooping Cough.*

44 deaths were due to this cause, against 54 in 1909. The deaths occurred in quarters as follows: 14, 20, 13, 7.

*Typhus Fever.*

No deaths occurred from this disease.

*Enteric Fever.*

4 deaths were due to this cause, 1 in Bermondsey 2 in Rotherhithe, and 1 in St. Olave. The corresponding figures for 1909 were 2 for the Borough, viz., 1 in Bermondsey and 1 in Rotherhithe.

*Other Allied Diseases.*

3 deaths were registered under this heading, viz., 1 death from chicken-pox and 2 from cerebrospinal meningitis. An account of the latter will be found in the section of my report dealing with the notification of that disease.

*Tubercular Diseases.*

The number of deaths from all forms of tubercular disease in 1910 was 289, against 333 in 1909.

This figure comprises 197 for Bermondsey, 65 for Rotherhithe, and 27 for St. Olave. Of these, 219 were due to phthisis and 70 to the other tubercular diseases.

*Phthisis.*

In Table J. will be found particulars of deaths from phthisis since the year 1900. There were 219 deaths due to this cause, which is one less than the number recorded in the previous year.

TABLE J.—PHTHISIS.

| SUB-DISTRICT.                | BERMONDSEY. |       | ROTHERHITHE. |       | ST. OLAVE. |       | WHOLE BOROUGH. |       | LONDON. |       |
|------------------------------|-------------|-------|--------------|-------|------------|-------|----------------|-------|---------|-------|
| Year.                        | No.         | Rate. | No.          | Rate. | No.        | Rate. | No.            | Rate. | No.     | Rate. |
| 1900                         | 169         | 2.04  | 47           | 1.21  | 29         | 2.88  | 235            | 1.78  | 7809    | 1.71  |
| 1901                         | 150         | 1.82  | 57           | 1.48  | 19         | 1.95  | 226            | 1.73  | 7514    | 1.66  |
| 1902                         | 163         | 1.98  | 55           | 1.43  | 21         | 2.22  | 239            | 1.83  | 7424    | 1.62  |
| 1903                         | 147         | 1.79  | 56           | 1.46  | 18         | 1.96  | 221            | 1.70  | 7124    | 1.54  |
| 1904                         | 165         | 2.02  | 60           | 1.57  | 31         | 3.48  | 257            | 1.99  | 7526    | 1.62  |
| 1905                         | 148         | 1.81  | 55           | 1.44  | 20         | 2.32  | 223            | 1.73  | 6622    | 1.42  |
| 1906                         | 155         | 1.90  | 77           | 2.01  | 18         | 2.16  | 250            | 1.95  | 6775    | 1.44  |
| 1907                         | 150         | 1.84  | 68           | 1.78  | 19         | 2.36  | 237            | 1.85  | 6654    | 1.40  |
| 1908                         | 157         | 1.89  | 60           | 1.54  | 24         | 3.03  | 241            | 1.85  | 6419    | 1.32  |
| 1909                         | 147         | 1.80  | 56           | 1.46  | 17         | 2.27  | 220            | 1.73  | 6337    | 1.31  |
| Averages for years 1900-1909 | 155         | 1.89  | 59           | 1.56  | 22         | 2.46  | 235            | 18.1  | 7020    | 1.50  |
| 1910                         | 148         | 1.82  | 50           | 1.31  | 21         | 2.91  | 219            | 1.73  | 5555    | 1.14  |

*Alcoholism and Cirrhosis of the Liver.*

15 deaths were attributed to this cause in 1910, against 19 in 1909. This number gives a very small idea of the deaths caused by these diseases, since they are often the remote causes of death and are not always mentioned on the certificate for various reasons.

*Cancer.*

146 deaths were attributed to this cause, 137 being due to carcinoma, or cancer, as ordinarily understood, and 9 to sarcoma. This increase, as mentioned in last year's report, is not surprising, considering that the average life is longer, and more people now reach old age than formerly, in which period of life they are more prone to suffer from this disease. The Cancer Research Commission have not yet issued their final report on the subject.

TABLE K.—CANCER. DEATHS DURING 1903—1910 (inclusive).

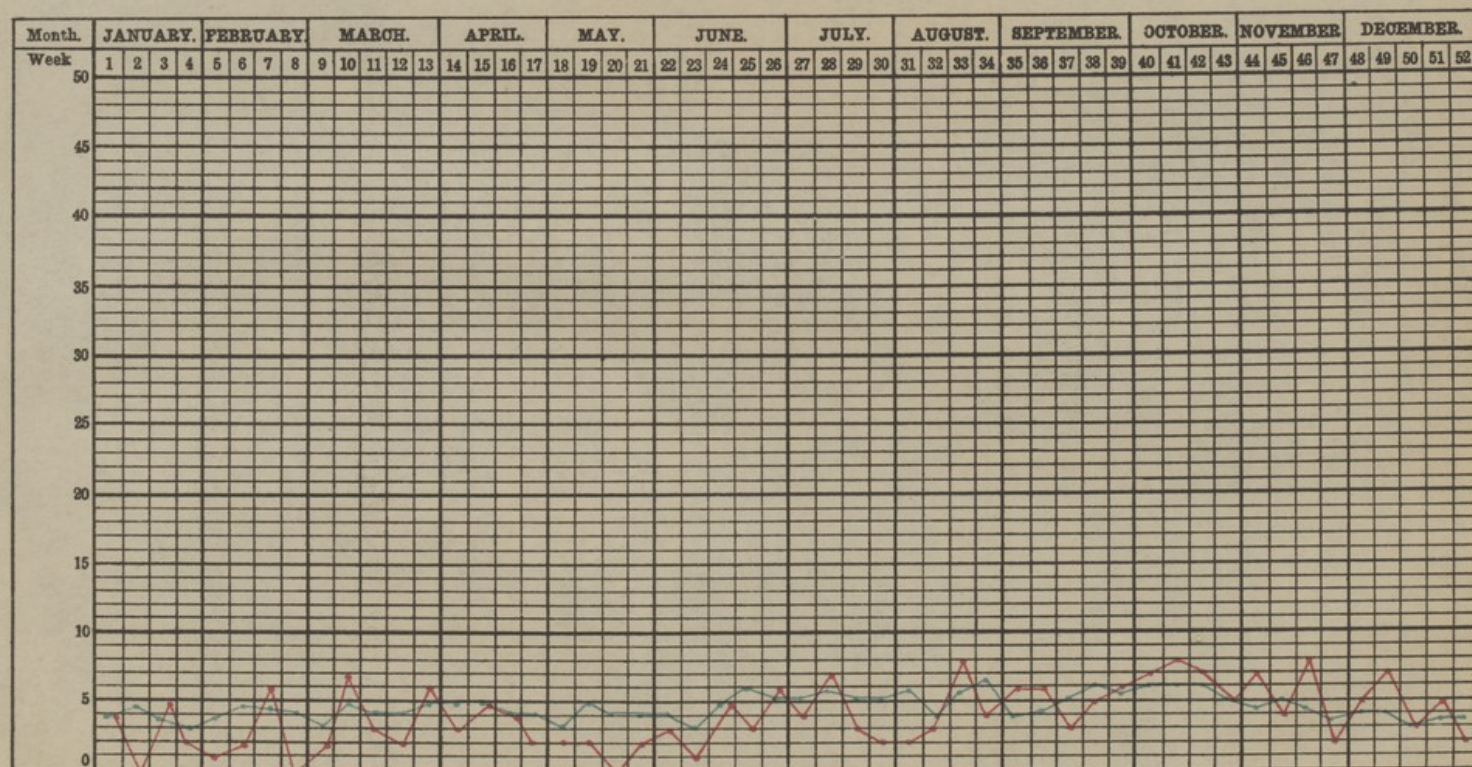
|  | All<br>ages | Under<br>15. |   | 15 to<br>20. |   | 20 to<br>25. |   | 25 to<br>35. |    | 35 to<br>45. |    | 45 to<br>55. |     | 55 to<br>65. |     | 65 to<br>75. |     | 75 to<br>85. |    | 85 & up-<br>wards. |   |
|--|-------------|--------------|---|--------------|---|--------------|---|--------------|----|--------------|----|--------------|-----|--------------|-----|--------------|-----|--------------|----|--------------------|---|
|  | Sex.        | M            | F | M            | F | M            | F | M            | F  | M            | F  | M            | F   | M            | F   | M            | F   | M            | F  | M                  | F |
| Cancer of rectum ...                                     | 74          | —            | — | —            | — | —            | 1 | 1            | —  | —            | 2  | 10           | 10  | 14           | 10  | 8            | 9   | 2            | 5  | 1                  | 1 |
| Cancer of stomach...                                     | 127         | —            | — | —            | — | 1            | — | 4            | 2  | 6            | 6  | 15           | 7   | 24           | 11  | 20           | 19  | 5            | 6  | 1                  | — |
| Cancer of bowel ...                                      | 25          | —            | — | —            | — | —            | — | 2            | 1  | —            | 1  | —            | 5   | 5            | 3   | 5            | 1   | 1            | 1  | —                  | — |
| Cancer of liver ...                                      | 117         | —            | — | —            | — | —            | — | 1            | —  | 2            | 4  | 13           | 16  | 17           | 19  | 6            | 22  | 7            | 9  | —                  | 1 |
| Cancer of breast ...                                     | 69          | —            | — | —            | — | —            | — | —            | 1  | —            | 13 | —            | 24  | —            | 15  | 1            | 10  | —            | 4  | —                  | 1 |
| Cancer of female<br>pelvis, uterus, &c.                  | 129         | —            | — | —            | — | —            | — | —            | 7  | —            | 24 | —            | 39  | —            | 38  | —            | 16  | —            | 4  | —                  | 1 |
| Cancer of oesophagus                                     | 63          | —            | — | —            | — | —            | — | —            | —  | 2            | —  | 15           | 3   | 21           | —   | 18           | 1   | 2            | 1  | —                  | — |
| Cancer of mouth,<br>tongue, pharynx<br>and lower jaw ... | 76          | —            | — | —            | — | —            | — | —            | —  | 6            | 1  | 17           | 1   | 23           | 3   | 15           | 2   | 6            | 2  | —                  | — |
| Cancer of peri-<br>toneum ...                            | 12          | —            | — | —            | — | —            | — | —            | —  | —            | 1  | 1            | 1   | 3            | 1   | 1            | 3   | —            | 1  | —                  | — |
| Cancer of other parts                                    | 184         | —            | — | —            | 1 | 1            | — | 1            | 1  | 13           | 8  | 27           | 12  | 39           | 20  | 27           | 21  | 10           | 1  | —                  | 2 |
| Malignant disease,<br>kind not stated ...                | 7           | —            | — | —            | — | —            | — | —            | —  | —            | 1  | —            | 1   | 2            | 1   | 1            | —   | 1            | —  | —                  | — |
| Sarcoma ...  | 66          | 8            | 5 | 4            | 2 | 3            | — | 3            | 3  | 7            | 4  | 8            | 3   | 5            | 3   | 5            | 2   | —            | 1  | —                  | — |
| Totals ...   | 949         | 8            | 5 | 4            | 3 | 5            | 1 | 12           | 15 | 36           | 65 | 106          | 122 | 153          | 124 | 107          | 106 | 34           | 35 | 2                  | 6 |



## DIPHTHERIA.

*Notifications, 1910, marked Red.*

*Average 10 years, 1901-1910, marked Green.*



*Heart Diseases.*

151 deaths were due to this cause, which number is 1 below that for the previous year. This refers to organic or valvular disease of the heart.

*Suicides.*

11 persons committed suicide in 1910, viz., 3 by poison, 5 by hanging, 2 by cut or stab, and 1 by precipitation from an elevated place.

*Accidents.*

90 deaths were due to accidents, against 58 in the previous year. Particulars will be found in the extended table of the Causes of Death in the Appendix.

*Other Violent Causes.*

There were no deaths by homicide during the year under report.

## II.—NOTIFICATION OF INFECTIOUS DISEASE.

In Table III. of Appendix will be found particulars of infectious diseases notified during the year under report.

The number of cases notified was 746, compared with 810 in 1909, and 1,121 in 1908. The diseases which show a decrease on the numbers for the previous year are scarlet fever (78), typhus fever (3), and erysipelas (9), while those showing an increase are smallpox (1), diphtheria (16), enteric fever (8), and cerebro-spinal meningitis (1). The number of cases notified in the registration sub-districts was 501 in Bermondsey against 517 in 1909, 192 in Rotherhithe against 249, and 53 in St. Olave against 44 in 1909.

The attack-rate per thousand inhabitants was 5.9, the rate for the sub-districts being 6.1 for Bermondsey, 5.0 for Rotherhithe, and 7.3 for St. Olave. The corresponding rates in the previous year were 6.4 for the Borough, 6.3 for Bermondsey, 6.5 for Rotherhithe, and 5.9 for St. Olave.

71 cases were returned from hospital as not suffering from the disease for which they were notified, but if allowance is made for mild unreported cases, the recorded notifications would, if anything, understate the actual number of cases. This number is somewhat larger than in the year 1909. The increase is difficult to account for, but in a working class population like Bermondsey one would expect this figure to remain higher than in a residential borough.

*Small-pox.*

One case was notified as suffering from small-pox, but was returned as not suffering from that disease.

*Typhus Fever.*

No cases of typhus fever were notified during the year under report.

*Diphtheria.*

There were 207 cases of diphtheria notified in 1910, of which 131 occurred in Bermondsey 61 in Rotherhithe, and 15 in St. Olave. This is a slight decrease on 1909, for which the figures were:—Borough, 191; Bermondsey, 131; Rotherhithe, 59, and St. Olave, 12. From the following table it will be seen that a general decrease has taken place throughout London.

CASES OF DIPHTHERIA NOTIFIED.

| Year.          | London. | Bermondsey. |
|----------------|---------|-------------|
| 1892           | 8,368   | 161         |
| 1893           | 13,712  | 367         |
| 1894           | 11,204  | 446         |
| 1895           | 11,231  | 281         |
| 1896           | 13,825  | 425         |
| 1897           | 13,217  | 393         |
| 1898           | 11,883  | 326         |
| 1899           | 13,711  | 734         |
| 1900           | 12,023  | 471         |
| 1901           | 12,156  | 329         |
| 1902           | 10,731  | 277         |
| 1903           | 7,738   | 172         |
| 1904           | 7,219   | 191         |
| 1905           | 6,482   | 165         |
| 1906           | 8,041   | 327         |
| 1907           | 8,779   | 311         |
| 1908           | 8,001   | 251         |
| 1909           | 6,679   | 191         |
| 1910           | 5,494   | 207         |
| Average ... .. | 10,026  | 317         |

The attack rate per thousand inhabitants was 1.6, against 1.5 in 1909. The case mortality was 8.7 per cent., against 6.3 per cent. in 1909 and 10.3 per cent. in 1908. 15 cases were returned as not suffering from this disease.

122 specimens were sent in by medical practitioners for bacteriological examination, against 134 in 1909 and 199 in 1908. Of these 27 were found to contain diphtheria bacilli, all of which were notified.

In 10 cases of diphtheria the source of infection was attributed to previous cases in the house or family.

Diphtheria is a disease caused by a characteristic bacillus known as the Klebs-Loeffler Bacillus, which occurs in the throats of persons attacked by the disease. It seems to be conveyed from person to person by direct contact, and there is no virulent disease which will spread more rapidly under certain circumstances than this will among school children. It is more or less directly conveyed from throat to throat by children passing sweets, slate pencils, and other articles which they are liable to put in their mouths, from one child to another. Kissing an affected person on the mouth will also frequently give rise to the disease, and an infected child coughing in the neighbourhood of non-infected ones will also often transmit the disease to them. Sometimes the bacilli will exist in the throat for a long time without producing any symptoms, but such children, while not suffering themselves, will be liable to convey the infection to others.

For this reason they have been called "carrier" cases, and, as expressed in previous reports, my belief is that a large part of the spread of the disease is due to such cases. Since 1902 an endeavour has been made in this Borough to prevent any of these "carrier" cases returning to school, and each Annual Report has contained some account of the working of the plan. This consists in getting the parents of a child which is notified as suffering from diphtheria to bring up the other members of the family within a week or so after the removal or recovery of the case to the municipal laboratory at the Town Hall for examination. If diphtheria bacilli are found in the throats they are excluded from school for a fortnight, and if then found to be free, are allowed to return to school. The number of children thus examined in 1910 was 260, belonging to 119 families. Out of this number 7 had diphtheria bacilli in their throats or noses, and one developed the clinical symptoms of diphtheria, and was therefore notified.

#### *Provision of Diphtheria Anti-toxin.*

In October, 1903, the Council decided to keep a small stock of diphtheria anti-toxin which was to be sold to practitioners in this Borough at cost price. The demand has not been very great, for only twenty bottles have been sold in the seven years. During the year 1909 six were sold, and so far none have been required this year. Each of these bottles contains a dose of 2,000 units, which is generally regarded as the minimum dose for curative purposes, and the cost is 2s. 3d. per bottle. The reason of this small demand is obviously due to the fact that the large majority of cases are removed to hospital within a few hours of notification, and very often before they are notified. In 1909, for instance, of 191 cases notified, 174 were removed at once to hospital and only 17 treated at home. No doubt the six bottles of anti-toxin were used for the latter patients.

I believe it would be a very useful thing to have a free supply of anti-toxin at the Town Hall, and it would be specially useful for those doubtful cases which are sometimes held over twenty-four hours pending bacteriological diagnosis and for such cases as are kept at home. There is also another class in which it would be useful, viz., those cases which, while not suffering from diphtheria, have the infection in their throats or noses. They are very few in number, but when they exist are a great source of danger, as the infection may remain for a month or two. The most effective treatment for these would be small prophylactic doses of anti-toxin.

Taking these three classes into consideration, it is impossible to say how much will be required, but I do not think it will cost more than a few pounds. The case mortality of diphtheria for the Borough in 1909 was 6.3 per cent. This is very low and not more than a quarter to a sixth of that which obtained in the pre-anti-toxin times. I do not think, therefore, that diphtheria patients in this Borough have suffered much from delay in treatment. Diphtheria is a disease which is, of course, liable to break out suddenly at any time, especially in connection with a school, and for this as well as other reasons stated above I would recommend the Council to keep a small stock, say of one dozen tubes, the initial cost at the present rate being 27s., and this stock could be renewed from time to time as required. A letter should also be sent to the practitioners in the Borough advising them that tubes can be obtained free by application at the Town Hall. I do not think that any distinction should be made as to the social status of the patients, but that anti-toxin should be given free to any practitioner who asks for it.

The above report was made to the Public Health Committee on October 11th and from that time to the end of the year three tubes were applied for.

#### *Scarlet Fever.*

There were 361 cases of scarlet fever notified—260 for Bermondsey, 78 for Rotherhithe, and 23 for St. Olave. This is a decrease of 78 for the Borough on the total for 1909. The distribution of the disease in the various Wards, as shown in Table III. of Appendix, was fairly uniform.

54 cases were returned from hospital as not suffering from scarlet fever.

The accompanying chart shows the prevalence of the disease in each of the 52 weeks under report. The average notifications for the past nine years are shown in green.

There were 14 deaths, which gives a case mortality of 3.8 per cent. This is the same rate as that for the previous year. The disease, as in recent years, was of a mild type. The attack rate per thousand inhabitants was 2.8, against 3.4 in 1909.

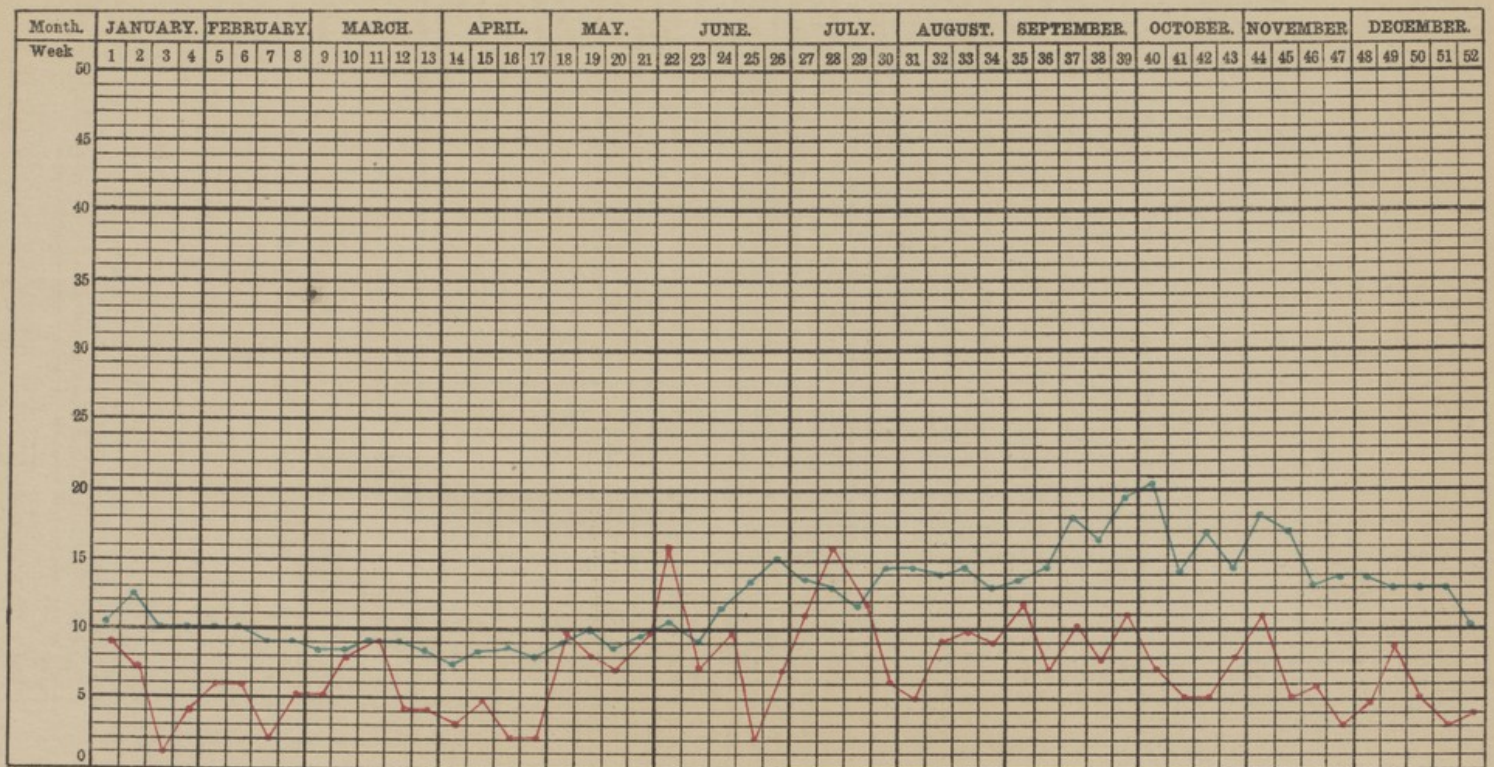
In 47 cases the source of infection was attributed as follow:—

|  |     |    |
|--|-----|----|
| Previous cases in house or family or neighbouring houses | ... | 35 |
| School infection   | ... | 6  |
| "Return" cases   | ... | 6  |

# SCARLET FEVER.

Notifications, 1910, marked Red.

Average 10 years, 1901-1910, marked Green.



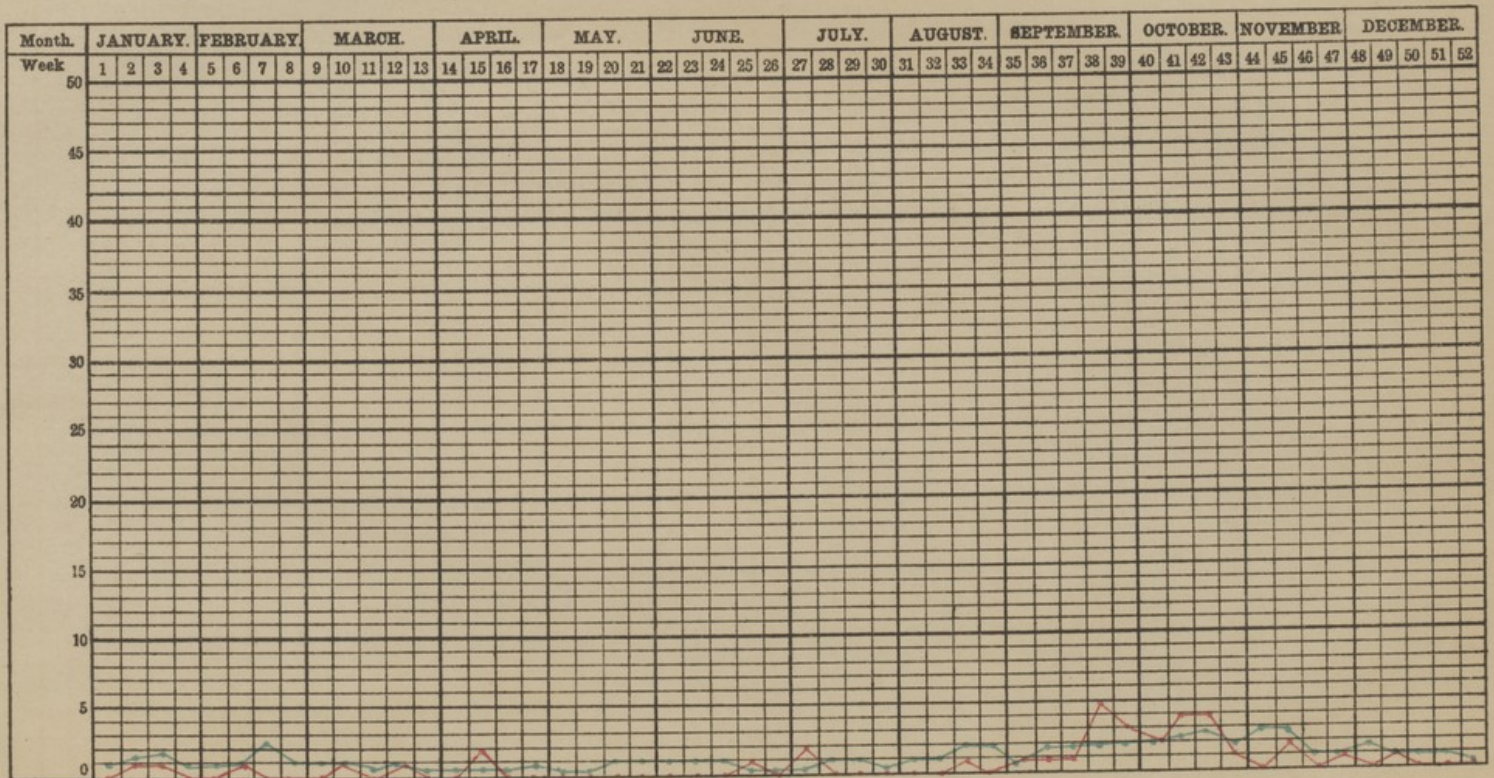




# ENTERIC FEVER.

Notifications, 1910, marked Red.

Average 10 years, 1901-1910, marked Green.



In the 6 cases classified as "return" cases the source of infection was some other member of the family or occupant of the same house who had returned from hospital after an attack of scarlet fever within a fortnight previous to the second case occurring. In this case the source of infection in the second case is presumed to be the child recently returned from hospital. The following statement on the subject is reprinted from my Annual Report for 1907:—"A good deal of attention has been given to these so-called 'return' cases on the part of the laity, and also by medical authorities, the former generally being inclined to attribute it to premature discharge from the infectious disease hospital. As stated, however, in previous reports, facts do not support this view, because in the first place the cases are very few compared with the number discharged, and in the second case it is sometimes those children who are detained months over the usual time and that cannot be considered to have been prematurely discharged who produce the disease.

"The micro-organism which produces scarlet fever has yet to be discovered, and the probability is that when this is made it will be found it behaves in a somewhat similar manner to diphtheria, and will be found to exist in the noses and throats of the patients who either have not got the disease at all, or who have recovered from an attack some considerable time previously. Those patients who have suffered from complications leading to pathological discharges from nose, throat and ears are more liable to spread the disease than simple, uncomplicated cases."

#### Measles.

The number of deaths for 1910 was 143, against 196 in 1909 and 105 in 1908.

The annexed table gives the number of notifications received from schools, the number of "contacts" excluded. In the first quarter there were only 3 deaths, in the second 29, in the third 42, and in the fourth 69.

As remarked in my previous report, there is no doubt that the infants' departments of the schools are very largely responsible for the spread of this disease, but the London County Council's regulations, of which the following is a copy, are strictly carried out:—

(1) Senior Departments—

(a) If a child has had measles it need not be excluded from attendance at school.

(b) If a child has not had measles it should be excluded from attendance at school for a period of 14 days from the date of the occurrence of the first case.

(2) Infants' Departments—

All children should be excluded from attendance at school for a period of 14 days from the date of the occurrence of the last case.

#### Enteric Fever.

37 cases of enteric fever were notified, being 21 for Bermondsey, 13 for Rotherhithe, and 3 for St. Olave. 1 case was returned as not suffering, making an actual total of 36. The total number of cases notified in the previous year was 29.

They may all be classified as sporadic, *i.e.*, isolated cases, so that there was nothing at all in the nature of an outbreak.

In 8 cases the source of infection was attributed as follows:—

|                     |     |     |     |     |     |   |
|---------------------|-----|-----|-----|-----|-----|---|
| From previous cases | ... | ... | ... | ... | ... | 5 |
| From eating mussels | ... | ... | ... | ... | ... | 2 |
| From eating oysters | ... | ... | ... | ... | ... | 1 |

#### Puerperal Fever.

6 cases of puerperal fever were notified. There were 3 deaths.

#### Membranous Croup.

No patients were notified as suffering from membranous croup.

#### Phthisis.

During the year 1910, 289 fresh cases of phthisis were notified. Of these 106 were notified voluntarily, compared with 102 in 1909, and 183 under the Poor Law Order, compared with 346 in the previous year. In the appended table will be seen particulars of cases notified in the various wards:—

|  | WHOLE BOROUGH. | BERMONDSEY WARDS. |    |    |    |    |    | ROTHERHITHE WARDS. |    |    | ST. OLAVE WARDS. |           |            |
|--|----------------|-------------------|----|----|----|----|----|--------------------|----|----|------------------|-----------|------------|
|  |                | 1                 | 2  | 3  | 4  | 5  | 6  | 1                  | 2  | 3  | St. John         | St. Olave | St. Thomas |
| Voluntary Notifications                          | 106            | 12                | 17 | 19 | 21 | 6  | 4  | 8                  | 7  | 3  | 6                | 1         | 2          |
| Poor Law Notifications                           | 183            | 33                | 27 | 17 | 5  | 10 | 20 | 27                 | 13 | 6  | 9                | 15        | 1          |
|  | 289            | 45                | 44 | 36 | 26 | 16 | 24 | 35                 | 20 | 9  | 15               | 16        | 3          |
| Re-notifications<br>(Changes of Address,<br>&c.) | 210            | 46                | 45 | 16 | 8  | 7  | 12 | 34                 | 6  | 9  | 12               | 10        | 5          |
| Rooms disinfected                                | 618            | 128               | 85 | 83 | 76 | 43 | 56 | 56                 | 39 | 32 | 11               | 4         | 5          |

The following is the special report on pulmonary tuberculosis, and measures to be taken in dealing with it, made to the Public Health Committee on June 14th, 1910:—

GENTLEMEN,—As a result of your instructions, I beg to submit the following report on the precautions now taken in this Borough to prevent the spread of pulmonary tuberculosis, together with suggestions as to their improvement.

Before entering into what we are already doing and what additional preventive measures we might undertake, it is advisable to give a short account of the cause and nature of the disease and state briefly the position of scientific opinion on the subject. The causes of tuberculosis have been fully entered into in previous reports, but for completeness it will be no harm to re-state them.

In describing the causes of any disease it is usual to refer to them as “predisposing” and “exciting”—the soil and the seed. Neither of these factors can be neglected in dealing with disease, though the importance of each varies with the particular disease, and also with the advance of scientific knowledge. At present more stress is being laid on the exciting causes, though the others are not being neglected, and this is probably due to the fact that the general improvement in health due to sanitary legislation and education is steadily proceeding and will proceed more or less automatically. On the other hand, the special causes of infectious disease, including tuberculosis, have only comparatively recently been discovered, and generally require special treatment, which must vary from time to time as our knowledge increases.

The widespread nature of tuberculosis is not generally appreciated by the laity, and it is only the pulmonary form, known as phthisis, which, on account of its obvious symptoms and ravages, is usually considered when formulating preventive measures. A sharp line, however, cannot be drawn between the various forms of tuberculosis, for one form is always liable to give rise to another, and every tubercular focus in our bodies is a potential source of danger.

A recent investigation goes to show that about 50 per cent of the general population are infected with tuberculosis, though only a small number of these develop definite symptoms of disease. Some investigators go so far as to state, as the result of post-mortem examinations, that only about 2 per cent. of the population are quite free from tuberculous infection during some period of their lives.

The presence of these latent foci of infection explains the occurrence of some cases of phthisis in which an obvious source of infection cannot be traced. While we are robust and in good health they do not develop and we are not aware of their existence, but as soon as privation or excesses, or other causes, lower our health and resisting power, the bacilli, imprisoned in these places, break loose and produce the well-known symptoms of consumption.

Infection thus acquired in childhood may not appear till middle life.

Now among predisposing causes you will find poverty, bad and insufficient food, overcrowding and want of fresh air, over-work, ignorance, alcoholism and heredity generally mentioned. As some of these causes, such as poverty, insufficient food, &c., are beyond our control as a municipality, and others involving overcrowding and want of fresh air are appreciated and being gradually dealt with, I do not purpose to discuss them further, but will deal with the exciting cause, for it is here that we are in a position to do a great deal more than we are doing.

The immediate cause of the disease is a micro-organism known as the tubercle bacillus. It is extremely small, and can only be detected by the most powerful microscopes. As far as we know, it does not exist in nature outside the animal body, and can only be made to grow on artificial media with difficulty. It may gain entrance into the body by swallowing or inhalation, and, if by the former, it passes through the wall of the intestinal canal, sometimes causing ulceration in its passage, but generally becoming arrested in the lymph glands, which act as our first line of defence. Here the bacillus may be killed at once or proceed to multiply, and in doing so may simply form a small nodule, which eventually becomes encapsuled and innocuous, or else may spread to other parts of the body. The disease in this region is known as *tabes mesenterica* or abdominal tuberculosis. If the bacillus proceeds to the brain coverings, you get tubercular meningitis, or to the joints, you may get hip disease, with “white swelling” of the knee, &c., or spinal disease. When the bacillus is inhaled, it generally, but not invariably, goes to the lungs and settles there, producing pulmonary tuberculosis or phthisis. Now the prevailing opinion is that inhalation is by far the commonest method, since much larger quantities can get into the system at one time, and with this opinion I am in accord, though there is no doubt that in some cases the bacillus may reach the lungs by the roundabout way of the alimentary canal.

Since therefore inhalation is the main method of the reception of the bacillus in the body, we may inquire whence these large numbers of bacilli arrive. They undoubtedly come from the coughing, spitting, and sneezing of consumptive patients. It has been proved over and over again that there are enormous numbers of bacilli in the sputum of phthisical patients, and I wish to note here that there are two distinct phases in which they may be inhaled. This may occur while the bacilli are fresh or dried. It is now known that for a couple of yards or more round every consumptive patient during and immediately following the act of coughing and sneezing the air is filled with little droplets of spray containing bacilli, and it is these droplets which may be inhaled before they have had time to settle. It seems that they are more virulent or active while wet, and this shows the importance of consumptives sleeping as much as possible quite alone. In the second phase the bacilli may at once sink to the floor and get dried, in which condition they may live for months, and though capable of giving rise to the disease, are not considered so dangerous as when damp.

At present there is no accurate method of calculating the actual number of cases of phthisis in Bermondsey, as we have not compulsory notification, but adopting the proportion of cases to deaths which is generally accepted by authorities, viz., 5 to 1, we get the number of cases in Bermondsey as  $220 \times 5 = 1,100$ , and from personal experience and observation I believe this is considerably understating the probable number.

TABLE I.

|  | Whole Borough. | Bermondsey Wards. |    |    |    |    |    | Rotherhithe Wards. |    |   | St. Olave Wards. |            |             |
|--|----------------|-------------------|----|----|----|----|----|--------------------|----|---|------------------|------------|-------------|
|  |                | 1                 | 2  | 3  | 4  | 5  | 6  | 1                  | 2  | 3 | St. John.        | St. Olave. | St. Thomas. |
| Voluntary Notifications...                   | 104            | 13                | 14 | 17 | 20 | 14 | 5  | 9                  | 7  | — | 2                | —          | 3           |
| Poor Law Notifications...                    | 235            | 45                | 23 | 27 | 12 | 9  | 25 | 44                 | 12 | 4 | 22               | 10         | 2           |
| Total ...                                    | 339            | 58                | 37 | 44 | 32 | 23 | 30 | 53                 | 19 | 4 | 24               | 10         | 5           |
| Re - Notifications (changes of address, &c.) | 242            | 39                | 42 | 16 | 23 | 7  | 26 | 40                 | 11 | 6 | 16               | 12         | 4           |
| Rooms Disinfected ...                        | 196            | 38                | 22 | 29 | 31 | 12 | 14 | 17                 | 18 | 6 | 5                | 2          | 2           |

In Table I. will be found the voluntary and poor law notification for the 52 weeks ended April 2nd, 1910. This period was chosen as it gives a year's working of the poor law notification after the scheme was well started, and from this it is evident that we only hear of a small number of probable cases. This much may, however, be said, that we hear of the majority of the advanced cases, for the poor law notifications consist of little else. In the case of the voluntary notifications we often get cases in the early stages, and before they are incapable of working.

The procedure as regards prevention is somewhat different according to whether the notification is voluntary or poor law. If the former, the case is visited directly by myself and the necessary inquiries made and precautions recommended. Disinfection is advised but not always accepted. We have, however, been more successful recently in getting this carried out, since the people are beginning to understand its value. Secondary visits are, as a rule, not paid, since time and other duties do not permit of it.

In the case of poor law notifications it has been found that as patients do not come under the guardians as a rule till the last stage of the illness, when they are no longer capable of supporting themselves or families, and see the parish doctor only as a preliminary to removal into the infirmary, it saves time to get the sanitary inspector to visit the house and see if the patient has gone or intends going into the infirmary. If the patient decides on the latter the names and ages of the contacts are obtained and disinfection is arranged for. Of the 235 poor law cases notified during the period to which the above table refers, 103 went into the infirmary either immediately or very shortly after notification, and those who elected to be treated at home were visited and advised by me.

It is these visits which have impressed me greatly with the necessity of doing something more to assist consumptives in their illness. For various reasons they do not care to go into the infirmary, and those who enter it generally do so from sheer necessity. It is a great pity that this should be so, since an infirmary to which advanced cases readily resorted would be a powerful weapon in preventing the spread of the disease.

You visit a house and find the father of the family in advanced phthisis, possibly bed-ridden, with one or two rooms at his disposal. He is sleeping in a room with other members of the family, not earning any money, and therefore has insufficient food and clothes, and there is added to this insufficient fresh air. With such a state of affairs, the advice of the Medical Officer of Health frequently seems somewhat farcical both to himself and to the patient. All I can offer him is a little disinfectant and a spit-pot.

Now in considering what further measures might be undertaken by the Council, it will assist if one considers the different classes of cases to be dealt with. "Consumptives" may be roughly divided into three classes, according to the stage of the disease. First you have a very small class of cases (as far as notification is concerned) in the very early stage which, with suitable treatment and after-care, may be considered curable. Such cases come under my notice through voluntary notification. The second class is larger and may be considered to include those which are still in the early stage or have just begun the second stage, and while not completely curable, still under suitable treatment can have the disease arrested sufficiently to enable them to follow their employment many years; and finally you have the third class, including cases in the late second and final stages. These are incurable and generally past work, and are probably the greatest danger to their families and neighbours.

#### *Prevention.*

##### (a) GENERAL.

In considering this matter there are some measures which would apply to all cases, and other measures which are only suitable for a particular class. Among the first is systematic visiting. Each case notified, whether poor law or voluntary, should be visited by a medical man, who would make careful inquiries as to the origin of the disease and the health of the other members of the patient's family and advise as to general measures to prevent spread and for the benefit of the patient. Such would include disposal of sputum, disinfection, sleeping accommodation, ventilation, sunlight, and also inquiry into the general sanitary condition of the home, abatement of any nuisance, such as overcrowding, dirt, verminous conditions, &c.: he could arrange for systematic disinfection, and, in conjunction with the medical attendant, classify the patient in view of any further measures which might be thought desirable. The case should be followed up by systematic visits of the Health Visitor at such intervals as occasion requires. She would see that all precautions and recommendations were being carried out faithfully, and in cases which were being assisted in any way by the Council that the conditions were complied with. This should be part of the work

of a properly instructed Health Visitor, and is not suitable work for a male sanitary inspector. Where possible, all rooms should be sprayed weekly (as at present done), sputum-pots provided, and a precautionary leaflet distributed.

This health visiting may be very advantageously done, as sketched above, but the Council have powers to extend this work and do a certain amount of treatment. This extension could take the form of the tuberculosis dispensary. A dispensary was first started in Edinburgh over 25 years ago by Dr. Phillips, and has been extensively copied all over the world. One of the latest municipalities to take it up is that of the Borough of Paddington; here a house was taken and fitted up as a dispensary by voluntary subscriptions, and in it patients who are suffering from, or suspected to be suffering from, phthisis are systematically examined, advised, given medicine, weighed, &c. The staff consists of a doctor, nurse, Health Visitor and porter. Cases are visited at their own homes where necessary by the doctor, followed up by the Health Visitor. The dispensary is under a committee, who work in conjunction with the Borough Council and the various philanthropic agencies in the Borough. The cost is about £700 per annum.

This work could also very suitably be undertaken by the Borough Council, but it would require additional staff and accommodation.

#### (b) SPECIAL.

There are certain special measures which are recommended in the Memorandum of the Medical Officer of the Local Government Board, copies of which have been supplied to the Committee, and I shall consider them in connection with the three classes of patients mentioned previously.

*Classes I. & II.*—Now of these Class I. is the most suitable for the out-door sanatorium treatment, and this the Borough Council are entitled to expend money on by virtue of the Public Health (Tuberculosis) Regulations of 1908. These give power under Section 75 of the Public Health (London) Act, 1891, to provide hospital accommodation for certain infectious diseases. Endeavour has been made in London during the past eight years to get some central body, such as the Metropolitan Asylums Board, to take the matter up and provide sanatoria for cases of consumption, but nothing whatever has been done towards this; and while public bodies are arguing who is to take the matter up, I think it is the best that the Borough Council follow the example of Woolwich and contract for the use of beds in one of the private sanatoria.

The above Borough contracts for seven beds at a cost of 28s. per bed when they are occupied and 20s. when unoccupied, but the charge is now raised to 30s. The institution is the Peppard Sanatorium, and the results so far have been very satisfactory. In 1908 38 patients were admitted and 38 discharged. Of the discharged 14 stayed one month, 8 two months, 6 three months, 5 four months, 3 five months, and 1 six months. None died in the sanatorium, and all but 3 returned home improved in general health and showing increase of weight.

There are generally more applicants than can be admitted, but the cases have to be carefully sorted out before sending, since many are too advanced to receive any benefit. When patients come out of the sanatorium they should be systematically visited and helped, where necessary, to get occupations which will be suitable for their condition, otherwise much of the benefit of their stay there is thrown away.

Another measure which could with great advantage be adopted for this class as well as a portion of the second class is the provision of wooden shelters, where they would have an opportunity of carrying on the open-air treatment in their own homes.

The Paddington Dispensary have four such shelters in use, which cost £4 10s. each. They consist of movable wooden sheds, closed in on three sides and completely open on the remaining side. They are large enough to contain a single bed, and the patients soon get used to sleeping out in the open air. I visited two which are in use in Paddington, and both the patients, who belonged to the working class and had been sleeping out for a year in these shelters, which were placed in their backyards, expressed themselves as highly satisfied with the result, and feeling much the better for it.

The provision of such shelters, however, is closely bound up with the question of health visiting, which must be systematically done, to see that proper use is being made of them.

Another measure which would apply to these classes as well as the more advanced cases is the provision of separate beds and bedroom accommodation for those cases in which the homes are overcrowded and in which the patients are obliged to sleep in a room with other members of their family. This is extremely common in Bermondsey and could be remedied to some extent by the letting out on loan of single beds, so that the patients would not be so likely to infect their relatives. In a certain number of cases also an extra room could be hired in the house, so as to give the patient an opportunity of sleeping alone. The disease, as is well known, is specially liable to spread from husband to wife, and the same remark applies to children which sleep in the room with phthisical parents.

*Class III.*—As regards precautionary measures which are to be taken for advanced and incurable cases, we are greatly handicapped. The proper method undoubtedly is for them to be segregated in suitable homes or hospitals, and the provision of these should form part of a general scheme by some central body. In the meantime, however, the only available institution we have is the poor law infirmary, and there is, as previously mentioned, a great aversion to this. I think it is a great pity that the Bermondsey Guardians, when altering the infirmary recently, did not bring the building a little more in line with the requirements of the modern treatment of consumption, as suggested by me, so as to induce consumptives, especially advanced cases, to enter and remain there.

In view of the above considerations, I beg to put my recommendations in definite form as follows. I am not mentioning the question of the tuberculosis dispensary, since while I think such an institution very desirable, I prefer to leave it for a future occasion.

(a) That cases of phthisis remaining at home should be visited as hitherto by the Medical Officer of Health, these visits to be followed up by systematic periodical visits of the Health Visitor.

(b) That these beds be contracted for in one of the sanatoria, at a cost of about 30s. per week when occupied and 20s. when not occupied, where suitable cases could receive treatment.

(c) The purchase by the Council of three or four shelters which could be given on loan to suitable cases for home treatment.

(d) The provision of a few single beds, which could be also given on loan in suitable cases.

(e) That arrangements be made for the hire of an extra room in suitable cases, and after report to the Public Health Committee by the Medical Officer as to the suitability of the cases for such assistance.

#### Health Visitor.

As the duties outlined in this special report add considerably to the work of the Health Visitor, it will be necessary to consider her duties with a view of appointing some one to assist in carrying out the work.

The following table shows the work done by the Health Visitor during the year ended April 2nd, 1910:—

TABLE II.

|   |     |       | Whole<br>Borough. | Bermondsey Wards. |     |     |     |     |     | Rotherhithe<br>Wards. |     |     | St. Olave<br>Wards. |               |                |  |
|---|-----|-------|-------------------|-------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|---------------------|---------------|----------------|--|
|   |     |       |                   | 1                 | 2   | 3   | 4   | 5   | 6   | 1                     | 2   | 3   | St.<br>John         | St.<br>Olave. | St.<br>Thomas. |  |
| Births Notified :—  |     |       |                   |                   |     |     |     |     |     |                       |     |     |                     |               |                |  |
| By Guy's Hospital...  | ... | 1,478 | 483               | 345               | 260 | 3   | 6   | 226 | 5   | 2                     | —   | 95  | 36                  | 17            |                |  |
| „ Midwives ...  | ... | 893   | 71                | 65                | 111 | 110 | 98  | 78  | 185 | 83                    | 44  | 26  | 17                  | 5             |                |  |
| „ Doctors...  | ... | 886   | 28                | 32                | 96  | 161 | 115 | 42  | 179 | 156                   | 48  | 27  | 1                   | 1             |                |  |
| „ Parents ...   | ... | 937   | 40                | 69                | 114 | 153 | 118 | 40  | 115 | 192                   | 69  | 23  | 3                   | 1             |                |  |
| Total   | ... | 4,194 | 622               | 511               | 581 | 427 | 337 | 386 | 484 | 433                   | 161 | 171 | 57                  | 24            |                |  |
| Births Visited :—   |     |       |                   |                   |     |     |     |     |     |                       |     |     |                     |               |                |  |
| Primary Visits  | ... | 2,743 | 643               | 377               | 413 | 208 | 204 | 288 | 260 | 74                    | 64  | 138 | 53                  | 21            |                |  |
| Secondary Visits  | ... | 344   | 113               | 68                | 58  | 20  | 11  | 37  | 15  | —                     | —   | 18  | 4                   | —             |                |  |
| Other Calls and Visits  | ... | 98    | 19                | 16                | 13  | 11  | 11  | 6   | 10  | 6                     | —   | 6   | —                   | —             |                |  |
| Total Visits Paid   | ... | 3,185 | 775               | 461               | 484 | 239 | 226 | 331 | 285 | 80                    | 64  | 162 | 57                  | 21            |                |  |
| Insanitary Conditions reported<br>to Medical Officer of Health... |     |       | 33                | 13                | 4   | 2   | —   | —   | 6   | 2                     | 1   | 1   | 4                   | —             | —              |  |

Table II. is compiled from the various reports given to the Committee from time to time, and relates to the 52 weeks ended April 2nd, 1910. From this it will be seen that 4,194 births have been notified in the Borough, and of these only 2,743 have received visits, the secondary visits being 344. As pointed out in all my annual reports, 95 per cent. of the population of this Borough consist of the working class, and there are very few houses where births occur which, in my opinion, should be exempted from visits by the Health Visitor.

The number of secondary visits is small, and these for several reasons are quite as important as the primary ones. In addition to the work shown in the table, the Health Visitor has her class for mothers every Tuesday afternoon. She also has various calls and visits to make as the result of complaints of the Care Committees of Schools.

There is also a very large number of complaints received about the verminous condition of children attending schools (from November, 1909, to March, 1910, 435), necessitating visits to the homes. Hitherto these have been attended to by the District Inspectors, but I do not consider it at all suitable work for male inspectors. In such cases it means not only visiting the home, but examining the bedding and the clothing of the inmates, and this can only be done satisfactorily by women inspectors.

Taking all these duties and the size of the Borough into consideration, it is absolutely impossible for one Health Visitor to undertake all the work, and the very least I can recommend is the appointment of another.

For administrative purposes I therefore recommend:—

(a) That the Borough be divided into two parts coterminous with the present districts of the Food Inspectors.

(b) That a Health Visitor be appointed for each district.

(c) That their duties should be to pay a visit to every house where a birth occurs; to pay secondary visits where necessary; to visit consumptives at such intervals as the Medical Officer may, from his knowledge of the cases, consider necessary, and also follow them up on changes of address; to visit homes where complaints are received as to the verminous condition of inmates, in order to arrange for suitable measures to get rid of the vermin; to visit homes where complaints are made by the School Care Committees, and do such other work as may from time to time be required by the Council.

Your obedient servant,

R. K. BROWN, M.D., *Medical Officer of Health.*

Recommendations adopted by the Council :—

(a) That cases of phthisis remaining at home should be visited, as hitherto, by the Medical Officer of Health, these visits to be followed up by systematic periodical visits of the Health Visitor.

(b) That three beds be contracted for in one of the sanatoria, at a cost of about 30s. per week when occupied and 20s. when not occupied, where suitable cases could receive treatment.

(c) The purchase by the Council of three or four shelters which could be given on loan to suitable cases for treatment.

#### *Sanatorium.*

On July 26th the Council decided to contract for three beds in one of the sanatoria. A full report of this will be given next year.

The following is a special report on the question of a sanatorium and the conditions under which patients will be received :—

#### PREVENTION OF CONSUMPTION.

I beg to report that in company with Councillor Richmond I visited Benenden Sanatorium on Thursday, September 15th, and in company with the Chairman and Councillor Richmond the Maitland Sanatorium, Peppard Common, on Saturday, September 17th. The following is a brief description of each sanatorium :—

Benenden Sanatorium is situated in Kent, about six to seven miles from Headcorn, which is on the main line between London Bridge and Dover. It takes a little over two hours to reach Headcorn, and the distance between this and Benenden can be covered by a vehicle in a little under an hour, or by a light railway which runs part of the distance. The sanatorium, which is built on two large farms comprising together about 250 acres, is situated in an undulating country mainly given over to agriculture, the geological formation being marl loam resting on greensand. The building is a large one of crescentic form with a southern aspect, and consists mainly of cubicles arranged in two stories, the majority containing two beds each. The cubicles are ventilated towards the north by windows, and towards the south they are fully open to passages which run the whole length of the building. These passages are ventilated direct to the open air by casement windows. There is no verandah, but the south windows open on to a terrace. The height above the sea level is 250 feet. The building is constructed of hollow tiles fitted into a suitable framework, and is put up in a very inexpensive style. There are administrative blocks attached to it for the Assistant Medical Officer, the nursing staff, &c., and the Medical Superintendent lives in a farmhouse some distance off. The drainage and general sanitary arrangements are very good. There are 101 beds for men only, 90 of which are at present occupied. The principal occupants of these are members of various trade unions, and might be described as of the artisan class. Recently a wing has been added for post office employees.

The system of treatment here is known as the open-air treatment, combined with graduated work. The graduated work consists of doing a certain amount of domestic work and walks of various distances according to the strength of the patient, until he gets up to the average work done by an agricultural labourer, and the results are said to be very good.

The fare from London Bridge to Headcorn is 3s. 10d., and by special arrangement with the Kent and East Sussex Railway, patients can be conveyed from there at 1s. 9d. per return journey.

By ordinary cab the cost from Headcorn to the sanatorium is 4s.

The cost per bed per annum is £78, *i.e.*, 30s. per week, but there is no rebate made on account of any period during which beds maintained at the annual charge may be unoccupied, whatever may be the cause. The regulations also state that, as far as possible, the patients nominated should be members of trade unions or friendly societies.

Maitland Sanatorium is situated on a farm of about 50 acres of arable and pasture land in an open district of the Chiltern Hills six miles from Reading, and adjoins an extensive gorse common. The buildings are quite of a different type from those at Benenden, and this is mainly explained by the development of the sanatorium itself. This began some ten years ago in a very small way as a single building, and additions have been made as required. These did not follow any special plan, but are scattered about the grounds in various directions. They are single storied, with large verandahs situated in front on to which the separate bedrooms open. The windows are specially made to open up and down like those in railway carriages, so that when the weather permits the patients get the full benefit of the "open window." Scattered over the grounds are several shelters each containing a single bed. They are the size of a small room, with windows on three sides and completely open in the front. They are made to turn on a pivot, so that their backs can always be turned to the side from which the wind is blowing. To obtain permission to sleep in one of these is one of the rewards of progress in health in the sanatorium, and patients are very anxious to get sufficiently well to avail themselves of this privilege. The site of the sanatorium consists of gravel situated on chalk, and is very dry, and the height above sea level is 375 feet. There are 55 beds, which include 8 for children and 12 for women. Reading can be reached from Paddington in a little under an hour at a cost of 3s., and from the former, patients are conveyed by an open trap or cab, at a cost of 4s. and 6s. 6d. respectively each way. The patients are admitted to the sanatorium for a month on trial, and then if not found suitable for any reason are returned home, but if suitable, are retained for a period of two months or more as arranged for. The system of treatment is the same as at Benenden, *viz.*, open air and graduated work, the latter being divided into three classes. For women the work consists of needlework, housework, gardening, Swedish drill, &c., in varying lengths. The patients seem very happy and comfortable. They are well fed, and have 2½ pints of milk per diem. The country in the neighbourhood seemed very healthy and picturesque. The charge here is £78 per annum per bed, and the authorities are willing to make an allowance of 10s. per week when beds are unoccupied.

The question now arises as to which sanatorium one should choose, for the terms of admission are very similar, and as regards treatment they both seem very efficient. In visiting Maitland Sanatorium we had the advantage of meeting the Medical Officer of Woolwich, who stated his Authority had had beds there for six years. He spoke very highly of the treatment and personal supervision, and the interest taken in the patients by the Medical Superintendent.

We are very much impressed by the administration of this sanatorium, which has the advantage of having beds for women and children and is somewhat less restrictive in the cases taken. I therefore recommend the Committee to take the three beds in the Maitland Sanatorium. I also recommend that the Committee adopt the following recommendations as a guidance in the choice of patients:—

- (1) Patients should be in quite an early stage, with reasonable prospect of cure.
- (2) They should be residents of Bermondsey of at least one year's standing.
- (3) People with a wage of over £2 10s. per week shall not be eligible.
- (4) Patients should pay their own travelling expenses, but power should be given to the Medical Officer of Health to pay these expenses in those cases that cannot afford them.

#### *Cerebro-spinal Meningitis.*

5 cases of the above disease were notified, viz.:—

S. T., 4 years, male, of 1, Woolf Street, was notified on April 21st as suffering from epidemic cerebro-spinal meningitis. The disease was diagnosed in Guy's Hospital, where the child was taken by the parents, and presented all the typical signs of this complaint, more so than any other case which has been notified in this Borough. A bacteriological examination was made, and the characteristic organism causing the disease was found in the spinal fluid.

As the organism which causes this disease has frequently been found on the Continent in the nasal pharynx, *i.e.*, the part of the throat situated above the soft palate and at the back of the nose, I sent the members of the family who were in immediate contact with the patient to Guy's Hospital Laboratory, where they were specially examined by Dr. Eyre. He found an organism in the throat which has the appearance of the organism causing the disease, known as meningococcus, but he was unable to state absolutely whether it was this organism, since it would take an extremely long and exhaustive inquiry to ascertain this. As the disease has shown little tendency to spread, I did not consider the results of such an inquiry would pay for the trouble and cost entailed. All the "contacts" were kept under observation, the usual disinfection carried out, and the children excluded from school.

D. J., 7 months, female, of 142, Tanner Street, was certified on April 17th as having died from posterior basic meningitis. This disease is looked upon as a sporadic form of cerebro-spinal meningitis, but the symptoms differ somewhat. The usual precautions were carried out in this case.

On May 25th, H. D., 6 months, male, of 41, Reverdy Road, was notified as suffering from cerebro-spinal meningitis. The patient died on May 23rd in Guy's Hospital.

On June 11th 2 cases of posterior basic meningitis were notified, viz.:—

E. B., 17 months, female, 3, Staple Street, and C. M., 4 months, female, 65, Alice Street. Both patients died in Guy's Hospital. The usual precautions as to disinfection, &c., were taken. The death in the latter case was certified to be due to tubercular meningitis.

#### *Anthrax.*

The following is a list of the cases of anthrax in connection with the Borough notified during 1910:—

| Date Notified<br>1910. | Name and Address<br>of Patient.     | Occupation.    | Part<br>affected. | Source of<br>Infection. | Result of<br>Illness. |
|------------------------|-------------------------------------|----------------|-------------------|-------------------------|-----------------------|
| July 9th ...           | A. C., Marcia Road                  | Wharf labourer | Forehead          | Foreign hides           | Recovered             |
| Dec. 30th ...          | C. L., Faircross<br>Avenue, Barking | Wharf labourer | Neck ...          | Cape sheep<br>skins     | Recovered             |

#### *Consultations.*

I was called in by medical practitioners to assist in the diagnosis of doubtful cases of infectious disease in 8 cases.

11 patients were also examined at the request of school teachers, parents, &c.

I examined at the Town Hall 23 phthisis patients, and 1 person who met with an accident at an underground convenience.

I also examined 7 members of the Council's staff.

CHILDREN EXCLUDED FROM SCHOOL ON ACCOUNT OF INFECTIOUS DISEASES.

| School.                       | Total Exclusions. | Scarlet Fever. |              | Diphtheria. |              | Enteric Fever. |              | Erysipelas. |              | Measles.  |              | German Measles. |              | Whooping Cough. |              | Chicken-pox. |              | Mumps.    |              | Ophthalmia. |              | Eczema.   |              |
|-------------------------------|-------------------|----------------|--------------|-------------|--------------|----------------|--------------|-------------|--------------|-----------|--------------|-----------------|--------------|-----------------|--------------|--------------|--------------|-----------|--------------|-------------|--------------|-----------|--------------|
|                               |                   | Patients.      | " Contacts." | Patients.   | " Contacts." | Patients.      | " Contacts." | Patients.   | " Contacts." | Patients. | " Contacts." | Patients.       | " Contacts." | Patients.       | " Contacts." | Patients.    | " Contacts." | Patients. | " Contacts." | Patients.   | " Contacts." | Patients. | " Contacts." |
| Albion Street                 | 260               | 9              | 13           | 8           | 30           | ...            | ...          | 1           | ...          | 68        | 38           | ...             | ...          | 2               | ...          | 10           | 2            | 56        | 23           | ...         | ...          | ...       | ...          |
| Alexis Street                 | 319               | 12             | 34           | 8           | 21           | ...            | ...          | ...         | ...          | 102       | 91           | ...             | ...          | 3               | 12           | 8            | 5            | 17        | 10           | 6           | ...          | ...       | ...          |
| Alma                          | 88                | 7              | 22           | 2           | 5            | ...            | ...          | ...         | ...          | 20        | 8            | ...             | ...          | ...             | ...          | 12           | ...          | 13        | 5            | 4           | ...          | ...       | ...          |
| Amicable                      | 8                 | 1              | 5            | ...         | 2            | ...            | ...          | ...         | ...          | ...       | ...          | ...             | ...          | ...             | ...          | ...          | ...          | ...       | ...          | ...         | ...          | ...       | ...          |
| All Saints                    | 10                | 1              | 2            | 2           | 5            | ...            | ...          | ...         | ...          | ...       | ...          | ...             | ...          | ...             | ...          | ...          | ...          | ...       | ...          | ...         | ...          | ...       | ...          |
| Brent's Court                 | 7                 | ...            | 1            | ...         | ...          | ...            | ...          | ...         | ...          | 1         | ...          | ...             | ...          | 2               | 12           | ...          | 1            | ...       | ...          | ...         | ...          | ...       | ...          |
| Bacon                         | 8                 | 1              | 6            | 1           | ...          | ...            | ...          | ...         | ...          | ...       | ...          | ...             | ...          | ...             | ...          | ...          | ...          | ...       | ...          | ...         | ...          | ...       | ...          |
| Butcher                       | 48                | 5              | 5            | 4           | 7            | 1              | ...          | ...         | ...          | 23        | 1            | ...             | ...          | ...             | ...          | 1            | ...          | 1         | ...          | ...         | ...          | ...       | ...          |
| Chaucer                       | 30                | 2              | 11           | ...         | 1            | ...            | ...          | ...         | ...          | 6         | 1            | ...             | ...          | 1               | ...          | 2            | 1            | 2         | ...          | 3           | ...          | ...       | ...          |
| Clarence Street               | 29                | 1              | 7            | ...         | 1            | ...            | ...          | ...         | ...          | 10        | 6            | ...             | ...          | 1               | ...          | ...          | ...          | 2         | 1            | ...         | ...          | ...       | ...          |
| Cow Lane                      | 104               | 1              | 8            | 3           | 10           | 1              | ...          | ...         | ...          | 12        | 12           | ...             | ...          | 47              | 6            | 2            | 1            | 1         | ...          | ...         | ...          | ...       | ...          |
| Christ Church                 | 86                | 6              | 16           | 1           | 6            | ...            | ...          | ...         | ...          | 5         | 8            | 1               | ...          | 20              | 12           | 5            | ...          | 6         | ...          | ...         | ...          | ...       | ...          |
| Credon Road                   | 19                | 2              | 5            | 2           | 2            | ...            | ...          | ...         | ...          | ...       | ...          | ...             | ...          | 1               | ...          | 1            | ...          | 6         | ...          | ...         | ...          | ...       | ...          |
| Cripple School, Old Kent Road | 3                 | ...            | ...          | ...         | 3            | ...            | ...          | ...         | ...          | ...       | ...          | ...             | ...          | ...             | ...          | ...          | ...          | ...       | ...          | ...         | ...          | ...       | ...          |
| Dockhead R.C.                 | 105               | 5              | 20           | 2           | 9            | ...            | ...          | ...         | ...          | 15        | 20           | ...             | ...          | 1               | ...          | ...          | ...          | 12        | 1            | 13          | ...          | 7         | ...          |
| Deptford Park                 | 1                 | 1              | ...          | ...         | ...          | ...            | ...          | ...         | ...          | ...       | ...          | ...             | ...          | ...             | ...          | ...          | ...          | ...       | ...          | ...         | ...          | ...       | ...          |
| East Lane                     | 89                | 7              | 30           | 2           | 15           | ...            | ...          | ...         | ...          | 20        | 12           | ...             | ...          | 1               | ...          | ...          | ...          | 2         | ...          | ...         | ...          | ...       | ...          |
| Fair Street                   | 221               | 8              | 26           | 4           | 25           | 1              | ...          | 1           | 2            | 39        | 23           | ...             | ...          | 23              | 2            | 34           | 10           | 15        | 4            | 2           | ...          | 2         | ...          |
| Farncombe Street              | 99                | 8              | 26           | 4           | 17           | 1              | ...          | ...         | ...          | 18        | 11           | ...             | ...          | 6               | ...          | 2            | 1            | 4         | ...          | 1           | ...          | ...       | ...          |
| Galleywall Road               | 116               | 17             | 24           | ...         | 3            | 1              | ...          | ...         | ...          | 21        | 7            | ...             | ...          | 23              | 4            | 10           | 3            | 2         | ...          | 1           | ...          | ...       | ...          |
| Galleywall Road (Special)     | 9                 | ...            | 2            | 1           | 2            | ...            | ...          | ...         | ...          | ...       | ...          | ...             | ...          | 2               | 1            | ...          | ...          | 1         | ...          | ...         | ...          | ...       | ...          |
| Grange Walk                   | 25                | 9              | 10           | 1           | 5            | ...            | ...          | ...         | ...          | ...       | ...          | ...             | ...          | ...             | ...          | ...          | ...          | ...       | ...          | ...         | ...          | ...       | ...          |
| Gomm                          | 17                | 4              | 6            | 2           | 4            | 1              | ...          | ...         | ...          | ...       | ...          | ...             | ...          | ...             | ...          | ...          | ...          | ...       | ...          | ...         | ...          | ...       | ...          |
| Holy Trinity                  | 21                | ...            | 7            | 2           | 7            | ...            | ...          | ...         | ...          | 3         | ...          | ...             | ...          | ...             | 12           | ...          | ...          | ...       | ...          | ...         | ...          | ...       | ...          |

|                                   |     |     |     |     |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------------------------------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Keetons Road                      | ... | ... | ... | ... | 565   | 16  | 34  | 4   | 12  | ... | ... | ... | ... | 115 | 140 | ... | ... | 49  | 12  | 53  | 32  | 60  | 35  | ... | ... | 3   | ... |
| Laxon Street                      | ... | ... | ... | ... | 112   | 2   | 12  | 2   | 3   | 3   | ... | ... | ... | 50  | 16  | ... | ... | 1   | ... | 3   | 2   | 16  | ... | 2   | ... | ... | ... |
| Magdalen Street                   | ... | ... | ... | ... | 42    | 4   | 5   | ... | 6   | ... | ... | ... | ... | 6   | 6   | ... | ... | ... | ... | 5   | ... | 7   | 1   | 1   | ... | 1   | ... |
| Mawbey Road                       | ... | ... | ... | ... | 12    | 2   | 4   | ... | ... | ... | ... | ... | ... | 6   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Melior Street                     | ... | ... | ... | ... | 74    | 1   | 3   | ... | 10  | 1   | ... | ... | ... | 2   | 2   | ... | ... | 8   | ... | 3   | 1   | 43  | ... | ... | ... | ... | ... |
| Mina Road                         | ... | ... | ... | ... | 6     | 2   | 4   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Monnow Road                       | ... | ... | ... | ... | 189   | 3   | 22  | 1   | 3   | ... | ... | ... | ... | 19  | 25  | ... | ... | 22  | 2   | 22  | 9   | 50  | 11  | ... | ... | ... | ... |
| Midway Place                      | ... | ... | ... | ... | 155   | 4   | 7   | 3   | 9   | 3   | ... | ... | ... | 54  | 24  | ... | ... | 9   | 3   | 8   | 3   | 12  | 5   | 7   | ... | 4   | ... |
| Neckinger                         | ... | ... | ... | ... | 140   | 5   | 25  | ... | 14  | ... | ... | ... | ... | 40  | 25  | ... | ... | 17  | ... | 4   | 3   | 16  | ... | ... | 1   | ... |     |
| Pages Walk                        | ... | ... | ... | ... | 196   | 13  | 29  | 2   | 14  | ... | ... | ... | ... | 46  | 38  | ... | ... | 7   | ... | 13  | 3   | 19  | ... | 11  | ... | 1   | ... |
| Private, Southwark Park Road      | ... | ... | ... | ... | 1     | ... | 1   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Rolls Road                        | ... | ... | ... | ... | 26    | 2   | 3   | 1   | 1   | ... | ... | ... | ... | 5   | 4   | ... | ... | 4   | ... | 2   | ... | ... | 2   | ... | 2   | ... | ... |
| Riley Street                      | ... | ... | ... | ... | 93    | 5   | 32  | 2   | 22  | 1   | ... | ... | ... | 5   | 18  | ... | ... | ... | 3   | 1   | ... | 1   | 2   | 1   | ... | ... | ... |
| Riley Street Special              | ... | ... | ... | ... | 2     | ... | 1   | ... | 1   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Rotherhithe New Road              | ... | ... | ... | ... | 107   | 6   | 10  | 2   | 2   | ... | ... | ... | 1   | 41  | 15  | ... | ... | 9   | ... | 8   | ... | 2   | 11  | ... | ... | ... | ... |
| St. James'                        | ... | ... | ... | ... | 159   | 2   | 17  | 2   | 1   | ... | ... | ... | ... | 34  | 49  | ... | ... | 9   | ... | 15  | ... | 19  | 7   | ... | ... | 4   | ... |
| St. Joseph's                      | ... | ... | ... | ... | 91    | 5   | 22  | 1   | 9   | 1   | ... | ... | 1   | 22  | 12  | ... | ... | 5   | ... | 7   | 2   | 4   | ... | ... | ... | ... | ... |
| St. Paul's Lane                   | ... | ... | ... | ... | 63    | 1   | ... | 1   | 2   | ... | ... | ... | ... | 3   | ... | ... | ... | 3   | 5   | 9   | 8   | 16  | 11  | 4   | ... | ... | ... |
| St. Mary's                        | ... | ... | ... | ... | 19    | 2   | 12  | 1   | 4   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Silwood Street                    | ... | ... | ... | ... | 19    | 1   | 1   | 1   | 3   | ... | ... | ... | ... | ... | 1   | ... | ... | ... | ... | ... | ... | 9   | 3   | ... | ... | ... | ... |
| Southwark Secondary, Yalding Road | ... | ... | ... | ... | 1     | 1   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| St. Barnabas                      | ... | ... | ... | ... | 28    | ... | ... | ... | ... | ... | ... | ... | ... | 20  | 8   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| St. Olave's (Girls)               | ... | ... | ... | ... | 3     | 2   | 1   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| St. Olave's (Boys)                | ... | ... | ... | ... | 2     | ... | 1   | 1   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| St. Winifred's                    | ... | ... | ... | ... | 2     | 1   | 1   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Snowsfield                        | ... | ... | ... | ... | 158   | 8   | 13  | ... | 2   | ... | ... | ... | ... | 30  | 50  | ... | ... | 7   | ... | 7   | 3   | 29  | 2   | 7   | ... | ... | ... |
| Southwark Park                    | ... | ... | ... | ... | 237   | 3   | 17  | 2   | 22  | ... | ... | ... | ... | 61  | 32  | ... | ... | 2   | 1   | 36  | 14  | 29  | 18  | ... | ... | ... | ... |
| Townsend Street                   | ... | ... | ... | ... | 5     | 2   | 3   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Webb Street                       | ... | ... | ... | ... | 186   | 6   | 22  | 1   | 21  | ... | ... | ... | 1   | 27  | 26  | ... | ... | 15  | 3   | 9   | ... | 26  | 2   | 27  | ... | ... | ... |
| Weston Street                     | ... | ... | ... | ... | 19    | ... | 1   | ... | 4   | ... | ... | ... | 1   | 4   | 3   | ... | ... | ... | ... | 2   | ... | 3   | ... | 1   | ... | ... | ... |
| Westcott Street                   | ... | ... | ... | ... | 3     | 2   | ... | ... | 1   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Totals                            | ... | ... | ... | ... | 4,437 | 208 | 589 | 76  | 336 | 15  | ... | 6   | 2   | 950 | 735 | 1   | ... | 300 | 60  | 284 | 104 | 501 | 152 | 92  | 1   | 25  | ... |

## SANITARY ADMINISTRATION.

*Offensive Matter.*

No summonses were taken out under the London County Council's by-laws for carriage of offensive matter through streets in unsuitable receptacles or during prohibited hours during the year under report.

*Offensive Trades.*

The offensive trades on the Register are as follow:—

|                     |     |   |                      |     |   |
|---------------------|-----|---|----------------------|-----|---|
| Tripe boiler        | ... | 1 | Glue and size makers | ... | 4 |
| Fellmongers         | ... | 3 | Fat melters          | ... | 4 |
| Manure manufacturer | ... | 1 |                      |     |   |

115 inspections were made, against 105 in 1909. 2 notices were served.

*Unsound Food.*

The following articles were brought to the notice of the Department, found to be unfit for human food, and destroyed as trade refuse:—

|                            | Tons. | cwts. | qrs. | lbs. |
|----------------------------|-------|-------|------|------|
| Apples                     | —     | 14    | 2    | 18   |
| Apricots                   | —     | 3     | —    | 14   |
| Apricot Pulp               | —     | 3     | 3    | —    |
| Bacon                      | —     | —     | —    | 25   |
| Black Currants             | —     | —     | 2    | 24   |
| Bullock's Liver            | —     | —     | —    | 14½  |
| Catfish                    | —     | 1     | 3    | 7    |
| Celery                     | —     | 5     | 1    | —    |
| Chestnuts                  | —     | —     | —    | 9    |
| Crabs                      | —     | —     | 1    | 21   |
| Cucumbers                  | —     | —     | —    | 14   |
| Eggs                       | —     | —     | —    | 1½   |
| Fish                       | —     | 1     | —    | 21   |
| Fruit                      | —     | —     | 1    | —    |
| Greengages                 | 3     | 2     | —    | 9    |
| Haddocks                   | —     | 2     | —    | 4    |
| Herrings                   | —     | 7     | —    | —    |
| Kippers                    | —     | —     | 3    | 6    |
| Lemons                     | 2     | 15    | 2    | 1    |
| Mackerel                   | —     | —     | 2    | 7    |
| Melons                     | —     | —     | —    | 2    |
| Mussels                    | —     | —     | 1    | —    |
| Mutton                     | —     | —     | 2    | 27   |
| Oranges                    | —     | 18    | 2    | 24½  |
| Oranges and Lemons         | 5     | 16    | 1    | 24   |
| Peach Pulp                 | —     | —     | —    | 10   |
| Pig                        | —     | —     | 3    | 9    |
| Pig's Liver                | —     | —     | —    | 3½   |
| Pig's Mesentery and Spleen | —     | —     | —    | 3    |
| Plums                      | —     | 11    | —    | —    |
| Potatoes                   | 1     | 3     | 2    | 16   |
| Rabbit                     | —     | —     | —    | 7    |
| Rabbit Livers              | —     | —     | —    | ½    |
| Raspberries                | —     | 1     | 2    | 26   |
| Sheep's Liver              | —     | —     | —    | 1½   |
| Shrimps                    | —     | —     | —    | 2    |
| Skate                      | —     | —     | 3    | —    |
| Sprats                     | —     | —     | 3    | 14   |
| Strawberries               | 1     | 16    | 2    | —    |
| Strawberry Pulp            | —     | —     | 1    | 12   |
| Tinned Apricots            | —     | 4     | 2    | 16   |
| „ Apricot Pulp             | —     | 15    | 2    | 24   |
| „ Beef                     | —     | —     | —    | 12   |
| „ Black Currants           | —     | 2     | —    | —    |
| „ Bloater Paste            | —     | —     | —    | 1    |
| „ Cod Roe                  | —     | —     | 3    | 6    |
| „ Condensed Milk           | —     | 1     | —    | 10½  |
| „ Fruit                    | —     | —     | —    | 5    |
| „ „ Pulp                   | 1     | 3     | 2    | 24   |
| „ Giblet Soup              | —     | —     | —    | 4    |
| „ Lobster                  | —     | —     | 3    | 10   |
| „ Paste                    | —     | —     | —    | ¼    |
| „ Peaches                  | —     | —     | 2    | 4    |
| „ Pears                    | —     | —     | —    | 2½   |
| „ Prawns                   | —     | —     | —    | 15   |
| „ Salmon                   | —     | 2     | 2    | 12   |
| „ Sardines                 | —     | —     | —    | 1¼   |
| „ Shrimps                  | —     | —     | 2    | 6    |
| Tomatoes                   | —     | 7     | —    | 9    |
| Turkeys                    | —     | 9     | 1    | 14   |
| Various Tinned Goods       | 3     | 18    | 1    | 12½  |
| Veal                       | —     | 1     | —    | 14   |
| Walnuts                    | —     | 10    | 2    | —    |
| Winkles                    | —     | 3     | —    | —    |
|                            | 26    | 14    | —    | 20½  |

*Register of Places where Food is Prepared for Sale.*

The following table gives the number and kind of the various places where food is prepared or stored :—

|                                 |     |                               |       |
|---------------------------------|-----|-------------------------------|-------|
| Bakehouses ... ..               | 81  | Ice cream ... ..              | 144   |
| Butchers ... ..                 | 74  | Milk-sellers ... ..           | 286   |
| Fishmongers, friers and curers  | 76  | Restaurants and eating houses | 142   |
| Food stores ... ..              | 374 | Coffee stalls ... ..          | 15    |
| Food wharves and depôts ...     | 99  |                               |       |
| Food factories ... ..           | 36  |                               | 1,425 |
| Fruiterers and greengrocers ... | 98  |                               |       |

*Unsound Food Seizure.*

The following prosecution took place during the year under report :—

|               |                                     |     |  |
|---------------|-------------------------------------|-----|--|
| March 2nd ... | Exposing for sale unsound tomatoes. | ... | Bound over in the sum of £5 to come up for judgment if called upon within 12 months. |
|---------------|-------------------------------------|-----|--|

*Bacteriological Laboratory.*

The total number of specimens examined in 1910 was 708, compared with 596 in 1909, and 752 in 1908.

| Nature of Specimen.  | Total Examinations. |       | Results of Examination. |       |           |       |
|--|---------------------|-------|-------------------------|-------|-----------|-------|
|  |                     |       | Positive.               |       | Negative. |       |
|  | 1909.               | 1910. | 1909.                   | 1910. | 1909.     | 1910. |
| DIPHTHERIA (specimens taken by Medical Officer of Health) ... .. | 215                 | 260   | 4                       | 7     | 211       | 253   |
| Ditto (taken by general practitioners)                           | 134                 | 122   | 13                      | 27    | 121       | 95    |
| DIPHTHERIA (total specimens taken)                               | 349                 | 382   | 17                      | 34    | 332       | 348   |
| Phthisis ... ..  | 229                 | 239   | 61                      | 46    | 168       | 193   |
| Enteric ... ..   | 13                  | 24    | 4                       | 4     | 9         | 20    |
| Various ... ..   | 5                   | 63    | ...                     | ...   | 5         | 63    |
| Total specimens taken ... ..                                     | 596                 | 708   | 82                      | 84    | 514       | 624   |

**UNBOUND FOOD AND FOREIGN MEAT REGULATIONS.**

The following articles of food were dealt with under the above regulations during the period under report:—

| Article.                   | Quantity Unbound.                               |         |      |      |            |   |         |      |                                |      |                     |         |           |      |      |                                 |         |      |      |      |
|----------------------------|---|---------|------|------|------------|---|---------|------|--------------------------------|------|---------------------|---------|-----------|------|------|---------------------------------|---------|------|------|------|
|                            | Disposed of for other Purposes than Human Food. |         |      |      | Destroyed. |   |         |      | Removed for Sorting under S.A. |      |                     |         | Exported. |      |      |                                 |         |      |      |      |
|                            | Quantity.                                       | Weight. |      |      |            | Quantity.                                 | Weight. |      |                                |      | Quantity.           | Weight. |           |      |      | Quantity.                       | Weight. |      |      |      |
| Pigs' Carcases (Fresh) ... | —   | Tons.   | cwt. | qrs. | lbs.       | 26 carcasses                              | Tons.   | cwt. | qrs.                           | lbs. | —                   | Tons.   | cwt.      | qrs. | lbs. | —                               | Tons.   | cwt. | qrs. | lbs. |
| Pigs' Offal " ...          | —   | —       | —    | —    | —          | 3 plucks and 2 livers                     | —       | 19   | —                              | 26   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Turkeys " ...              | —   | —       | —    | —    | —          | 27 cases and 123 loose birds              | 2       | 17   | —                              | 12   | 29 cases            | 2       | 13        | 2    | —    | —                               | —       | —    | —    | —    |
| Beef (Frozen) ...          | 724 briskets and flanks                         | 12      | 6    | 2    | 11         | —   | —       | 2    | 2                              | 16   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Pigs' Carcases " ...       | —   | —       | —    | —    | —          | 46 carcasses                              | 2       | 4    | 2                              | —    | —                   | —       | —         | —    | —    | 170 carcasses                   | 8       | 9    | 2    | 1    |
| Fowls " ...                | —   | —       | —    | —    | —          | 96 birds                                  | —       | 2    | —                              | 61   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Bacon ...                  | —   | —       | —    | —    | —          | 4 sides                                   | —       | 3    | 3                              | 4    | 96 bales and 1 side | 13      | 15        | 2    | 9    | —                               | —       | —    | —    | —    |
| Hams ...                   | —   | —       | —    | —    | —          | —   | —       | —    | —                              | 24   | 15 cases            | 1       | 8         | 3    | 20   | —                               | —       | —    | —    | —    |
| Tongues (Salted) ...       | —   | —       | —    | —    | —          | —   | —       | —    | —                              | —    | —                   | —       | —         | —    | —    | 34 cases, 5 casks, and 1 barrel | 17      | 1    | 97   | —    |
| Pigs' Heads " ...          | —   | —       | —    | —    | —          | 13 heads                                  | —       | 2    | —                              | 18   | —                   | —       | —         | —    | —    | 14 casks                        | 2       | 18   | —    | 14   |
| Salmon (Pickled) ...       | —   | —       | —    | —    | —          | 1 cask                                    | —       | 4    | —                              | —    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Beef (Tinned) ...          | —   | —       | —    | —    | —          | 618 tins                                  | 1       | —    | 2                              | 11   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Boiled Beef " ...          | —   | —       | —    | —    | —          | 59 cases and 12 tins                      | 1       | 18   | 2                              | 8    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Roast Beef " ...           | —   | —       | —    | —    | —          | 6 tins                                    | —       | —    | —                              | 11   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Mutton " ...               | —   | —       | —    | —    | —          | 49 tins                                   | —       | —    | 3                              | 25   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Veal " ...                 | —   | —       | —    | —    | —          | 1 tin                                     | —       | —    | —                              | 1    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Meat " ...                 | —   | —       | —    | —    | —          | —   | —       | 9    | 2                              | 5    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Meat Loaf " ...            | —   | —       | —    | —    | —          | 2 tins                                    | —       | —    | —                              | 3    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Ham Loaf " ...             | —   | —       | —    | —    | —          | 8 tins                                    | —       | —    | —                              | 24   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Minced Steak " ...         | —   | —       | —    | —    | —          | 10 tins                                   | —       | —    | —                              | 9    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Steak and Onions " ...     | —   | —       | —    | —    | —          | 5 tins                                    | —       | —    | —                              | 2    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Brawn " ...                | —   | —       | —    | —    | —          | 15 tins                                   | —       | —    | 1                              | 2    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Kidneys " ...              | —   | —       | —    | —    | —          | 21 tins                                   | —       | —    | 1                              | 23   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Sausage " ...              | —   | —       | —    | —    | —          | 8 tins                                    | —       | —    | —                              | 8    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Tongue " ...               | —   | —       | —    | —    | —          | 538 tins                                  | —       | 9    | 2                              | 24   | —                   | —       | —         | —    | —    | 132 cases                       | 1       | 8    | 1    | 4    |
| Ox Tail " ...              | —   | —       | —    | —    | —          | 2 tins                                    | —       | —    | —                              | 4    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Ox Tail Soup " ...         | —   | —       | —    | —    | —          | 2 tins                                    | —       | —    | —                              | 2    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Tripe " ...                | —   | —       | —    | —    | —          | 58 tins                                   | —       | 1    | —                              | 7    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Tripe and Onions " ...     | —   | —       | —    | —    | —          | 6 tins                                    | —       | —    | —                              | 12   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Meat Extract " ...         | —   | —       | —    | —    | —          | 1 case                                    | —       | —    | 3                              | 16   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Potted Meat (Tinned) ...   | —   | —       | —    | —    | —          | 2 tins                                    | —       | —    | —                              | 0    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Meat Paste " ...           | —   | —       | —    | —    | —          | 3 tins                                    | —       | —    | —                              | 1    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Veal Paste " ...           | —   | —       | —    | —    | —          | 2 tins                                    | —       | —    | —                              | 2    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Mince " ...                | —   | —       | —    | —    | —          | 2 tins                                    | —       | —    | —                              | 0    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Chicken and Ham " ...      | —   | —       | —    | —    | —          | 7 tins                                    | —       | —    | —                              | 15   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Chicken and Veal " ...     | —   | —       | —    | —    | —          | 13 tins                                   | —       | —    | —                              | 18   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Soup " ...                 | —   | —       | —    | —    | —          | 110 tins                                  | —       | 1    | 2                              | 8    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Gravy " ...                | —   | —       | —    | —    | —          | 1 tin                                     | —       | —    | —                              | 1    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Jellied Hock (Bottled) ... | —   | —       | —    | —    | —          | 50 tins                                   | —       | —    | 1                              | 23   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Fish (Tinned) ...          | —   | —       | —    | —    | —          | —   | 1       | 10   | —                              | —    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Salmon " ...               | —   | —       | —    | —    | —          | 47 tins                                   | —       | —    | 1                              | 19   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Blotter Paste " ...        | —   | —       | —    | —    | —          | 1 tin                                     | —       | —    | —                              | 0    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Milk " ...                 | —   | —       | —    | —    | —          | 1 tin                                     | —       | —    | —                              | 1    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Fruit " ...                | —   | —       | —    | —    | —          | 379 tins                                  | 1       | 18   | —                              | 21   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Fruit Pulp " ...           | —   | —       | —    | —    | —          | 103 cases, 630 tins                       | 8       | 3    | 1                              | 7    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Apricots " ...             | —   | —       | —    | —    | —          | 265 tins                                  | 1       | 2    | —                              | 26   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Current Pulp " ...         | —   | —       | —    | —    | —          | 114 cases                                 | 3       | 1    | —                              | 8    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Peaches " ...              | —   | —       | —    | —    | —          | 9 tins                                    | —       | —    | —                              | 22   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Pears " ...                | —   | —       | —    | —    | —          | 53 cases, 2 tins                          | 1       | 8    | 1                              | 21   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Pine Chunks " ...          | —   | —       | —    | —    | —          | 4 tins                                    | —       | —    | —                              | 4    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Raspberry Pulp " ...       | —   | —       | —    | —    | —          | 14 cases                                  | —       | 7    | 2                              | —    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Tomatoes " ...             | —   | —       | —    | —    | —          | 2 loads, 513 tins                         | 3       | 13   | —                              | 20   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Tomatoes (Bottled) " ...   | —   | —       | —    | —    | —          | 1 bottle                                  | —       | —    | —                              | 1    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Tomato Pulp (Tinned) ...   | —   | —       | —    | —    | —          | 99 tins                                   | —       | 4    | —                              | 1    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Vegetables " ...           | —   | —       | —    | —    | —          | 199 tins                                  | —       | 4    | 3                              | 20   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Asparagus " ...            | —   | —       | —    | —    | —          | 6 tins                                    | —       | —    | —                              | 10   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Beans " ...                | —   | —       | —    | —    | —          | 7 tins                                    | —       | —    | —                              | 21   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Peas " ...                 | —   | —       | —    | —    | —          | 132 tins                                  | —       | 3    | 2                              | 4    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Chutney (Bottled) " ...    | —   | —       | —    | —    | —          | 3 jars                                    | —       | —    | —                              | 3    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Salad Dressing " ...       | —   | —       | —    | —    | —          | 29 cases                                  | —       | —    | 3                              | 19   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Various Tinned Goods " ... | —   | —       | —    | —    | —          | —   | 44      | 10   | 2                              | 27   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Apples " ...               | —   | —       | —    | —    | —          | 122 barrels and 5 cases                   | 8       | 3    | —                              | 16   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Bananas " ...              | —   | —       | —    | —    | —          | 217 crates, 10 double crates, and 6 cases | 11      | 9    | 1                              | 20   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Black Currants " ...       | —   | —       | —    | —    | —          | 13 baskets                                | —       | 2    | 3                              | 4    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Chestnuts " ...            | 436 bags  | 21      | 16   | —    | —          | 159 bags                                  | 10      | 9    | —                              | —    | 4                   | 10      | —         | —    | —    | 299 bags                        | 25      | 6    | —    | —    |
| Dates " ...                | —   | —       | —    | —    | —          | —   | —       | —    | —                              | —    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Figs " ...                 | —   | —       | —    | —    | —          | 3 cases                                   | —       | 13   | 2                              | —    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Fruit Pulp " ...           | —   | —       | —    | —    | —          | 2 cases                                   | —       | 9    | —                              | —    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Grapes " ...               | —   | —       | —    | —    | —          | 8 barrels                                 | —       | 4    | —                              | —    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Greengages " ...           | —   | —       | —    | —    | —          | 548 sieves                                | 4       | 17   | 3                              | 12   | 12 half sieves      | 2       | 2         | 8    | —    | —                               | —       | —    | —    | —    |
| Lemons " ...               | —   | —       | —    | —    | —          | —   | 17      | 12   | 1                              | 10   | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Melons " ...               | —   | —       | —    | —    | —          | 34 cases, 24 boxes                        | 2       | 6    | —                              | —    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |
| Oranges " ...              | —   | —       | —    | —    | —          | 116 cases and some odd lots               | 34      | 10   | 3                              | 6    | 16 cases            | —       | 18        | —    | —    | —                               | —       | —    | —    | —    |
| Peaches " ...              | —   | —       | —    | —    | —          | 1 package                                 | —       | —    | —                              | 9    | —                   | —       | —         | —    | —    | —                               | —       | —    | —    | —    |

| Article.               | Quantity Unsoud.                                |  |                      |    |  |    |                      |   |                                |   |                      |    |
|------------------------|---|--|----------------------|----|--|----|----------------------|---|--------------------------------|---|----------------------|----|
|                        | Disposed of for other Purposes than Human Food. |  |                      |    | Destroyed.   |    |                      |   | Removed for Sorting under S.A. |   |                      |    |
|                        | Quantity.                                       |  | Weight.              |    | Quantity.  |    | Weight.              |   | Quantity.                      |   | Weight.              |    |
|                        |   |  | Tons. cwt. qrs. lbs. |    |  |    | Tons. cwt. qrs. lbs. |   |                                |   | Tons. cwt. qrs. lbs. |    |
| Pears...               | —   |  | —                    |    | 5 crates, 1 box, 63 trays, 81 packages, 27 cases   | 4  | 7                    | 2 | 6                              | —                                       | —                    | —  |
| Peel (in brine)        | —   |  | —                    |    | 1 cask   | —  | 8                    | 2 | —                              | —                                       | —                    | —  |
| Plums                  | —   |  | —                    |    | —  | 2  | 2                    | — | 11                             | 29 packages, 5 half sieves, & 100 pecks | 1                    | —  |
| Pomegranates           | —   |  | —                    |    | 69 cases   | 4  | 6                    | 1 | —                              | —                                       | —                    | —  |
| Tomatoes               | —   |  | —                    |    | 60 boxes, 54 cases, 24 crates, 1 bundle, 1 package | 1  | 17                   | 1 | 20                             | —                                       | —                    | —  |
| Cauliflower (in brine) | —   |  | —                    |    | 25 casks, 6 barrels                                | 6  | 13                   | 2 | 0                              | —                                       | —                    | —  |
| Onions                 | —   |  | —                    |    | 60 bags  | 2  | 7                    | 3 | 12                             | —                                       | —                    | —  |
| Potatoes               | —   |  | —                    |    | 60 bags and odd lots                               | 8  | —                    | — | —                              | 350 bags                                | 17                   | 10 |
| Haricots               | —   |  | —                    |    | —  | —  | —                    | — | —                              | 200 bags                                | 19                   | 11 |
| Lentils and Peas       | —   |  | 11                   | 2  | 2  | —  | —                    | — | —                              | —                                       | —                    | —  |
| Maize                  | —   |  | 220                  | 12 | 3  | 12 | —                    | — | —                              | —                                       | —                    | —  |
| Oats                   | —   |  | 580                  | 15 | 3  | 12 | —                    | — | —                              | —                                       | —                    | —  |
| Rice                   | 7½ bags   |  | —                    | 9  | 1  | 14 | —                    | — | —                              | —                                       | —                    | —  |
| Rolled Oats            | —   |  | 1                    | 4  | 3  | 8  | —                    | — | —                              | —                                       | —                    | —  |
| Wheat                  | —   |  | 337                  | 7  | 1  | 6  | —                    | — | —                              | —                                       | —                    | —  |
| Cocoa                  | —   |  | —                    | —  | —  | —  | —                    | — | —                              | 15 bags                                 | 1                    | 1  |
| Coffee                 | —   |  | —                    | —  | —  | —  | 15                   | — | —                              | 214 bags                                | 19                   | 15 |
| Eggs                   | —   |  | —                    | —  | —  | —  | 9                    | 2 | 14                             | 3 cases                                 | —                    | 6  |
| Lard                   | 214 buckets                                     |  | 2                    | 13 | 2  | —  | —                    | — | 2½                             | 10 buckets                              | —                    | 2  |
| Sugar                  | —   |  | —                    | —  | —  | —  | 6                    | — | —                              | 51 bags & 100 boxes                     | 10                   | 2  |
|                        |   |  |                      |    | 3 bags   | —  | —                    | — | —                              | —                                       | —                    | —  |

Stoppage notices under the above regulations were served on

May 9th. 91 bags oats.  
 „ 17th. 60 tons barley and oats.  
 „ 19th. 60 tons grain.

June 14th. 60 tons grain.  
 „ 18th. 60 tons grain.

On the Inspector subsequently making enquiries it was found that the grain had been removed without our permission, contrary to Part II., Article IV., of the above regulations.

The Public Health Committee interviewed the owner of the grain, but decided, as the offence appeared to have been committed through ignorance of the regulations, to warn, and not prosecute him.

*Inspections.*

The following table shows the work done by the District Inspectors during the year :—

In their Order of September 2nd, 1910 (a copy of which is enclosed), the Local Government Board prescribe (1) the inquiries to be made when examining a dwelling-house, and (2) the records of such inquiries which are to be kept.

The requirements here detailed are to be looked upon as a minimum, and a certain amount of latitude is obviously intended so that Sanitary Authorities will be enabled to adapt their methods to the requirements of their districts. For instance, no inquiry would be complete which did not deal with the cubic capacity of rooms in relation to the number of inhabitants, especially as the Board may require details on this point under Section 37.

In the scheme which I here recommend all the above requirements of the Local Government Board are met, and certain other useful and, I might say, indispensable information is included. The Board suggest the use of the card system or loose-leaved books for keeping records, and I am recommending the former as being very compact and convenient, where quick and ready reference to any house is required.

In a previous report the number of dwelling houses in Bermondsey is estimated at nearly 20,000, counting each tenement in the block dwellings as one house. Since, therefore, a house-to-house inspection on the lines laid down by the Board would take a long time with the present staff of Inspectors and clerks, I have, with the assistance of the district Inspectors, made out a list of the streets containing the worst properties in the Borough, and propose to subject them first to a systematic house-to-house inspection. The majority of the houses should be examined every six months, but as the first examination will be the most difficult, inasmuch as it involves measuring up the various rooms, it is impossible to say how far this can be carried out till the primary inspection is made. The list here given is far from perfect, for a few good houses may be included among the insanitary ones, and there are no doubt isolated houses omitted which should have been included. There are also many houses and streets which, while not requiring so frequent inspection as here suggested, still require inspection at intervals of from one to two years, and these houses might well be included in a second list, when the inspection of this first batch is completed. The primary inspection will naturally take place in some districts sooner than others, since there is a considerable difference in the amount of insanitary property in the various districts.

#### LIST OF STREETS REQUIRING SPECIAL INSPECTION.

|                      |                         |                         |                       |
|----------------------|-------------------------|-------------------------|-----------------------|
| Aberdour Street      | Edward House            | Kintore Street          | Rudyard Place         |
| Adams Gardens        | Earls Cottages          | Lagos Place             | St. Marychurch Street |
| Ainsty Street        | Eckett Street           | Lamb Alley              | St. Mary's Place      |
| Alice Street         | Edmund Place            | Landrail Place          | Salisbury Street      |
| Ambrose Street       | Elephant Lane           | Leroy Street            | Sards Rents           |
| Anchor Street        | Elim Street             | Little Maze Court       | Sarnells Court        |
| Arica Place          | Elizabeth Place         | Llama Place             | Sedgers Buildings     |
| Aylton Street        | Emba Street             | Lawrence House          | Sernes Alley          |
| Baffins Place        | English Ground          | Lynton Mews             | Snowsfields           |
| Bantry Place         | Enid Street (46-60)     | Mariners Buildings      | Star Place            |
| Banville Grove       | Farthing Alley          | Marshalls Place         | Sun Street            |
| Barnham Street       | Faustin Place           | Maze Pond               | Surrey Buildings      |
| Beatson Street       | Finnimore Place         | Medley Place            | Shakespeare House     |
| Bell Court           | Flockton Street         | Mellicks Place          | Tay Buildings         |
| Bermondsey Buildings | Fort Passage            | Musk Court              | Thetford Place        |
| Bermondsey Square    | Foxlow Street           | Napoleon Court          | Tilbury Place         |
| Bethel Place         | Fulford Street (No. 14) | Neckinger Place         | Trinity Road          |
| Bisley Cottages      | Gareth Place            | Nolan Place             | Truscott Court        |
| Black Swan Yard      | George Court            | Oran Place              | Turners Retreat       |
| Blackman's Court     | Gibbons Rents           | Osborne Buildings       | Tyers Gateway         |
| Brunel Road          | Gilhams Court           | Pepin Place             | Vauban Street         |
| Bryants Alley        | Goulston Buildings      | Paragon Alley           | Victoria Place        |
| Carmarthen Place     | Great Maze Court        | Parfitt Road (35 to 59) | Vine Street           |
| Caroline Court       | Guttridge Court         | Parkers Buildings       | Virginia Row          |
| Castles Buildings,   | Great Russell Street    | Paulin Place            | Warford Place         |
| Derriek Street       | Halfpenny Alley         | Paulin Street           | West Lane (34 to 62)  |
| Charlotte Place      | Hargrave Place          | Pleasant Row            | Whites Court          |
| Clarehall Place      | Hargrave Square         | Porlock Place           | Whites Grounds        |
| Clarks Orchard       | Hatteraick Street       | Princes Place           | White Lion Court      |
| Cluny Place          | Hickmans Court          | Prospect Street         | Wilderness Street     |
| Corbetts Lane        | Hickmans Folly          | Purnell Place           | Wilds Rents           |
| Coxon Place          | Iphigenia Cottages      | Queen's Place           | Winter Square         |
| Crosby Row           | Irwell Place            | Regia Place             | Wolseley Buildings    |
| Cusack Place         | Jacob Street            | Risdon Street           | Wolseley Street       |
| Davis Buildings      | James Place             | Rotherhithe Street (348 | Woodlands Place       |
| Decima Street        | Janeway Street          | to 352 and 370 to 374)  | Woods Place           |
| Dix's Place          | King's Arms Place       | Rowleys Buildings       | Wormald Place         |
| Dunlop Place         | Kinross Street          |                         |                       |

#### NUMBER OF HOUSES IN EACH INSPECTOR'S DISTRICT REQUIRING SPECIAL INSPECTION.

|                 |              |                 |                 |              |                 |
|-----------------|--------------|-----------------|-----------------|--------------|-----------------|
| District No. 1. | Mr. Grice    | ... 263 houses. | District No. 5. | Mr. Freeman  | ... 160 houses. |
| " 2.            | Mr. Wood     | ... 514 "       | " 6.            | Mr. Bartlett | ... 77 "        |
| " 3.            | Mr. Merryman | ... 314 "       | " 7.            | Mr. Townsend | ... 527 "       |
| " 4.            | Mr. Toogood  | ... 544 "       | " 8.            | Mr. Cockburn | ... 107 "       |
|                 |              |                 |                 |              | Total           |
|                 |              |                 |                 |              | 2,506 "         |

The card which I have drawn up, and a copy of which is enclosed, is intended to contain what seems to me only necessary information, and the tabulated form for "particular rooms" is designed to save clerical labour. This card (10 by 8 inches) may appear somewhat large, but where writing

is to be done a cramped space is false economy. My recommendation is to have two cabinets, each containing four drawers capable of holding 2,000 of these cards each. One drawer would be assigned to each Inspector's district, and would contain at the same time the latest inspection of a certain house together with the card of the last previous inspection in close juxtaposition. As soon as a third inspection of a certain house is made, the two most recent would only be kept, the others being filed away in the strong room, where they would always be available. I tried to make one card sufficient for several inspections, so as to keep a sort of continuous record on one card, but found it impracticable, since the conditions are likely to be greatly altered at each inspection, with the exception of the cubic capacity and the number of rooms.

These cabinets would be kept in my office and written up by one of the clerks from information received from the Inspectors, and the notifications and other books. The plan I propose is to have leaflets printed containing the necessary questions, and a certain number would be handed out fortnightly to each Inspector, who would return them as they are filled. A copy of the proposed leaflet is enclosed.

At first it seemed as if this plan would do away with the necessity of a house-to-house book, but this is not so, since an Inspector is required by the Local Government Board order of duties to keep a diary of his inspections, and it will be also necessary for him to have a record in front of him so as to be able to follow up those houses in which "further action" is required. For this purpose I have designed an Inspector's house-to-house book with headings for the recording of the information necessary for his purpose. It is not necessary for these to be nearly as numerous as those on the card. This book would be used for house-to-house inspections under the Housing, Town Planning Act alone, and his ordinary report book would be still used for complaints, infectious diseases, &c. Cost:—I have made inquiries from several firms dealing in the apparatus required for card indexing, and have found one firm much cheaper than the remainder, and on visiting them ascertained that they had two cabinets the exact size which were made for Marylebone Borough Council, but were rejected because the drawers were 10 by 8 in. instead of 8 by 10 in. These are made throughout of oak and offered at the much reduced price of £3 5s. each. Estimates for a cabinet of this description cannot well be asked for, since each firm has its own speciality and do not manufacture out of stock sizes at a cheap rate. Tenders, which will be laid before the Committee, were asked for from several firms for the cards, books and leaflets separately, and the lowest prices quoted make a total for all requirements, including the cabinet, of a cost of £20 5s. 6d.

Nos. 14 and 16, Fulford Street were reported under the above Act, and have since been demolished.

Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 18, 19, St. Mary's Place, and Nos. 74, 76, 78 and 80, St. Marychurch Street were also reported, but the matter is in abeyance, as they are houses that can be put into satisfactory condition if an owner can be found.

#### *Milk Premises.*

There were 273 milk premises on the Register at the end of 1909. Forty were added and 27 removed during 1910, making a total of 286 on the Register at the end of the year under report. 559 inspections were made and 20 notices served.

#### *Cowsheds.*

There are 4 cowsheds in the Borough. These received regular visits, the total number of inspections for 1910 being 51. No notices were served.

#### *Slaughterhouses.*

There is 1 slaughterhouse in the Borough. Twenty-one inspections were made. No notices were served.

#### *Ice Cream Premises.*

There were 133 premises where ice cream is manufactured on the Register at the end of 1909, and 11 were added during the year under report, making a total of 144. 165 inspections were made and 10 notices served.

#### *Houses Let in Lodgings.*

In 1909 there were 219 "houses let in lodgings or occupied by members of more than one family" on the Register. Eight were added during 1910, making a total of 227. These were visited quarterly in accordance with the instructions of the Public Health Committee.

Eighty-eight notices were served, 14 of these being for overcrowding. The following is a list of registered houses let in lodgings:—

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| 5, Aberdour Street   | 16, Fulford Street   | 9, Parkers Buildings    |
| 11 "                 | 18 "                 | 10 "                    |
| 13 "                 | 12, Gedling Street   | 13 "                    |
| 14 "                 | 14 "                 | 15 "                    |
| 17 "                 | 60, Gainsford Street | 20 "                    |
| 56, Arnolds Place    | 151, Grange Road     | 23 "                    |
| 82, Abbey Street     | 9, Grange Walk       | 28 "                    |
| 86 "                 | 76 "                 | 25, Princes Street      |
| 95 "                 | 81 "                 | 11, Reed Street         |
| 98 "                 | 87 "                 | 9, Riley Street         |
| 100 "                | 91 "                 | 350, Rotherhithe Street |
| 10, Alice Street     | 5A, Green Walk       | 352 "                   |
| 36, Barnham Street   | 6, Hatteraick Street | 556 "                   |
| 6, Bermondsey Square | 1, Janeway Street    | 1, Suffolk Street       |
| 7 "                  | 4 "                  | 42 "                    |
| 26 "                 | 10 "                 | 8, Salisbury Street     |

|                       |                       |                           |
|-----------------------|-----------------------|---------------------------|
| 84, Bermondsey Street | 14, Janeway Street    | 24, Salisbury Street      |
| 115 "                 | 16 "                  | 27 "                      |
| 117 "                 | 20 "                  | 29 "                      |
| 131 "                 | 9, Kenning Street     | 55 "                      |
| 136 "                 | 10 "                  | 57 "                      |
| 50, Bermondsey Wall   | 11 "                  | 58 "                      |
| 52 "                  | 19, Kipling Street    | 59 "                      |
| 6, Bell Court         | 31 "                  | 66 "                      |
| 8 "                   | 6, Lamb Alley         | 12, Snowsfields           |
| 9 "                   | 7 "                   | 14 "                      |
| 12 "                  | 8 "                   | 43 "                      |
| 15 "                  | 46, Larnaca Street    | 62 "                      |
| 18 "                  | 47 "                  | 63 "                      |
| 24, Tower Bridge Road | 44, Leroy Street      | 75 "                      |
| 7, Cloyne Row         | 54 "                  | 16, St. Helena Road       |
| 1, Curlew Street      | 58 "                  | 78, St. Marychurch Street |
| 2 "                   | 62 "                  | 80 "                      |
| 5 "                   | 72 "                  | 19, The Grange            |
| 10, Crosby Row        | 74 "                  | 21 "                      |
| 19, Debnams Road      | 76 "                  | 51 "                      |
| 21 "                  | 78 "                  | 86, Tanner Street         |
| 23 "                  | 82 "                  | 23, Trident Street        |
| 13, Decima Street     | 86 "                  | 26 "                      |
| 42 "                  | 22, Litlington Street | 13, Turners Retreat       |
| 28, Enid Street       | 230, Long Lane        | 40, Vauban Street         |
| 2, Emba Street        | 201, Lower Road       | 41 "                      |
| 4 "                   | 4, Maze Pond          | 3, Warford Place          |
| 28, East Lane         | 6 "                   | 4 "                       |
| 29 "                  | 8 "                   | 29, West Lane             |
| 3, Elim Street        | 10 "                  | 40 "                      |
| 7 "                   | 12 "                  | 42 "                      |
| 9 "                   | 14 "                  | 43 "                      |
| 18 "                  | 16 "                  | 45 "                      |
| 19 "                  | 18 "                  | 48 "                      |
| 21 "                  | 19, Manor Lane        | 50 "                      |
| 40 "                  | 6, Marigold Street    | 20, Westlake Road         |
| 41 "                  | 10 "                  | 22 "                      |
| 45 "                  | 12 "                  | 199, Weston Street        |
| 24, Freda Street      | 1, Marshalls Place    | 247 "                     |
| 1A, Flockton Street   | 21 "                  | 253 "                     |
| 86 "                  | 9, Maynard Road       | 14, Wilds Rents           |
| 5, Foxlow Street      | 9, Marcia Road        | 1, William Square         |
| 7 "                   | 13 "                  | 11, Wolseley Street       |
| 8 "                   | 35, Mellicks Place    | 12 "                      |
| 15 "                  | 39 "                  | 13 "                      |
| 16 "                  | 41 "                  | 14 "                      |
| 17 "                  | 43 "                  | 15 "                      |
| 19 "                  | 63 "                  | 16 "                      |
| 20 "                  | 2, Oldfield Road      | 17 "                      |
| 21 "                  | 3 "                   | 18 "                      |
| 22 "                  | 1A, Osborne Buildings | 19 "                      |
| 23 "                  | 10, Pages Walk        | 20 "                      |
| 25 "                  | 9, Porlock Place      | 4, Woods Place            |
| 23, Faustin Place     | 19 "                  | 11 "                      |
| 31 "                  | 21 "                  | 14 "                      |
| 35 "                  | 21, Paulin Street     | 15 "                      |
| 4, Fendall Street     | 2, Parkers Buildings  | 16 "                      |
| 30, Ferrand Street    | 4 "                   | 1, Woolf Street           |
| 31 "                  | 6 "                   | 2 "                       |
| 14, Fulford Street    | 8 "                   |                           |

## FOOD EXAMINED DURING THE YEAR 1910.

| Inspectors.     | Meat.                 |       | Fish.                 |       | Fruit.                |        | Vegetables.           |       | Tinned Goods.         |       | Dairy Produce.        |       | Cereals.              |       | Various.              |       |
|-----------------|-----------------------|-------|-----------------------|-------|-----------------------|--------|-----------------------|-------|-----------------------|-------|-----------------------|-------|-----------------------|-------|-----------------------|-------|
|                 | No. of In-spec-tions. | Tons. | No. of In-spec-tions. | Tons. | No. of In-spec-tions. | Tons.  | No. of In-spec-tions. | Tons. | No. of In-spec-tions. | Tons. | No. of In-spec-tions. | Tons. | No. of In-spec-tions. | Tons. | No. of In-spec-tions. | Tons. |
| Mr. Ashdown ... | 358                   | 4056  | 20                    | 108   | 384                   | 17181½ | 147                   | 4004  | 187                   | 862½  | 57                    | 2013  | 33                    | 6243  | 19                    | 106½  |
| " Scott ...     | 612                   | 403   | 466                   | 223½  | 536                   | 1622½  | 435                   | 562   | 58                    | 53½   | 4                     | 1½    | 3                     | 190   | —                     | —     |
| " Hoskins ...   | 840                   | 559½  | 457                   | 84½   | 615                   | 1566   | 680                   | 675   | 661                   | 48    | 29                    | 6½    | 76                    | 2110  | 14                    | 24½   |
| " Toogood ...   | —                     | —     | 17                    | 3½    | —                     | —      | —                     | —     | —                     | —     | —                     | —     | —                     | —     | —                     | —     |
| " Cockburn...   | —                     | —     | 2                     | ½     | —                     | —      | —                     | —     | —                     | —     | —                     | —     | —                     | —     | —                     | —     |
| Totals ...      | 1810                  | 5018½ | 962                   | 420½  | 1535                  | 20369½ | 1262                  | 5241  | 906                   | 963½  | 90                    | 2021½ | 112                   | 8543  | 33                    | 131   |

NOTE.—The inspections refer to the number of separate lots, and the weights are only approximate.

*Food Inspectors.*

## PARTICULARS OF WORK, 1910.

|                 | Visits.                       | 1               |                       | 2           | 3         | 4         | 5                               | 6            | 7                        | 8                          | 9          | 10       | 11            | 12                             | 13               | 14                  | 15                       |        |
|-----------------|-------------------------------|-----------------|-----------------------|-------------|-----------|-----------|---------------------------------|--------------|--------------------------|----------------------------|------------|----------|---------------|--------------------------------|------------------|---------------------|--------------------------|--------|
|                 |                               | Food Factories. |                       | Bakehouses. | Butchers. | Cowsheds. | Fishmongers, Friers and Curers. | Food Stores. | Food Wharves and Depots. | Fruiters and Greengrocers. | Ice Cream. | Markets. | Milk Sellers. | Restaurants and Eating Houses. | Slaughterhouses. | Nuisances Reported. | Number of Samples Taken. |        |
|                 |                               | Jan.            | Butter and Margarine. |             |           |           |                                 |              |                          |                            |            |          |               |                                |                  |                     |                          | Other. |
| Mr. Ashdown ... | Re-visits ...                 | 37              | —                     | —           | 14        | 40        | 10                              | 13           | 292                      | 2688                       | 33         | —        | 25            | —                              | —                | —                   | 14                       | 13     |
|                 | New occupiers or Premises ... | —               | —                     | —           | —         | —         | —                               | —            | —                        | —                          | —          | —        | —             | —                              | —                | —                   | —                        | —      |
| Mr. Scott ...   | Re-visits ...                 | 309             | 7                     | 38          | 107       | 222       | 18                              | 132          | 484                      | —                          | 64         | 52       | 288           | 471                            | 122              | 21                  | 26                       | 566    |
|                 | New occupiers or Premises ... | —               | —                     | 1           | 2         | 2         | 3                               | 5            | 9                        | —                          | 5          | 4        | —             | 8                              | 11               | —                   | —                        | —      |
| Mr. Hoskins...  | Re-visits ...                 | 118             | 22                    | 97          | 91        | 115       | 20                              | 108          | 765                      | 187                        | 142        | 92       | 258           | 66                             | 145              | —                   | 260                      | 631    |
|                 | New occupiers or Premises ... | —               | —                     | —           | 6         | 8         | —                               | 13           | 20                       | —                          | 16         | 17       | —             | 14                             | 8                | —                   | —                        | —      |
| Totals ...      | Re-visits ...                 | 464             | 29                    | 135         | 212       | 377       | 48                              | 253          | 1541                     | 2875                       | 239        | 144      | 571           | 537                            | 267              | 21                  | 300                      | 1210   |
|                 | New occupiers or Premises ... | —               | —                     | 1           | 8         | 10        | 3                               | 18           | 29                       | —                          | 21         | 21       | —             | 22                             | 19               | —                   | —                        | —      |

*Housing of the Working Classes Acts.*

There was no action taken under the above Acts during the year under report.

*Food and Drugs.*

In Tables XIII. and XIV. of Appendix will be found a list of the samples taken in 1910, and the action taken. 1,172 samples were taken, compared with 1,219 in 1909 and 1,281 in 1908. Of these 9.6 per cent. were found adulterated, compared with 7.9 per cent. in the previous year, and 8.6 per cent. in 1908. In the accompanying table will be seen the percentages of milk fat in the various samples of genuine milk.

| Year.            | Total Genuine Samples. | MILK FAT.         |                      |                                     |                      |                                     |                      |                       |                      |
|------------------|------------------------|-------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-----------------------|----------------------|
|                  |                        | Under 3 per cent. |                      | 3 per cent. and under 3.5 per cent. |                      | 3.5 per cent. and under 4 per cent. |                      | 4 per cent. and over. |                      |
|                  |                        | No. of Samples.   | Percentage of total. | No. of Samples.                     | Percentage of total. | No. of Samples.                     | Percentage of total. | No. of Samples.       | Percentage of total. |
| 1903             | 371                    | 32                | 8.6                  | 134                                 | 36.1                 | 135                                 | 36.4                 | 70                    | 18.9                 |
| 1904             | 419                    | 5                 | 1.2                  | 147                                 | 35.1                 | 164                                 | 39.1                 | 103                   | 24.6                 |
| 1905             | 505                    | 9                 | 1.7                  | 216                                 | 42.8                 | 168                                 | 33.3                 | 112                   | 22.2                 |
| 1906             | 507                    | 3                 | 0.6                  | 211                                 | 41.6                 | 178                                 | 35.1                 | 115                   | 22.7                 |
| 1907             | 617                    | 24                | 3.9                  | 232                                 | 37.6                 | 249                                 | 40.3                 | 112                   | 18.1                 |
| 1908             | 575                    | 12                | 2.1                  | 258                                 | 44.9                 | 226                                 | 39.3                 | 79                    | 13.7                 |
| 1909             | 722                    | 10                | 1.4                  | 332                                 | 46.0                 | 271                                 | 37.5                 | 109                   | 15.1                 |
| 1910             | 676                    | 5                 | 0.7                  | 294                                 | 43.5                 | 281                                 | 41.6                 | 96                    | 14.2                 |
| Average 8 years. | 549                    | 13                | 2.5                  | 228                                 | 40.9                 | 209                                 | 37.8                 | 99                    | 18.7                 |

*Section 48, Public Health (London) Act, 1891.*

Certificates were granted to the owners of the following premises for a proper and sufficient water supply :—

No. 9A, Tranton Road.  
Nos. 88A and 88B, Albion Street.

*Disinfection.*

The following table shows the number of articles passed through the steam disinfecter during the year under report :—

|                   |       |                           |        |
|-------------------|-------|---------------------------|--------|
| Beds ... ..       | 757   | Quilts ... ..             | 640    |
| Blankets ... ..   | 708   | Sheets ... ..             | 945    |
| Bolsters ... ..   | 466   | Miscellaneous ... ..      | 4,251  |
| Carpets ... ..    | 60    | Verminous Clothing ... .. | 3,417  |
| Cushions ... ..   | 269   |                           |        |
| Mattresses ... .. | 494   |                           |        |
| Overlays ... ..   | 223   | Total ... ..              | 13,445 |
| Pillows ... ..    | 1,215 |                           |        |

10,840 new tabs were used to replace those taken off mattresses, palliasses, and cushions before disinfection.

*Cleansing of Persons Act, 1897.*

During the year under report 87 male adults, 24 female adults, 169 male and 149 female children used the Verminous Baths and had their clothing disinfected. The total number of articles disinfected for this purpose was 3,417.

*Smoke Nuisances.*

223 chimneys were kept under observation and 22 notices served.

*House Refuse.*

The following table shows the amount of house and trade refuse disposed of during the year ended December, 1910 :—

| HOUSE REFUSE.         |               |  |        |           | TRADE REFUSE. |  |       |           |  |
|-----------------------|---------------|--|--------|-----------|---------------|--|-------|-----------|--|
|                       |               |  | Tons   | cwt. qrs. |               |  | Tons  | cwt. qrs. |  |
| Bermondsey Destructor | 10,929 loads. |  | 19,039 | 15 2      | 271 loads.    |  | 188   | 7 0       |  |
| Barged away           | 707 „         |  | 1,237  | 5 0       | 1,191 „       |  | 2,084 | 5 0       |  |
| Total                 | 11,636 „      |  | 20,277 | 0 2       | 1,462 „       |  | 2,272 | 12 0      |  |

*Overcrowding.*

The following cases of overcrowding were visited by the Medical Officer of Health during the year under report :—

| Address.              | Occupants of overcrowded portion of house.         | Cubic feet space required.             | Rooms occupied and cubic space.                 | Deficiency.       | State of Premises and Family.   |
|-----------------------|--|--|---|-------------------|---|
| Osborne Buildings ... | Man, wife, boys 5 and 3 years.                     | Living and sleeping, 1,200 cubic feet. | Ground floor room, 846 cubic feet.              | cubic feet<br>354 | The husband, a deal porter at Surrey Commercial Docks, is at present without work owing to slackness of trade. He hopes to get work in March. His wife works at a jam factory, earning about 9s. weekly. The light and ventilation were bad at the time of visit.                             |
| Anchor Street ...     | Woman, girls 19, 12, 10 and 10, boy 15 years.      | Living and sleeping, 2,400 cubic feet. | Top front room, 1,440 cubic feet.               | 960               | The mother is a widow and an invalid, occasionally earning 2s. or 3s. per week. A son and daughter each contribute 6s. 6d. weekly, and she receives 4s. 6d. per week from the parish. The rent is 5s. 6d. The light and ventilation were fair at the time of visit.                           |
| Swan Lane ...         | Man, wife, boys 6 and 4 years.                     | Sleeping, 900 cubic feet.              | First floor front (right) room, 428 cubic feet. | 472               | The husband is a decorator, earning from 7s. to 12s. per week, and the rent is 4s. The wife is phthisical. The place was clean at the time of visit, but the people seem very poor.   |
| Brunel Road...        | Boys 14, 13, 8, 6, girls 12, 10 and 5 years.       | Sleeping, 1,650 cubic feet.            | First floor back room, 667 cubic feet.          | 983               | The husband is a dock labourer, earning very little at present. The place was very clean at the time of my visit and the light and ventilation fair. There has been some re-distribution, but the overcrowding is only partially abated.  |
| Bethel Place...       | Man, wife, girls 7, 4½ and 3 years.                | Living and sleeping, 1,400 cubic feet. | First floor room, 946 cubic feet.               | 454               | The husband is a waterside labourer, his work being casual and very slack at present. His wife is a rag sorter. The room was dirty and the light and ventilation bad at the time of visit.  |
| Medley Place ...      | Man, wife, boys 2 years and 3 months respectively. | Living and sleeping, 1,200 cubic feet. | Second floor room, 688 cubic feet.              | 512               | The husband is a waterside labourer, with casual work. His wife is not at work. The light and ventilation were bad and the room was very dirty and dilapidated.   |
| Osborne Buildings ... | Man, wife, boy 6, and girls 5 and 2 years.         | Living and sleeping, 1,400 cubic feet. | Ground floor back room, 1,306 cubic feet.       | 94                | The husband is a pill-box maker, earning about 10s. per week. The room was dirty and the light and ventilation fair at the time of visit.   |
| Kintore Street ...    | Man, wife, boys 5 and 3, and girl 8 years.         | Sleeping, 1,050 cubic feet.            | First floor room, 637 cubic feet.               | 413               | The husband is a railway porter, earning 22s. per week. The rent is 6s. 6d. The room was very dirty and verminous and the light and ventilation bad at the time of visit.   |
| Medley Place ...      | Man, wife, and boy 2 years.                        | Living and sleeping, 1,000 cubic feet. | First floor room, 929 cubic feet.               | 71                | The husband is a waterside labourer, with very uncertain earnings. The room was in good condition and the light and ventilation good at the time of visit.  |
| Temeraire Street ...  | Boys 8 and 4, girls 11, 9 and 6 years.             | Sleeping, 900 cubic feet.              | Ante-room, 482 cubic feet.                      | 418               | The house is owned by this family. The husband is a dock labourer whose work is rather slack at present. The light and ventilation were fair and the place clean at the time of visit.  |
| Do. ...               | Man, wife, and boys 4 and 3 and 10 months.         | Sleeping, 1,050 cubic feet.            | First floor back room, 591 cubic feet.          | 459               | The husband is a gasworks labourer, earning 25s. per week. The light and ventilation were fair at the time of visit. These people have now obtained another place to go to, and are only waiting for the rooms to be done up; the first-mentioned family will then take over the whole house. |
| Great Maze Court ...  | Woman, girls 20, 18 and 13 years.                  | Sleeping, 1,200 cubic feet.            | First floor room.                               | 427               | The mother, a widow, works at a fur factory, and the two eldest sisters each earn 10s. per week. The bedding was scanty and dirty, but the light and ventilation were fair at the time of visit. The rent is 7s. 6d. per week.  |

| Address.             | Occupants of overcrowded portion of house.            | Cubic feet space required.     | Rooms occupied and cubic space.           | Deficiency.        | State of Premises and Family.  |
|----------------------|---|--------------------------------|---|--------------------|--|
| Great Maze Court ... | 3 girls and 2 boys ...                                | Sleeping,<br>900 cubic feet.   | Top floor room,<br>585 cubic feet.        | cubic feet.<br>315 | The husband earns 30s. per week, and the rent is 7s. 6d. The light and ventilation were fair at the time of visit.   |
| Neptune Street ...   | Girls 11 and 8, and boys 9, 6 and 2½ years.           | Sleeping,<br>900 cubic feet.   | First floor back room,<br>603 cubic feet. | 297                | The husband is in regular employment in the City. The light and ventilation were bad, the room was dirty and the bedclothes were scanty and dirty at the time of visit.  |
| Elim Street ...      | Man, wife, girl 5, boys 2½ years and 4 months.        | Sleeping,<br>1,050 cubic feet. | Bedroom first floor,<br>852 cubic feet.   | 198                | An alteration has been made in the distribution, so that the overcrowding is partially abated. The husband is steady, but somewhat delicate. He does a little painting in the summer, and sells firewood in the winter, earning 8½d. per hour at the former while at work, and in the winter he can earn from 20s. to 25s. per week, providing he is able to procure wood. The difficulty in obtaining the latter is due to the competition by a large charitable organisation which deals with firewood. It seems that, having more capital at its disposal, it is able to buy up the wood of old buildings, bidding against small men when an auction takes place. The wife sometimes works at a jam factory in the summer months. The rent is 6s. 6d. per week. The house was clean, the mother and children tidy and clean, and the light and ventilation fairly good. |
| Woods Place...       | Man, wife, boy 7 and girl 3 years.                    | Sleeping,<br>900 cubic feet.   | First floor room,<br>778 cubic feet.      | 122                | The husband is a labourer at a jam factory, earning 21s. per week, and his wife also at times works at the factory. The rent is 5s. 6d. per week. There has been a re-distribution here, but although the overcrowding is somewhat less than before, I think some action should be taken. The mother and children were tidy and clean, but the latter seemed somewhat delicate. The walls and ceilings of the house are very dirty, and the light and ventilation of the room used for sleeping is very defective. The people seem respectable but struggling, and the wife has promised that as soon as she can earn a few shillings at the jam factory she will move to Guinness' Buildings.   |
| Turner's Retreat ... | Man, wife, girls 13, 11, 9, 7, and boys 4 and 1 year. | Sleeping,<br>1,800 cubic feet. | Bedroom,<br>622 cubic feet.               | 1,178              | The husband is a carman in casual employment, earning about 6s. or 7s. per week, and the wife earns about 6s. per week. The rent is 5s. per week. The rooms and contents were very dirty and the light and ventilation very bad at the time of visit.  |

| Address.          | Occupants of overcrowded portion of house.                                | Cubic feet space required.             | Rooms occupied and cubic space.        | Deficiency.        | State of Premises and Family.   |
|-------------------|---|--|--|--------------------|---|
| Edward House ...  | Man, wife, boys 14, 12, 8, 6 years, 4 months, and girls 10 and 4 years .. | Living and Sleeping, 2,800 cubic feet. | Two rooms, 2,192 cubic feet.           | cubic feet.<br>608 | The husband is a French polisher in delicate health, and at present out of employment. The wife receives 6s. per week from each of the three eldest children in return for some meals supplied by her, and she earns a few shillings extra by doing machine work and mangling. The sewing machine and the mangle she has on the hire-purchase system. She occasionally gets work at a jam factory. The rooms were fairly clean for the neighbourhood, but the people seemed very poor, and must have great difficulty in making ends meet. There is no question but that the present overcrowding is injurious to the health of the family, and the mother has promised to get out as soon as possible. |
| Gibbons Rents ... | Man, wife and girl 5 years  | Sleeping, 750 cubic feet.              | Top floor room, 490 cubic feet.        | 260                | The overcrowding, as far as cubic space is concerned, is partially abated by removing the boy, who was in the top room, down to the ground floor. Had the light and ventilation of the top room been good, this might have been looked upon as an abatement, but the room in question is an attic room, and in my opinion is not suitable for any more than one person to occupy. The husband is a painter, and has been out of work for six weeks. The wife has promised, as soon as he gets some work, she will look for a more suitable place.   |
| Snowsfields ...   | Man, wife, girls 7, 4 years and 11 months, and boys 14, 11 and 5 years.   | Sleeping, 1,800 cubic feet.            | First floor back room, 759 cubic feet. | 1,041              | The husband is a chronic invalid, as the result of an accident about eighteen months ago. They make a precarious living by a small shop on the ground floor, and let off the other rooms. An endeavour is being made to re-arrange the occupants so as to abate the overcrowding, and if satisfactory will be reported later.   |
| Gibbons Rents ... | Man and wife ...  | Sleeping, 600 cubic feet.              | Top room, 490 cubic feet.              | 110                | The husband is a labourer in fairly constant work. The house is fairly clean. The top bedroom is an attic room very badly ventilated, and there is insufficient cubic capacity for two. There are three rooms in the house, the rent of which is 7s. per week. The middle room is let off at 2s. 6d. per week.  |

| Address.            | Occupants of overcrowded portion of house.                         | Cubic feet space required.             | Rooms occupied and cubic space.           | Deficiency.        | State of Premises and Family.  |
|---------------------|--|--|---|--------------------|--|
| Marigold Street ... | Man, wife, boys 14 years and 6 months, girls 6 and 3 years.        | Living and Sleeping, 1,800 cubic feet. | First floor front room, 1,375 cubic feet. | cubic feet.<br>425 | The husband is a packer earning £1 per week, and the boy, aged 14, earns 7s. per week. The light and ventilation were good, and the people were very clean, but poor.  |
| Do. ...             | Man, wife, boys 8 and 2, and girls 12, 6 and 4 years.              | Living and Sleeping, 2,000 cubic feet. | First floor back room, 1,561 cubic feet.  | 439                | The father is a lighterman. The room was fairly clean, but the light and ventilation were bad. Two children, included in the previous report, have been removed to the Infirmary suffering from scabies, and this has temporarily reduced the overcrowding from 1,039 to 439 cubic feet. |
| Ainsty Street ...   | Man, wife, girls 2 years and 7 weeks.                              | Living and Sleeping, 1,200 cubic feet. | Ground floor back room, 830 cubic feet.   | 370                | The husband is a barge builder's labourer, with uncertain work. The light and ventilation were fair, and the room was clean and tidy, but very small.  |
| Kinross Street ...  | Man, wife and 2 children, aged 2½ years and 2 months respectively. | Living and Sleeping, 1,200 cubic feet. | First floor back room, 874 cubic feet.    | 326                | The husband is a waterman, with very little work at present, earning about 15s. per week. The room was fairly clean, but very small. The light and ventilation were indifferent at the time of visit.  |

## Health Visitor.

The following table shows the work done by the Health Visitor during the year under report:—

|  | Whole Borough. | Bermondsey Wards. |     |     |     |     |     | Rotherhithe Wards. |     |     | St. Olave Wards. |            |             |
|--|----------------|-------------------|-----|-----|-----|-----|-----|--------------------|-----|-----|------------------|------------|-------------|
|  |                | 1                 | 2   | 3   | 4   | 5   | 6   | 1                  | 2   | 3   | St. John.        | St. Olave. | St. Thomas. |
| Births Notified—   |                |                   |     |     |     |     |     |                    |     |     |                  |            |             |
| By Guy's Hospital  | 1,724          | 568               | 403 | 338 | 4   | 5   | 243 | 1                  | —   | —   | 107              | 39         | 16          |
| By Midwives  | 730            | 18                | 13  | 86  | 119 | 106 | 35  | 183                | 107 | 31  | 19               | 10         | 3           |
| By Doctors   | 841            | 27                | 31  | 88  | 138 | 103 | 37  | 179                | 167 | 50  | 19               | 2          | —           |
| By Parents   | 617            | 26                | 35  | 61  | 77  | 73  | 17  | 92                 | 145 | 71  | 17               | 1          | 2           |
| Total  | 3,912          | 639               | 482 | 573 | 338 | 287 | 332 | 455                | 419 | 152 | 162              | 52         | 21          |
| Births Visited—  |                |                   |     |     |     |     |     |                    |     |     |                  |            |             |
| Primary Visits   | 2,155          | 569               | 223 | 372 | 155 | 213 | 198 | 177                | 42  | 28  | 98               | 64         | 16          |
| Secondary Visits   | 444            | 97                | 76  | 102 | 35  | 27  | 45  | 28                 | 7   | 2   | 17               | 8          | —           |
| Other Calls and Visits   | 99             | 9                 | 10  | 20  | 15  | 9   | 12  | 13                 | 6   | 3   | 2                | —          | —           |
| Total Visits paid  | 2,698          | 675               | 309 | 494 | 205 | 249 | 255 | 218                | 55  | 33  | 117              | 72         | 16          |
| Insanitary Conditions reported to Medical Officer of Health... |                |                   |     |     |     |     |     |                    |     |     |                  |            |             |
|  | 16             | 5                 | 1   | 4   | —   | —   | 3   | —                  | 1   | 1   | —                | 1          | —           |

|                               |     |     |     |              |
|-------------------------------|-----|-----|-----|--------------|
| Number of babies breast fed   | ... | ... | ... | 2,128        |
| " bottle fed                  | ... | ... | ... | 20*          |
| " fed otherwise (e.g., spoon) | ... | ... | ... | 7            |
|                               |     |     |     | <u>2,155</u> |

\* Type of feeding bottle used:—Boat shape, 14; long tube, 6.

Children put out to nurse, 20.

From this table it will be seen that out of a total of 3,912 births notified 2,155 were visited at least once. Since it was impossible for one Health Visitor to visit every case in the Borough, it was decided that at least the poorer patients and those least likely to have a private medical man in attendance, who could advise them at any time, should be visited by the Health Visitor. It was thought, therefore, that all cases notified by Guy's Hospital and by midwives should be systematically visited, and that, after these, notifications by parents and special notifications by doctors should receive attention. I am of opinion, however, that a Health Visitor should call at every house in the Borough where a birth occurs, because only in this way can she judge if there is any necessity for further advice. I look upon the secondary visits as quite as important as the first, and my reasons for saying this will be found in the figures immediately below the table. Out of the 2,155 cases visited it was found that 2,128 were breast fed and only 27 artificially fed. Such a statement as this without further explanation would seem to indicate that a Health Visitor is quite superfluous, as breast feeding is apparently universal in the Borough, but such an opinion would not be correct. The babies are breast fed for the first month or six weeks at the most, i.e., until the mothers return to work. There is a tremendous amount of casual labour in Bermondsey, and as a consequence the incomes of the poorer families must be supplemented by the mother's work. When they go out they leave the babies in charge of neighbours and cease breast feeding. It is a wonder so many children are alive at the end of the first year as there are. This only emphasises the necessity of the Health Visitor following up suitable cases, and also the advisability of extending the crèche system for taking care of babies whose mothers are out at work.

This paragraph, which was in last year's report, has been reproduced without alteration except for figures, since the opinion expressed then still holds good, and it emphasizes the advisability of having at least one more Health Visitor if the work is to be effectually done. The number of primary visits are not so many as last year, but this is owing to the fact that we were without a Health Visitor for the last two months of the year, and the number of secondary visits was larger.

#### IV.—FACTORIES AND WORKSHOPS.

In Table X. of the Appendix will be found particulars of the inspections of factories and workshops, and in the following table particulars regarding the trades and persons employed in connection with workshops. There were 693 workshops on the Register in 1910, against 692 in 1909. Including bakehouses, of which there were 81 in use, the total is 774.

#### OUTWORKERS.

There were 709 outworkers on the Register at the end of 1910. 95 lists were sent in by firms in this Borough employing outworkers. Table X. of the Appendix shows the various trades followed by outworkers in this district.

## APPENDIX.

TABLE I.—VITAL STATISTICS OF WHOLE DISTRICT DURING 1910 AND PREVIOUS YEARS.

| Year.                        | Population estimated to Middle of each Year. | Births. |        | Total Deaths registered in the District. |                                   |              |        | Total Deaths in Public Institutions in the District. | Deaths of Non-Residents registered in Public Institutions in the District. | Deaths of Residents registered in Public Institutions beyond the District. | Net Deaths at all Ages belonging to the District. |        |
|------------------------------|--|---------|--------|--|-----------------------------------|--------------|--------|--|--|--|---|--------|
|                              |  | No.     | Rate.* | Under 1 Year of Age.                     |                                   | At all Ages. |        |  |  |  | No.   | Rate.* |
|                              |  |         |        | No.                                      | Rate per 1,000 Births registered. | No.          | Rate.* |  |  |  |   |        |
| 1                            | 2  | 3       | 4      | 5  | 6                                 | 7            | 8      | 9  | 10   | 11   | 12  | 13     |
| 1900                         | 131,748                                      | 4,410   | 33.5   | 837                                      | 190                               | 2,684        | 20.4   | 540  | 99   | 477  | 3,062   | 23.3   |
| 1901                         | 130,633                                      | 4,459   | 34.1   | 711                                      | 159                               | 2,320        | 17.8   | 423  | 52   | 451  | 2,719   | 20.8   |
| 1902                         | 130,137                                      | 4,346   | 33.4   | 636                                      | 146                               | 2,323        | 17.8   | 460  | 63   | 496  | 2,756   | 21.2   |
| 1903                         | 129,654                                      | 4,200   | 32.4   | 596                                      | 142                               | 1,973        | 15.2   | 414  | 40   | 449  | 2,382   | 18.4   |
| 1904                         | 129,187                                      | 4,193   | 32.4   | 654                                      | 156                               | 2,142        | 16.6   | 440  | 44   | 495  | 2,593   | 20.1   |
| 1905                         | 128,730                                      | 4,288   | 33.3   | 547                                      | 127                               | 1,911        | 14.8   | 439  | 33   | 521  | 2,399   | 18.6   |
| 1906                         | 128,288                                      | 4,031   | 31.4   | 533                                      | 132                               | 1,979        | 15.4   | 456  | 20   | 570  | 2,529   | 19.7   |
| 1907                         | 127,856                                      | 4,013   | 31.4   | 441                                      | 110                               | 1,856        | 14.5   | 460  | 25   | 507  | 2,338   | 18.3   |
| 1908                         | 127,438                                      | 4,172   | 32.1   | 534                                      | 128                               | 1,951        | 15.0   | 591  | 37   | 530  | 2,444   | 18.8   |
| 1909                         | 127,030                                      | 4,055   | 31.9   | 480                                      | 118                               | 1,947        | 15.3   | 562  | 26   | 466  | 2,387   | 18.8   |
| Averages for years 1900-1909 | 129,070                                      | 4,217   | 32.6   | 597                                      | 141                               | 2,109        | 16.3   | 478  | 44   | 496  | 2,561   | 19.8   |
| 1910                         | 126,634                                      | 3,957   | 31.2   | 403                                      | 102                               | 1,717        | 13.5   | 550  | 30   | 542  | 2,229   | 17.6   |

\* Rates in columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water), 1336.1.

At Census of 1901—Total population of all ages, 130,760.

Do. Number of inhabited houses, 15,817.

Do. Average number of persons per house, 8.26.

| I.  | II.  | III.  |
|---|--|---|
| Institutions within the District receiving sick and infirm persons from outside the District. | Institutions outside the District receiving sick and infirm persons from the District. | Other Institutions, the deaths in which have been distributed among the several localities in the District. |
| No. of Deaths.  |  | No. of Deaths.  |
| Bermondsey Infirmary, Lower Road ... 12   | Bermondsey Workhouse, Ladywell—59 deaths   | Bermondsey Workhouse, Ladywell ... 59   |
| Deaths in River Thames, Surrey Commercial Docks, &c. ... 12                                   |  | Guy's Hospital ... 247  |
| Railway ... 1   |  | Brompton Hospital ... 1   |
| Private Houses ... 2  |  | Belgrave Hospital ... 2   |
| Street ... 3  |  | Charing Cross Hospital ... 2  |
|   |  | Children's Hospital, Great Ormond Street ... 1  |
|   |  | Evelina Hospital ... 30   |
|   |  | East London Hospital ... 19   |
|   |  | Great Northern Hospital ... 1   |
|   |  | Gore Farm Hospital ... 1  |
|   |  | General Hospital, Tunbridge Wells ... 1   |
|   |  | London Hospital ... 3   |
|   |  | Middlesex Hospital ... 1  |
|   |  | National Hospital, Queen Square ... 1   |
|   |  | Royal Eye Hospital ... 1  |
|   |  | Royal Free Hospital ... 1   |
|   |  | Royal Hospital, Waterloo Road ... 5   |
|   |  | St. Bartholomew's Hospital ... 10   |
|   |  | St. Thomas' Hospital ... 11   |
|   |  | Seamen's Hospital ... 1   |
|   |  | St. Mary's Hospital ... 1   |
|   |  | South Eastern Hospital ... 26   |
|   |  | South Western Hospital ... 1  |
|   |  | University College Hospital ... 2   |
|   |  | Sick Asylum, Cleveland Street ... 1   |
| Total ... 30  |  |   |

| I.<br>Institutions within the District<br>receiving sick and infirm persons<br>from outside the District. | II.<br>Institutions outside the District<br>receiving sick and infirm persons<br>from the District. | III.<br>Other Institutions, the deaths in which have<br>been distributed among the several localities in the<br>District. | No. of<br>Deaths. |
|---|---|---|-------------------|
|   |   | Banstead Asylum ... ..  | 3                 |
|   |   | Cane Hill Asylum ... ..   | 3                 |
|   |   | Caterham Asylum ... ..  | 10                |
|   |   | Claybury Asylum ... ..  | 2                 |
|   |   | Colney Hatch Asylum ... ..  | 1                 |
|   |   | Darenth Asylum ... ..   | 1                 |
|   |   | Dartford Heath Asylum ... ..  | 4                 |
|   |   | Horton Asylum ... ..  | 10                |
|   |   | Hanwell Asylum ... ..   | 1                 |
|   |   | Leavesden Asylum ... ..   | 4                 |
|   |   | Long Grove Asylum ... ..  | 15                |
|   |   | Tooting Bec Asylum ... ..   | 9                 |
|   |   | Camberwell Workhouse ... ..   | 1                 |
|   |   | City Infirmary ... ..   | 2                 |
|   |   | Greenwich Infirmary ... ..  | 1                 |
|   |   | Lambeth Infirmary ... ..  | 1                 |
|   |   | Holborn Infirmary ... ..  | 1                 |
|   |   | Southwark Infirmary ... ..  | 3                 |
|   |   | Whitechapel Infirmary ... ..  | 1                 |
|   |   | Children's Infirmary, Carshalton ... ..   | 8                 |
|   |   | Mothers' Home, 396, Commercial Rd., E. ... ..   | 1                 |
|   |   | Catholic Nursing Institute, Lambeth<br>Road ... ..  | 1                 |
|   |   | St. Peter's House, Lambeth ... ..   | 3                 |
|   |   | River Thames and Canal ... ..   | 4                 |
|   |   | In Private Premises or Street ... ..  | 18                |
|   |   | Total ... ..  | 542               |

TABLE II.—VITAL STATISTICS OF SEPARATE LOCALITIES IN 1910 AND PREVIOUS YEARS.

|                                   | BERMONDSEY.  |                            |                           |                            | ROTHERHITHE.   |                            |                           |                            | ST. OLAVE.   |                            |                           |                            |
|-----------------------------------|--|----------------------------|---------------------------|----------------------------|--|----------------------------|---------------------------|----------------------------|--|----------------------------|---------------------------|----------------------------|
| Year.                             | Population<br>estimated<br>to middle<br>of each<br>year. | Births<br>regis-<br>tered. | Deaths<br>at all<br>Ages. | Deaths<br>under<br>1 year. | Population<br>estimated<br>to middle<br>of each<br>year. | Births<br>regis-<br>tered. | Deaths<br>at all<br>Ages. | Deaths<br>under<br>1 year. | Population<br>estimated<br>to middle<br>of each<br>year. | Births<br>regis-<br>tered. | Deaths<br>at all<br>Ages. | Deaths<br>under<br>1 year. |
| 1900                              | 82,925   | 2,826                      | 1,948                     | 526                        | 38,742   | 1,184                      | 883                       | 243                        | 10,081   | 400                        | 231                       | 48                         |
| 1901                              | 82,441   | 2,920                      | 1,768                     | 497                        | 38,446   | 1,220                      | 747                       | 215                        | 9,746  | 319                        | 204                       | 42                         |
| 1902                              | 82,281   | 2,855                      | 1,782                     | 455                        | 38,394   | 1,170                      | 741                       | 174                        | 9,462  | 321                        | 233                       | 49                         |
| 1903                              | 82,129   | 2,801                      | 1,523                     | 453                        | 38,347   | 1,116                      | 655                       | 168                        | 9,178  | 283                        | 204                       | 36                         |
| 1904                              | 81,986   | 2,748                      | 1,634                     | 477                        | 38,304   | 1,083                      | 713                       | 187                        | 8,897  | 362                        | 246                       | 59                         |
| 1905                              | 81,852   | 2,894                      | 1,597                     | 422                        | 38,264   | 1,130                      | 604                       | 164                        | 8,614  | 264                        | 198                       | 45                         |
| 1906                              | 81,727   | 2,683                      | 1,618                     | 408                        | 38,229   | 1,089                      | 702                       | 170                        | 8,332  | 259                        | 209                       | 46                         |
| 1907                              | 81,610   | 2,674                      | 1,506                     | 335                        | 38,197   | 1,110                      | 669                       | 144                        | 8,049  | 229                        | 163                       | 32                         |
| 1908                              | 81,500   | 2,785                      | 1,613                     | 411                        | 38,169   | 1,129                      | 611                       | 151                        | 7,769  | 258                        | 220                       | 48                         |
| 1909                              | 81,398   | 2,739                      | 1,563                     | 396                        | 38,145   | 1,069                      | 654                       | 143                        | 7,487  | 247                        | 170                       | 34                         |
| Averages<br>of years<br>1900-1909 | 81,985   | 2,792                      | 1,655                     | 438                        | 38,324   | 1,130                      | 698                       | 176                        | 8,761  | 294                        | 208                       | 43                         |
| 1910                              | 81,304   | 2,661                      | 1,441                     | 341                        | 38,125   | 1,040                      | 603                       | 134                        | 7,205  | 256                        | 185                       | 27                         |

TABLE III.—CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1910.

| Notifiable Disease.                     | Cases Notified in Whole District. |                |        |         |          |          |                | Total Cases Notified in each Locality. |     |     |     |     |     |        |              |     |     |        |            |             |            |        |              | No. of Cases Removed to Hospital from each Locality. |            |     | Total Cases Removed to Hospital. |
|---|-----------------------------------|----------------|--------|---------|----------|----------|----------------|--|-----|-----|-----|-----|-----|--------|--------------|-----|-----|--------|------------|-------------|------------|--------|--------------|--|------------|-----|----------------------------------|
|   | At all Ages.                      | At Ages—Years. |        |         |          |          |                | Bermundsey.                            |     |     |     |     |     |        | Rotherhithe. |     |     |        | St. Olave. |             |            |        |              |  |            |     |                                  |
|   |                                   | Under 1        | 1 to 5 | 5 to 15 | 15 to 25 | 25 to 65 | 65 and upwards | 1                                      | 2   | 3   | 4   | 5   | 6   | Total. | 1            | 2   | 3   | Total. | St. John.  | St. Thomas. | St. Olave. | Total. | Ber-mundsey. | Rother-hithe.  | St. Olave. |     |                                  |
| Small-pox ... ..                        | 1                                 | ...            | ...    | ...     | ...      | 1        | ...            | ...                                    | ... | 1   | ... | ... | ... | 1      | ...          | ... | ... | ...    | ...        | ...         | ...        | ...    | ...          | ...  | ...        | ... |                                  |
| Cholera ... ..                          | ...                               | ...            | ...    | ...     | ...      | ...      | ...            | ...                                    | ... | ... | ... | ... | ... | ...    | ...          | ... | ... | ...    | ...        | ...         | ...        | ...    | ...          | ...  | ...        | ... |                                  |
| Diphtheria (including Membranous Croup) | 207                               | 6              | 104    | 74      | 12       | 11       | ...            | 26                                     | 23  | 20  | 27  | 14  | 21  | 131    | 29           | 17  | 15  | 61     | 7          | 6           | 2          | 15     | 125          | 57   | 14         | 196 |                                  |
| Erysipelas ... ..                       | 129                               | 4              | 3      | 10      | 10       | 89       | 13             | 18                                     | 16  | 11  | 11  | 13  | 10  | 79     | 20           | 14  | 4   | 38     | 8          | 2           | 2          | 12     | ...          | ...  | ...        | ... |                                  |
| Scarlet Fever ... ..                    | 361                               | 4              | 127    | 199     | 23       | 8        | ...            | 39                                     | 46  | 54  | 52  | 41  | 28  | 260    | 34           | 28  | 16  | 78     | 18         | 1           | 4          | 23     | 249          | 72   | 23         | 344 |                                  |
| Typhus Fever ... ..                     | ...                               | ...            | ...    | ...     | ...      | ...      | ...            | ...                                    | ... | ... | ... | ... | ... | ...    | ...          | ... | ... | ...    | ...        | ...         | ...        | ...    | ...          | ...  | ...        | ... |                                  |
| Enteric Fever ... ..                    | 37                                | ...            | ...    | 16      | 8        | 12       | 1              | 4                                      | 5   | 1   | 6   | 5   | ... | 21     | 7            | 1   | 5   | 13     | 2          | 1           | ...        | 3      | 20           | 8  | 3          | 31  |                                  |
| Relapsing Fever ... ..                  | ...                               | ...            | ...    | ...     | ...      | ...      | ...            | ...                                    | ... | ... | ... | ... | ... | ...    | ...          | ... | ... | ...    | ...        | ...         | ...        | ...    | ...          | ...  | ...        | ... |                                  |
| Continued Fever ... ..                  | ...                               | ...            | ...    | ...     | ...      | ...      | ...            | ...                                    | ... | ... | ... | ... | ... | ...    | ...          | ... | ... | ...    | ...        | ...         | ...        | ...    | ...          | ...  | ...        | ... |                                  |
| Puerperal Fever ... ..                  | 6                                 | ...            | ...    | ...     | 3        | 3        | ...            | ...                                    | 1   | 3   | ... | ... | ... | 4      | 1            | ... | 1   | 2      | ...        | ...         | ...        | ...    | ...          | ...  | ...        | ... |                                  |
| Plague ... ..                           | ...                               | ...            | ...    | ...     | ...      | ...      | ...            | ...                                    | ... | ... | ... | ... | ... | ...    | ...          | ... | ... | ...    | ...        | ...         | ...        | ...    | ...          | ...  | ...        | ... |                                  |
| Cerebro-spinal Meningitis ... ..        | 5                                 | 3              | 2      | ...     | ...      | ...      | ...            | 2                                      | 2   | ... | 1   | ... | ... | 5      | ...          | ... | ... | ...    | ...        | ...         | ...        | ...    | ...          | ...  | ...        | ... |                                  |
| Totals ... ..                           | 746                               | 17             | 236    | 299     | 56       | 124      | 14             | 89                                     | 93  | 90  | 97  | 73  | 59  | 501    | 91           | 60  | 41  | 192    | 35         | 10          | 8          | 53     | 394          | 137  | 40         | 571 |                                  |

TABLE IV.—BIRTHS AND CORRECTED DEATHS FOR THE YEAR 1910.

| Cause of Death.                         | Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District. |          |                |                 |                  |                  |                 | Deaths at all ages of "Residents," belonging to Localities, whether occurring in or beyond the District. |              |            | Total Deaths whether of "Residents" or "Non-residents" in Public Institutions in the District. |
|---|--|----------|----------------|-----------------|------------------|------------------|-----------------|--|--------------|------------|--|
|   | All Ages.  | Under 1. | 1 and under 5. | 5 and under 15. | 15 and under 25. | 25 and under 65. | 65 and upwards. | Bermondsey.  | Rotherhithe. | St. Olave. |  |
| Small-pox ...                           | ...  | ...      | ...            | ...             | ...              | ...              | ...             | ...  | ...          | ...        | ...  |
| Measles ...                             | 143  | 22       | 118            | 3               | ...              | ...              | ...             | 109  | 27           | 7          | 25   |
| Scarlet Fever ...                       | 14   | ...      | 10             | 4               | ...              | ...              | ...             | 12   | 2            | ...        | ...  |
| Whooping Cough ...                      | 44   | 12       | 31             | 1               | ...              | ...              | ...             | 29   | 13           | 2          | 6  |
| Diphtheria (including Membranous Croup) | 18   | 2        | 13             | 3               | ...              | ...              | ...             | 9  | 9            | ...        | ...  |
| Croup ...                               | ...  | ...      | ...            | ...             | ...              | ...              | ...             | ...  | ...          | ...        | ...  |
| Fever { Typhus ...                      | ...  | ...      | ...            | ...             | ...              | ...              | ...             | ...  | ...          | ...        | ...  |
| Enteric ...                             | 4  | ...      | ...            | 1               | ...              | 2                | 1               | 1  | 2            | 1          | 1  |
| Other Continued                         | 3  | 1        | 2              | ...             | ...              | ...              | ...             | 3  | ...          | ...        | 1  |
| Epidemic Influenza                      | 16   | ...      | 1              | 1               | 1                | 7                | 6               | 10   | 6            | ...        | ...  |
| Cholera ...                             | ...  | ...      | ...            | ...             | ...              | ...              | ...             | ...  | ...          | ...        | ...  |
| Plague ...                              | ...  | ...      | ...            | ...             | ...              | ...              | ...             | ...  | ...          | ...        | ...  |
| Diarrhoea ...                           | 87   | 63       | 24             | ...             | ...              | ...              | ...             | 58   | 23           | 6          | 10   |
| Enteritis ...                           | 6  | 2        | ...            | ...             | ...              | 4                | ...             | 4  | 1            | 1          | ...  |
| Gastritis ...                           | 3  | 1        | ...            | ...             | ...              | 2                | ...             | 1  | 2            | ...        | ...  |
| Puerperal Fever ...                     | 3  | ...      | ...            | ...             | 2                | 1                | ...             | 2  | 1            | ...        | 1  |
| Erysipelas ...                          | 4  | 3        | ...            | ...             | ...              | 1                | ...             | 1  | 3            | ...        | 1  |
| Phthisis (Pulmonary Tuberculosis) ...   | 219  | 3        | 7              | 2               | 29               | 169              | 9               | 148  | 50           | 21         | 104  |
| Other Tuberculous Diseases ...          | 71   | 27       | 28             | 11              | 3                | 2                | ...             | 49   | 15           | 7          | 16   |
| Cancer, Malignant Disease ...           | 146  | ...      | 2              | 2               | 1                | 92               | 49              | 82   | 53           | 11         | 55   |
| Bronchitis ...                          | 209  | 28       | 8              | 1               | 1                | 66               | 105             | 119  | 67           | 23         | 87   |
| Pneumonia ...                           | 235  | 74       | 75             | 7               | 4                | 55               | 20              | 161  | 53           | 21         | 34   |
| Pleurisy ...                            | 5  | ...      | 4              | ...             | ...              | 1                | ...             | 3  | 1            | 1          | ...  |
| Other Diseases of Respiratory Organs    | 23   | 1        | 2              | ...             | 1                | 14               | 5               | 15   | 7            | 1          | 3  |
| Alcoholism ...                          | 15   | ...      | ...            | ...             | 1                | 10               | 4               | 10   | 5            | ...        | 4  |
| Cirrhosis of Liver }                    | ...  | ...      | ...            | ...             | ...              | ...              | ...             | ...  | ...          | ...        | ...  |
| Veneral Diseases ...                    | 6  | 1        | 1              | ...             | 1                | 3                | ...             | 2  | 2            | 2          | 1  |
| Premature Birth ...                     | 83   | 83       | ...            | ...             | ...              | ...              | ...             | 56   | 26           | 1          | ...  |
| Diseases and Accidents of Parturition   | 4  | ...      | ...            | ...             | 2                | 2                | ...             | 2  | 1            | 1          | ...  |
| Heart Diseases ...                      | 151  | ...      | ...            | 7               | 16               | 93               | 35              | 102  | 42           | 7          | 47   |
| Accidents ...                           | 90   | 23       | 6              | 15              | 8                | 29               | 9               | 60   | 21           | 9          | 3  |
| Suicides ...                            | 11   | ...      | ...            | ...             | ...              | 10               | 1               | 11   | ...          | ...        | ...  |
| All other Causes ...                    | 616  | 156      | 37             | 17              | 18               | 189              | 199             | 382  | 171          | 63         | 151  |
| All Causes ...                          | 2,229  | 502      | 369            | 75              | 88               | 752              | 443             | 1,441  | 603          | 185        | 550  |

| BIRTHS. | BERMONDSEY. |       |         | ROTHERHITHE. |     |         | ST. OLAVE. |     |         | WHOLE BOROUGH. |       |         |
|---------|-------------|-------|---------|--------------|-----|---------|------------|-----|---------|----------------|-------|---------|
|         | M.          | F.    | M. & F. | M.           | F.  | M. & F. | M.         | F.  | M. & F. | M.             | F.    | M. & F. |
|         | 1,342       | 1,319 | 2,661   | 540          | 500 | 1,040   | 135        | 121 | 256     | 2,017          | 1,940 | 3,957   |

TABLE V.—INFANTILE MORTALITY DURING THE YEAR 1910. DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE YEAR OF AGE.

| CAUSE OF DEATH.             |   | Under 1 week. | 1-2 weeks. | 2-3 weeks. | 3-4 weeks. | Total under 1 month. | 1-2 months. | 2-3 months. | 3-4 months. | 4-5 months. | 5-6 " | 6-7 months. | 7-8 months. | 8-9 months. | 9-10 months. | 10-11 months. | 11-12 months. | Total Deaths under 1 year, 1910. | Total Deaths under 1 year, 1909. |
|-----------------------------|---|---------------|------------|------------|------------|----------------------|-------------|-------------|-------------|-------------|-------|-------------|-------------|-------------|--------------|---------------|---------------|----------------------------------|----------------------------------|
|                             |   |               |            |            |            |                      |             |             |             |             |       |             |             |             |              |               |               |                                  |                                  |
| All Causes                  | { Certified ...                                 | 86            | 17         | 18         | 18         | 139                  | 56          | 51          | 39          | 38          | 25    | 24          | 34          | 19          | 28           | 22            | 27            | 502                              | 573                              |
|                             | { Uncertified ...                               | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | ...         | ...         | ...          | ...           | ...           | ...                              | ...                              |
| Common Infectious Diseases— |   |               |            |            |            |                      |             |             |             |             |       |             |             |             |              |               |               |                                  |                                  |
|                             | Small-pox ...                                   | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | ...         | ...         | ...          | ...           | ...           | ...                              | ...                              |
|                             | Chicken-pox ...                                 | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | ...         | ...         | ...          | ...           | ...           | ...                              | ...                              |
|                             | Measles ...                                     | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | 1           | 5           | 2           | 4            | 8             | 2             | 22                               | 32                               |
|                             | Scarlet Fever ...                               | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | ...         | ...         | ...          | ...           | ...           | ...                              | 1                                |
|                             | Diphtheria (including Membranous Croup) ...     | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | ...         | ...         | 1            | 1             | ...           | 2                                | 4                                |
|                             | Whooping Cough ...                              | ...           | ...        | ...        | ...        | ...                  | ...         | 1           | 1           | 3           | 2     | ...         | 1           | ...         | 1            | 1             | 2             | 12                               | 35                               |
| Diarrhoeal Diseases—        |   |               |            |            |            |                      |             |             |             |             |       |             |             |             |              |               |               |                                  |                                  |
|                             | Diarrhoea, all forms ...                        | ...           | ...        | 1          | 1          | 2                    | 6           | 11          | 5           | 5           | 9     | 4           | 6           | 3           | 6            | 2             | 4             | 63                               | 59                               |
|                             | Enteritis, Muco-enteritis, Gastro-enteritis ... | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | 1           | 1     | ...         | ...         | ...         | ...          | ...           | ...           | 2                                | 1                                |
|                             | Gastritis, Gastro-intestinal Catarrh ...        | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | 1           | ...         | ...          | ...           | ...           | 1                                | 7                                |
| Wasting Diseases—           |   |               |            |            |            |                      |             |             |             |             |       |             |             |             |              |               |               |                                  |                                  |
|                             | Premature Birth ...                             | 53            | 7          | 6          | 6          | 72                   | 10          | ...         | 1           | ...         | ...   | ...         | ...         | ...         | ...          | ...           | ...           | 83                               | 81                               |
|                             | Congenital Defects ...                          | 4             | 1          | 3          | 1          | 9                    | 1           | ...         | 2           | ...         | ...   | ...         | ...         | ...         | ...          | ...           | 1             | 13                               | 20                               |
|                             | Injury at Birth ...                             | 7             | ...        | ...        | ...        | 7                    | ...         | ...         | ...         | ...         | ...   | ...         | ...         | ...         | ...          | ...           | ...           | 7                                | 6                                |
|                             | Want of Breast-milk, Starvation ...             | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | ...         | ...         | ...          | ...           | ...           | ...                              | 5                                |
|                             | Atrophy, Debility, Marasmus ...                 | 9             | 3          | 1          | 6          | 19                   | 15          | 19          | 10          | 12          | 4     | 2           | 3           | 3           | ...          | ...           | 1             | 88                               | 92                               |
| Tuberculous Diseases—       |   |               |            |            |            |                      |             |             |             |             |       |             |             |             |              |               |               |                                  |                                  |
|                             | Tuberculous Meningitis ...                      | ...           | ...        | ...        | ...        | ...                  | ...         | 1           | ...         | ...         | 2     | ...         | ...         | ...         | ...          | 1             | 1             | 5                                | 7                                |
|                             | Tuberculous Peritonitis: Tabes Mesenterica ...  | ...           | ...        | ...        | ...        | ...                  | 4           | 1           | 4           | 1           | ...   | 2           | ...         | ...         | ...          | ...           | ...           | 12                               | 18                               |
|                             | Other Tuberculous Diseases ...                  | ...           | ...        | ...        | ...        | ...                  | 1           | ...         | 2           | ...         | ...   | 3           | 3           | ...         | 1            | 2             | ...           | 14                               | 13                               |
| Other Causes—               |   |               |            |            |            |                      |             |             |             |             |       |             |             |             |              |               |               |                                  |                                  |
|                             | Erysipelas ...                                  | ...           | ...        | ...        | 1          | 1                    | ...         | ...         | ...         | ...         | ...   | 1           | 1           | ...         | ...          | ...           | ...           | 3                                | 5                                |
|                             | Syphilis ...                                    | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | ...         | ...         | ...          | ...           | 1             | 1                                | 5                                |
|                             | Rickets ...                                     | ...           | ...        | ...        | ...        | ...                  | ...         | 1           | ...         | 1           | ...   | ...         | 1           | ...         | ...          | ...           | ...           | 3                                | 1                                |
|                             | Meningitis (not Tuberculous) ...                | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | 1           | 1           | ...          | ...           | 1             | 3                                | 3                                |
|                             | Convulsions ...                                 | 3             | 3          | 1          | ...        | 7                    | 2           | 1           | 1           | 2           | ...   | 1           | 1           | ...         | ...          | 1             | ...           | 16                               | 13                               |
|                             | Bronchitis ...                                  | ...           | 1          | 1          | ...        | 2                    | 5           | 2           | 2           | 1           | 2     | 1           | 2           | 3           | 4            | 2             | 2             | 28                               | 37                               |
|                             | Laryngitis ...                                  | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...   | ...         | 1           | ...         | ...          | ...           | ...           | 1                                | 1                                |
|                             | Pneumonia ...                                   | 1             | ...        | 3          | 2          | 6                    | 5           | 10          | 8           | 5           | 5     | 6           | 6           | 4           | 8            | 3             | 8             | 74                               | 79                               |
|                             | Suffocation, overlying ...                      | 1             | ...        | 2          | ...        | 3                    | 2           | 3           | 2           | 5           | ...   | 2           | ...         | ...         | ...          | ...           | ...           | 17                               | 11                               |
|                             | Other Causes ...                                | 8             | 2          | ...        | 1          | 11                   | 5           | 1           | 1           | ...         | ...   | 1           | 2           | 3           | 3            | 1             | 4             | 32                               | 37                               |
|                             |   | 86            | 17         | 18         | 18         | 139                  | 56          | 51          | 39          | 38          | 25    | 24          | 34          | 19          | 28           | 22            | 27            | 502                              | 573                              |

TABLE VI.—POPULATION, BIRTHS AND DEATHS IN WARDS.

| Wards.               | Population at Census, 1901. | Estimated population, 1910. | Births, 1910. | Birth-rate. | Deaths, 1910.* | Death-rate. | Deaths under 1 year of age. | Infantile Mortality per 1,000 Births. |
|----------------------|-----------------------------|-----------------------------|---------------|-------------|----------------|-------------|-----------------------------|---------------------------------------|
| Bermondsey—          |                             |                             |               |             |                |             |                             |                                       |
| Ward 1 ...           | 14,323                      | 14,119                      | 551           | 39.0        | 351            | 24.8        | 104                         | 189                                   |
| " 2 ...              | 14,405                      | 14,199                      | 511           | 35.9        | 211            | 14.8        | 57                          | 111                                   |
| " 3 ...              | 15,633                      | 15,409                      | 564           | 36.6        | 262            | 17.0        | 53                          | 94                                    |
| " 4 ...              | 16,336                      | 16,103                      | 375           | 23.3        | 210            | 13.0        | 36                          | 96                                    |
| " 5 ...              | 11,804                      | 11,635                      | 329           | 28.3        | 192            | 16.5        | 42                          | 128                                   |
| " 6 ...              | 9,982                       | 9,839                       | 331           | 33.6        | 184            | 18.7        | 49                          | 148                                   |
| Rotherhithe—         |                             |                             |               |             |                |             |                             |                                       |
| Ward 1 ...           | 15,508                      | 15,375                      | 471           | 30.6        | 282            | 18.3        | 68                          | 144                                   |
| " 2 ...              | 15,046                      | 14,917                      | 429           | 28.7        | 233            | 15.6        | 45                          | 105                                   |
| " 3 ...              | 7,906                       | 7,833                       | 140           | 17.8        | 88             | 11.2        | 21                          | 150                                   |
| St. Olave—           |                             |                             |               |             |                |             |                             |                                       |
| St. John ...         | 5,986                       | 4,393                       | 166           | 37.8        | 110            | 25.0        | 18                          | 108                                   |
| St. Olave ...        | 2,250                       | 1,651                       | 64            | 38.7        | 58             | 35.1        | 7                           | 109                                   |
| St. Thomas ...       | 1,581                       | 1,161                       | 26            | 22.4        | 17             | 14.6        | 2                           | 77                                    |
| Whole Borough—Totals | 130,760                     | 126,634                     | 3,957         | 31.2        | 2,229          | 17.6        | 502                         | 127                                   |

\* NOTE.—31 Deaths in outlying Institutions could not be allocated to any particular Ward, but are included in the total for the whole Borough.

TABLE VII.—METEOROLOGY OF THE YEAR 1910 (GREENWICH RECORD).

| 1910.<br>Month. | Mean reading of the Barometer. | TEMPERATURE OF THE AIR. |               |                  | RAIN.             |
|-----------------|--------------------------------|-------------------------|---------------|------------------|-------------------|
|                 |                                | A<br>Maximum.           | B<br>Minimum. | Mean of A and B. | Amount Collected. |
| January ...     | 29.681                         | 44.1                    | 35.4          | 39.7             | 1.72              |
| February ...    | 29.500                         | 47.9                    | 35.7          | 41.8             | 2.69              |
| March ...       | 29.991                         | 51.3                    | 34.7          | 43.0             | 1.10              |
| April ...       | 29.672                         | 55.4                    | 38.8          | 47.1             | 2.62              |
| May ...         | 29.713                         | 63.3                    | 45.2          | 54.3             | 2.24              |
| June ...        | 29.720                         | 71.0                    | 51.6          | 61.3             | 2.08              |
| July ...        | 29.709                         | 67.0                    | 51.9          | 59.4             | 3.52              |
| August ...      | 29.741                         | 70.8                    | 52.7          | 61.8             | 2.43              |
| September ...   | 30.046                         | 64.6                    | 48.5          | 56.6             | 0.74              |
| October ...     | 29.841                         | 59.8                    | 47.6          | 53.7             | 1.81              |
| November ...    | 29.476                         | 45.4                    | 32.4          | 38.9             | 3.57              |
| December ...    | 29.545                         | 48.3                    | 40.0          | 44.2             | 3.54              |
| Means ...       | 29.719                         | 57.4                    | 42.9          | 50.1             | 2.34              |

TABLE VIII.—MARRIAGES.

| Year.                           | BERMONDSEY. |       | ROTHERHITHE. |       | ST. OLAVE. |       | WHOLE BOROUGH. |       |
|---------------------------------|-------------|-------|--------------|-------|------------|-------|----------------|-------|
|                                 | No.         | Rate. | No.          | Rate. | No.        | Rate. | No.            | Rate. |
| 1900                            | 783         | 18.88 | 334          | 17.24 | 69         | 13.68 | 1,186          | 18.00 |
| 1901                            | 800         | 19.44 | 296          | 15.42 | 58         | 11.92 | 1,154          | 17.70 |
| 1902                            | 799         | 19.55 | 270          | 14.22 | 54         | 11.50 | 1,123          | 17.39 |
| 1903                            | 794         | 19.56 | 238          | 12.65 | 69         | 15.23 | 1,101          | 17.22 |
| 1904                            | 767         | 18.71 | 280          | 14.62 | 58         | 13.04 | 1,105          | 17.11 |
| 1905                            | 801         | 19.57 | 256          | 13.38 | 51         | 11.81 | 1,108          | 17.21 |
| 1906                            | 719         | 17.59 | 310          | 16.22 | 70         | 16.80 | 1,099          | 17.13 |
| 1907                            | 736         | 18.69 | 315          | 16.49 | 69         | 17.14 | 1,147          | 17.94 |
| 1908                            | 750         | 18.05 | 250          | 12.85 | 84         | 21.21 | 1,084          | 16.69 |
| 1909                            | 723         | 17.76 | 256          | 13.42 | 59         | 15.76 | 1,038          | 16.34 |
| Average for years 1900-1909 ... | 767         | 18.78 | 280          | 14.65 | 64         | 14.81 | 1,114          | 17.27 |
| 1910                            | 754         | 18.55 | 315          | 16.52 | 80         | 22.21 | 1,149          | 18.14 |

TABLE IX.—PROCEEDINGS DURING 1910.

| PREMISES.                         | NUMBER OF PLACES.                 |                      |                        |                                   | Number of<br>Inspection,<br>1910. | Number<br>of<br>Notices,<br>1910.          | Number of<br>Prosecu-<br>tions,<br>1910. |
|-----------------------------------|-----------------------------------|----------------------|------------------------|-----------------------------------|-----------------------------------|--|--|
|                                   | On Register<br>at end of<br>1909. | Added<br>in<br>1910. | Removed<br>in<br>1910. | On Register<br>at end of<br>1910. |                                   |  |  |
| Milk premises ... ..              | 273                               | 40                   | 27                     | 286                               | 559                               | 20   | —  |
| Cowsheds ... ..                   | 5                                 | —                    | 1                      | 4                                 | 51                                | —  | —  |
| Slaughter-houses ... ..           | 1                                 | —                    | —                      | 1                                 | 21                                | —  | —  |
| Other offensive trade premises... | 13                                | —                    | —                      | 13                                | 115                               | 2  | —  |
| Ice-cream premises ... ..         | 133                               | 11                   | —                      | 144                               | 165                               | 10   | —  |
| Registered houses let in lodgings | 219                               | 8                    | —                      | 227                               | 908 {                             | { <sup>*(a)</sup> 14<br><sup>*(b)</sup> 74 | —  |

\* (a) For overcrowding.

\* (b) For other conditions.

|  |   |
|--|---|
| Total number of Intimation Notices served for all purposes ... ..  | 4,144   |
| <i>Overcrowding, 1910—</i>   |   |
| Number of dwelling rooms overcrowded ... ..  | 129   |
| Number remedied ... ..   | 127   |
| Number of prosecutions ... ..  | —   |
| <i>Underground rooms—</i>  |   |
| Illegal occupation dealt with during year ... ..   | 4   |
| Number of rooms closed... ..   | 4   |
| <i>Insanitary houses—</i>  |   |
| Number closed under the Public Health (London) Act, 1891 ... ..  | —   |
| Number closed under the Housing of the Working Classes Act ... ..  | —   |
| Number of premises cleansed under Section 20 of the L.C.C. (General Powers) Act, 1904 ... ..                               | —   |
| Number closed under the Housing, Town Planning, &c., Act, 1909 ... ..  | 21  |
| <i>Shelters provided under sec. 60 (4) of the Public Health (London) Act, 1891—</i>  |   |
| Number of persons accommodated during the year ... ..  | { Families ... 5<br>Adults ... 4<br>Children ... 14 |
| <i>Revenue Acts—</i>   |   |
| Number of houses for which applications were received during year ... ..   | 146   |
| Number of tenements for which certificates were granted ... ..   | 146   |
| Number of tenements for which certificates were deferred ... ..  | —   |
| <i>Housing, Town Planning &amp;c., Act, 1909, Sec. 35—</i>   |   |
| Number of houses for which applications were received during the year ... ..   | 6   |
| Number of houses for which certificates were granted ... ..  | 6   |
| <i>Number of prosecutions under By-laws under Public Health Act, 1891—</i>   |   |
| (a) For prevention of nuisance arising from snow, ice, salt, filth, &c. ... ..   | —   |
| (b) For prevention of nuisance arising from offensive matter running out of any manufactory, &c. ... ..                    | —   |
| (c) For the prevention of keeping of animals in such a manner as to be injurious to health ... ..                          | 1   |
| (d) As to paving of yards, &c., of dwelling houses ... ..  | —   |
| (e) In connection with the removal of offensive matter, &c....   | —   |
| (f) As to cesspools and privies, removal and disposal of refuse, &c. ... ..  | —   |
| (g) For securing the cleanliness of tanks, cisterns, &c. ... ..  | —   |
| (h) With respect to water closets, earth closets, &c. ... ..   | —   |
| (i) With respect to sufficiency of water supply to water closets ... ..  | —   |
| (j) With respect to drainage, &c. (Metropolis Management Act, section 202) ... ..  | —   |
| (k) With respect to deposit of plans as to drainage, &c. (Metropolis Management Acts Amendment (By-laws) Act, 1899) ... .. | —   |
| <i>Mortuaries—</i>   |   |
| Total number of bodies removed ... ..  | 216   |
| Total number of infectious bodies removed ... ..   | 6   |

TABLE X.—FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES AND HOMEWORK.

*Inspection.*

| Premises.  | Number of    |                  |               |
|--|--------------|------------------|---------------|
|  | Inspections. | Written Notices. | Prosecutions. |
| Factories (including Factory Laundries) ... ..   | 107          | 27               | ...           |
| Workshops (including Workshop Laundries) ... ..  | 131          | 86               | ...           |
| Workplaces (other than Outworkers' Premises) ... | 93           | 40               | ...           |
| <b>Total</b> ... ..                              | <b>331</b>   | <b>153</b>       | <b>...</b>    |

*Defects Found.*

| Particulars.  | Number of Defects.             |           |                              | Number of Prosecutions. |
|---|--------------------------------|-----------|------------------------------|-------------------------|
|   | Found.                         | Remedied. | Referred to H. M. Inspector. |                         |
| <i>Nuisances under the Public Health Acts—</i>                                  |                                |           |                              |                         |
| Want of Cleanliness ... ..  | 51                             | 51        | ...                          | ...                     |
| Want of Ventilation ... ..  | 1                              | 1         | ...                          | ...                     |
| Overcrowding ... ..   | 3                              | 3         | ...                          | ...                     |
| Want of Drainage of Floors ... ..   | 2                              | 2         | ...                          | ...                     |
| Other Nuisances ... ..  | 78                             | 78        | ...                          | ...                     |
| Sanitary Accommodation {  | Insufficient ... ..            | 11        | 9                            | ...                     |
|   | Unsuitable or Defective ... .. | 9         | 8                            | ...                     |
|   | Not separate for Sexes ... ..  | 6         | 6                            | ...                     |
| <i>Offences under the Factory and Workshop Act—</i>                             |                                |           |                              |                         |
| Illegal Occupation of Underground Bakehouse (s. 101) ...                        | ...                            | ...       | ...                          | ...                     |
| Breach of Special Sanitary Requirements for Bakehouses (ss. 97 to 100) : ... .. | 2                              | 2         | ...                          | ...                     |
| Other Offences ... ..   | ...                            | ...       | ...                          | ...                     |
| Total ... ..  | 161                            | 158       | ...                          | ...                     |

*Other matters.*

| Class.   | Number.  |
|--|--|
| <i>Matters notified to H.M. Inspectors of Factories—</i>   |  |
| Failure to affix Abstract of the Factory and Workshop Act (s. 133) ...   | ...  |
| Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (s. 7) { | Notified by H.M. Inspectors ... 21                       |
|  | Reports (of action taken) sent to H.M. Inspectors ... 21 |
| Other ... ..   | ...  |
| <i>Underground Bakehouses (s. 101)—</i>  |  |
| Certificates granted during 1909 ... ..  | ...  |
| In use at end of 1909 ... ..   | 33   |
| Workshops on the Register (s. 131) at the end of 1909 ... ..   | 693  |
| Workshop Bakehouses ... ..   | 81   |
| <b>Total number of Workshops on Register</b> ... ..  | <b>774</b>   |

TABLE X.—FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES, AND HOMEWORK (continued).  
Home Work.

| NATURE OF WORK.                    | OUTWORKERS' LISTS, SECTION 107. |               |           |                           |               |           |                               |                               |   |  |                        | Inspections of Outworkers' premises. | OUTWORK IN UNWHOLESOME PREMISES, SECTION 108. |                 |                | OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110. |                      |                                    |
|------------------------------------|---------------------------------|---------------|-----------|---------------------------|---------------|-----------|-------------------------------|-------------------------------|---|--|------------------------|--------------------------------------|---|-----------------|----------------|--|----------------------|------------------------------------|
|                                    | Lists received from Employers.  |               |           |                           |               |           | Addresses of Outworkers.      |                               | Notices served on Occupiers as to keeping or sending lists. | Prosecutions.                                  |                        |                                      | In-stances.                                   | Notices served. | Prosecu-tions. | In-stances.                                      | Order made (S. 110). | Prosecu-tions (Sections 109, 110). |
|                                    | Sending twice in the year.      |               |           | Sending once in the year. |               |           | Received from other Councils. | For-warded to other Councils. |   | Failing to keep or permit inspection of lists. | Failing to send lists. |                                      |   |                 |                |  |                      |                                    |
|                                    | Outworkers.                     |               |           | Outworkers.               |               |           |                               |                               |   |  |                        |                                      |   |                 |                |  |                      |                                    |
|                                    | Lists.                          | Con-tractors. | Work-men. | Lists.                    | Con-tractors. | Work-men. |                               |                               |   |  |                        |                                      |   |                 |                |  |                      |                                    |
| (1)                                | (2)                             | (3)           | (4)       | (5)                       | (6)           | (7)       | (8)                           | (9)                           | (10)  | (11)   | (12)                   | (13)                                 | (14)  | (15)            | (16)           | (17)   | (18)                 | (19)                               |
| Wearing Apparel :—                 |                                 |               |           |                           |               |           |                               |                               |   |  |                        |                                      |   |                 |                |  |                      |                                    |
| (1) Making, &c. ....               | 64                              | 12            | 481       | 4                         | ...           | 13        | 753                           | 261                           | ...   | ...  | ...                    | 1,088                                | 108   | 108             | ...            | ...  | ...                  | ...                                |
| (2) Cleaning and Washing ...       | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Lace, Lace Curtains and Nets ...   | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Artificial Flowers ...             | ...                             | ...           | ...       | ...                       | ...           | ...       | 5                             | ...                           | ...   | ...  | ...                    | 5                                    | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Nets, other than Wire Nets ...     | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Tents ...                          | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Sacks ...                          | 12                              | ...           | 318       | ...                       | ...           | ...       | ...                           | 60                            | ...   | ...  | ...                    | 258                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Furniture and Upholstery ...       | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Fur Pulling ...                    | 2                               | ...           | 2         | ...                       | ...           | ...       | 7                             | ...                           | ...   | ...  | ...                    | 9                                    | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Feather Sorting ...                | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Umbrellas, &c. ....                | 2                               | ...           | 3         | ...                       | ...           | ...       | 6                             | 1                             | ...   | ...  | ...                    | 8                                    | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Carding, &c., of Buttons, &c. .... | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Paper Bags and Boxes ...           | 6                               | ...           | 51        | 1                         | ...           | 3         | 19                            | 10                            | ...   | ...  | ...                    | 63                                   | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Basket Making ...                  | 2                               | ...           | 16        | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | 16                                   | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Brush Making ...                   | 2                               | ...           | 7         | ...                       | ...           | ...       | 40                            | 2                             | ...   | ...  | ...                    | 45                                   | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Racquet and Tennis Balls ...       | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Stuffed Toys ...                   | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| File Making ...                    | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Electro-plate ...                  | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Cables and Chains ...              | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Anchors and Grappels ...           | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Cart Gear ...                      | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Locks, Latches and Keys ...        | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Pea Picking ...                    | ...                             | ...           | ...       | ...                       | ...           | ...       | ...                           | ...                           | ...   | ...  | ...                    | ...                                  | ...   | ...             | ...            | ...  | ...                  | ...                                |
| Total ...                          | 90                              | 12            | 878       | 5                         | ...           | 16        | 830                           | 334                           | ...   | ...  | ...                    | 1,492                                | 108   | 108             | ...            | ...  | ...                  | ...                                |

TABLE XI.—WORKSHOPS.

| Trade.                               | Number of Workshops on Register. | Number of Workrooms. | Persons Employed. |          |                |
|--------------------------------------|----------------------------------|----------------------|-------------------|----------|----------------|
|                                      |                                  |                      | Males.            | Females. | Young Persons. |
| Boot Makers and Repairers ... ..     | 56                               | 56                   | 112               | ...      | ...            |
| Boat and Barge Builders ... ..       | 4                                | ...                  | 22                | ...      | ...            |
| Bottle Washers ... ..                | 3                                | 4                    | 14                | 7        | ...            |
| Builders ... ..                      | 13                               | ...                  | 54                | ...      | ...            |
| Buttonhole Makers... ..              | 2                                | 4                    | ...               | 12       | ...            |
| Basket Makers ... ..                 | 3                                | 3                    | 13                | ...      | ...            |
| Brushmakers ... ..                   | 17                               | 21                   | 28                | 10       | ...            |
| Blacksmiths... ..                    | 6                                | ...                  | 17                | ...      | ...            |
| Cabinet Makers ... ..                | 2                                | 2                    | 7                 | 1        | ...            |
| Carmen, Stables ... ..               | 40                               | ...                  | 152               | ...      | ...            |
| Carpenters ... ..                    | 4                                | 4                    | 9                 | ...      | ...            |
| Collar Workers ... ..                | 2                                | 4                    | ...               | 23       | ...            |
| Chair Makers ... ..                  | 3                                | 4                    | 5                 | 6        | ...            |
| Coopers ... ..                       | 17                               | ...                  | 81                | ...      | ...            |
| Cork Cutters ... ..                  | 3                                | 3                    | 6                 | ...      | ...            |
| Curriers ... ..                      | 6                                | 8                    | 17                | ...      | ...            |
| Cycle Makers ... ..                  | 5                                | 7                    | 7                 | ...      | 2              |
| Dressmakers, &c. ... ..              | 61                               | 70                   | 44                | 178      | 5              |
| Engineers and Smiths ... ..          | 6                                | 6                    | 12                | ...      | 2              |
| Farriers ... ..                      | 7                                | ...                  | 22                | ...      | 2              |
| Fish Curers ... ..                   | 1                                | 1                    | 20                | ...      | ...            |
| Hairdressers ... ..                  | 94                               | 94                   | 164               | 1        | 4              |
| Harness and Strap Makers, &c. ... .. | 9                                | 9                    | 23                | ...      | 2              |
| Hop Warehouses ... ..                | 19                               | ...                  | 101               | ...      | ...            |
| Laundries ... ..                     | 40                               | 69                   | 5                 | 209      | ...            |
| Leather Work ... ..                  | 37                               | 27                   | 275               | 34       | ...            |
| Paper Bag Makers ... ..              | 1                                | 1                    | ...               | ...      | 4              |
| Picture Frame Makers ... ..          | 4                                | 10                   | 33                | 50       | ...            |
| Rag Sorters ... ..                   | 3                                | 3                    | 7                 | 5        | ...            |
| Sack Makers ... ..                   | 8                                | 10                   | 17                | 22       | 2              |
| Slate and Stone Merchants ... ..     | 3                                | ...                  | 20                | ...      | ...            |
| Tobacco Pipe Makers ... ..           | 3                                | 5                    | 13                | 4        | ...            |
| Wheelwrights ... ..                  | 8                                | ...                  | 33                | ...      | ...            |
| Wood Choppers ... ..                 | 22                               | ...                  | 33                | 57       | 18             |
| Various ... ..                       | 181                              | 177                  | 968               | 141      | 65             |
| Totals ... ..                        | 693                              | 602                  | 2,334             | 760      | 106            |

TABLE XII.—SANITARY WORK, 1910.

|   | Mr.<br>Grice. | Mr.<br>Cartledge. | Mr.<br>Wood. | Mr.<br>Merryman. | Mr.<br>Toogood. | Mr.<br>Freeman. | Mr.<br>Bartlett. | Mr.<br>Townsend. | Mr.<br>Cockburn. |       |
|---|---------------|-------------------|--------------|------------------|-----------------|-----------------|------------------|------------------|------------------|-------|
| Houses or parts of houses cleansed or repaired ... ..   | 164           | 119               | 105          | 269              | 344             | 275             | 113              | 256              | 250              | 1,895 |
| W.C. accommodation provided or reconstructed ... ..   | 2             | 1                 | 5            | 5                | ...             | 10              | 2                | 151              | 102              | 278   |
| W.C.s repaired, ventilated, and whitewashed ... ..  | 79            | 45                | 15           | 122              | 50              | 33              | 32               | 51               | 37               | 464   |
| Closets panned and trapped, or old pans cleansed or new ones fixed ... ..   | 6             | 4                 | 7            | 49               | 37              | 18              | 8                | 157              | 103              | 389   |
| Closets supplied with water, or defective water supplies remedied ... ..  | 36            | 10                | 2            | 27               | 108             | 26              | 14               | 77               | 20               | 320   |
| Defective drains reconstructed, repaired, ventilated, and trapped ... ..  | 27            | 7                 | 9            | 87               | 34              | 87              | 27               | 173              | 110              | 561   |
| Stopped drains and w.c.s cleared ... ..   | 30            | 15                | 10           | 41               | 75              | 23              | 18               | 18               | 15               | 245   |
| Yards and forecourts paved or paving repaired ... ..  | 138           | 88                | 6            | 102              | 55              | 74              | 117              | 64               | 65               | 709   |
| Houses supplied with water ... ..   | 2             | ...               | ...          | 42               | 15              | 2               | ...              | 11               | 5                | 77    |
| Defective roofs repaired ... ..   | 78            | 49                | 11           | 106              | 121             | 179             | 42               | 108              | 60               | 754   |
| Defective rainshoots and gutters repaired, unstopped, or disconnected from drain ... ..                               | 107           | 20                | 8            | 138              | 82              | 124             | 35               | 61               | 32               | 607   |
| Offensive accumulations removed ... ..  | 20            | 5                 | 1            | 13               | 10              | 7               | ...              | 2                | 8                | 66    |
| Defective water apparatus in w.c.s repaired ... ..  | 19            | 40                | 13           | 51               | ...             | 97              | 7                | ...              | 19               | 246   |
| Animals kept so as to be a nuisance removed ... ..  | 2             | 5                 | 1            | 5                | ...             | 4               | 1                | 1                | 5                | 24    |
| Urinals cleansed, supplied with water and doors ... ..  | 7             | 1                 | ...          | ...              | 17              | 9               | 1                | 5                | 7                | 47    |
| Stables and other premises drained and paved ... ..   | 4             | 4                 | ...          | 2                | 1               | 1               | 4                | 5                | 9                | 30    |
| Waste-water pipes disconnected from drains and made to discharge in the open air, and new waste pipes provided ... .. | 1             | 3                 | 8            | 76               | 5               | 11              | 7                | 23               | 14               | 147   |
| Providing means of ventilation beneath ground floor ... ..  | 5             | ...               | ...          | 2                | ...             | ...             | ...              | 14               | 12               | 33    |
| Dung receptacles provided or repaired ... ..  | 1             | ...               | ...          | ...              | ...             | 3               | 1                | 1                | 3                | 9     |
| Accumulations of manure removed ... ..  | ...           | 1                 | ...          | 1                | 2               | 2               | 2                | 7                | 7                | 22    |
| Separating w.c. and domestic water supplies ... ..  | ...           | ...               | ...          | ...              | ...             | ...             | ...              | ...              | ...              | ...   |
| Effective means taken to prevent dampness ... ..  | 8             | 5                 | 3            | 14               | 4               | 71              | 9                | 95               | 15               | 224   |
| Yards cleansed ... ..   | 50            | 42                | ...          | 8                | 13              | 12              | 1                | 2                | 8                | 136   |
| Means of ventilation provided, or improvement in ventilation made ... ..  | 7             | ...               | ...          | 7                | 10              | ...             | ...              | 9                | 4                | 37    |
| Cisterns cleansed or covers provided ... ..   | 10            | ...               | ...          | 1                | 6               | 1               | 2                | 4                | 1                | 25    |
| Cowsheds cleansed ... ..  | ...           | ...               | ...          | ...              | ...             | 1               | ...              | ...              | 2                | 3     |
| Miscellaneous ... ..  | 161           | 25                | 4            | 243              | 93              | 145             | 11               | 187              | 30               | 899   |
| Drains tested ... ..  | 109           | 24                | 15           | 133              | 60              | 233             | 67               | 375              | 264              | 1,280 |
| Rooms disinfected ... ..  | 1,633         |                   |              |                  |                 |                 |                  |                  |                  |       |
| Articles disinfected ... ..   | 13,445        |                   |              |                  |                 |                 |                  |                  |                  |       |
| Houses disinfected to satisfaction of medical attendant ... ..  | 5             |                   |              |                  |                 |                 |                  |                  |                  |       |
| Inquests ... ..   |               |                   |              |                  |                 |                 |                  |                  |                  | 166   |
| Post-mortem examinations ... ..   |               |                   |              |                  |                 |                 |                  |                  |                  | 141   |
| Bodies removed to mortuary ... ..   |               |                   |              |                  |                 |                 |                  |                  |                  | 216   |

NOTE.—Mr. Cartledge left the Council's service on June 30th.  
Mr. Wood entered the Council's service on October 24th.

TABLE XIII.—FOOD AND DRUGS.

| Articles submitted for Analysis. | Total Samples taken. | Number Genuine. | Number Adulterated. | Percentage of Articles Adulterated. |
|----------------------------------|----------------------|-----------------|---------------------|-------------------------------------|
| Milk ... ..                      | 751                  | 677             | 74                  | 9.8                                 |
| Butter ... ..                    | 238                  | 214             | 24                  | 10.0                                |
| Cocoa ... ..                     | 32                   | 23              | 9                   | 28.1                                |
| Pepper ... ..                    | 18                   | 18              | ...                 | ...                                 |
| Mustard ... ..                   | 17                   | 17              | ...                 | ...                                 |
| Separated Milk ... ..            | 14                   | 12              | 2                   | 14.3                                |
| Rice ... ..                      | 9                    | 9               | ...                 | ...                                 |
| White Pepper ... ..              | 7                    | 7               | ...                 | ...                                 |
| Coffee ... ..                    | 7                    | 7               | ...                 | ...                                 |
| Skim Milk ... ..                 | 6                    | 6               | ...                 | ...                                 |
| Olive Oil ... ..                 | 5                    | 5               | ...                 | ...                                 |
| Lard ... ..                      | 5                    | 5               | ...                 | ...                                 |
| Raspberry Jam ... ..             | 4                    | 4               | ...                 | ...                                 |
| Cod Liver Oil ... ..             | 4                    | 4               | ...                 | ...                                 |
| Glycerine ... ..                 | 4                    | 4               | ...                 | ...                                 |
| Margarine ... ..                 | 3                    | 2               | 1                   | 33.3                                |
| Arrowroot ... ..                 | 3                    | 3               | ...                 | ...                                 |
| Camphorated Oil ... ..           | 3                    | 3               | ...                 | ...                                 |
| Tapioca ... ..                   | 2                    | 2               | ...                 | ...                                 |
| Ice Cream ... ..                 | 2                    | 2               | ...                 | ...                                 |
| Ground Rice ... ..               | 2                    | 2               | ...                 | ...                                 |
| Malt Vinegar ... ..              | 2                    | 1               | 1                   | 50.0                                |
| Eucalyptus Oil ... ..            | 2                    | 2               | ...                 | ...                                 |
| Cheese ... ..                    | 2                    | 2               | ...                 | ...                                 |
| Lime Juice Cordial ... ..        | 2                    | 2               | ...                 | ...                                 |
| Beef Dripping ... ..             | 2                    | 2               | ...                 | ...                                 |
| Pasteurized Skim Milk ... ..     | 1                    | 1               | ...                 | ...                                 |
| Olives ... ..                    | 1                    | 1               | ...                 | ...                                 |
| Gorgonzola Cheese ... ..         | 1                    | 1               | ...                 | ...                                 |
| Ginger Root ... ..               | 1                    | 1               | ...                 | ...                                 |
| Crushed Linseed ... ..           | 1                    | 1               | ...                 | ...                                 |
| Kola ... ..                      | 1                    | 1               | ...                 | ...                                 |
| Beef Sausages ... ..             | 1                    | ...             | 1                   | 100.0                               |
| Honey ... ..                     | 1                    | 1               | ...                 | ...                                 |
| Green Ginger Wine ... ..         | 1                    | 1               | ...                 | ...                                 |
| Hop Ale ... ..                   | 1                    | 1               | ...                 | ...                                 |
| Ground Ginger ... ..             | 1                    | 1               | ...                 | ...                                 |
| Sarsaparilla Wine ... ..         | 1                    | 1               | ...                 | ...                                 |
| Lemon Squash ... ..              | 1                    | 1               | ...                 | ...                                 |
| Orange Quinine Wine ... ..       | 1                    | 1               | ...                 | ...                                 |
| Cream ... ..                     | 1                    | 1               | ...                 | ...                                 |
| Castor Oil ... ..                | 1                    | 1               | ...                 | ...                                 |
| Oil of Camphor ... ..            | 1                    | 1               | ...                 | ...                                 |
| Fine Oatmeal ... ..              | 1                    | ...             | 1                   | 100.0                               |
| Tincture of Iodine ... ..        | 1                    | 1               | ...                 | ...                                 |
| Sterilized Milk ... ..           | 1                    | 1               | ...                 | ...                                 |
| Pure Cocoa Essence ... ..        | 1                    | 1               | ...                 | ...                                 |
| Mincemeat ... ..                 | 1                    | 1               | ...                 | ...                                 |
| Dark Cheese ... ..               | 1                    | 1               | ...                 | ...                                 |
| Sausage Meat ... ..              | 1                    | 1               | ...                 | ...                                 |
| Raisin Wine ... ..               | 1                    | 1               | ...                 | ...                                 |
| Orange Wine ... ..               | 1                    | 1               | ...                 | ...                                 |
| Totals ... ..                    | 1,172                | 1,059           | 113                 | 9.6                                 |

TABLE XIV.—PROSECUTIONS IN CONNECTION WITH SAMPLES TAKEN DURING 1910.

| No.             | Sample.            | Adulteration or Infringement.                                     | Result.  |
|-----------------|--------------------|---|--|
| FIRST QUARTER.  |                    |   |  |
| 391s            | Milk ...           | Added water 4.5 per cent. ...                                     | Dismissed. Warranty proved   |
| 395s            | Milk ...           | Added water 4.9 per cent. ...                                     | Fine 20/-; costs 15/-  |
| 483H            | Milk ...           | Added water 8 per cent. ...                                       | Fine 40/-; costs 15/-  |
| 486H            | Milk ...           | Added water 4 per cent. ...                                       | Fined the costs 17/- Warranty unsuccessful.  |
| 510H            | Margarine ...      | Wrapper not marked ...  | Fine 5/-; costs 15/-   |
| 542H            | Milk ...           | Added water 3.5 per cent. ...                                     | Fine 40/-; costs 27/6  |
| 566H            | Milk ...           | Added water 3.3 per cent. ...                                     | Fined the costs 15/-   |
| 575H            | Milk ...           | Added water 3.6 per cent. ...                                     | Dismissed. Warranty proved   |
| 581H            | Milk ...           | Added water 14 per cent. ...                                      | Dismissed. Warranty proved   |
| 588H            | Milk ...           | Deficient in milk fat 5.3 per cent.                               | Dismissed. Warranty proved   |
| 593H            | Butter ...         | Contained 47.6 per cent. of fats other than butter fat            | Fine £5; costs 21/-  |
| 594H            | Margarine ...      | Contained more than 10 per cent. of butter fat                    | Fine 20/-; costs 17/-  |
| 605H            | Milk ...           | Added water 2.8 per cent. ...                                     | Fined the costs 17/- Warranty unsuccessful   |
| 607H            | Milk ...           | Added water 2.7 per cent. ...                                     | Fine 20/-; costs 17/-  |
| 425s            | Milk ...           | Added water 2.92 per cent. ...                                    | Dismissed. Warranty proved   |
| 426s            | Milk ...           | Added water 7.00 per cent. ...                                    | Fine 10/-; costs 17/- Warranty unsuccessful  |
| 432s            | Milk ...           | Added water 6.61 per cent. ...                                    | Fine £3; costs 17/- Warranty unsuccessful  |
| 438s            | Milk ...           | Added water 3.9 per cent. and deficient in milk fat 5.3 per cent. | Dismissed. Warranty proved   |
| 439s            | Milk ...           | Added water 2.06 per cent. ...                                    | Fined the costs 17/- Warranty unsuccessful   |
| 451s            | Milk ...           | Added water 2.25 per cent. ...                                    | Fine 10/-; costs 17/-  |
| 455s            | Milk ...           | Added water 3.2 per cent. ...                                     | Dismissed. Warranty proved   |
| 460s            | Milk ...           | Added water 4.35 per cent. ...                                    | Fine 20/-; costs 17/- Warranty unsuccessful  |
| 462s            | Milk ...           | Added water 3.50 per cent. ...                                    | Dismissed. Warranty proved   |
| 485s            | Milk ...           | Added water 2.06 per cent. ...                                    | Dismissed. Warranty proved   |
| 489s            | Milk ...           | Deficient in fat 7 per cent. ...                                  | Fined the costs 15/-   |
| SECOND QUARTER. |                    |   |  |
| 4s              | Milk ...           | Added water 2.86 per cent. ...                                    | Dismissed. Warranty proved   |
| 6H              | Milk ...           | Deficient in milk fat 42 per cent.                                | Fine £5; costs 23/- Warranty unsuccessful  |
| 14H             | Milk ...           | Added water 7.74 per cent. ...                                    | Dismissed. Warranty proved   |
| 14s             | Milk ...           | Deficient in milk fat 27 per cent.                                | Dismissed. Warranty proved   |
| 17s             | Milk ...           | Added water 2.31 per cent. ...                                    | Dismissed. Warranty proved   |
| 20s             | Milk ...           | Deficient in milk fat 11 per cent.                                | Dismissed. Warranty proved   |
| 31s             | Butter ...         | Margarine 100 per cent. ...                                       | Fine 40/-; costs 27/-  |
|                 |                    | Bulk not marked ...   | Withdrawn  |
|                 |                    | Wrapper not marked ...  | Withdrawn  |
| 29H             | Milk ...           | Added water 3.81 per cent. ...                                    | Dismissed. Warranty proved   |
| 38H             | Butter ...         | Margarine 100 per cent. ...                                       | Fine 10/-; costs 17/-  |
|                 |                    | Wrapper not marked ...  | Withdrawn  |
| 43H             | Milk ...           | Added water 6.27 per cent. ...                                    | Dismissed. Warranty proved   |
| 49s             | Milk ...           | Added water 3.77 per cent. ...                                    | Dismissed. Warranty proved   |
| 50H             | Milk ...           | Deficient in milk fat 17 per cent. ...                            | Dismissed. Warranty proved   |
| 60H             | Malt Vinegar ...   | Artificial vinegar 93 per cent. ...                               | Fine 10/-; costs 17/-  |
| 63H             | Margarine ...      | Wrapper not marked ...  | Fine 10/-; costs 15/-  |
| 92H             | Milk ...           | Deficient in milk fat 9 per cent. ...                             | Fine 40/-; costs 15/-  |
| 96H             | Milk ...           | Added water 4.03 per cent. ...                                    | Dismissed. Defendant proved the milk was sold in same state as received from the cow |
| 97H             | Milk ...           | Deficient in milk fat 19 per cent.                                | Fine 20/-; costs 17/-  |
| 124s            | Separated Milk ... | Added water 15.5 per cent. ...                                    | Fine 20/-; costs 17/-  |
| 131H            | Milk ...           | Deficient in milk fat 16 per cent.                                | Dismissed. Warranty proved   |
| 145H            | Milk ...           | Added water 3.96 per cent. ...                                    | Dismissed. Warranty proved   |
| 149H            | Milk ...           | Deficient in milk fat 12 per cent.                                | Fined the costs 12/-   |
| 156H            | Butter ...         | Margarine 100 per cent. ...                                       | Fine 40/-; costs 17/-  |
|                 |                    | Wrapper not marked ...  | Withdrawn  |
| THIRD QUARTER.  |                    |   |  |
| 152s            | Milk ...           | Deficient in milk fat 7.7 per cent.                               | Dismissed. Warranty proved   |
| 182H            | Cocoa ...          | Contained 48 per cent. of added shell                             | Fine 5/-; costs 17/-   |
| 283H            | Butter ...         | Margarine 100 per cent. ...                                       | Fine 40/-; costs 17/-  |
|                 |                    | Wrapper not marked ...  | Withdrawn  |
| 272H            | Milk ...           | Deficient in milk fat 7.7 per cent.                               | Fine 20/-; costs 15/-  |
| 275H            | Cocoa ...          | Contained 18 per cent. of added shell                             | Fined the costs 15/-   |

TABLE XIV.—PROSECUTIONS IN CONNECTION WITH SAMPLES TAKEN DURING 1910—*continued*.

| No.             | Sample.           | Adulteration or Infringement.                                     | Result.                                   |
|-----------------|-------------------|---|---|
| 245s            | Milk ... ..       | Added water 4·86 per cent. ...                                    | Dismissed. Warranty proved                |
| 251s            | Butter ... ..     | Margarine 100 per cent. ...                                       | Fine 20/-; costs 17/-                     |
|                 |                   | Wrapper not marked ...  | Withdrawn                                 |
| 283s            | Milk ... ..       | Added water 7 per cent. ...                                       | Fine 20/-; costs 17/-                     |
| FOURTH QUARTER. |                   |   |   |
| 349H            | Cocoa ... ..      | Contained 15 per cent. of added shell                             | Fine 20/-; costs 15/-                     |
| 355H            | Milk ... ..       | Deficient in milk fat 7·3 per cent.                               | Fine £5; costs 24/- Warranty unsuccessful |
| 359H            | Cocoa ... ..      | Contained 16 per cent. of added shell                             | Dismissed. Warranty proved                |
| 382H            | Milk ... ..       | Added water 7·1 per cent. ...                                     | Fine £12; costs £2 2/-                    |
| 389H            | Milk ... ..       | Added water 2·8 per cent. and deficient in milk fat 4·7 per cent. | Dismissed. Warranty proved                |
| 373s            | Butter ... ..     | Margarine 100 per cent. ...                                       | Fine £3; costs 17/-                       |
|                 |                   | Wrapper not marked ...  | Withdrawn                                 |
| 413H            | Butter, Fresh ... | Margarine 100 per cent. ...                                       | Fine 40/-; costs 17/-                     |
|                 |                   | Wrapper not marked ...  | Withdrawn                                 |
| 414s            | Butter ... ..     | Margarine 100 per cent. ...                                       | Fine £5; costs 17/-                       |
|                 |                   | Wrapper not marked ...  | Withdrawn                                 |

| SUMMARY. |     |     |     | £   | s. | d. |
|----------|-----|-----|-----|-----|----|----|
| Fines    | ... | ... | ... | 70  | 8  | 0  |
| Costs    | ... | ... | ... | 28  | 15 | 6  |
| Total    | ... | ... | ... | £99 | 3  | 6  |

The following report was made to the Public Health Committee on March 8th, 1910, and a circular letter addressed to the traders in the Borough as recommended:—

*“Faced” Rice.*

I received two samples of rice known in the trade as Patna and Bassein respectively, imported from abroad, with the request that I should express an opinion as to whether the fact of the rice being polished by means of talc was “according to the rules of the Food and Drugs Act.” I had them analysed as informal samples and found that the Patna rice contained 1·22 per cent. and the Bassein 1·4 per cent. of foreign extraneous mineral matter in the form of talc.

It seems there is a demand on the part of the public for a highly polished rice, the consequence being that the appearance of the more expensive class of rice is being improved by subjecting them to the polishing process by means of talc. This has been going on to such an extent that the Local Government Board made a special investigation into the matter, and the report of their inspector, Dr. Hamill, was issued two or three months ago. In this the writer comes to the conclusion that “an outside limit of not more than 0·5 per cent. of mineral matter would seem amply to meet the requirements of the traders who represent this practice as necessary,” and incidentally suggests that prosecutions be instituted where this amount is exceeded.

To my mind it seems an objectionable and unnecessary practice, especially as it only affects the article in the raw state, for when cooked the rice, whether polished or not, appears the same.

The following reply was sent to the sender of the samples:—

FEBRUARY 11TH, 1910.

GENTLEMEN,—POLISHED RICES.—In reply to your letter of the 4th instant, accompanying two samples of rice cleaned and dressed abroad (viz., Patna and Bassein), I beg to say that there is no definition of rice under the Sale of Food and Drugs Acts, and that any action that might be taken would be ordinarily under Section 6 of the Sale of Food and Drugs Act, 1875, where it would be proved that the rice is not of the nature and substance of the article demanded by the purchaser.

Since this is so one cannot speak of any quantity of talc being allowed, and the seller must therefore take the risk of being prosecuted in case the rice is found mixed with this mineral.

Personally on general principles I do not approve of the adulteration with talc, but I am given to understand that the polishing of the rice in this manner facilitates its sale, and provided there is only a trace left in the article at the outside, 0·5 per cent., I would not be prepared on my present knowledge to recommend prosecution.

I have had both these samples analysed, and I find that the Bassein contains 1·04 per cent. and the Patna 1·22 per cent. talc, both of which you see are much above the

suggested limit of 0.5 per cent. I should therefore recommend you make sure that no imported rice contains above this limit, as proceedings will probably be taken for samples showing an excess.—Yours faithfully,  
R. K. BROWN.

I recommend that a circular letter be addressed to the traders in the Borough, stating that prosecutions will be instituted if rice is found on analysis to contain extraneous mineral matter to the extent of more than 0.5 per cent.

The cost of the analysis has been refunded by the firm in question.

The following is a copy of the report made to the Public Health Committee on October 11th :

*Storage of Bread.*

In accordance with the instructions of the Committee, all the shops which sell bread, exclusive of bakers, have been specially visited and examined. There are 308 of these in the Borough, 304 of which are reported to be in a clean or fairly clean condition, and 4 dirty. The shops which sell bread are mostly small general shops which deal in groceries, general provisions, milk, ice creams, &c. Of these 308, 101 sell oil, 262 candles, 265 soap, and 194 brawn, &c. Although oil is not always kept in a separate room, there is always an endeavour on the part of the shopkeeper to keep it away from bread and in juxtaposition to the candles and soap. In no case did the bread seem to be exposed to any sort of contamination which would be injurious or dangerous to health. The only articles sold in the shops which would be likely to give a taste to the bread are the oil, soap and candles, and this is only likely to happen if the shopkeeper handles the bread with dirty hands. I do not consider contamination of this description would be dangerous to health, and the purchasers have the remedy in such cases in their own hands; besides, every shopkeeper had a separate knife for cutting bread.

The following is the report I made to the Committee on this subject in 1903 :—

"I beg to say that I have visited 30 small shops in the poorest parts of the Borough where bread is sold, and beyond such general regulations as to cleanliness of making and storing which should apply to all articles of food, do not see any necessity for special regulations as to the sale of bread analogous to those for milk, as suggested by the writer of the letter.

"Bread, from its mode of manufacture and nature, cannot be compared with milk as regards its tendency to absorb noxious matters from its surroundings. It is thoroughly sterilized during the manufacture, and when baked becomes comparatively dry. The longer it is kept the drier it becomes, and at no time is the dampness sufficient to permit it absorbing noxious micro-organisms. The worst keeping can do is to render it hard and unpalatable. It is kept in dairies and small general shops, where oil is often sold, but I have not in any case seen it kept in greengrocers or in juxtaposition to old clothes or marine stores, or pure and simple oil shops.

"Of all foods, bread, after thorough baking, is probably the least liable to absorb noxious effluvia, and I did not see it stored in any shop in a position likely to specially expose it to such absorption. The only way it might convey disease is by being handled by a person suffering from some infectious complaint, and this applies to all articles, whether food or not. I am not aware of a single instance of infectious disease being conveyed by the food in question, and considering the amount of bread consumed, some case would surely have been discovered had such taken place."

I see no reason to alter my opinion in the matter, and can only state that there are other articles of food sold in these shops which, in my opinion, are much more liable to become contaminated than bread.

As regards the changing of bread, this is never done in general shops, since they only buy bread in very small quantities as required. In many cases the bread is bought from meal to meal. There is no doubt there is a danger to public health in the changing of stale bread, and such a custom should be made illegal.

Coming to the allegations referred to in the letter of the Local Government Board dated July 5th, my replies which are embodied in the above report are briefly :—I have no evidence of infection being carried through the selling of bread in chandlers' shops or in insanitary or disease-infected premises. My own opinion is that disease is seldom or never conveyed in this way, and one is hardly justified on *a priori* grounds in accusing bread of being a common medium for the conveyance of disease when there are so many more obvious channels of infection known to us. The custom of exchanging bread, I am informed, has been largely, if not altogether, done away with, and if it is done anywhere at present, it is by a few bakers, and not by keepers of small general shops.

Under these circumstances I cannot recommend any action being taken in the matter beyond regular inspection and attention to such cleanliness as is required where any food is sold, and taking steps to prevent the exchanging of stale loaves.

TABLE XV.—LIST OF BAKEHOUSES IN THE BOROUGH.

| Address.                               | Situation of<br>Bakehouse. | Address.                             | Situation of<br>Bakehouse. |
|--|----------------------------|--------------------------------------|----------------------------|
| 49, Abbey Street ... ..                | Underground                | 333, Old Kent Road ... ..            | Above ground               |
| 157, " ... ..                          | "                          | 91, " ... ..                         | "                          |
| 2, Alscot Road ... ..                  | "                          | 7, Paradise Street ... ..            | Underground                |
| 186, Abbey Street ... ..               | Above ground               | 246, Rotherhithe New Road ... ..     | "                          |
| 66, Abbeyfield Road ... ..             | "                          | 365, " ... ..                        | "                          |
| 218, Bermondsey Street ... ..          | Underground                | 173, " ... ..                        | "                          |
| 88, Bermondsey Wall ... ..             | "                          | 25, Parkers Row ... ..               | Above ground               |
| 92, Bermondsey Street ... ..           | Above ground               | 49, " ... ..                         | "                          |
| 111, " ... ..                          | "                          | 25, Paradise Street ... ..           | "                          |
| 31, Charlotte Street (not in use)      | "                          | 3, Plough Road ... ..                | "                          |
| 48, Cherry Garden Street ... ..        | "                          | 1, Roseberry Street ... ..           | "                          |
| 62, Chilton Street (not in use) ... .. | "                          | 79, Rouel Road ... ..                | "                          |
| 31, Crimscoth Street (not in use)      | "                          | 270, Rotherhithe Street ... ..       | "                          |
| 145, Drummond Road ... ..              | Underground                | 34, Rotherhithe New Road ... ..      | "                          |
| 51, Dockhead ... ..                    | Above ground               | 574, Rotherhithe Street (not in use) | "                          |
| 27, Derrick Street ... ..              | "                          | 39, St. James' Road ... ..           | Underground                |
| *30-36, Denman Street ... ..           | "                          | 239, Southwark Park Road ... ..      | "                          |
| 51, Esmeralda Road ... ..              | "                          | 351, " ... ..                        | "                          |
| 49, Frean Street ... ..                | "                          | 479, " ... ..                        | "                          |
| 77, Grange Road ... ..                 | Underground                | 49, Southwark Park Road ... ..       | Above ground               |
| 31, George Row ... ..                  | "                          | 119, " ... ..                        | "                          |
| 68, Galleywall Road ... ..             | "                          | 158, " ... ..                        | "                          |
| 33, Grange Road (not in use) ... ..    | Above ground               | 198, " ... ..                        | "                          |
| 125, " ... ..                          | "                          | 319, " ... ..                        | "                          |
| 1A, Hlderton Road ... ..               | Underground                | 355, " ... ..                        | "                          |
| 16, " ... ..                           | "                          | 92, Snowfields ... ..                | "                          |
| 170, Jamaica Road ... ..               | "                          | 92, Spa Road ... ..                  | "                          |
| 53, " ... ..                           | "                          | 104, " (not in use) ... ..           | "                          |
| 140, " ... ..                          | "                          | 61, Salisbury Street ... ..          | "                          |
| 75, " ... ..                           | Above ground               | 5, St. Marychurch Street ... ..      | "                          |
| 203, " ... ..                          | "                          | 96, Tooley Street ... ..             | Underground                |
| 227, " ... ..                          | "                          | 157, " ... ..                        | "                          |
| 29, Kipling Street ... ..              | "                          | 167, " ... ..                        | "                          |
| 82, Keetons Road ... ..                | Underground                | 95, Tower Bridge Road ... ..         | "                          |
| 142, Long Lane ... ..                  | "                          | 43, Tanner Street ... ..             | Above ground               |
| 2, Lucey Road ... ..                   | "                          | 144, " ... ..                        | "                          |
| 97, Lynton Road ... ..                 | "                          | 245, Tooley Street ... ..            | "                          |
| 132, Lower Road ... ..                 | "                          | 53, Tower Bridge Road ... ..         | "                          |
| 93B, " ... ..                          | "                          | 26, " ... ..                         | "                          |
| 184, Long Lane ... ..                  | Above ground               | 65, " ... ..                         | "                          |
| 49, Lucey Road ... ..                  | "                          | 22, The Grange ... ..                | "                          |
| 160, Lower Road ... ..                 | "                          | 106, Union Road (not in use) ... ..  | "                          |
| 182, " ... ..                          | "                          | 22, " ... ..                         | "                          |
| 204, " ... ..                          | "                          | 94, " (not in use) ... ..            | "                          |
| 47, Maltby Street ... ..               | Underground                | 62, Weston Street ... ..             | "                          |
| 17, Neckinger Street (not in use)      | Above ground               |                                      |                            |

\* Factory Bakehouse.

|  |   |
|--|---|
| <p>1. The first part of the report deals with the general situation of the country and the progress of the work during the year.</p> | <p>2. The second part of the report deals with the results of the work during the year.</p> |
| <p>3. The third part of the report deals with the financial statement of the year.</p>   | <p>4. The fourth part of the report deals with the conclusions of the year.</p>             |
| <p>5. The fifth part of the report deals with the recommendations of the year.</p>   | <p>6. The sixth part of the report deals with the summary of the year.</p>                  |
| <p>7. The seventh part of the report deals with the appendix of the year.</p>  | <p>8. The eighth part of the report deals with the index of the year.</p>                   |
| <p>9. The ninth part of the report deals with the bibliography of the year.</p>  | <p>10. The tenth part of the report deals with the conclusion of the year.</p>              |
| <p>11. The eleventh part of the report deals with the appendix of the year.</p>  | <p>12. The twelfth part of the report deals with the index of the year.</p>                 |
| <p>13. The thirteenth part of the report deals with the bibliography of the year.</p>  | <p>14. The fourteenth part of the report deals with the conclusion of the year.</p>         |
| <p>15. The fifteenth part of the report deals with the appendix of the year.</p>   | <p>16. The sixteenth part of the report deals with the index of the year.</p>               |
| <p>17. The seventeenth part of the report deals with the bibliography of the year.</p>   | <p>18. The eighteenth part of the report deals with the conclusion of the year.</p>         |
| <p>19. The nineteenth part of the report deals with the appendix of the year.</p>  | <p>20. The twentieth part of the report deals with the index of the year.</p>               |
| <p>21. The twentieth part of the report deals with the index of the year.</p>  | <p>22. The twenty-first part of the report deals with the conclusion of the year.</p>       |
| <p>23. The twenty-first part of the report deals with the conclusion of the year.</p>  | <p>24. The twenty-second part of the report deals with the appendix of the year.</p>        |
| <p>25. The twenty-second part of the report deals with the appendix of the year.</p>   | <p>26. The twenty-third part of the report deals with the index of the year.</p>            |
| <p>27. The twenty-third part of the report deals with the index of the year.</p>   | <p>28. The twenty-fourth part of the report deals with the conclusion of the year.</p>      |
| <p>29. The twenty-fourth part of the report deals with the conclusion of the year.</p>   | <p>30. The twenty-fifth part of the report deals with the appendix of the year.</p>         |
| <p>31. The twenty-fifth part of the report deals with the appendix of the year.</p>  | <p>32. The twenty-sixth part of the report deals with the index of the year.</p>            |
| <p>33. The twenty-sixth part of the report deals with the index of the year.</p>   | <p>34. The twenty-seventh part of the report deals with the conclusion of the year.</p>     |
| <p>35. The twenty-seventh part of the report deals with the conclusion of the year.</p>  | <p>36. The twenty-eighth part of the report deals with the appendix of the year.</p>        |
| <p>37. The twenty-eighth part of the report deals with the appendix of the year.</p>   | <p>38. The twenty-ninth part of the report deals with the index of the year.</p>            |
| <p>39. The twenty-ninth part of the report deals with the index of the year.</p>   | <p>40. The thirtieth part of the report deals with the conclusion of the year.</p>          |
| <p>41. The thirtieth part of the report deals with the conclusion of the year.</p>   | <p>42. The thirty-first part of the report deals with the appendix of the year.</p>         |
| <p>43. The thirty-first part of the report deals with the appendix of the year.</p>  | <p>44. The thirty-second part of the report deals with the index of the year.</p>           |
| <p>45. The thirty-second part of the report deals with the index of the year.</p>  | <p>46. The thirty-third part of the report deals with the conclusion of the year.</p>       |
| <p>47. The thirty-third part of the report deals with the conclusion of the year.</p>  | <p>48. The thirty-fourth part of the report deals with the appendix of the year.</p>        |
| <p>49. The thirty-fourth part of the report deals with the appendix of the year.</p>   | <p>50. The thirty-fifth part of the report deals with the index of the year.</p>            |
| <p>51. The thirty-fifth part of the report deals with the index of the year.</p>   | <p>52. The thirty-sixth part of the report deals with the conclusion of the year.</p>       |
| <p>53. The thirty-sixth part of the report deals with the conclusion of the year.</p>  | <p>54. The thirty-seventh part of the report deals with the appendix of the year.</p>       |
| <p>55. The thirty-seventh part of the report deals with the appendix of the year.</p>  | <p>56. The thirty-eighth part of the report deals with the index of the year.</p>           |
| <p>57. The thirty-eighth part of the report deals with the index of the year.</p>  | <p>58. The thirty-ninth part of the report deals with the conclusion of the year.</p>       |
| <p>59. The thirty-ninth part of the report deals with the conclusion of the year.</p>  | <p>60. The fortieth part of the report deals with the appendix of the year.</p>             |
| <p>61. The fortieth part of the report deals with the appendix of the year.</p>  | <p>62. The forty-first part of the report deals with the index of the year.</p>             |



