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**COUNTY BOROUGH OF SMETHWICK.**

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# **ANNUAL REPORT**

**FOR THE YEAR 1908,**

**OF THE**

**Medical Officer of Health,**

**WM. F. MARSH JACKSON,**

**M.R.C.S., ENG., L.R.C.P., AND L.M., EDIN.,**

**MEDICAL OFFICER OF HEALTH FOR THE BOROUGH,**

**Fellow of the Incorporated Society of Medical Officers of Health,**

**AND**

**Past President of the Midland Branch of the Incorporated Society of  
Medical Officers of Health.**

**SMETHWICK :**

**PRESS OF W. J. DUROSE, HIGH STREET.**

**1909.**



# COUNTY BOROUGH OF SMETHWICK.

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## *Health Committee :*

### *Chairman :*

ALDERMAN BOWDEN.

|                |  |                  |
|----------------|--|------------------|
| ALDERMAN ADAMS |  | COUNCILLOR EVANS |
| „ SUMMERTON    |  | „ HOMES          |
| „ MOTTERAM     |  | „ POLLARD        |

COUNCILLOR STEPHEN.

## *Smethwick and Oldbury Joint Hospital Committee :*

### *Chairman :*

ALDERMAN BOWDEN.

|                |  |                    |
|----------------|--|--------------------|
| ALDERMAN ADAMS |  | ALDERMAN SUMMERTON |
| „ MOTTERAM     |  | COUNCILLOR POLLARD |

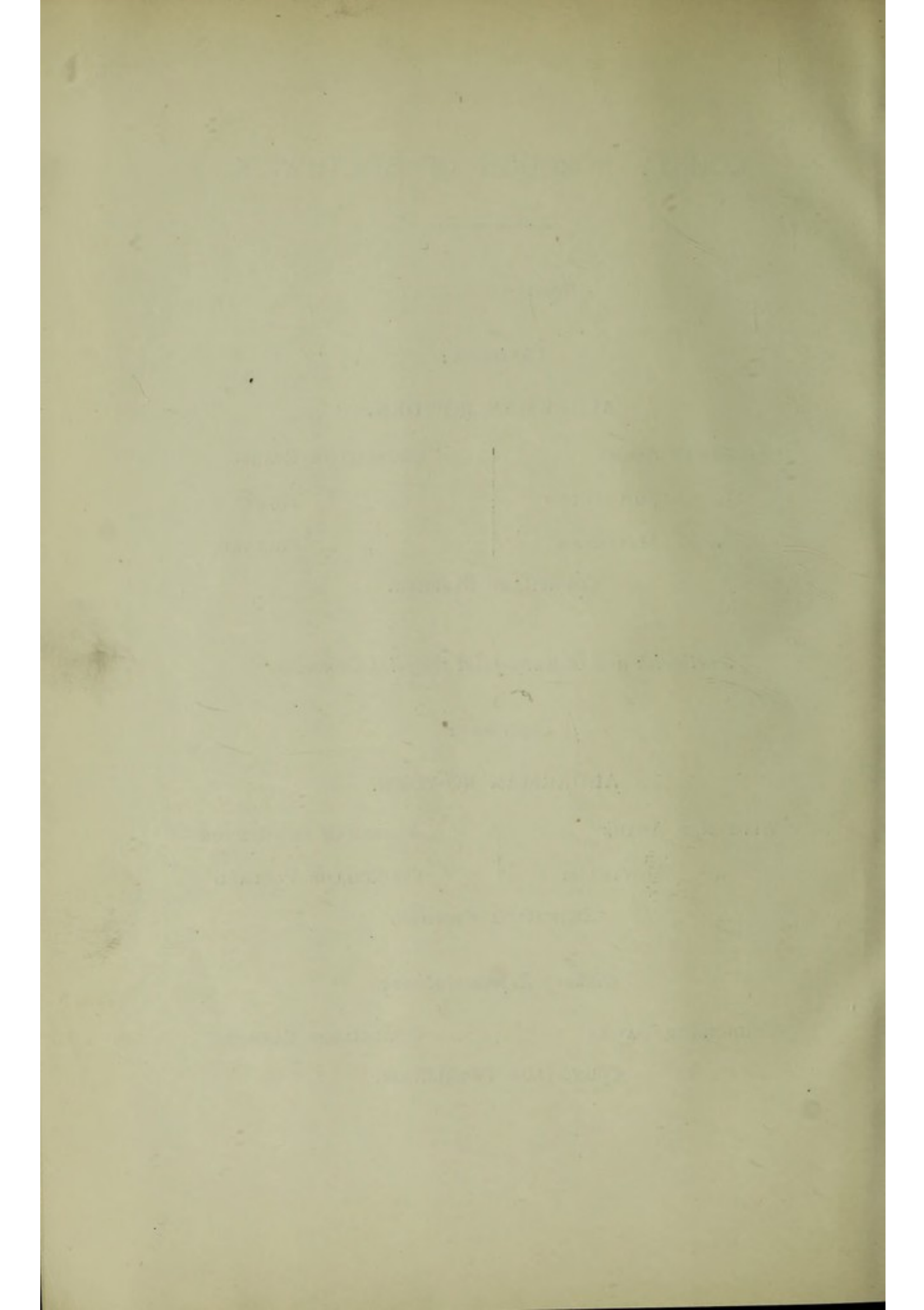
COUNCILLOR STEPHEN.

## *Oldbury Representatives :*

|                   |  |                   |
|-------------------|--|-------------------|
| COUNCILLOR DAVIES |  | COUNCILLOR PARKES |
|-------------------|--|-------------------|

COUNCILLOR THOMLINSON.





COUNTY BOROUGH OF SMETHWICK.

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TWENTY-FIRST ANNUAL REPORT  
OF THE MEDICAL OFFICER OF HEALTH.

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TO THE MAYOR AND CORPORATION OF THE BOROUGH.

GENTLEMEN,

In presenting you with this my TWENTY-FIRST ANNUAL REPORT I wish to record my grateful appreciation of your kind consideration during my illness.

The year has been signalised by a prolonged and extensive epidemic of Scarlet Fever and a recurrence of Influenza, apart from these, however, the health of the population has been fairly satisfactory, the several rates with exception of those relating to Scarlet Fever compare favourably with those of former years. It is especially gratifying to note the partial recovery of the birth-rate, *while* the infantile death-rate though higher than that of last year is considering all things a fairly average one.

Two new duties have engaged my attention—the Notification of Births' Act, 1907, and the Medical Inspection of school children. The former is referred to in the body of the report, the latter forms the subject of a special report prepared in accordance with the requirements of the Board of Education, which will be submitted to you and forwarded with this report to the Authorities.

In addition to my ordinary work my responsibilities in connection with the Hospital have occasioned me much anxious labour. I have to thank the Health and Hospital Committees for the support they have severally accorded me.

I am, Gentlemen,

Your obedient servant,

WM. F. MARSH JACKSON.

SMETHWICK, MARCH, 1909.

## TABLE OF CONTENTS.

|                                                                 |                |
|-----------------------------------------------------------------|----------------|
| <i>Situation</i> ... ..                                         | 7              |
| <i>Vital Statistics</i> ... ..                                  | 7—16           |
| <i>Phthisis</i> ... ..                                          | 17             |
| <i>Respiratory Diseases</i> ... ..                              | 18             |
| <i>Cancer</i> ... ..                                            | 18             |
| <i>Infectious Diseases.</i> —Notifiable ... ..                  | 19—31          |
| <i>Smethwick and Oldbury Joint Isolation Hospital</i> ... ..    | 32—34          |
| <i>Steps taken for Prevention of Infectious Diseases</i> ... .. | 34—35          |
| <i>Infectious Diseases</i> —Not Notifiable ... ..               | 35—36          |
| <i>Inquests</i> ... ..                                          | 36             |
| <i>Public Baths</i> ... ..                                      | 37             |
| <i>Water Supply</i> ... ..                                      | 37             |
| <i>Slaughter Houses</i> ... ..                                  | 38             |
| <i>Dairies, Cow Sheds, &amp;c.</i> ... ..                       | 38             |
| <i>Routine Sanitary Work</i> ... ..                             | 38—40          |
| <i>Midwives' Act</i> ... ..                                     | 40—41          |
| <i>The Notification of Births' Act</i> ... ..                   | 41—42          |
| <i>Sanitary Work and Improvements</i> ... ..                    | 42—44          |
| <i>Factory and Workshop Act</i> ... ..                          | 45             |
| <i>Sanitary Inspector's Report on Canal Boats' Act</i> ... ..   | 46—47          |
| <i>Health Visitor's Report</i> ... ..                           | 48—49          |
| <i>Street List—Fever, etc.</i> ... ..                           | 50—55          |
| <i>Sanitary Inspector's Abstract</i> ... ..                     | [END OF BOOK]. |
| <i>Local Government Board</i> ... ..                            | [END OF BOOK]. |
| <i>Spot Disease Map</i> ... ..                                  | [END OF BOOK]. |



## Annual Report for the Year 1908.

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### SITUATION.

The Borough of Smethwick constitutes the extreme southern portion of the district which is known as South Staffordshire. It is bounded on the north by the County Borough of West Bromwich, on the east by the Urban District of Handsworth, on the south by the City of Birmingham, and on the west by the Urban District of Oldbury and the Township of Warley. It is closely in contact with a more or less dense population on certain of its confines, especially on its north-eastern boundary, where it is contiguous to Handsworth and Birmingham, as well as on its south-western boundary, where it adjoins Birmingham. Towards the south and south-west it adjoins a large and extensive tract of open country. Its surface is undulating, its elevation ranging from 426 to 606 feet above the sea level, its mean elevation being 550 feet. It extends from north to south three miles, and from east to west, on its widest portion, about two miles. The geological formation is gravel beds on the red sandstone. Coal measures exist, and are worked on its north-eastern border, and in the western portion there is less gravel, and porous red sand prevails.

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### VITAL STATISTICS.

At the beginning of 1908 I estimated the population would be at the middle of the year 69,500, being an increase of 2,500 over the estimate for 1907, and on this figure the several rates have been calculated. This estimate was practically in agreement with that formed by the Registrar General, and the information furnished by the Assistant Overseer.

During the year the houses certified for completion were 422. The number of houses on the rate book, at present in force, is 14,839, an increase over 1907 of 477.

The area of the borough is 1,929 acres, and the average population density is 27·6 per acre. The rateable value of the property assessed for the poor, October, 1908, is £270,641 12s. 6d., and the rateable value of the property assessed for the General District Rate, October, 1908, is £258,802 0s. 5d.

The following table shows the distribution of the population in the various wards, together with the number of houses in each ward, extracted from the rate book in force October, 1908, by the Assistant Overseer:—

| Ward.     |     | Number<br>of Houses. | Number<br>Void. | Number<br>Occupied. | Estimated<br>Population. |
|-----------|-----|----------------------|-----------------|---------------------|--------------------------|
| Spon Lane | ... | 2,380                | 147             | 2,233               | 11,165                   |
| Sandwell  | ... | 2,136                | 177             | 1,959               | 9,795                    |
| Uplands   | ... | 1,240                | 90              | 1,150               | 5,750                    |
| Bearwood  | ... | 4,639                | 318             | 4,321               | 21,605                   |
| Victoria  | ... | 2,299                | 92              | 2,207               | 11,035                   |
| Soho      | ... | 2,145                | 130             | 2,015               | 10,075                   |
|           |     | <hr/>                | <hr/>           | <hr/>               | <hr/>                    |
|           |     | 14,839               | 954             | 13,885              | 69,425                   |

Bearwood, Uplands, and a considerable part of Spon Lane Wards are practically purely residential localities. The principal works are in Soho and Sandwell Wards, and a few are situate in Victoria Ward. There has been an increase in the number of houses in all the wards, but the main extensions have been in Bearwood and Spon Lane Wards.

With the consequent increase in the population density it is fortunate that the situation of the Borough and the provision of open spaces and public parks is so satisfactory.



The Registrar General has published the following figures relating to the Vital Statistics of 1908:—

| ANNUAL RATES PER 1,000 LIVING. |         |                            |                                                     | INFANT MORTALITY<br>ANNUAL DEATH-RATE<br>OF INFANTS UNDER<br>1 YEAR<br>PER 1,000 BIRTHS. |
|--------------------------------|---------|----------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------|
|                                | BIRTHS. | DEATHS FROM<br>ALL CAUSES. | DEATHS FROM<br>SEVEN CHIEF<br>EPIDEMIC<br>DISEASES. |                                                                                          |
| England and Wales ...          | 26·5    | 14·7                       | 1·29                                                | 121                                                                                      |
| 76 Great Towns ...             | 27·0    | 15·8                       | 1·59                                                | 128                                                                                      |
| 142 Smaller Towns ...          | 26·0    | 14·7                       | 1·26                                                | 124                                                                                      |
| SMETHWICK ...                  | 30·0    | 14·5                       | 1·87                                                | 135                                                                                      |

For the sake of comparison I have added the rates of Smethwick, calculated on the population as estimated by me at the middle of the year.

#### MARRIAGES.

The number of marriages that have taken place during the year is 491. The marriage-rate for this year is 14·1 per 1,000 persons living per annum, against 14·4, 15·5, 14·9, 11·08, 14·8, and 12·1 for the 6 previous years.

#### BIRTHS.

During the year the births of 2,088 children were registered. The greatest number of births was registered in the month of September, and the lowest in February.

The birth-rate for the year is 30·0 per 1,000 persons living per annum.

#### DEATHS.

The deaths registered in Smethwick, by the local Registrar, during the year number 820, equal to a death-rate of 11·79 per 1,000 persons living per annum. To this however, have to be added



deaths of Smethwick persons occurring outside the borough, namely, 49 in public institutions in Birmingham, that is hospitals, and 66 in Kings Norton Union Workhouse; making a total of 935. From this 4 deaths of Oldbury persons, dying in the hospital, have to be deducted, making 931 the total number of deaths to be attributed to Smethwick.

Last year the deaths registered in Smethwick numbered 793, 39 in public institutions in Birmingham, and 60 in Kings Norton Union Workhouse, total 892.

In 1906 the deaths registered in Smethwick numbered 853, 49 in public institutions in Birmingham, 49 in Kings Norton Union Workhouse, total 951.

In 1905 the deaths registered in Smethwick numbered 772, in public institutions in Birmingham 34, Kings Norton Union Workhouse 38, Erdington Workhouse 1, total 865.

In 1904 the deaths registered in Smethwick numbered 719, in public institutions in Birmingham 39, Kings Norton Union Workhouse 52, total 810.

The corrected death-rate for the year under notice is 14·5 per 1,000 persons living per annum, against 14·34 in 1907, 14·6 1906, 15·0 in 1905, 13·2 in 1904, 14·1 in 1903, 13·8 in 1902, 14·9 in 1901, 15·6 in 1900.

The illegitimate births numbered 41.

There were registered 7 uncertified deaths, and 14 deaths under 1 year of age of illegitimate children.

The tables illustrating this section of my report are here reproduced, and the information required to be furnished to the Local Government Board, will be found at the end of the report,

TABLE—SHOWING THE NUMBER OF BIRTHS AND DEATHS REGISTERED DURING EACH OF THE FOUR QUARTERS OF  
THE YEAR 1908, WITH THE RESPECTIVE RATES.

| BIRTHS REGISTERED.   | MALES. | FEMALES. | TOTALS. | BIRTH-RATE<br>PER 1,000<br>LIVING. | DEATHS REGISTERED.   | MALES. | FEMALES. | TOTALS. | DEATH-RATE<br>PER 1,000<br>LIVING. |
|----------------------|--------|----------|---------|------------------------------------|----------------------|--------|----------|---------|------------------------------------|
| First Quarter ... .. | 261    | 244      | 505     | 29·03                              | First Quarter ... .. | 136    | 130      | 266     | 15·2                               |
| Second „ ... ..      | 257    | 281      | 538     | 30·9                               | Second „ ... ..      | 118    | 103      | 221     | 12·7                               |
| Third „ ... ..       | 296    | 253      | 549     | 31·6                               | Third „ ... ..       | 115    | 95       | 210     | 12·04                              |
| Fourth „ ... ..      | 233    | 263      | 496     | 28·5                               | Fourth „ ... ..      | 127    | 107      | 234     | 13·4                               |
| TOTAL ...            | 1047   | 1041     | 2088    |                                    | TOTAL ...            | 496    | 435      | 931     |                                    |

TABLE—SHOWING THE NUMBER OF BIRTHS  
 WITH THE RESPECTIVE RATES

| BIRTHS REGISTERED | MALES | FEMALES | TOTAL |
|-------------------|-------|---------|-------|
| First Quarter     | 261   | 244     | 505   |
| Second " " " "    | 257   | 281     | 538   |
| Third " " " "     | 299   | 258     | 557   |
| Fourth " " " "    | 288   | 268     | 556   |
| TOTAL             | 1045  | 1041    | 2086  |



MORTALITY IN THE WARDS OF THE BOROUGH, 1908.  
CALCULATED APPROXIMATELY ON THE LAST OBTAINABLE POPULATION FIGURES.

| WARDS.        | Jan. | Feb. | Mar. | April | May. | June. | July. | Aug. | Sep. | Oct. | Nov. | Dec. | TOTALS. | DEATH RATES. |
|---------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|---------|--------------|
| SPON LANE ... | 14   | 19   | 17   | 11    | 8    | 15    | 11    | 11   | 12   | 9    | 12   | 11   | 150     | 18·4         |
| SANDWELL ...  | 10   | 18   | 20   | 19    | 14   | 16    | 8     | 14   | 20   | 12   | 18   | 17   | 186     | 18·8         |
| UPLANDS ..    | 7    | 14   | 6    | 9     | 3    | 7     | 4     | 5    | 5    | 1    | 8    | 7    | 76      | 18·2         |
| BEARWOOD ...  | 15   | 20   | 23   | 19    | 9    | 14    | 10    | 14   | 18   | 23   | 17   | 20   | 202     | 9·03         |
| VICTORIA ...  | 11   | 11   | 19   | 16    | 9    | 13    | 18    | 12   | 14   | 11   | 13   | 7    | 154     | 13·09        |
| SOHO ...      | 13   | 13   | 16   | 14    | 13   | 12    | 8     | 14   | 12   | 15   | 14   | 19   | 163     | 16·1         |
| TOTAL ...     | 70   | 95   | 101  | 88    | 56   | 77    | 59    | 70   | 81   | 71   | 82   | 80   | 931     |              |



# NYTHIATIONS OF THE BOROUGH

OTITAUPOD 31NANVA CALCUWATREDA PHPOXIMA

| Wards              | Jan. | Feb. | Mar. | April |
|--------------------|------|------|------|-------|
| SPONGE LAKE 21 ... | 114  | 113  | 117  | 111   |
| SANDWELL 02 ...    | 110  | 118  | 130  | 119   |
| UPLANDS 5 ..       | 117  | 114  | 116  | 113   |
| BEARWOOD 81 ...    | 115  | 120  | 123  | 119   |
| VICTORIA 41 ...    | 111  | 111  | 119  | 116   |
| SOHO 11 ...        | 113  | 113  | 112  | 114   |
| TOTAL ...          | 110  | 112  | 111  | 113   |

BIRTH AND DEATH STATISTICS FOR THE PAST  
TWENTY-SEVEN YEARS.

| YEAR. | ESTIM'TD<br>POPULA-<br>TION. | BIRTHS. | BIRTH-<br>RATE. | DEATHS. | DEATH-<br>RATE. |
|-------|------------------------------|---------|-----------------|---------|-----------------|
| *1881 | *25,076                      | ...     | ...             | ...     | ...             |
| 1882  | 25,922                       | 1083    | 41·9            | 384     | 14·8            |
| 1883  | 26,768                       | 1130    | 42·1            | 462     | 17·2            |
| 1884  | 27,614                       | 1195    | 43·2            | 498     | 18·0            |
| 1885  | 28,460                       | 1151    | 40·6            | 455     | 16·0            |
| 1886  | 29,306                       | 1174    | 40·0            | 512     | 17·5            |
| 1887  | 30,152                       | 1126    | 37·4            | 509     | 16·8            |
| 1888  | 31,000                       | 1172    | 37·8            | 533     | 17·1            |
| 1889  | 32,500                       | 1202    | 36·9            | 590     | 18·1            |
| 1890  | 34,300                       | 1281    | 37·3            | 591     | 17·2            |
| *1891 | *36,170                      | 1423    | 38·3            | 699     | 18·8            |
| 1892  | 37,500                       | 1323    | 35·2            | 615     | 16·4            |
| 1893  | 38,500                       | 1446    | 37·5            | 676     | 17·5            |
| 1894  | 39,500                       | 1396    | 35·3            | 611     | 15·2            |
| 1895  | 41,000                       | 1503    | 36·6            | 592     | 14·4            |
| 1896  | 43,000                       | 1546    | 35·9            | 723     | 16·8            |
| 1897  | 45,000                       | 1657    | 36·7            | 756     | 16·8            |
| 1898  | 50,000                       | 1724    | 34·4            | 742     | 14·8            |
| 1899  | 51,500                       | 1856    | 36·03           | 780     | 15·1            |
| 1900  | 55,700                       | 1859    | 33·3            | 872     | 15·6            |
| *1901 | *54,560                      | 1895    | 34·7            | 815     | 14·9            |
| 1902  | 55,700                       | 1974    | 35·44           | 773     | 13·8            |
| 1903  | 58,000                       | 1980    | 34·1            | 819     | 14·1            |
| 1904  | 61,000                       | 1956    | 32·06           | 810     | 13·2            |
| 1905  | 63,000                       | 1910    | 30·3            | 865     | 15·0            |
| 1906  | 65,000                       | 2027    | 31·2            | 951     | 14·6            |
| 1907  | 67,000                       | 1973    | 29·4            | 892     | 14·34           |
| 1908  | 69,500                       | 2088    | 30·0            | 931     | 14·5            |

\*Census Years.

TABLE B.  
BIRTHS AND DEATHS IN 1908.

| 1908  | BIRTHS. |      |       | DEATHS. |     |       |
|-------|---------|------|-------|---------|-----|-------|
| M'NTH | M.      | F.   | Total | M.      | F.  | Total |
| JAN.  | 83      | 86   | 169   | 34      | 36  | 70    |
| FEB.  | 73      | 73   | 146   | 43      | 52  | 95    |
| MAR.  | 105     | 85   | 190   | 59      | 42  | 101   |
| APR.  | 70      | 85   | 155   | 46      | 42  | 88    |
| MAY   | 88      | 82   | 170   | 30      | 26  | 56    |
| JUNE  | 99      | 114  | 213   | 42      | 35  | 77    |
| JULY  | 92      | 75   | 167   | 35      | 24  | 59    |
| AUG.  | 86      | 73   | 159   | 34      | 36  | 70    |
| SEP.  | 118     | 105  | 223   | 46      | 35  | 81    |
| OCT.  | 92      | 86   | 178   | 48      | 23  | 71    |
| NOV.  | 73      | 89   | 162   | 41      | 41  | 82    |
| DEC.  | 68      | 88   | 156   | 38      | 43  | 81    |
| TOTAL | 1047    | 1041 | 2088  | 496     | 435 | 931   |



## EPITOME OF MORTALITY IN 1908.

| DIED.                      | M.  | F.  | TOTAL. |
|----------------------------|-----|-----|--------|
| Under 1 year               | 162 | 122 | 284    |
| 1 year and under 5 years   | 64  | 54  | 118    |
| Total under 5 ...          | 226 | 176 | 402    |
| 5 years and under 15 years | 24  | 25  | 49     |
| 15 „ „ 25 „                | 19  | 19  | 38     |
| 25 „ „ 65 „                | 139 | 123 | 262    |
| 65 years and upwards       | 85  | 95  | 180    |
| Total over 5 ...           | 267 | 262 | 529    |
| Grand total ...            | 493 | 438 | 931    |

## INFANTILE MORTALITY.

The deaths of 284 children under one year of age, of whom 162 were males and 122 females, were registered.

The infantile death-rate is 135 per 1,000 births.

The average number of infantile deaths per month during the year was 23·6.

In 1907 the monthly average was 19·1, in 1906 it was 22, in 1905 it was 22·1, in 1904 it was 24·95, in 1903 it was 23·05, in 1902 it was 21, in 1901 it was 27, and in 1900 25·4.



The highest mortality in any month was in November, when 34 deaths were registered; the lowest in May, when 17 deaths were registered.

This year 45 deaths occurred from premature birth, against 40 in 1907, 48 in 1906, 64 in 1905, 47 in 1904, 43 in 1903, 47 in 1902, 42 in 1901, and 54 in 1900.

Seventeen inquests on infants were held this year, against 9 in 1907, 13 in 1906, 5 in 1905, 9 in 1904, 5 in 1903, 1 in 1902, 5 in 1901, 3 in 1900, and 14 in 1899.

The deaths amongst infants from Respiratory Diseases, *i.e.* Bronchitis and Pneumonia, number 49, against 63 in 1907, 42 in 1906, 38 in 1905, 59 in 1904, 49 in 1903, 50 in 1902, 33 in 1901, and 51 in 1900.

The deaths from Diarrhoea including Enteritis number 60, equal to a death-rate calculated on the births of 29.3

The infantile death-rate this year is not so satisfactory as that of last year, which was quite exceptional, and mainly attributable to the low mortality from diarrhoea, being the lowest on record for 20 years ending 1907.

The increased mortality from diarrhoea this year accounts for the higher death-rate, and this though regrettable is, as compared with recent years, not altogether unsatisfactory.

As I have mentioned in previous reports, the practice is continued of the furnishing by the registrar to parents on registering the birth of a child, of the leaflet you approved of respecting the feeding and care of infants, which has been much appreciated, additional copies being frequently asked for.

From the information furnished by means of the early notification of births, the health visitor has been enabled to follow up births with greater promptitude, and to give useful advice. Since this act came into operation the voluntary notification of births by the parish surgeon and the licensed midwives, which previously obtained, has been rendered unnecessary.

The health visitor has found, as reference to her report, which is appended, shows that by far the larger number of infants are breast fed during the first month.

# INFANTILE MORTALITY.

| DEATH-RATE<br>MONTHS. | DEATH-RATE<br>1892 | DEATH-RATE<br>1893 | DEATH-RATE<br>1894 | DEATH-RATE<br>1895 |
|-----------------------|--------------------|--------------------|--------------------|--------------------|
| 14.5-12               | 14.5               | 14.5               | 14.5               | 14.5               |
| 10.5-11               | 10.5               | 10.5               | 10.5               | 10.5               |
| 8.8-10                | 8.8                | 8.8                | 8.8                | 8.8                |
| 8.2-9                 | 8.2                | 8.2                | 8.2                | 8.2                |
| 7.0-8                 | 7.0                | 7.0                | 7.0                | 7.0                |
| 6.2-7                 | 6.2                | 6.2                | 6.2                | 6.2                |
| 5.2-6                 | 5.2                | 5.2                | 5.2                | 5.2                |
| 4.5-5                 | 4.5                | 4.5                | 4.5                | 4.5                |
| 3.7-4                 | 3.7                | 3.7                | 3.7                | 3.7                |
| 2.7-3                 | 2.7                | 2.7                | 2.7                | 2.7                |
| 1.8-2                 | 1.8                | 1.8                | 1.8                | 1.8                |
| 0.4-1                 | 0.4                | 0.4                | 0.4                | 0.4                |

INFANTILE MORTALITY.—A SUMMARY FOR SEVENTEEN YEARS.

| MONTHS. | DEATH-RATE<br>1892. | DEATH-RATE<br>1893. | DEATH-RATE<br>1894. | DEATH-RATE<br>1895. | DEATH-RATE<br>1896. | DEATH-RATE<br>1897. | DEATH-RATE<br>1898. | DEATH-RATE<br>1899. | DEATH-RATE<br>1900. | DEATH-RATE<br>1901. | DEATH-RATE<br>1902. | DEATH-RATE<br>1903. | DEATH-RATE<br>1904. | DEATH-RATE<br>1905. | DEATH-RATE<br>1906. | DEATH-RATE<br>1907. | DEATH-RATE<br>1908. |
|---------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 0—1     | 52.9                | 56.01               | 40.83               | 37.8                | 40.10               | 45.8                | 42.1                | 54.9                | 53.2                | 50.1                | 44.0                | 44.9                | 42.4                | 53.88               | 42.4                | 36.9                | 47.8                |
| 1—2     | 10.6                | 24.21               | 11.4                | 15.96               | 20.68               | 13.8                | 16.5                | 16.1                | 16.6                | 12.1                | 11.6                | 17.1                | 14.3                | 11.53               | 13.3                | 16.2                | 17.8                |
| 2—3     | 16.6                | 9.68                | 11.4                | 13.97               | 12.93               | 14.4                | 18.2                | 16.7                | 10.2                | 19.5                | 12.1                | 13.1                | 12.7                | 9.42                | 8.8                 | 13.6                | 11.01               |
| 3—4     | 13.8                | 14.52               | 12.89               | 13.97               | 15.32               | 20.5                | 14.2                | 17.7                | 15.5                | 16.3                | 9.1                 | 15.1                | 15.3                | 9.42                | 7.3                 | 6.5                 | 14.8                |
| 4—5     | 9.06                | 14.52               | 12.17               | 11.31               | 12.98               | 13.8                | 9.6                 | 15.6                | 10.7                | 13.1                | 10.1                | 10.1                | 12.2                | 3.14                | 7.8                 | 9.6                 | 9.5                 |
| 5—6     | 13.6                | 13.12               | 9.31                | 7.98                | 11.64               | 9.6                 | 8.5                 | 12.9                | 10.7                | 14.2                | 8.15                | 10.1                | 9.7                 | 8.37                | 9.6                 | 6.5                 | 6.7                 |
| 6—7     | 11.3                | 10.37               | 10.74               | 9.31                | 12.35               | 11.4                | 9.1                 | 12.3                | 7.5                 | 8.4                 | 8.15                | 8.0                 | 9.2                 | 8.37                | 7.4                 | 5.5                 | 5.2                 |
| 7—8     | 3.7                 | 7.60                | 10.74               | 6.65                | 7.76                | 7.8                 | 9.6                 | 10.2                | 11.2                | 5.8                 | 4.05                | 3.5                 | 5.1                 | 6.81                | 3.9                 | 5.06                | 4.3                 |
| 8—9     | 9.06                | 10.37               | 7.88                | 5.98                | 9.70                | 12.7                | 4.5                 | 2.6                 | 10.2                | 10.0                | 8.08                | 6.5                 | 7.1                 | 7.85                | 6.9                 | 5.06                | 7.6                 |
| 9—10    | 8.3                 | 4.84                | 6.44                | 9.31                | 9.05                | 4.2                 | 9.6                 | 8.6                 | 2.1                 | 7.3                 | 4.5                 | 5.0                 | 8.1                 | 10.47               | 5.4                 | 5.5                 | 3.3                 |
| 10—11   | 8.3                 | 8.22                | 9.31                | 5.31                | 9.05                | 9.6                 | 7.4                 | 5.3                 | 7.5                 | 5.2                 | 6.06                | 5.0                 | 3.0                 | 5.76                | 7.3                 | 4.1                 | 4.3                 |
| 11—12   | 7.2                 | 8.22                | 5.7                 | 3.99                | 3.88                | 4.8                 | 5.1                 | 5.3                 | 7.5                 | 7.9                 | 3.5                 | 2.5                 | 6.1                 | 4.19                | 7.3                 | 3.5                 | 3.3                 |



THE NUMBER OF BIRTHS, THE INFANTILE MORTALITY, AND THE  
 INFANTILE DEATH-RATES FOR THE PAST TWENTY-ONE YEARS,  
 WERE AS FOLLOWS :

| YEAR. | BIRTHS. | INFANTILE<br>DEATHS. | INFANTILE<br>DEATH-RATE. |
|-------|---------|----------------------|--------------------------|
| 1888  | 1172    | 180                  | 153·5                    |
| 1889  | 1202    | 200                  | 166 3                    |
| 1890  | 1281    | 220                  | 171·7                    |
| 1891  | 1423    | 210                  | 147·0                    |
| 1892  | 1328    | 221                  | 167·7                    |
| 1893  | 1446    | 259                  | 179·1                    |
| 1894  | 1396    | 208                  | 149·1                    |
| 1895  | 1503    | 213                  | 141·6                    |
| 1896  | 1546    | 260                  | 168·1                    |
| 1897  | 1657    | 280                  | 168·9                    |
| 1898  | 1724    | 273                  | 158                      |
| 1899  | 1856    | 332                  | 179                      |
| 1900  | 1859    | 304                  | 160                      |
| 1901  | 1895    | 323                  | 170                      |
| 1902  | 1974    | 252                  | 127                      |
| 1903  | 1980    | 280                  | 141·7                    |
| 1904  | 1956    | 285                  | 145·6                    |
| 1905  | 1910    | 266                  | 139                      |
| 1906  | 2027    | 264                  | 130                      |
| 1907  | 1973    | 232                  | 116                      |
| 1908  | 2088    | 284                  | 135                      |

## ZYMOTIC DEATHS.

The deaths from the seven principal Zymotic diseases numbered 128. The Zymotic death-rate for the year is 1·84 per 1,000 persons living per annum, against 1·43 in 1907, 2·21 in 1906, 1·7 in 1905, 1·24 in 1904, 1·2 in 1903, 1·4 in 1902, 1·76 in 1901, and 1·42 1900.

The mortality from these diseases at under and over five years of age, sexes being distinguished as follows :—

## ZYMOTIC DEATHS DURING 1908.

|                     | UNDER<br>FIVE YEARS. |     | OVER<br>FIVE YEARS. |     | TOTAL.         |
|---------------------|----------------------|-----|---------------------|-----|----------------|
|                     | M.                   | F.  | M.                  | F.  | BOTH<br>SEXES. |
| Small Pox ... ..    | ...                  | ... | ...                 | ... | ...            |
| Measles ... ..      | ...                  | 1   | ...                 | ... | 1              |
| Scarlet Fever... .. | 4                    | 6   | 2                   | 6   | 18             |
| Diphtheria ... ..   | ...                  | 3   | 3                   | ... | 6              |
| Whooping Cough ...  | 14                   | 11  | 1                   | 2   | 28             |
| Typhoid Fever ...   | ...                  | ... | ...                 | 4   | 4              |
| Diarrhœa ... ..     | 41                   | 30  | ...                 | ... | 71             |
| Totals ...          | 59                   | 51  | 6                   | 12  | 128            |

ZYMOTIC DEATHS AND DEATH-RATES FOR THE PAST TWENTY-ONE YEARS.

|                             | 1888    |             | 1889    |             | 1890    |             | 1891    |             | 1892    |             | 1893    |             | 1894    |             | 1895    |             | 1896    |             | 1897    |             | 1898    |             | 1899    |             | 1900    |             | 1901    |             | 1902    |             | 1903    |             | 1904    |             | 1905    |             | 1906    |             | 1907    |             | 1908    |             |     |     |
|-----------------------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----|-----|
|                             | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. | DEATHS. | DEATH RATE. |     |     |
| Small Pox ...               | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | 9       | 0.23        | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | 1       | 0.01        | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         |     |     |
| Measles ...                 | 14      | 0.45        | 24      | 0.73        | 9       | 0.26        | 19      | 0.51        | 18      | 0.48        | 3       | 0.07        | 15      | 0.38        | 6       | 0.12        | 42      | 0.97        | 30      | 0.41        | 7       | 0.14        | 7       | 0.13        | 16      | 0.29        | 4       | 0.07        | 19      | 0.34        | 6       | 0.10        | 1       | 0.016       | 42      | 0.66        | 17      | 0.26        | 28      | 0.41        | 1       | 0.014       |     |     |
| Scarlet Fever...            | 6       | 0.19        | 2       | 0.061       | 21      | 0.61        | 1       | 0.03        | 5       | 0.13        | 3       | 0.07        | 2       | 0.05        | 4       | 0.05        | 8       | 0.18        | 3       | 0.06        | 3       | 0.06        | 4       | 0.07        | 3       | 0.5         | 13      | 0.23        | 20      | 0.35        | 7       | 0.12        | 5       | 0.08        | 7       | 0.11        | 4       | 0.06        | 11      | 0.16        | 18      | 0.25        |     |     |
| Diphtheria ...              | 1       | 0.03        | 4       | 0.12        | 3       | 0.08        | 3       | 0.08        | 1       | 0.02        | 1       | 0.01        | 3       | 0.08        | 1       | 0.02        | 4       | 0.9         | 16      | 0.35        | 30      | 0.4         | 6       | 0.11        | 9       | 0.15        | 4       | 0.09        | 7       | 0.12        | 11      | 0.19        | 3       | 0.08        | 1       | 0.01        | 14      | 0.21        | 7       | 0.10        | 6       | 0.08        |     |     |
| Whooping Cough ...          | 14      | 0.45        | 16      | 0.49        | 2       | 0.06        | 14      | 0.37        | 13      | 0.34        | 8       | 0.20        | 11      | 0.28        | 4       | 0.05        | 12      | 0.28        | 1       | 0.02        | 9       | 0.18        | 4       | 0.07        | 8       | 0.14        | 21      | 0.38        | 13      | 0.23        | 16      | 0.27        | 11      | 0.18        | 29      | 0.46        | 30      | 0.45        | 15      | 0.22        | 28      | 0.40        |     |     |
| Typhoid Fever ...           | 5       | 0.16        | 3       | 0.092       | 5       | 0.14        | 5       | 0.13        | 4       | 0.10        | 9       | 0.23        | 6       | 0.15        | 2       | 0.04        | 9       | 0.20        | 6       | 0.12        | 11      | 0.2         | 7       | 0.13        | 8       | 0.12        | 12      | 0.22        | 13      | 0.23        | 9       | 0.15        | 7       | 0.11        | 6       | 0.09        | 8       | 0.12        | 5       | 0.07        | 4       | 0.05        |     |     |
| Doubtful Fever ...          | 1       | 0.03        | 1       | 0.03        | 1       | 0.03        | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         | ... |     |
| Diarrhoea ...               | 12      | 0.39        | 41      | 1.26        | 36      | 0.92        | 24      | 0.64        | 31      | 0.82        | 72      | 1.87        | 9       | 0.23        | 22      | 0.53        | 31      | 0.72        | 57      | 1.2         | 45      | 0.9         | 72      | 1.3         | 38      | 0.68        | 42      | 0.77        | 8       | 0.14        | 34      | 0.41        | 47      | 0.77        | 27      | 0.42        | 71      | 0.95        | 29      | 0.43        | 71      | 1.02        |     |     |
| Zymotic deaths ...          | 53      | ...         | 91      | ...         | 76      | ...         | 66      | ...         | 72      | ...         | 96      | ...         | 55      | ...         | 39      | ...         | 106     | ...         | 103     | ...         | 95      | ...         | 100     | ...         | 64      | ...         | 96      | ...         | 80      | ...         | 74      | ...         | 76      | ...         | 111     | ...         | 144     | ...         | 96      | ...         | 128     | ...         |     |     |
| All other deaths ...        | 480     | ...         | 499     | ...         | 518     | ...         | 633     | ...         | 543     | ...         | 650     | ...         | 556     | ...         | 553     | ...         | 617     | ...         | 653     | ...         | 647     | ...         | 680     | ...         | 808     | ...         | 719     | ...         | 690     | ...         | 745     | ...         | 734     | ...         | 734     | ...         | 807     | ...         | 796     | ...         | 803     | ...         |     |     |
| Total deaths per year ...   | 523     | ...         | 590     | ...         | 591     | ...         | 639     | ...         | 613     | ...         | 678     | ...         | 611     | ...         | 592     | ...         | 729     | ...         | 756     | ...         | 742     | ...         | 780     | ...         | 872     | ...         | 815     | ...         | 14.9    | ...         | 778     | ...         | 819     | ...         | 810     | ...         | 865     | ...         | 951     | ...         | 892     | ...         | 931 | ... |
| Zymotic death-rate ...      | ...     | 1.7         | ...     | 2.8         | ...     | 2.21        | ...     | 1.78        | ...     | 1.92        | ...     | 2.49        | ...     | 1.99        | ...     | 0.90        | ...     | 2.46        | ...     | 2.6         | ...     | 1.98        | ...     | 1.9         | ...     | 1.4         | ...     | 1.76        | ...     | 1.4         | ...     | 1.2         | ...     | 1.24        | ...     | 1.7         | ...     | 2.21        | ...     | 1.43        | ...     | 1.94        | ... |     |
| Other causes death-rate ... | ...     | 15.3        | ...     | 15.3        | ...     | 15.0        | ...     | 16.8        | ...     | 14.4        | ...     | 15.05       | ...     | 14.05       | ...     | 13.2        | ...     | 14.3        | ...     | 14.6        | ...     | 12.96       | ...     | 13.2        | ...     | 14.3        | ...     | 13.1        | ...     | 12.44       | ...     | 12.6        | ...     | 12.0        | ...     | 12.08       | ...     | 12.4        | ...     | 11.8        | ...     | 11.5        | ... |     |
| General death-rate ...      | ...     | 17.1        | ...     | 18.1        | ...     | 17.21       | ...     | 18.8        | ...     | 16.4        | ...     | 17.5        | ...     | 15.2        | ...     | 14.4        | ...     | 16.8        | ...     | 16.8        | ...     | 14.94       | ...     | 15.1        | ...     | 15.7        | ...     | 14.9        | ...     | 13.8        | ...     | 14.1        | ...     | 13.2        | ...     | 13.0        | ...     | 14.0        | ...     | 14.04       | ...     | 14.3        | ... |     |



|          | 1902   |      | 1903   |      | 1904   |      | 1905   |      | 1906   |      |
|----------|--------|------|--------|------|--------|------|--------|------|--------|------|
|          | DEATHS | RATE | DEATHS | RATE | DEATHS | RATE | DEATHS | RATE | DEATHS | RATE |
| Total    | 100    | 1.0  | 100    | 1.0  | 100    | 1.0  | 100    | 1.0  | 100    | 1.0  |
| White    | 85     | .85  | 85     | .85  | 85     | .85  | 85     | .85  | 85     | .85  |
| Colored  | 15     | 1.5  | 15     | 1.5  | 15     | 1.5  | 15     | 1.5  | 15     | 1.5  |
| Male     | 50     | .50  | 50     | .50  | 50     | .50  | 50     | .50  | 50     | .50  |
| Female   | 50     | .50  | 50     | .50  | 50     | .50  | 50     | .50  | 50     | .50  |
| Under 10 | 10     | 1.0  | 10     | 1.0  | 10     | 1.0  | 10     | 1.0  | 10     | 1.0  |
| 10-20    | 20     | 2.0  | 20     | 2.0  | 20     | 2.0  | 20     | 2.0  | 20     | 2.0  |
| 20-30    | 30     | 3.0  | 30     | 3.0  | 30     | 3.0  | 30     | 3.0  | 30     | 3.0  |
| 30-40    | 40     | 4.0  | 40     | 4.0  | 40     | 4.0  | 40     | 4.0  | 40     | 4.0  |
| 40-50    | 50     | 5.0  | 50     | 5.0  | 50     | 5.0  | 50     | 5.0  | 50     | 5.0  |
| 50-60    | 60     | 6.0  | 60     | 6.0  | 60     | 6.0  | 60     | 6.0  | 60     | 6.0  |
| 60-70    | 70     | 7.0  | 70     | 7.0  | 70     | 7.0  | 70     | 7.0  | 70     | 7.0  |
| 70-80    | 80     | 8.0  | 80     | 8.0  | 80     | 8.0  | 80     | 8.0  | 80     | 8.0  |
| 80-90    | 90     | 9.0  | 90     | 9.0  | 90     | 9.0  | 90     | 9.0  | 90     | 9.0  |
| 90-100   | 100    | 10.0 | 100    | 10.0 | 100    | 10.0 | 100    | 10.0 | 100    | 10.0 |

## PHTHISIS.

Sixty persons, four being under, and fifty-six over five years of age were registered as having died during the year from Phthisis.

The Phthisis death-rate for the year is 0·86 per 1000 persons living per annum, against 0·78 in 1907, 1·03 in 1906, 0·73 in 1905, 0·93 in 1904, 0·65 in 1903, 0·75 in 1902, 0·87 in 1901, 0·74 in 1900, and 0·81 in 1899.

Under the system of voluntary notification of Phthisis I have received four notifications. Bacteriological confirmation was obtained in each case. In all 56 bacteriological examinations were made at the University, 16 being positive and 40 negative.

The pamphlets issued by the National Society for the Prevention of Tuberculosis can be obtained at the office of the Sanitary Inspector.

After a death from Phthisis a letter signed by the Medical Officer of Health is forwarded to the head of the family, recommending the disinfection of the rooms occupied by the patient, and this disinfection has been carried out, and practically in almost every instance my recommendation has been complied with, not a single objection having been raised.

On Table III. at the end of my report the incidence in localities and the age period of the persons notified will be found.

It is regrettable that so little advantage has been taken by practitioners of the invitation extended to them by the Health Committee of supporting the system of voluntary notification of Phthisis, for which they have agreed to pay the usual notification fee. If these notifications were made it would enable steps to be taken to enquire into the sanitary condition of the houses and premises occupied by the patients and any observations and recommendations on the part of the doctors sent to me with regard to these cases and their domestic circumstances would be much appreciated and tend to the abatement of any nuisances that may exist.



## RESPIRATORY DISEASES.

During the year 184 persons have died from Bronchitis and Pneumonia, 83 at under and 101 at over five years of age.

4 deaths were registered from Pleurisy, 96 were due to Bronchitis, and 88 to Pneumonia.

The death-rate for Respiratory Diseases is 0·27 per 1,000 persons living per annum, against 3·1 in 1907, 2·7 in 1906, 2·7 in 1905, 2·67 in 1904, 3·1 in 1903, 2·9 in 1902, 2·5 in 1901, 3·3 in 1900, and 2·5 in 1899.

## CANCER.

Forty-nine deaths were registered from the several diseases grouped under this head.

The distribution in the Wards was as follows:—Spon Lane Ward, 10; Sandwell Ward, 12; Uplands Ward, 3; Bearwood Ward, 9; Victoria Ward, 9; Soho Ward, 6. Grouping these Wards as I have hitherto done, in accordance with the Staffordshire County Council Electoral Districts, the figures for the past twenty-one years are as follows:—

| NORTHERN.                     | SOUTHERN.                   | SOUTH-EASTERN.           |
|-------------------------------|-----------------------------|--------------------------|
| Spon Lane and Sandwell Wards. | Uplands and Bearwood Wards. | Victoria and Soho Wards. |
| 183                           | 175                         | 199                      |

The Cancer death-rate for the year is 0·70, against 0·85, 0·67, 0·60, 0·803, 0·77, 0·55, 0·62, 0·55, 0·46, and 0·52 in the ten previous years.



# NOTIFICATION YEARS.

| YEAR. | TOY  | SWIFT FEVER. | FEVER. | FEVER. |
|-------|------|--------------|--------|--------|
| 1898  | 819  | 819          | 8      | 10     |
| 1891  | 888  | 175          | 3      | 18     |
| 1893  | 378  | 217          | 1      | 21     |
| 1898  | 880  | 181          | ...    | 88     |
| 1894  | 888  | 184          | 3      | 27     |
| 1895  | 887  | 222          | 4      | 40     |
| 1896  | 492  | 332          | 3      | 70     |
| 1897  | 823  | 172          | ...    | 49     |
| 1898  | 882  | 177          | 5      | 67     |
| 1899  | 485  | 182          | 2      | 17     |
| 1900  | 812  | 125          | 8      | 55     |
| 1901  | 886  | 437          | 8      | 72     |
| 1902  | 122  | 684          | 3      | 42     |
| 1903  | 578  | 282          | 4      | 48     |
| 1904  | 308  | 105          | 2      | 38     |
| 1905  | 281  | 081          | 4      | 24     |
| 1906  | 2001 | 275          | 6      | 44     |
| 1907  | 621  | 481          | 4      | 78     |
| 1908  | 1918 | 819          | 8      | 24     |
| TOTAL | 8388 | 1885         | 22     | 829    |

NOTIFICATION RETURN FOR THE PAST NINETEEN YEARS.

| YEAR. | TOTAL<br>NOTIFICATIONS. | SMALL POX. | SCARLET FEVER. | DIPHTHERIA. | CROUP. | TYPHOID FEVER. | CONTINUED<br>FEVER. | PUERPERAL<br>FEVER. | ERYSIPELAS. |
|-------|-------------------------|------------|----------------|-------------|--------|----------------|---------------------|---------------------|-------------|
| 1890  | 429                     | ...        | 379            | 18          | 2      | 17             | ...                 | 3                   | 10          |
| 1891  | 258                     | ...        | 175            | 13          | ...    | 36             | 1                   | 2                   | 31          |
| 1892  | 276                     | ...        | 217            | 10          | 3      | 23             | 1                   | 1                   | 21          |
| 1893  | 360                     | 21         | 241            | 12          | 1      | 46             | ...                 | ...                 | 39          |
| 1894  | 333                     | 134        | 131            | 11          | 1      | 27             | ...                 | 2                   | 27          |
| 1895  | 337                     | 7          | 222            | 11          | 1      | 28             | ...                 | 4                   | 64          |
| 1896  | 402                     | ...        | 266            | 34          | 2      | 31             | ...                 | 2                   | 67          |
| 1897  | 322                     | ...        | 172            | 65          | 4      | 32             | ...                 | ...                 | 49          |
| 1898  | 362                     | ...        | 177            | 58          | 5      | 50             | ...                 | 5                   | 67          |
| 1899  | 465                     | ...        | 281            | 48          | 2      | 59             | 2                   | 2                   | 71          |
| 1900  | 318                     | ...        | 125            | 78          | 1      | 56             | ...                 | 3                   | 55          |
| 1901  | 636                     | ...        | 437            | 60          | 2      | 62             | ...                 | 3                   | 72          |
| 1902  | 735                     | 1          | 589            | 54          | ...    | 47             | ...                 | 2                   | 42          |
| 1903  | 578                     | 24         | 392            | 59          | 1      | 55             | ...                 | 4                   | 43          |
| 1904  | 295                     | 1          | 195            | 37          | 1      | 23             | ...                 | 2                   | 36          |
| 1905  | 281                     | ...        | 160            | 39          | ...    | 24             | ..                  | 4                   | 54          |
| 1906  | 500                     | ...        | 275            | 125         | 4      | 36             | ...                 | 6                   | 54          |
| 1907  | 662                     | ...        | 431            | 119         | 3      | 32             | ...                 | 4                   | 73          |
| 1908  | 819                     | ...        | 618            | 111         | 2      | 31             | ...                 | 3                   | 54          |
| TOTAL | 8368                    | 188        | 5483           | 962         | 35     | 715            | 4                   | 52                  | 929         |



SUB-MONTHLY RECORD CONTINUED

| 1907       | S. S. BOX |     |     |     | DIOGASILET<br>FEVER. |     |     |     | M. F. |     |
|------------|-----------|-----|-----|-----|----------------------|-----|-----|-----|-------|-----|
|            | F         | M   | M   | F   | F                    | M   | M   | F   | M     | F   |
| JANUARY... | 1         | ... | 4   | ... | 1                    | 17  | 1   | 48  | 6     | 4   |
| FEBRUARY   | 2         | ... | 2   | ... | 1                    | 24  | ... | 81  | 8     | 2   |
| MARCH      | 4         | ... | 1   | ... | 2                    | 89  | 8   | 26  | 7     | 4   |
| APRIL      | 2         | ... | 5   | ... | 1                    | 25  | 5   | 26  | 8     | 7   |
| MAY...     | 8         | ... | 2   | ... | ...                  | 23  | ... | 19  | 6     | 7   |
| JUNE       | 6         | ... | 1   | ... | 1                    | 18  | ... | 18  | 4     | 4   |
| JULY       | 4         | ... | 2   | ... | 2                    | 20  | ... | 84  | 6     | 9   |
| AUGUST     | 2         | ... | ... | ... | 2                    | 24  | 2   | 25  | 4     | 4   |
| SEPT.      | 2         | ... | 1   | ... | 1                    | 29  | 1   | 40  | 2     | 4   |
| OCTOBER... | 2         | ... | 2   | ... | 2                    | 14  | 1   | 88  | 1     | 2   |
| NOVEMBER   | 4         | ... | ... | ... | 1                    | 21  | ... | 26  | 1     | ..  |
| DECEMBER   | 1         | ... | 1   | ... | 1                    | 28  | 8   | 15  | 5     | 4   |
|            | 88        | 12  | ... | ... | 51                   | 27  | 18  | 841 | 57    | 54  |
| TOTAL      | ...       | 54  | ... | ... | 18                   | 618 | ... | ... | ...   | 111 |



MONTHLY RECORD OF NOTIFICATION OF INFECTIOUS DISEASES IN 1908.

| 1907.       | SMALL POX. |     | SCARLET FEVER. |     | DIPHTHERIA. |    | TYPHOID FEVER. |     | ERYSIPELAS. |    | MEMBRANOUS CROUP. |     | PUERPERAL FEVER. |     | TOTAL. |
|-------------|------------|-----|----------------|-----|-------------|----|----------------|-----|-------------|----|-------------------|-----|------------------|-----|--------|
|             | M.         | F.  | M.             | F.  | M.          | F. | M.             | F.  | M.          | F. | M.                | F.  | M.               | F.  |        |
| JANUARY ... | ...        | ... | 17             | 48  | 4           | 5  | 1              | 1   | 4           | 1  | ...               | ... | ...              | ... | 81     |
| FEBRUARY    | ...        | ... | 24             | 81  | 2           | 8  | ...            | 1   | 2           | 2  | ...               | 1   | ...              | 1   | 72     |
| MARCH ...   | ...        | ... | 89             | 26  | 4           | 7  | 3              | 2   | 1           | 4  | 1                 | ... | ...              | ... | 87     |
| APRIL ...   | ...        | ... | 25             | 26  | 7           | 8  | 5              | 1   | 5           | 2  | ...               | ... | ...              | ... | 79     |
| MAY... ..   | ...        | ... | 23             | 19  | 7           | 6  | ...            | ... | 2           | 3  | ...               | ... | ...              | ... | 60     |
| JUNE ...    | ...        | ... | 18             | 18  | 4           | 4  | ...            | 1   | 1           | 6  | ...               | ... | ...              | ... | 52     |
| JULY ...    | ...        | ... | 20             | 34  | 9           | 6  | ...            | 2   | 2           | 4  | ...               | ... | ...              | 2   | 79     |
| AUGUST ...  | ...        | ... | 24             | 25  | 4           | 4  | 2              | 2   | ...         | 2  | ...               | ... | ...              | ... | 63     |
| SEPT. ...   | ...        | ... | 29             | 40  | 4           | 2  | 1              | 1   | 1           | 2  | ...               | ... | ...              | ... | 80     |
| OCTOBER ... | ...        | ... | 14             | 33  | 5           | 1  | 1              | 2   | 2           | 2  | ...               | ... | ...              | ... | 60     |
| NOVEMBER    | ...        | ... | 21             | 26  | ..          | 1  | ...            | 1   | ...         | 4  | ...               | ... | ...              | ... | 53     |
| DECEMBER    | ...        | ... | 23             | 15  | 4           | 5  | 3              | 1   | 1           | 1  | ...               | ... | ...              | ... | 53     |
|             | ...        | ... | 277            | 341 | 54          | 57 | 16             | 15  | 21          | 33 | 1                 | 1   | ...              | 3   | 819    |
| TOTAL ...   |            |     | 618            |     | 111         |    | 31             |     | 54          |    | 2                 |     | 3                |     |        |

## INFECTIOUS DISEASES (NOTIFIABLE).

The notifications that have been received during the year number 819.

The notification rate for this year is 11·6 per 1000 persons living per annum, against 9·8 in 1907, 7·6 in 1906, 4·4 in 1905, 4·8 in 1904, 9·9 in 1903, 13·2 in 1902, 11·6 in 1901, 5·7 in 1900, and 9·03 in 1899.

The mortality rate from these diseases is 0·54 per 1,000 persons living per annum, against 0·36 in 1907, 0·53 in 1906, 0·22 in 1905, 0·34 in 1904, 0·57 in 1903, 0·70 in 1902, 0·62 in 1901, 0·41 in 1900, and 0·77 in 1899.

The number of notifications of each scheduled disease for the nineteen years ended with the termination of the year under notice is shown in the table.

On the Spot Disease Map showing the Wards the number of cases of Scarlet Fever, Diphtheria, and Typhoid Fever are indicated by distinctive marks.

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SMALL POX.

No notifications of Small Pox have been received during the year.

On the 8th August I received through the Medical Officer of Health, Birmingham, to whom it had been sent in error, a notice from the Town Clerk of Liverpool stating that a seaman who had been exposed to the infection of Small Pox on board his ship, had shortly after his arrival in Liverpool, returned to his residence in Smethwick.

I immediately called at the address given and found that after being at home 8 days he had rejoined his ship on the 7th of August.

The five persons living in the house in contact with him had all been vaccinated in infancy, and declined the re-vaccination which I recommended. They were kept under observation for a fortnight. No one took any infection.



The South Staffordshire Joint Small Pox Hospital is now available for admission for any cases of Small Pox which may occur in the Borough.

The districts for which the hospital is available are—

The Urban District of Amblecote.  
 The Urban District of Bilston.  
 The Urban District of Coseley.  
 The Urban District of Darlaston.  
 The Urban District of Heath Town.  
 The Urban District of Rowley Regis.  
 The Urban District of Sedgley.  
 The Urban District of Short Heath.  
 The Urban District of Tettenhall.  
 The Urban District of Tipton.  
 The Urban District of Wednesfield.  
 The Urban District of Oldbury.  
 The Rural District of Kingswinford.  
 The County Borough of Smethwick.  
 The County Borough of Wolverhampton.

The Smethwick representatives on the Joint Hospital Board are Aldermen Bowden, Motteram, and C. Summerton.

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## VACCINATION.

The Vaccination Officer's returns for the period of twelve months ended 30th June, 1908.

The percentage of births vaccinated works out at 75, as compared with 83 for the previous twelve months. The number of exemptions shows an increase of 96.

The returns of the Vaccination Officer were not so satisfactory as they were last year, 75 per cent. of the children born having been vaccinated, against 83 per cent in 1907. There has been an increase in the number of exemptions granted, the figures for this year being 137, against 41 in 1907. It cannot be too strongly urged on the public that they should avail themselves and their



# KING'S NORTON UNION.—VACCINATION RETURNS.

1ST JULY, 1907, to 30TH JUNE, 1908.

| DISTRICT AND PARISH. | Total Births. | Col. I.                     | Col. II.                        |                   | Col. IV.                                                                                           | Col. V.                | Postponement<br>by<br>Medical Certificate. | Removal to Districts<br>the Vaccination<br>Officer of which<br>has been<br>daily apprized. | Removal to Places<br>unknown<br>or which cannot<br>be reached; and Cases<br>not having been found. | Outstanding Cases. |
|----------------------|---------------|-----------------------------|---------------------------------|-------------------|----------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------|
|                      |               | Successfully<br>Vaccinated. | Inaccessible of<br>Vaccination. | Had<br>Small Pox. | Number in respect<br>of whom Certificates<br>of Consciousness<br>Objections have been<br>received. | Dead,<br>unvaccinated. |                                            |                                                                                            |                                                                                                    |                    |
| 1                    | 2             | 3                           | 4                               | 5                 | 6                                                                                                  | 7                      | 8                                          | 9                                                                                          | 10                                                                                                 | 11                 |
| SMETHWICK ... ..     | 2,007         | 1,515                       | 2                               | ...               | 137                                                                                                | 199                    | 62                                         | 23                                                                                         | 53                                                                                                 | 16                 |

Signed, A. E. FLETCHER, Vaccination Officer.

# VACCINATION RETURNS.

10TH JUNE, 1908.

| No Districts<br>in which<br>cases<br>reported. | Removal to Place<br>where<br>or which cannot<br>be traced, and cases<br>not having been found. | Dead,<br>unvaccinated. | V. of Outstanding Cases.<br>Cases in<br>which<br>vaccination<br>not yet<br>done. | VI. |
|------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------|-----|
| 23                                             | 203                                                                                            | 199                    | 16                                                                               | 37  |

Signed, A. E. FLETCHER, Vaccination Officer.

SCARLET FEVER, 1908.

1. FOLLOWING AGE PERIOD OF ATTACK.

[illegible]



SCARLET FEVER, 1908.  
TABLE SHOWING AGE PERIOD OF ATTACK.

| AGE PERIOD OF<br>ATTACK. | JAN. |     | FEB. |     | MARCH. |     | APRIL. |     | MAY. |     | JUNE. |     | JULY. |     | AUG. |     | SEPT. |     | OCT. |     | NOV. |     | DEC. |     | TOTALS. |     |                |
|--------------------------|------|-----|------|-----|--------|-----|--------|-----|------|-----|-------|-----|-------|-----|------|-----|-------|-----|------|-----|------|-----|------|-----|---------|-----|----------------|
|                          | M    | F   | M    | F   | M      | F   | M      | F   | M    | F   | M     | F   | M     | F   | M    | F   | M     | F   | M    | F   | M    | F   | M    | F   | M       | F   | BOTH<br>SEXES. |
| Under 1 year ...         | ...  | 1   | 2    | 1   | ...    | ... | ...    | ... | ...  | ... | ...   | ... | ...   | ... | ...  | ... | 2     | 1   | ...  | ... | ...  | ... | ...  | ... | 4       | 3   | 7              |
| 1 and under 2...         | 2    | ... | 2    | 2   | 2      | 1   | 1      | 1   | 1    | 4   | 1     | 1   | ...   | 1   | ...  | 1   | 1     | ... | ...  | ... | 2    | 1   | ...  | 1   | 12      | 18  | 25             |
| 2     "     3...         | 1    | 3   | ...  | 2   | 2      | 2   | 2      | 1   | ...  | 1   | 2     | 1   | 1     | 1   | ...  | 2   | 1     | 2   | ...  | 1   | 1    | 1   | 2    | 1   | 12      | 18  | 30             |
| 3     "     4...         | 1    | 6   | 2    | 2   | 2      | 1   | ...    | 3   | 1    | 3   | 2     | 2   | 2     | 3   | 5    | 1   | 1     | 2   | ...  | 2   | 1    | 2   | 3    | 1   | 20      | 28  | 48             |
| 4     "     5...         | 1    | 4   | 4    | 1   | 3      | 3   | 3      | 1   | 2    | ... | 3     | 1   | 2     | 2   | 5    | 2   | 9     | 3   | ...  | 3   | 2    | 1   | 2    | 1   | 36      | 22  | 58             |
| 5     "     15...        | 9    | 26  | 12   | 18  | 24     | 13  | 16     | 18  | 18   | 9   | 8     | 10  | 14    | 22  | 9    | 15  | 11    | 27  | 10   | 25  | 14   | 19  | 14   | 8   | 159     | 210 | 369            |
| 15   "     25...         | 2    | 6   | 1    | ... | 2      | 4   | 1      | ... | ...  | 2   | 1     | 2   | 1     | 3   | 3    | 3   | 3     | 2   | 4    | 1   | ...  | ... | ...  | ... | 18      | 23  | 41             |
| 25   "     40...         | 1    | 2   | 1    | 2   | 4      | 1   | 1      | 2   | 1    | ... | 1     | 1   | ...   | 2   | 2    | 1   | 1     | 3   | ...  | 1   | ...  | 2   | 2    | 2   | 14      | 19  | 33             |
| Over 40 years ...        | ...  | ... | ...  | 3   | ...    | 1   | 1      | ... | ...  | ... | ...   | ... | ...   | ... | ...  | ... | ...   | ... | ...  | ... | 1    | ... | ...  | 1   | 2       | 5   | 7              |
|                          | 17   | 48  | 24   | 31  | 39     | 26  | 25     | 26  | 23   | 19  | 18    | 18  | 20    | 34  | 24   | 25  | 29    | 40  | 14   | 33  | 21   | 26  | 23   | 15  | 277     | 341 | 618            |
|                          | 65   |     | 55   |     | 65     |     | 51     |     | 42   |     | 36    |     | 54    |     | 49   |     | 69    |     | 47   |     | 47   |     | 38   |     | 618     |     |                |

families of vaccination. People must not be lulled into a false sense of security because of the absence in recent years of outbreaks of Small Pox, for very surely one of these days, this disease will again become a serious menace to health, inevitably entailing much personal suffering, and probably fatality, to those who are unprotected by vaccination.

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### SCARLET FEVER.

The notifications of Scarlet Fever numbered 618, against 431 in 1907, 275 in 1906, 160 in 1905, 195 in 1904, 392 in 1903, 589 in 1902, 437 in 1901, 125 in 1900, and 281 in 1899.

The attack rate per 1,000 of the population is 8·8, against 6·4 in 1907, 4·2 in 1906, 2·5 in 1905, 3·2 in 1904, 6·7 in 1903, 10·6 in 1902, 8·0 in 1901, 2·2 in 1900, 5·45 in 1899, and 3·54 in 1898.

The mortality was 18, giving a death-rate of 0·25, against 0·16 in 1907, 0·06 in 1906, 0·11 in 1905, 0·081 in 1904, 0·12 in 1903, 0·35 in 1902, 0·23 in 1901, 0·05 in 1900, and 0·07 and 0·06 for the two previous years.

In the Street List appended to my report the locality of each outbreak is given, and the number of cases that have occurred in each Ward is shown on the Spot Disease Map.

The influence of Scarlet Fever on school attendance is indicated in the following figures, which show the number of outbreaks connected with each school for the last eleven years :—



SCHOOL INCIDENCE OF SCARLET FEVER IN 1898, 1899, 1900,  
1901, 1902, 1903, 1904, 1905, 1906, 1907, and 1908.

| SCHOOL.           | 1898 | /99 | 1900 | /01 | /02 | /03 | /04 | /05 | /06 | /07 | /08 |
|-------------------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Central ...       | 10   | 32  | 17   | 34  | 39  | 51  | 10  | 12  | 15  | 29  | 23  |
| Chances ...       | 5    | 3   | —    | 2   | 15  | 6   | 11  | 2   | 1   | 2   | 2   |
| West Smethwick    | 10   | 12  | 11   | 10  | 49  | 19  | 17  | 9   | 21  | 12  | 23  |
| Brasshouse Lane   | 5    | 16  | 5    | 45  | 26  | 26  | 8   | 5   | 37  | 48  | 21  |
| Sloe Lane ...     | —    | —   | 2    | 2   | —   | 2   | —   | —   | 3   | 5   | 1   |
| Cape ...          | 39   | 10  | 12   | 34  | 42  | 36  | 25  | 5   | 16  | 33  | 92  |
| Corbett Street... | 22   | 24  | 6    | 35  | 42  | 15  | 11  | 16  | 5   | 19  | 26  |
| Rabone Lane ...   | 1    | 5   | —    | 5   | —   | 2   | 3   | 2   | 2   | 5   | 5   |
| Bearwood Road     | 13   | 11  | 2    | 13  | 21  | 26  | 11  | 19  | 22  | 23  | 40  |
| Waterloo Road     | —    | —   | —    | —   | —   | —   | —   | —   | —   | —   | 47  |
| Old Church ...    | —    | 4   | —    | 1   | 8   | 2   | 1   | 1   | 4   | 7   | 8   |
| Holy Trinity ...  | 5    | 6   | 8    | 5   | 8   | 21  | 1   | 3   | 4   | —   | 3   |
| St. Matthew's ... | 13   | 23  | 4    | 10  | 17  | 17  | 7   | 8   | 4   | 9   | 16  |
| St. Phillip's ... | 1    | 1   | 5    | 2   | 9   | 3   | —   | —   | 1   | 11  | 6   |
| Private Schools   | 6    | 8   | 7    | 9   | 9   | 7   | 6   | 5   | 2   | 15  | 5   |
| Other Schools ... | 2    | 1   | 4    | 6   | 8   | 3   | 3   | 8   | 8   | 11  | 6   |
|                   | 132  | 156 | 83   | 213 | 293 | 236 | 117 | 95  | 145 | 229 | 322 |

The incidence of Scarlet Fever in the several Wards of the Borough during the last eight years has been as follows :—

| Spon Lane. | Sandwell. | Uplands. | Bearwood. | Victoria. | Soho.* |
|------------|-----------|----------|-----------|-----------|--------|
| In 1901.   |           |          |           |           |        |
| 31         | 111       | 19       | 104       | 81        | 91     |
| In 1902.   |           |          |           |           |        |
| 151        | 73        | 46       | 151       | 70        | 98     |
| In 1903.   |           |          |           |           |        |
| 75         | 60        | 23       | 103       | 63        | 68     |
| In 1904.   |           |          |           |           |        |
| 45         | 18        | 9        | 61        | 19        | 43     |
| In 1905.   |           |          |           |           |        |
| 30         | 16        | 8        | 55        | 18        | 32     |
| In 1906.   |           |          |           |           |        |
| 50         | 71        | 14       | 91        | 29        | 20     |
| In 1907.   |           |          |           |           |        |
| 50         | 112       | 20       | 107       | 77        | 65     |
| In 1908.   |           |          |           |           |        |
| 57         | 68        | 20       | 267       | 88        | 118    |



Scarlet Fever which assumed an epidemic form in September, 1907, has continued very prevalent throughout the year. The disease principally attacked persons between the ages of 5 and 15 years ; and so has largely affected the school attendances.

The disease was mainly confined to families living in houses with two or three bedrooms. One hundred and thirty-five cases occurred in 57 houses. Two hundred and eighty-six cases were removed to the hospital, the rest were treated at home.

In very few instances could further infection be traced to any of the cases treated at home.

The Local Government Board drew attention to the large number of cases that had been notified during the period from the 4th July to the 7th November, and requested the Town Council to instruct me to prepare a special report dealing with non-fatal as well as fatal cases, and the steps taken to cope with the epidemic. I accordingly prepared a report which was printed and presented to you, and forwarded to the Local Government Board, in which I dealt, according to the Board's instructions, very fully.

As regards removal to hospital, the reasons for such removal were :—overcrowding, impossibility of home isolation, and want of proper nursing, special circumstances (mothers expecting confinement), occupation of other members of the family, *i.e.* coachman, chauffeur, jobbing gardener, ice cream maker, brewer's draymen, greengrocer, baker, food, milk, and other shops, railway servants, domestic service, laundry work, servant's registry office.

There were 18 deaths. Five occurring on the day of notification. In each case the premises were visited and found clean, and these deaths appear to have been due to intense toxic infection. One child, who was removed to hospital, was found on admission to have a mixed infection, Diphtheria being associated with Scarlet Fever.

The following brief notes of cases are of interest and hence recorded.

H.J. and H.J., aged 4 years and 30 years. Both having developed malignant Scarlet Fever, were removed to the hospital, where the father died on 26th Aug., twenty-six hours after admission, and the child on the 3rd September, having developed Meningitis. The dwelling was clean, and there were only two



other children. The child was a school girl, the father had been employed in Birmingham, and apparently contracted the infection from his daughter.

A.M.K., aged 10 years. This house was occupied by 2 families, 2 previous cases were notified here on the 4th of November, 1907, both treated at home, the house was disinfected on the 9th December, both having recovered. On the 28th January a sister aged 10 years was notified, and died on the 15th February. Other members of each family were attacked but recovered.

J. J., aged 5 months, notified 30th September, died 26th October, the cause of death being registered as Gastro Intestinal Catarrh, Scarlet Fever. There was another child aged 18 months notified on the same day. On visiting the house I found both children downstairs, and at once advised that they should be moved to a bedroom, where they were subsequently well isolated. There were 3 bedrooms.

With few exceptions I personally visited all cases as soon as possible after the receipt of the notification, practically on that day. In a few instances visits were made by the Sanitary Inspectors, and generally speaking I myself subsequently re-visited the outbreaks they had enquired into. I have made careful notes of all visits and given verbal advice as to isolation, &c. Each case has been regularly registered on the receipt of notification, and a card of printed instructions as to precautions against the spread of infection, and copies of section 126 of the Public Health Act, have been forwarded by post to the address given on the notification form. Disinfectants were supplied by the Corporation free of cost. When patients were treated at home they were recommended to be isolated in the most detached room, a sheet moistened with izal solution being placed outside the door frame, the nurse directed to wear a washable gown over her clothing, and to keep her hair covered while in the sick room, the gown to be hung in the room at the back of the door on leaving it, and she was advised to wash her hands in izalized water. The workers in the family and other children, where possible, were recommended to live away from home, care being taken that they did not go to houses where there were young children.

The Education Department have been kept posted up, and children who were known to have been exposed to infection have been excluded from school for fourteen days.

Any insanitary conditions observed were specially noted, and steps immediately taken for their abatement, but as the large majority



of the infected dwellings have only been erected within recent years but few defects have been found. It has been exceedingly difficult to arrive at any definite conclusion as to sources of infection. In a few instances persons notified were found to have been suffering for some little time before any doctor was called in, and not isolated, their infectiveness then only being discovered. The fact that some children in this state have been playing about in the street with other children, and probably attending school, may to some extent account for the spread of the disease.

It must be remembered that Scarlet Fever has for some time been extremely prevalent in adjoining districts, and that Smethwick until October, 1907, had been fairly free from the disease. With very few exceptions I have found that parents have been ready to carry out the instructions I have given as regards isolation, and that as a rule the houses in which outbreaks have occurred were kept in a cleanly condition.

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### DIPHTHERIA.

The notifications of Diphtheria number 111 this year, against 119 last year, 125 in 1906, 39 in 1905, 37 in 1904, 59 in 1903, 54 in 1902, and 60 in 1901.

The attack rate is 1·6 per 1,000 persons living per annum, against 1·7 in 1907, 1·9 in 1906, 0·6 in 1905, 0·6 in 1904, 1·0 in 1903, 0·9 in 1902, and 1·0 in 1901.

The death-rate is 0·11, against 0·10 in 1907, 0·21 in 1906, 0·01 in 1905, 0·081 in 1904, 0·19 in 1903, 0·12 in 1902, and 0·09 in 1901.

Two hundred and thirty-nine specimens of the secretions from the throats of patients were submitted for bacteriological examinations at the Birmingham University, who reported that 73 were found to shew the presence of the bacillus, and that in 166 cases the results were negative.

In December three children in one house, and one in another house in Soho Ward, all attending St. Matthew's Schools, were notified. The schools were immediately visited and the head teacher interviewed. The next day being Saturday advantage was taken of the opportunity for disinfecting the schools, it was



thoroughly done with formaldehyde, the two Lingner apparatuses being used. No further case occurred amongst the scholars. Bacteriological confirmations were received of these cases.

The Medical Officer of Health, of Birmingham, notified a case which had been taken to the Children's Hospital, Birmingham, for advice, and being found to be suffering from Diphtheria was removed to the City Hospital.

A girl, working in a local laundry, was notified.

Sixteen cases occurred in seven houses.

In several instances Diphtheria and Scarlet Fever co-existed.

Some minor insanitary conditions were discovered, and all were remedied.

All of these cases were visited and inquired into. In no instance was infection traced to a previous case, excepting in the seven houses where more than one member of a family was attacked.

The milk supply was minutely inquired into, but proved to be free from suspicion, frequently I found that condensed milk alone was used. In a few instances there was some overcrowding, but usually speaking the accommodation was fairly sufficient.

In 16 cases anti-toxin was used.

The deaths numbered six, three males and three females, being 5.4 per cent. of the total number notified.

NOTIFICATIONS OF DIPHTHERIA. 1908, AT AGE PERIODS, SEXES BEING DISTINGUISHED.

|                        | M.  | F.  | BOTH. |
|------------------------|-----|-----|-------|
| Under 1 year ... ..    | 1   | ... | 1     |
| 1 year and under 5 ... | 8   | 10  | 18    |
| 5 „ „ 15 ...           | 34  | 29  | 63    |
| 15 „ „ 25 ...          | 5   | 7   | 12    |
| 25 „ „ 65 ...          | 6   | 11  | 17    |
| 65 „ and upwards ...   | ... | ... | ...   |
| Total ...              | 54  | 57  | 111   |

MORTALITY OF DIPHTHERIA AT AGE PERIODS, 1908.

|                          | M.  | F.  | BOTH. |
|--------------------------|-----|-----|-------|
| Under 1 year ... ..      | ... | ... | ...   |
| 1 year and under 5... .. | ... | 3   | 3     |
| 5 „ „ 15... ..           | 3   | ... | 3     |
| 15 „ „ 25... ..          | ... | ... | ...   |
| 25 „ „ 65... ..          | ... | ... | ...   |
| 65 „ and upwards ...     | ... | ... | ...   |
| Totals... ..             | 3   | 3   | 6     |



## TYPHOID FEVER.

The notifications of Typhoid Fever number 31 this year, 16 males and 15 females, and 4 deaths have been registered as having been occasioned by it. Last year 32 notifications were received, 36 in 1906, 24 in 1905, 23 in 1904, 55 in 1903, 47 in 1902, and 62 in 1901.

The mortality rate this year is 0.05, against 0.07, 0.12, 0.09, 0.114, 0.15, 0.23, 0.22, 0.12, and 0.22 in the nine years immediately preceding this year.

The attack rate is 0.44 per 1,000 persons living per annum.

The Typhoid distribution is indicated in the Spot Disease Map appended to my report.

During the five years ended 31st December, 1908, 146 cases have been notified, giving an average per annum of 29 cases. In the preceding five years the notifications numbered 279, giving an average of 55.8 cases per annum. In view of the active steps that have been taken for the abolition of privies and ashpits this record is especially satisfactory, and now that hospital accommodation has been provided for cases of this fever, a still further diminution of it may be hoped for.

This year in the W.C. houses there was no duplicate case, but in two of those supplied with privies there were three and two cases respectively. Thirty-one cases occurred in twenty-eight houses, nineteen had W.C. and nine privy accommodation, and six of these have had W.C.'s substituted for privies, and of the remaining three a similar substitution will be carried out.

In no instance was the fever traceable to eating fish of any kind, and the milk was quite free from suspicion.

Ten cases were removed to the hospital, and in two instances Widal's Reaction was obtained.

One case was imported, the patient being a school teacher in a parish in Cheshire, and having come here ill to her friends. I communicated the circumstances to the Medical Officer of Health for that district.



Another case appeared to have been probably infected outside the borough, the patient being a commercial clerk, and following the profession of a violinist at a place of entertainment in Birmingham.

Another patient came from her home in Birmingham, where she had been some time ill, and under medical treatment. I took steps to endeavour to have her removed to the City Hospital, but before this could be arranged, she became too ill to be removed, and died.

In addition to privies, insanitary conditions discovered were first, defective slop closet; second, a stopped W.C.; and third, a broken soil pan.

There were four deaths, all females, three being over 30 years of age, and one over 15 years of age.

#### NOTIFICATIONS OF TYPHOID FEVER, 1908.

|                               | M.  | F.  | BOTH. |
|-------------------------------|-----|-----|-------|
| Under 1 year ... ..           | ... | ... | ...   |
| 1 year and under 5 years      | ... | 2   | 2     |
| 5    "       "   15   "   ... | 3   | 3   | 6     |
| 15   "       "   25   "   ... | 6   | 3   | 9     |
| 25   "       "   60   "   ... | 7   | 7   | 14    |
| 60   "       "   65   "   ... | ... | ... | ...   |
| 65   "       "   70   "   ... | ... | ... | ...   |
| 70   "       "   75   "   ... | ... | ... | ...   |
| 75 and upwards ... ..         | ... | ... | ...   |
| Totals ... ..                 | 16  | 15  | 31    |

## MORTALITY OF TYPHOID FEVER AT AGE PERIODS, 1908.

|                       |        | M.  | F.  | BOTH. |
|-----------------------|--------|-----|-----|-------|
| Under 1 year          | ... .. | ... | ... | ...   |
| 1 year and under 5... | ..     | ... | ... | ...   |
| 5 „ „ 15...           | ...    | ... | ... | ...   |
| 15 „ „ 25...          | ...    | ... | 1   | 1     |
| 25 „ „ 65...          | ...    | ... | 3   | 3     |
| 65 „ and upwards      | ...    | ... | ... | ...   |
| Totals                | ...    | ... | 4   | 4     |

## MEMBRANOUS CROUP.

Two cases of Membranous Croup were notified, against 3 in 1907, 4 in 1906, none in 1905, 1 in 1904 and 1903, and none in 1902.

Both proved fatal, a male aged 3 years and a female aged 5 years.

## PUERPERAL FEVER.

Three cases of Puerperal Fever have occurred this year against 4 in 1907, 6 in 1906, 4 in 1905, 2 in 1904, 4 in 1903, 2 in 1902, 3 in 1901 and 1900, and 2 in 1899.

Three deaths have been registered.

February 27th, Mrs. P., aged 20, Sandwell Ward, confined 13th February, first child. After the child was born a doctor was called



in, and a certificated midwife was in attendance as nurse. The patient died 26th February. She was in lodgings here, where the family had recently had Scarlet Fever, but disinfection had been carried out a fortnight before she came. No suspicion was attached to the midwife, who was afterwards properly disinfected.

July 2nd, Mrs. G., Spon Lane Ward, out-door beer license. Confined 10 days, second child, a doctor and nurse in attendance, patient died June 30th. This case was notified on 2nd July, the patient having died on the 30th June.

July 5th, Mrs. H., Soho Ward. This case was notified on the 5th, and visited by me on the same day. The confinement had taken place on the 28th June. It was the patient's first child and was living. She and her husband occupied the front room down stairs, in a terrace off Reynolds Street. She was attended by a registered midwife. She died on 14th July. A doctor was called in on the 3rd July. I made careful inquiries as to other patients attended by the midwife, but found no other case of illness had occurred in her practice. I at once required her to cease attending other cases until she had obtained my sanction to resume her work, and this was with-held until the 28th July. I visited her house, and made a careful inspection of it and the premises with the Sanitary Inspector. I found all rooms in a dirty condition, and a notice was served on the landlord to cleanse it. Her bedroom, bag, its contents, and her clothing, were disinfected, and she was instructed as to thoroughly washing herself and clothes. There was a pig kept in the yard. As soon as this is disposed of no more will be kept.

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### ERYSIPELAS

Fifty-four notifications of Erysipelas have been received this year against 73 last year, 54 in 1906, 54 in 1905, 36 in 1904, 43 in 1903, 42 in 1902, 72 in 1901, and 55 in 1900.

One death has been registered,



## SMETHWICK AND OLDBURY JOINT ISOLATION HOSPITAL.

This hospital is intended for the reception of patients suffering from Scarlet Fever and Typhoid Fever. During the year under notice in consequence of the great prevalence of Scarlet Fever it has been constantly utilised. At present the whole scheme, which will ultimately be developed, has been only partially completed, and the need there has been to secure isolation has occasioned (having regard to the requirements of the Local Government Board) some temporary inconvenience. The question that has presented itself was whether in the interest of public health temporary overcrowding was preferable to the non-isolation that must otherwise have been unavoidable. By separating at the hospital as far as possible the less acute and convalescing patients from the more acute cases much was done to prevent any injurious result of overcrowding, and there is no doubt that in many instances the isolation which has been obtained has proved of signal service, and assisted the other efforts that have been made to prevent the spread of infection.

In all 289 cases of Scarlet Fever were admitted from Smethwick, and 66 from Oldbury, their age periods being as follows:—

|           |     | 1 year and<br>under 5 |     | 5-15 |     | 15-25 |     | 25 and<br>over. |
|-----------|-----|-----------------------|-----|------|-----|-------|-----|-----------------|
| Smethwick | ... | 78                    | ... | 164  | ... | 28    | ... | 16              |
| Oldbury   | ... | 16                    | ... | 44   | ... | 6     | ... | —               |

The deaths that occurred were—

Smethwick, 7.              Oldbury, 2.              Total, 9.

During the same period 14 cases of Typhoid Fever were admitted, viz.: from Smethwick, 10; from Oldbury, 4. There were 3 deaths—Smethwick patients, 2; Oldbury patients, 1.

Miss Edison was appointed Matron in July last, on the resignation of Miss Burtinshaw, and has fulfilled the expectations, that were anticipated of her, by her careful administration of the hospital, and uniform and intelligent care of the patients. She has now under her a staff of 7 nurses, 6 female domestic servants, a lodge keeper and 2 porters, the former acting as engineer, and being in charge of the disinfecting chamber, one or both of the latter attending to the conveying of patients to the hospital, and the

removal of infected bedding, etc., and its return after disinfection, and in other work at the hospital.

PAYMENTS from 1st January to 31st December, 1908.

| Salaries of Officers and Servants—                   |     |     |     |     |     | £     | s. | d. | £      | s. | d. |
|------------------------------------------------------|-----|-----|-----|-----|-----|-------|----|----|--------|----|----|
| Clerk                                                | ... | ... | ... | ... | ... | 25    | 0  | 0  |        |    |    |
| Medical Officer (including arrears)                  | ... |     |     |     | ... | 175   | 0  | 0  |        |    |    |
| Staff                                                | ... | ... | ... | ... | ... | 332   | 19 | 8  |        |    |    |
| Porters, Gardeners. etc.                             | ... | ... |     |     | ... | 208   | 18 | 1  |        |    |    |
|                                                      |     |     |     |     |     | <hr/> |    |    | 741    | 17 | 9  |
| Establishment Expenses—                              |     |     |     |     |     |       |    |    |        |    |    |
| Printing, Stationery, etc.                           | ... | ... |     |     |     |       |    |    | 52     | 4  | 0  |
| Maintenance Expenses—                                |     |     |     |     |     |       |    |    |        |    |    |
| Rates, Taxes, Insurance, Repairs, and General Upkeep | ... | ... | ... |     |     |       |    |    | 651    | 11 | 6  |
| Patients' Expenses—                                  |     |     |     |     |     |       |    |    |        |    |    |
| Provisions, Medicine, and temporary Nurses           | ... | ... | ... | ... | ... |       |    |    | 685    | 16 | 6  |
|                                                      |     |     |     |     |     | <hr/> |    |    | <hr/>  |    |    |
|                                                      |     |     |     |     |     |       |    |    | £2,131 | 9  | 9  |

NUMBER OF BEDS, ETC., DISINFECTED FROM  
SMETHWICK AND OLDBURY FOR 1908.

|                      |     |     |     |     |     |       |
|----------------------|-----|-----|-----|-----|-----|-------|
| Smethwick—Beds       | ... | ... | ... | ... | ... | 600   |
| Oldbury — „          | ... | ... | ... | ... | ... | 157   |
| Total                |     |     |     |     |     | 757   |
|                      |     |     |     |     |     | ————— |
| Smethwick—Mattresses | ... | ... | ... | ... | ... | 640   |
| Oldbury — „          | ... | ... | ... | ... | ... | 200   |
| Total                |     |     |     |     |     | 840   |
|                      |     |     |     |     |     | ————— |
| Smethwick—Blankets   | ... | ... | ... | ... | ... | 560   |
| Oldbury — „          | ... | ... | ... | ... | ... | 150   |
| Total                |     |     |     |     |     | 710   |
|                      |     |     |     |     |     | ————— |



|                    |     |     |     |     |     |      |
|--------------------|-----|-----|-----|-----|-----|------|
| Smethwick—Pillows  | ... | ... | ... | ... | ... | 820  |
| Oldbury — „        | ... | ... | ... | ... | ... | 250  |
| Total              |     |     |     |     |     | 1070 |
| Smethwick—Bolsters | ... | ... | ... | ... | ... | 422  |
| Oldbury — „        | ... | ... | ... | ... | ... | 100  |
| Total              |     |     |     |     |     | 522  |

### STEPS TAKEN FOR THE PREVENTION OF INFECTIOUS DISEASES.

Being through the agency of the Infectious Diseases Notifiable Act promptly advised of all outbreaks of infectious disease, each case is regularly registered, and on the day on which the notification is received a card of printed instruction as to precautions against the spread of infection, and copies of section 126 of the Public Health Act, are forwarded by post to the address given in the notification Form.

Notices of all new outbreaks are forwarded to the Education Committee, the School Attendance Officers being thus acquainted with them. I continue to make it a point to personally visit all premises where outbreaks have occurred, to endeavour to ascertain the source of infection, to enquire as to the sanitary condition of the premises, the employment of the working members of the family, the schools attended by the children, and to give such general verbal instructions as are necessary. Further, all the elementary schools are provided with time tables showing the period of infectiveness of the various diseases, with a view of preventing the premature return to school of any children from infected houses. Disinfection at the conclusion of the illness is performed. When outbreaks of Typhoid Fever occur in other than W.C. houses special pans are provided. In all cases of infectious disease affecting school children, no child is allowed to return to school until a notice has been received by the school attendance officer signed by the Medical Officer of Health, certifying it may do so. In the case of Diphtheria this certificate is not forwarded until the Medical Officer of Health has received from the University, Birmingham, a notice that the patient is no longer infective. The method of disinfection is either



by sulphur, formalin, or chloride of lime, at my discretion, and all unwashable articles are conveyed in the removal van and disinfected in Manlove, Alliott & Co.'s Saturated Steam Disinfector, and returned in another van. The usual notices are served on the landlord or tenant, requiring a stripping and limewashing of the walls of the patient's room. In cases of Puerperal Fever when necessary, infected beds and bedding are destroyed, the Corporation paying compensation. In all cases attended by midwives steps are taken to require them to have their clothes thoroughly washed and disinfected, to advise them as to personal cleanliness, and to prevent them from attending any other cases for such period as may seem necessary.

Cases of Scarlet Fever and Typhoid Fever where home isolation is difficult of accomplishment, are removed when practicable to the new hospital.

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## OTHER INFECTIOUS, BUT NOT NOTIFIABLE DISEASES.

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### MEASLES.

One death has been registered this year from Measles, against 28 last year, 17 in 1906, 42 in 1905, 1 in 1904, 6 in 1903, 19 in 1902, 4 in 1901, 16 in 1900, and 7 in 1899.

Measles has been conspicuous by its absence.

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### WHOOPIING COUGH.

Twenty-eight deaths have been registered this year from Whooping Cough, against 15 last year, 30 in 1906, 28 in 1905, 11 in 1904, 16 in 1903, 13 in 1902, 21 in 1901, 8 in 1900, and 4 in 1899.

Whooping Cough has been more or less prevalent during the year, and the mortality heavier.

## INFLUENZA.

Fourteen deaths have been registered this year from Influenza, against 12 last year, 11 in 1906, 6 in 1905, 5 in 1904, none in 1903, 4 in 1902, 5 in 1901, and 14 in 1900.

This disease has been still in evidence throughout the whole year.

It was most prevalent in the early part of the year, and was often associated with Pneumonia and Bronchitis, it was responsible for 14 deaths, 12 of them occurring amongst adults and old people.

## INQUESTS.

The Registrar's returns show that 62 Inquests have been held on persons belonging to the Borough.

The verdicts returned were :—

Burns, 5; Accident, 5; drowning, 8; poisoning, 1; suffocation, 4; natural causes, 39.

| AGES.                  | M  | F   | TOTAL. |
|------------------------|----|-----|--------|
| Under 1 year ... ..    | 10 | 7   | 17     |
| 1 year and under 5 ... | 4  | 5   | 9      |
| 5 „ „ 15 ...           | 5  | 3   | 8      |
| 15 „ „ 25 ...          | 2  | ... | 2      |
| 25 „ „ 65 ...          | 13 | 5   | 18     |
| 65 and over ... ..     | 4  | 4   | 8      |
| Total ... ..           | 38 | 24  | 62     |



## BATHS.

The number of bathers attending the baths in the year ending 31st March, 1908, was 38,453, a decrease over last year of 7·267.

During the same period 14,000 school children were allowed by the Education Committee to attend the baths during school hours.

The following table shows the number of bathers for the past twenty years :—

|           |     |     |     | No. of Bathers. |
|-----------|-----|-----|-----|-----------------|
| 1888—1889 | ... | ... | ... | 16,874          |
| 1889—1890 | ... | ... | ... | 23,235          |
| 1890—1891 | ... | ... | ... | 18,140          |
| 1891—1892 | ... | ... | ... | 19,105          |
| 1892—1893 | ... | ... | ... | 19,342          |
| 1893—1894 | ... | ... | ... | 23,813          |
| 1894—1895 | ... | ... | ... | 22,358          |
| 1895—1896 | ... | ... | ... | 28,153          |
| 1896—1897 | ... | ... | ... | 26,672          |
| 1897—1898 | ... | ... | ... | 28,170          |
| 1898—1899 | ... | ... | ... | 32,752          |
| 1899—1900 | ... | ... | ... | 27,000          |
| 1900—1901 | ... | ... | ... | 29,700          |
| 1901—1902 | ... | ... | ... | 30,113          |
| 1902—1903 | ... | ... | ... | 20,031          |
| 1903—1904 | ... | ... | ... | 25,530          |
| 1904—1905 | ... | ... | ... | 31,626          |
| 1905—1906 | ... | ... | ... | 44,068          |
| 1906—1907 | ... | ... | ... | 45,720          |
| 1907—1908 | ... | ... | ... | 38,453          |
|           |     |     |     | 551,165         |

## WATER SUPPLY.

The water supply by the South Staffordshire Water Works Company has maintained its character for purity, and has been sufficient and constant. One of the most important means for the maintenance of the health of the borough has no doubt been the exceptionally excellent quality of the water. Mr. Davies, the collector, informs me that the total houses now supplied number 14,774. Of these 454 were connected during the year, namely 438 new and 16 old houses.

No well has been closed during the year.

## SLAUGHTER HOUSES.

The number of slaughter houses on the register is 17 ; among these 10 are registered, and 7 licensed, the occupiers of the licensed ones being under the obligation of having to obtain an annual renewal of their license. They have been systematically visited during the year, and, at the time of inspection, verbal notices have been, as a general rule, sufficient to secure the abatement of any nuisance discovered.

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## DAIRIES, COWSHEDS, AND MILKSHOPS.

The number of dairymen and purveyors of milk on the register at the end of the year was 250, and the number of cowsheds on the register was 9. During the year 39 persons were registered for the sale of milk. Four registered dairymen discontinued the sale of milk during the year, and their names were struck off the register, while in several instances there were changes of occupation in milkshops.

These have been systematically visited and the regulations in respect thereof have been enforced.

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## ROUTINE SANITARY WORK.

During the year I made special visits and inquiries as to the following matters, being accompanied by the Sanitary Inspector.

Faulty drainage, defective and insufficient W.C. accommodation, belonging to a group of houses in Cross Street, all the nuisances being subsequently abated.

## VARNISH WORKS IN UNION STREET.

In my report for 1907 I referred to this, and to the steps that had been taken to abate a nuisance that was complained of, occasioned by the escape of disagreeable and pungent fumes during the process of boiling pitch. This year further complaints having been made, I again visited the works, and then found that any nuisance that had recently been noticed was due to purely



accidental causes, and that the owner was doing everything that could possibly be done, and that certain structural arrangements that I had previously recommended had been effected, with the result that all smoke and fumes were consumed in the furnaces beneath the coppers, and no further complaint has reached me.

#### RAG SORTING.

The practice of rag sorting on land adjoining a public thorough-fare was complained of as being objectionable. The matter was inquired into, and as it was possible that such a constant collection of old rags gathered indiscriminately, and then sorted in such a locality, and often in the midst of groups of children, might be a source of danger to health, steps were taken to prevent any recurrence of the practice.

In the course of my visits to premises in which infectious diseases were notified, I made numerous personal inspections of houses, drains, privy and W.C. accommodation, and premises and surroundings, noting all defects, which were dealt with by the Sanitary Inspector and abated.

The Health Visitor has reported from time to time on cases of overcrowding, dirty houses and people, and neglected children, all of which have received my attention.

#### ANIMAL NUISANCE.

Pig keeping has been frequently inquired into, and in accordance with the instructions of the Health Committee, who are of opinion that with the growth of the population, and the increasing number of houses, it is objectionable, an opinion which I share, it is being gradually restricted, and in many instances has been abolished.

#### MEAT INSPECTION.

The sale of meat has been kept under pretty close observation. In three instances the carcasses of five tuberculous pigs were brought to the notice of the Inspector, and voluntarily surrendered, and destroyed in the destructor.

The statistical records of sickness and mortality, and the register of the incidence of infectious diseases have been kept. The usual returns required by the Local Government Board have been regularly forwarded, and I have prepared the monthly reports for the Health



Committee, and attended their meetings, and in addition to the house to house inspections already referred to, and the visiting of practically every house in which infectious disease has been notified, have generally kept myself acquainted with the sanitary condition of the borough. I have again gratefully to acknowledge my extreme obligation to the Corporation officials for their valuable assistance in many ways, and also to tender my thanks to Mr. Davies, the collector of the South Staffordshire Waterworks Company; Mr. Fletcher, the Vaccination Officer; and Mr. Fisher, the Relieving Officer, for the returns which they have provided.

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## MIDWIVES' ACT.

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### REPORT FOR THE YEAR 1908.

Thirty-nine midwives registered their intention to practice in the Borough. Of these only one is a trained midwife, the rest being bona fide midwives, i.e., midwives who were in practice before the passing of the Central Midwives' Board Act. Two are 72 years of age. There are also 7 uncertified midwives in practice.

The midwives have been visited periodically, when their case books, bags, appliances, and homes have been inspected and their mode of practice investigated.

#### RESULT OF INVESTIGATION.

Five midwives were using bags without a washable lining, and in 6 cases the bags were dirty or in an otherwise unsatisfactory condition.

Five had neglected to keep their case books, and the registers of 10 who were unable to write were kept in a more or less unsatisfactory condition by relatives.

Two houses were found to be in an insanitary condition. Notices were served on the landlord, and the several nuisances abated.

Ten notifications of still-births, 4 notifications of medical help required, and 1 notification of the death of a child, were received



from the midwives as required by the Rules of the Central Midwives' Board.

Three midwives were reported for various infringements of the Rules of the Central Midwife's Board.

First Case—A complaint of neglect of patient was received from the Worcester County Council referring to a midwife residing in the borough.

Second Case—A midwife had been attending a case in Hands-worth, where the infant had Ophthalmia Neonatorum. Instead of advising the parent to obtain medical advice, as required by the midwives' rules, she had herself treated the baby's eyes with lotion.

Third Case—Instead of visiting the case for 10 days, as required by the Rules of the Central Midwife's Board, the midwife left the case on the sixth day.

Delegated by the Health Committee, I interviewed these midwives, and although they admitted their offences, the conditions under which they were working at the time mitigated them in some degree, which warranted me in dismissing them with a severe caution.

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### THE NOTIFICATION OF BIRTHS' ACT (1907).

From January 22nd, 1908 (when this Act came into force in the Borough) until December 31st, 1,825 births have been notified, including 47 still-births.

|                     |     |     |      |
|---------------------|-----|-----|------|
| Total notifications | ... | ... | 87 % |
| Notified by doctors | ... | ... | 14 % |
| „ „ midwives        | ... | ... | 76 % |

The provisions of the Act are as follows:—

In the case of every child born in an area in which the Act is adopted, it shall be the duty of the father of the child, if he is actually residing in the house where the birth takes place at the time of the occurrence, and of any person in attendance upon the mother at the time of, or within six hours after the birth, to give

notice in writing of the birth to the Medical Officer of Health of the district in which the child is born.

Notice shall be given by posting a prepaid letter or post card, addressed to the Medical Officer of Health giving the necessary information of the birth, within thirty-six hours thereafter, or by delivering a written notice at the office or residence of the Medical Officer of Health within the same time.

### SANITARY WORK AND IMPROVEMENTS.

Mr. Fyles, the Sanitary Inspector, has furnished me with the following information as regards the progress that has been made during the year in improving sanitary conditions.

The conversion of privies into W.C.'s and the abolition of middens has been further proceeded with. The following figures show the extent of these improvements since the completion of the sewerage of the district thirteen years ago :—

|        |     | W.C.'s<br>Provided. | Privies<br>Abolished. | Middens<br>Abolished. | Houses<br>Affected. |
|--------|-----|---------------------|-----------------------|-----------------------|---------------------|
| 1896   | ... | 140                 | 140                   | 126                   | 151                 |
| 1897   | ... | 226                 | 226                   | 175                   | 240                 |
| 1898   | ... | 401                 | 395                   | 276                   | 434                 |
| 1899   | ... | 509                 | 500                   | 340                   | 569                 |
| 1900   | ... | 645                 | 621                   | 394                   | 707                 |
| 1901   | ... | 585                 | 585                   | 382                   | 613                 |
| 1902   | ... | 409                 | 409                   | 229                   | 433                 |
| 1903   | ... | 349                 | 341                   | 220                   | 367                 |
| 1904   | ... | 310                 | 304                   | 199                   | 317                 |
| 1905   | ... | 333                 | 330                   | 219                   | 308                 |
| 1906   | ... | 285                 | 280                   | 208                   | 287                 |
| 1907   | ... | 256                 | 254                   | 152                   | 259                 |
| 1908   | ... | 246                 | 243                   | 160                   | 255                 |
| Totals |     | 4,694               | 4,628                 | 3,080                 | 4,940               |

The number of water-closets substituted for privy middens during the year was 246, as compared with 256 the preceding year. The above figures strikingly indicate to what extent privy middens



have been replaced by the water-carriage system. The number of privies and middens existing at the present time is 893 privies and 573 middens.

#### DRY REFUSE REMOVAL.

During the year 10,866 loads, weighing 14,252 tons, were collected and destroyed in the Destructor. The figures for the previous year were 14,559 loads, which shews a decrease of 3,693 loads.

This decrease is brought about by the loads in the year under notice being of much greater weight than the previous year, owing to an improved system of working.

In connection with this work it is important to state that there is a weekly collection of the refuse from the portable receptacles which number approximately 11,000. The following table shews the rapid extension and growth of dry refuse requiring to be dealt with during the past eight years :—

| No. of Loads. |     |     |        |          |
|---------------|-----|-----|--------|----------|
| 1901          | ... | ... | 6,663  | (Carts)  |
| 1902          | ... | ... | 8,762  | „        |
| 1903          | ... | ... | 9,871  | „        |
| 1904          | ... | ... | 12,240 | „        |
| 1905          | ... | ... | 10,654 | (Wagons) |
| 1906          | ... | ... | 13,146 | „        |
| 1907          | ... | ... | 14,559 | „        |
| 1908          | ... | ... | 10,866 | „        |

#### NIGHT SOIL REMOVAL.

The work under this head continues to decrease owing to the abolition of the privy midden. The figures for the last five years are as follows :—

| No. of Loads. |     |     |     |     |      |
|---------------|-----|-----|-----|-----|------|
| 1904          | ... | ... | ... | ... | 8000 |
| 1905          | ... | ... | ... | ... | 6900 |
| 1906          | ... | ... | ... | ... | 6100 |
| 1907          | ... | ... | ... | ... | 5860 |
| 1908          | ... | ... | ... | ... | 5230 |

The table being a summary of sanitary work done in the Nuisance Inspector's department during the year 1908 has been duly filled in, and is appended.

## DISINFECTION.

The total number of houses disinfected was 608. In addition there were also disinfected 39 houses in connection with Phthisis. In 540 instances the infected room or rooms were also stripped and limewashed. In each case the bedding, &c., was removed to the steam disinfector, and thoroughly disinfected.

## DRAINS AND WATER-CLOSETS.

During the year 87 registered complaints were dealt with. They related for the most part to blocked water-closets and drains, and various other nuisances. In each case visits were made, and the nuisance arising therefrom was dealt with by at once serving notices on the responsible party.

In this connection there have also been reported to the Surveyor 55 premises whose sewer connexions were blocked, thus causing a very great nuisance in the back premises.

## FOOD AND DRUGS ACTS.

This has been administered by the Sanitary Inspector, who states that—

During the year 237 samples were submitted to the Public Analyst for analysis. One hundred and thirty-two of these were milk, 85 butter, 3 margarine, 3 paregoric, 1 coffee, 1 coffee and chicory, 3 pepper, 3 camphorated oil, 1 pills (iron), 1 sweet spirit of nitre, 1 vinegar, 2 jam, and 1 mustard. The number certified as being not genuine was 26. In 8 instances of serious adulteration the Health Committee authorised proceedings to be instituted, with the result that in 7 instances the magistrates convicted—one case being withdrawn on payment of costs. In the other instances where the samples had been taken officially, the vendors were cautioned.

The total fines and costs amounted to £22 15s. 0d.



## INSPECTION UNDER THE FACTORY AND WORKSHOP ACT, 1901.

The number of workshops on the register is 215 factories 39. During the year 308 inspections were made and 31 defects met with. These defects related to want of cleanliness, ventilation, overcrowding, and other nuisances. Notices were served requiring the abatement of the nuisances which in each instance have been remedied. Section 22 of the Public Health Acts (Amendment Act) is in force, and in all cases of insufficient or unsuitable sanitary accommodation water-closets are required

With regard to the standard enforced I beg to report that it is the one prescribed by the Home Office in accordance with the "Sanitary Accommodation Order" of the 4th February, 1903. In judging of the sufficiency of closet accommodation the question of adequate urinal accommodation is also considered. A large number of inspections were made of home-workers' premises, which were found generally in a satisfactory condition. In four instances, failure to affix the prescribed Abstract were discovered, and notice to that effect was sent to H.M. Inspector of Factories. Eight defects under section 5 were reported by H.M. Inspector, and notices were served to abate these.

The workshops relate to various kinds of work carried on therein; but bakehouses and establishments where wearing apparel is made constitute a large proportion. There are no underground bakehouses. The workshop laundries number 3, and factory laundries 3.

ANNUAL REPORT UNDER THE CANAL BOATS' ACTS,  
1877 AND 1884. BOAT REPORT, 1908.

The supervision of boats during the year comprised the inspection of 333, as compared with 389 the year preceding. Though, as will be seen, there is a slight falling off in the number of boats inspected, the average is well maintained, standing considerably above the average of earlier years. These inspections represent frequent visits to the Canal, and the slight decrease arises largely from delays on the waterway and trade depression, causing irregularity in the canal traffic. There is a very noticeable improvement in the condition of the boats this year, which is very obvious from a reference to the total number of infringements, viz, only 3%.

It will be noted from the list appended that the infringements actually relating to the boats number only 9, as compared with 27 the previous year, and of these 5 relate to certificates (viz., 4 to production and 1 to renewal of certificate), whilst the infringements having direct relation to the boats were to the extent of only 1·2% as compared with 7% the previous year.

As to the occupants, the contraventions under this head were practically nil, only one case of overcrowding being met with, *i.e.* to the extent of 3%, as against 2% the previous year. The total infringements were 10, as compared with 35 the previous year, and 6 at the corresponding period of 1906, *i.e.* 3%, 9%, and 1·5% for these respective periods.

THE INFRINGEMENTS OF THE ACTS ARE AS FOLLOWS :—

|       |                                    |     |     |     |    |
|-------|------------------------------------|-----|-----|-----|----|
| ( a ) | Registration                       | ... | ... | ... | —  |
| ( b ) | Notifications of change of Master  | ... | ... | ... | —  |
| ( c ) | Certificates                       | ... | ... | ... | 5  |
| ( d ) | Marking                            | ... | ... | ... | —  |
| ( e ) | Overcrowding                       | ..  | ... | ... | 1  |
| ( f ) | Separation of the sexes            | ... | ... | ... | —  |
| ( g ) | Cleanliness                        | ... | ... | ... | —  |
| ( h ) | Ventilation                        | ... | ... | ... | —  |
| ( i ) | Painting                           | ... | ... | ..  | —  |
| ( j ) | Provision of water-cask            | ... | ... | ... | 2  |
| ( k ) | Removal of bilge water             | ... | ... | ... | —  |
| ( l ) | Notification of infectious disease | ... | ... | ... | —  |
| ( m ) | Admittance of Inspector            | ... | ... | ... | —  |
| ( n ) | Leakage in cabins                  | ... | ... | ... | 2  |
|       |                                    |     |     |     | —  |
|       |                                    |     |     |     | 10 |
|       |                                    |     |     |     | —  |



Printed forms are served on the owners specifying the infringements and allowing a number of days in which to remedy. This notice must be returned within the said number of days, signed by an Inspector, certifying that the matter complained of has been remedied. Failing this, proceedings could be instituted. During the year under review evidence, either by notice or otherwise, has been received that the Acts have been complied with in every instance.

No infectious cases occurred on the boats.

Signed

WILLIAM SHAKESPEARE,

Town Clerk.

J. FYLES,

Sanitary Inspector.

## HEALTH VISITOR'S REPORT, 1908.

During the year 1908 2,890 visits have been made.

Sixty-seven unwholesome houses, structural defects, &c., have been reported to the Sanitary Inspector, together with a number of overcrowding cases, the result of 121 house to house visits.

Two hundred and eight insanitary conditions were found in the homes visited, including insufficiently ventilated rooms (caused by closed windows and blocked chimneys), dirty floors and bedding, verminous homes, children wearing verminous clothing, or with verminous heads. Most of these were remedied on a later visit paid to the homes.

The principal cause of the discomfort and untidiness of the homes is due to the mother's ignorance of the best ways of cleaning and cooking. She may be always busy, but her work often proves ineffectual because as she performs one task she creates another, hence the house always presents a neglected and untidy appearance.

Another thing which strikes one is, that the amount of washing and the number of washing days are no guarantee that the houses are kept clean.

Method again is woefully lacking.

In most of the homes I am referring to the washing is dried indoors. In winter from necessity, in summer because the washing is not commenced until late in the day, hence the outdoor drying is over.

When we remember that all these clothes have to be dried in the room in which the family live, and in many cases where they sleep, it is not a surprising fact that many children, and especially babies, catch cold.

Chronic ailments and deaths are the natural results of this damp steaming atmosphere.

Not only is the family washing done, but washing is often taken in. If people saw the conditions under which some of this washing was done, they would be more scrupulous in sending it out. One can easily conjecture how disease may be spread.



The total number of infants visited was 2,490 ; 1,135 were first visits, and 1,355 were re-visits.

#### RESULTS.

|                       |     |     |     |     |
|-----------------------|-----|-----|-----|-----|
| Breast fed            | ... | ... | ... | 996 |
| Bottle fed            | ... | ... | ... | 93  |
| Breast and bottle fed | ... | ... | ... | 46  |

The number of boat shaped bottles is certainly increasing in the district.

These, however, are often abused. If the regulator is lost a cork usually replaces it. This is seldom properly cleaned, and so the milk is contaminated.

Some mothers are under the impression that unless harmful effects are immediate, the food given to the baby is suitable.

A four months' old baby was fed on a diet of roast pork and boiled bread, because it enjoyed it.

It was not until the baby became seriously ill, and the doctor called in, that she altered the diet.

Sore eyes are very prevalent among the poorer classes.

It is exceedingly difficult to induce the mothers to treat these rationally. They still adhere to the old-fashioned and superstitious remedies recommended by certain midwives in whom they have implicit confidence.

One popular remedy is to squirt milk in the baby's eyes.

Many mothers, after having been induced to bathe the eyes, will not take the trouble to use a clean rag each time, they employ dirty rags which aggravate instead of alleviate the complaint.

Since the Early Notification of Births' Act has come into operation, it has been possible to visit all the infants within a fortnight of birth. By doing so, mistakes in feeding have been remedied, and valuable advice given at this early stage, which must have produced good results.

## STREET LIST OF SCARLET FEVER.

## JANUARY.

7 Melbourne road  
 124 Cambridge road  
 366 Stoney lane  
 Back 50 S. George street  
 Chances cottages  
 19 Middlemore road  
 2 Market street  
 10 Sabel road  
 215 Montague road  
 25 Melbourne avenue  
 22 Highbury road  
 6 Victoria avenue  
 43 New street  
 17 Union street  
 50 Dibble road  
 3 Sloe lane  
 17 Bertram road  
 11 Ada grove, Cape hill  
 75 Cross street  
 80 Edith road  
 5 Park retreat  
 3 Wells street  
 53 Edgbaston road  
 76 Waterloo road  
 119 Unett street  
 59 Bearwood road  
 36 High street  
 61 S. Mary's road  
 88 Cape hill  
 Cape of good hope inn  
 18 Clifford road  
 140 Gilbert road  
 26 Fawdry street  
 99 Florence road  
 425 Oldbury road  
 100 Lightwoods road  
 Thomas street  
 139 Raglan road  
 10 Florence road

## FEBRUARY.

75 Halford street  
 109 Rabone lane  
 11 Brisbane road  
 197 Windmill lane  
 4 Sydenham road  
 428 Oldbury road  
 194 Lightwoods road  
 16 Hume street  
 Carlton road  
 5 Lime grove  
 103 Cambridge road

5 Park retreat  
 31 Landon street  
 9 Cemetery road  
 155 Florence road  
 44 Tiverton road  
 119 Unett street  
 Cape of good hope inn  
 72 Hume street  
 Back 279 Oldbury road  
 16 Bertram road  
 19 Brewery street  
 380 Bearwood road  
 32 Mornington terrace  
 10 Loxley road  
 110 Cape hill  
 20 Victoria gardens  
 52 Montague road  
 10 Whitehall road  
 2 Melbourne road  
 93 Rosefield road  
 24 Westfield road  
 76 Wills street  
 26 Church road  
 176 Merivale road  
 138 Uplands

## MARCH.

15 Rosebery road  
 84 Salisbury road  
 24 Wellington road  
 13 Park hill road  
 108 Florence road  
 81 Windmill lane  
 96 Sabel road  
 110 Three shires oak road  
 50 Reginald road  
 39 Unett street  
 20 Shireland road  
 6 Spon lane  
 156 Milcote road  
 6 Fawdry street  
 1 Clent villa, Gilbert road  
 121 Waterloo road  
 268 Bearwood road  
 Spout house  
 13 Park hill road  
 6 Claremont road  
 21 Salisbury road  
 Soho street  
 108 Florence road  
 15 Oliver road  
 15b Milcote road  
 53 Edgbaston road



STREET LIST OF SCARLET FEVER - *continued.*

95 S. George's street  
 274 High street  
 24 Wellington road  
 3 Weston road  
 258 Montague road  
 Ada grove, Cape hill  
 1 Trafalgar terrace  
 18 Dawson street  
 21 Victoria park road  
 108 Marshall street  
 12 Laurel grove  
 6 Grantham road  
 3 Sharrow grove  
 26 Gladys road

## APRIL.

50 George street  
 9 Marlboro' road  
 17 Woodlands street  
 72 Salisbury road  
 6 Ryland terrace  
 372 High street  
 64 Marshall street  
 75 Cheshire road  
 56 Mallin street  
 16 London street  
 142 St. George street  
 12 Stoney street  
 3 Rupert avenue  
 243 Montague road  
 11 Brasshouse lane  
 118 Lewisham road  
 40 Windmill Lane  
 77 Edith Road  
 128 Dibble road  
 21 John street  
 29 Church street  
 32 High park road  
 11 Back Helena street  
 166 Grove lane  
 138 Baldwin street  
 1 Topsham road  
 5 Back 9 Hume street  
 Mona avenue  
 7 Pool road  
 242 Montague road  
 28 Florence road  
 69 Bearwood road

## MAY.

19 Florence road  
 6 Laundry road  
 Bearwood road

Back 117 Cape hill  
 9 Regent street  
 28 Florence road  
 100 Trafalgar road  
 37 Uplands  
 26 Church road  
 34 Holly lane  
 19 Edith road  
 19 Bertram road  
 25 Rosebery road  
 77 Cambridge road  
 1 Edward road  
 11 Back Helena place  
 21 Belmont road  
 68 Corbett street  
 191 Windmill lane  
 98 Great Arthur street  
 93 Gladys road  
 Montague road  
 36 Mornington road  
 167 Milcote road  
 48 Crocketts lane  
 155 Rolfe street  
 46 Gilbert road

## JUNE.

82 Crocketts lane  
 3 John street  
 41 Reynolds street  
 26 Unett street  
 121 Florence road  
 121 Florence road  
 Bearwood road  
 75 Shire oaks road  
 38 Lewisham road  
 13 Harding street  
 58 Poplar street  
 65 Cheshire road  
 33 Cranford street  
 70 Ethel street  
 27 Park hill road  
 29 Mafeking road  
 109 Sabel road  
 20 Back 115 Price street  
 14 Bolham road  
 34 Sabel road  
 12 Poplar road  
 3 Laurel grove, Cape hill  
 39 Reynolds street  
 48 South view, Unett street  
 2 Sloe lane  
 95 Baldwin street  
 223 Halfords lane

STREET LIST OF SCARLET FEVER—*continued.*

3 Corser street  
6 James street  
324 Stoney lane

## JULY.

14 St. Matthew's road  
43 Upper Grove street  
8 Park avenue, Ballott street  
9 Unett street  
41 St. Paul's road  
7 Sabel road  
2 Bishopton road  
83 Montague road  
37 Baldwin street  
635 Bearwood road  
5 Rawlings road  
30 Halfords street  
121 Lewisham road  
1 Corser street  
24 Mafeking road  
24 Windmill lane  
14 South road  
15 Sandwell buildings  
34 Holly lane  
96 Woodlands street  
24 St. Mary's road  
8 Lower Cross street  
40 Weston road  
37 Clifford road  
70 Ballott Street  
26 Gladys road  
19 Bridge street west  
8 Belmont road  
16 Cape hill  
331 Oldbury road  
102 Raglan road  
11 Park avenue, Parkes street  
80 Rabone lane  
12 Landale road  
Heathfield, Edgbaston road  
77 Lindon road  
76 Reynolds street  
68 Trafalgar road  
12 Prince Albert terrace

## AUGUST.

6 Lime grove, Florence road  
59 Unett street  
5 Union passage  
12 Prince Albert terrace  
11 Regent street  
125 Bearwood road  
113 Edith road

78 Sabel road  
3 Milcote road  
16 Back 31 Cranford street  
3 Vince street  
12 Corbett street  
105 Salisbury road  
14 Raglan road  
9 Mallin street  
6 Brook street  
34 Reynolds street  
66 Rawlings street  
99 Rosefield road  
276 Montague road  
120 Rolfe street  
77 Gladys road  
6 Ethel street  
70 Raglan road  
88 Windmill lane  
125 Bearwood road  
4 Oxford road  
41 Wills street  
43 Upper grove street  
22 Talbot road

## SEPTEMBER,

5 Laundry road  
30 Poplar road  
330 High street  
12 Mafeking road  
Back 32 Poplar street  
63 Edgbaston road  
30 Edith road  
142 Waterloo road  
57 Church lane  
77 Gladys road  
13 Tiverton road  
102 Raglan road  
1 S. Matthew's road  
35 Watery lane  
13 Feeder street  
6 Murdock road  
66 Upper grove street  
39 Talbot road  
143 Oxford road  
72 George street west  
4 New street  
5 Clifford road  
3 Park avenue, Suffrage street  
14 Ethel street  
14 Carver street  
64 Ballott street  
141 Sycamore road  
331 Oldbury road



STREET LIST OF SCARLET FEVER—*continued.*

79 Rabone lane  
 10 Lightwoods view  
 17 Hume street  
 11 Shireland road  
 32 Florence road  
 41 Dawson street  
 31 Vince street  
 118 Lewisham road  
 Back 48 Victoria park road  
 11 Baldwin street  
 53 Dibble road  
 9 Marlboro road  
 22 Corbett street  
 361 High street  
 76 Milcote road  
 Back 48 High street  
 207 Cape hill  
 26 Queen street  
 41 Montague road

## OCTOBER.

3 Back 14 Baldwin street  
 77 Linden road  
 7 Pearman road  
 41 Montague road  
 8 Middlemore road  
 29 Whitehall road  
 488 Bearwood road  
 73 Shireland road  
 76 Milcote road  
 33 Rosebery road  
 Holly lane hospital  
 14 Ada road  
 41 Montague road  
 Old Tavern House  
 15 Marlboro road  
 87 Shireland road  
 95 Edith road  
 130 St. Paul's road  
 11 Exeter road  
 153 Rosefield road  
 140 Sycamore road  
 33 Dawson street  
 3 Raglan avenue  
 130 Cheshire road  
 10 Middlemore avenue  
 7 Marshall street  
 9 Rawlings road  
 53 Claremont road  
 London street, old tube works  
 99 Corbett street  
 117 Londonderry lane  
 31 Jubilee avenue

71 Mornington road  
 15 Cutler street  
 14 Ada road  
 40 Marlboro road

## NOVEMBER.

52 Rosebery road  
 5 Spring gardens, Gilbert road  
 94 Gilbert road  
 6 Cedar grove, Cape hill  
 41 Mills street  
 31 Mafeking road  
 19 Ada road  
 142 Marlboro road  
 21 Bampton road  
 142 Waterloo road  
 4 Oxford road  
 69 Edgbaston road  
 9 Pearman road  
 54 Rawlings street  
 6 Upper grove street  
 Bearwood road  
 14 Ethel street  
 17 Hume street  
 Ivy place, Wills street  
 53 Montague road  
 15 Watts road  
 12 Dale street  
 120 Montague road  
 13 Ada road  
 15 Reginald street  
 25 Church road  
 25 Unett street  
 2 Lightwoods road  
 121 Rosefield road  
 6 Cedar grove  
 93 Baldwin street

## DECEMBER.

2 Howard street  
 90 Cape hill  
 61 Bridge street  
 37 Corbett street  
 71 Pool road  
 103 Gilbert road  
 111 Montague road  
 63 Church road  
 29 Whitehall road  
 69 Windmill lane  
 42 Gladys road  
 38 Reynolds street  
 The Elms, S. Paul's road  
 471 Bearwood road

STREET LIST OF SCARLET FEVER—*continued.*

Back 194 Windmill lane  
 107 Woodlands street  
 44 Waterloo road  
 Back 44 Wills street

49 Grove lane  
 3 Bampton road  
 92 Shireland road

## STREET LIST OF DIPHTHERIA.

## JANUARY.

99 Bearwood road  
 120 Waterloo road  
 96 Raglan road  
 434 High street  
 29 Rosefield road  
 6 Baldwin street  
 67 Oldbury road  
 78 Gilbert road  
 103 Edith road

## FEBRUARY.

197 Windmill lane  
 428 Oldbury road  
 194 Lightwoods road  
 55 Pool road  
 52 Montague road  
 25 Trafalgar road  
 16 London street

## MARCH.

19 Rosebery road  
 57 Church road  
 39 Unett street  
 98 Edith road  
 17 Victoria gardens  
 181 Montague road  
 57 Church lane  
 27 Jubilee avenue  
 32 High park road  
 97 Lightwoods road

## APRIL.

3 Park hill road  
 7 Marlboro road  
 71 Church lane  
 154 Grove lane  
 110 Sabel road  
 43 Shireland road  
 3 Rupert avenue

32 High park road  
 81 Ada road  
 56 Shireland road  
 8 Exeter road

## MAY.

28 Salisbury road  
 134 Uplands  
 8 Salisbury road  
 8 Exeter road  
 26 Church road  
 5 Alma street  
 Montague road  
 194 Cheshire road  
 18 Clifford road  
 6 Baldwin street

## JUNE.

11 Dawson street  
 96 St. Paul's road  
 166 Lightwoods road  
 70 Ethel street  
 27 Park hill road  
 6 Poplar place  
 18 Raglan avenue  
 384 St. Paul's road

## JULY.

6 Vince street  
 37 Bertram road  
 110 Florence road  
 75 Cheshire road  
 384 S. Paul's road  
 110 Florence road  
 24 Windmill lane  
 11 Chatwin street  
 75 Vicarage road  
 167 Cape hill  
 34 Reynolds street  
 12 Prince Albert terrace



STREET LIST OF DIPHTHERIA—*continued.*

## AUGUST.

37 Warley road  
140 Waterloo road  
49 Thomas street  
39 Reynolds street  
44 Woodlands street  
1 Victoria avenue  
30 Poplar street

67 Florence road  
95 Edith road  
Old farm, Price street  
33 Sycamore road

## NOVEMBER.

3 Wellington road

## SEPTEMBER.

9 Oliver road  
59 Upper grove street  
6 Edith road  
105 Edith road  
40 Holly lane

## DECEMBER.

109 Unett road  
56 Edith road  
114 Shireland road  
182 Grove lane  
71 Pool road  
119 Rosefield road  
47 Thomas street

## OCTOBER.

230 S. Paul's road

## STREET LIST OF TYPHOID FEVER.

## JANUARY.

17 High park road  
58 Bolham road

## FEBRUARY.

109 Rabone lane

## MARCH.

169 Montague road  
13 Stone street  
191 Cape hill

## APRIL.

341 Stoney lane  
50 Victoria park road  
58 Lower cross street  
82 Corbett street  
348 Bearwood road  
34 Weston street

## JUNE.

6 Park retreat, Suffrage street

## JULY.

Price street  
179 High park road

## AUGUST.

48 Victoria street  
9 Marshall street  
Forge tavern, Rolfe street  
54 Dibble road

## SEPTEMBER.

20 Hawthorne street

## OCTOBER.

56 Bridge street  
135 Florence road  
6 Bearwood road

## NOVEMBER.

53 Montague road

## DECEMBER.

47 Halfords street  
105 Rosefield road  
12 Sherwood road





TABLE I.  
THE COUNTY BOROUGH OF SMETHWICK, IN THE COUNTY OF STAFFORD.  
FOR WHOLE DISTRICT.

| YEAR.                         | Population estimated to middle of each Year. | BIRTHS. |       | DEATHS UNDER ONE YEAR OF AGE |                                   | DEATHS AT ALL AGES. TOTAL. |       | 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. | Nett Deaths at all Ages belonging to the District. |       |
|-------------------------------|----------------------------------------------|---------|-------|------------------------------|-----------------------------------|----------------------------|-------|------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|-------|
|                               |                                              | Number. | Rate. | Number.                      | Rate per 1,000 Births registered. | Number.                    | Rate. |                                                      |                                                                            |                                                                            | Number.                                            | Rate. |
| 1                             | 2                                            | 3       | 4     | 5                            | 6                                 | 7                          | 8     | 9                                                    | 10                                                                         | 11                                                                         | 12                                                 | 13    |
| 1893                          | 38,500                                       | 1446    | 37.5  | 259                          | 179.1                             | 676                        | 17.5  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1894                          | 39,500                                       | 1396    | 35.3  | 208                          | 149.1                             | 611                        | 15.2  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1895                          | 41,000                                       | 1503    | 36.6  | 213                          | 141.6                             | 592                        | 14.4  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1896                          | 43,000                                       | 1546    | 35.9  | 260                          | 168.1                             | 723                        | 16.8  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1897                          | 45,000                                       | 1657    | 36.7  | 280                          | 168.9                             | 756                        | 16.8  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1898                          | 50,000                                       | 1724    | 34.4  | 273                          | 158                               | 742                        | 14.8  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1899                          | 51,500                                       | 1856    | 36.03 | 332                          | 179                               | 780                        | 15.1  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1900                          | 55,700                                       | 1859    | 33.3  | 304                          | 160                               | 872                        | 15.6  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1901                          | 54,560                                       | 1895    | 34.7  | 323                          | 170                               | 815                        | 14.9  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1902                          | 54,700                                       | 1974    | 35.44 | 252                          | 127                               | 773                        | 13.8  |                                                      |                                                                            |                                                                            |                                                    |       |
| Averages for years 1893-1902. | 47,146                                       | 1,685   | 35.9  | 270                          | 160                               | 734                        | 15.5  |                                                      |                                                                            |                                                                            |                                                    |       |
| 1903                          | 58,000                                       | 1980    | 34.1  | 278                          | 140                               | 756                        | 14.1  | 1                                                    | ...                                                                        | 63                                                                         | 819                                                | 14.1  |
| 1904                          | 61,000                                       | 1,956   | 32.06 | 285                          | 145.6                             | 719                        | 11.7  | ...                                                  | ...                                                                        | 91                                                                         | 810                                                | 13.2  |
| 1905                          | 63,000                                       | 1,910   | 30.3  | 266                          | 139                               | 772                        | 12.2  | ...                                                  | ...                                                                        | 93                                                                         | 865                                                | 15.0  |
| 1906                          | 65,000                                       | 2,027   | 31.2  | 264                          | 130                               | 853                        | 13.1  | ...                                                  | ...                                                                        | 98                                                                         | 951                                                | 14.6  |
| 1907                          | 67,000                                       | 1,973   | 29.4  | 232                          | 116                               | 793                        | 11.8  | 3                                                    | 1                                                                          | 99                                                                         | 892                                                | 14.34 |
| 1908                          | 69,500                                       | 2,088   | 30.0  | 284                          | 135                               | 820                        | 11.79 | 12                                                   | 3                                                                          | 115                                                                        | 931                                                | 14.5  |

|                                                                           |                                                                                                                             |                          |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Area of District in Acres (exclusive of area covered by water)... } 1,929 | Total population at all ages ... 54,560<br>Number of inhabited houses ... 11,732<br>Average number of persons per house 4.7 | At<br>Census of<br>1901. |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|

Institutions within the District receiving sick and infirm persons from outside the District:—Smethwick and Oldbury Joint Isolation Hospital.  
 Institutions outside the District receiving sick and infirm persons from the District:—The General Hospital, Queen's Hospital, Children's Hospital, Birmingham; King's Norton Union Infirmary, South Staffordshire Small-Pox Hospital, Moxley.  
 Is the Union Workhouse within the District? No.

TABLE I.  
OF THE COUNTY BOROUGH  
FOR WHOLE DISTRICT.

| Year.                              | Total<br>Deaths<br>in the<br>District. | Population<br>estimated to<br>be in the<br>middle of<br>each Year. | Deaths at all Ages. |                              | Deaths under<br>Age of 5. |                              |
|------------------------------------|----------------------------------------|--------------------------------------------------------------------|---------------------|------------------------------|---------------------------|------------------------------|
|                                    |                                        |                                                                    | Number.             | Rate per<br>1,000<br>living. | Number.                   | Rate per<br>1,000<br>living. |
| 1898                               | 1,001                                  | 69,500                                                             | 2,088               | 3.00                         | 560                       | 0.80                         |
| 1907                               | 1,007                                  | 69,000                                                             | 2,078               | 3.01                         | 534                       | 0.77                         |
| 1906                               | 1,006                                  | 69,000                                                             | 2,027               | 2.94                         | 512                       | 0.74                         |
| 1905                               | 1,005                                  | 68,000                                                             | 2,010               | 2.96                         | 503                       | 0.74                         |
| 1904                               | 1,004                                  | 67,000                                                             | 1,956               | 2.92                         | 481                       | 0.72                         |
| 1903                               | 1,008                                  | 67,000                                                             | 1,980               | 2.96                         | 481                       | 0.72                         |
| 1902                               | 1,002                                  | 67,000                                                             | 1,974               | 2.95                         | 444                       | 0.66                         |
| 1901                               | 1,001                                  | 67,000                                                             | 1,895               | 2.83                         | 417                       | 0.62                         |
| 1900                               | 1,000                                  | 67,000                                                             | 1,853               | 2.77                         | 403                       | 0.60                         |
| 1899                               | 1,003                                  | 67,000                                                             | 1,856               | 2.77                         | 390                       | 0.58                         |
| 1898                               | 1,008                                  | 67,000                                                             | 1,724               | 2.57                         | 344                       | 0.51                         |
| 1897                               | 1,007                                  | 67,000                                                             | 1,657               | 2.47                         | 337                       | 0.50                         |
| 1896                               | 1,000                                  | 67,000                                                             | 1,616               | 2.41                         | 325                       | 0.49                         |
| 1895                               | 1,000                                  | 67,000                                                             | 1,503               | 2.24                         | 286                       | 0.43                         |
| 1894                               | 1,004                                  | 67,000                                                             | 1,183               | 1.77                         | 238                       | 0.36                         |
| 1893                               | 1,003                                  | 67,000                                                             | 1,146               | 1.71                         | 219                       | 0.33                         |
| Averages<br>for years<br>1893-1907 |                                        | 67,416                                                             | 1,885               | 2.80                         | 503                       | 0.75                         |

Is the Union Workhouse within the District?  
Children's Hospital, Birmingham.  
Institutions outside the District receiving sick  
Isolation Hospital.  
Institutions within the District receiving sick  
persons (covered by water).  
(exclusive of houses  
not included in the  
Area of District in 1907)



TABLE II.  
THE COUNTY BOROUGH OF SMETHWICK.

THE COUNTY BOROUGH OF SMETHWICK.

| Names of Localities.         | 1.—SPON LANE WARD.                           |                    |                     |                      | 2.—SANDWELL WARD.                            |                    |                     |                      | 3.—UPLANDS WARD.                             |                    |                     |                      | 4.—BEARWOOD WARD.                            |                    |                     |                      | 5.—VICTORIA WARD.                            |                    |                     |                      | 6.—SOHO WARD.                                |                    |                     |                      |
|------------------------------|----------------------------------------------|--------------------|---------------------|----------------------|----------------------------------------------|--------------------|---------------------|----------------------|----------------------------------------------|--------------------|---------------------|----------------------|----------------------------------------------|--------------------|---------------------|----------------------|----------------------------------------------|--------------------|---------------------|----------------------|----------------------------------------------|--------------------|---------------------|----------------------|
| Year.                        | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. |
| Population of Borough—54,560 |                                              |                    |                     |                      |                                              |                    |                     |                      |                                              |                    |                     |                      |                                              |                    |                     |                      |                                              |                    |                     |                      |                                              |                    |                     |                      |
| 1901 ...                     |                                              |                    | 182                 | 43                   |                                              |                    | 176                 | 85                   |                                              |                    | 57                  | 21                   |                                              |                    | 166                 | 65                   |                                              |                    | 183                 | 46                   |                                              |                    | 151                 | 68                   |
| 1902 ...                     | 7761                                         |                    | 112                 | 34                   | 9556                                         |                    | 170                 | 58                   | 4112                                         |                    | 60                  | 18                   | 18979                                        |                    | 155                 | 51                   | 9665                                         |                    | 180                 | 48                   | 9472                                         |                    | 146                 | 43                   |
| 1903 ...                     |                                              |                    | 110                 | 40                   |                                              |                    | 163                 | 54                   |                                              |                    | 57                  | 19                   |                                              |                    | 180                 | 54                   |                                              |                    | 189                 | 44                   |                                              |                    | 170                 | 69                   |
| 1904 ...                     |                                              |                    | 180                 | 46                   |                                              |                    | 155                 | 62                   |                                              |                    | 62                  | 15                   |                                              |                    | 151                 | 51                   |                                              |                    | 153                 | 56                   |                                              |                    | 159                 | 55                   |
| 1905 ...                     |                                              |                    | 125                 | 40                   |                                              |                    | 184                 | 56                   |                                              |                    | 51                  | 12                   |                                              |                    | 195                 | 50                   |                                              |                    | 138                 | 52                   |                                              |                    | 172                 | 56                   |
| 1906 ...                     | 10,550                                       |                    | 146                 | 42                   | 9,555                                        |                    | 182                 | 57                   | 5,475                                        |                    | 57                  | 12                   | 19,895                                       |                    | 231                 | 53                   | 10,455                                       |                    | 176                 | 45                   | 10,180                                       |                    | 159                 | 55                   |
| 1907 ...                     | 11,065                                       |                    | 149                 | 29                   | 9,695                                        |                    | 175                 | 58                   | 5,860                                        |                    | 64                  | 14                   | 21,055                                       |                    | 213                 | 53                   | 10,945                                       |                    | 185                 | 34                   | 10,245                                       |                    | 156                 | 44                   |
| 1908 ...                     | 11,165                                       |                    | 150                 | 45                   | 9,795                                        |                    | 186                 | 58                   | 5,750                                        |                    | 76                  | 23                   | 21,605                                       |                    | 202                 | 49                   | 11,035                                       |                    | 154                 | 49                   | 10,075                                       |                    | 163                 | 55                   |





TABLE III.  
THE COUNTY BOROUGH OF SMETHWICK.  
CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1908.

| NOTIFIABLE DISEASE. | CASES NOTIFIED IN WHOLE DISTRICT. |               |        |         |          |          |                 | TOTAL CASES NOTIFIED IN EACH LOCALITY. |                |               |                |                |            |         | NO OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY. |                |               |                |                |            |         |
|---------------------|-----------------------------------|---------------|--------|---------|----------|----------|-----------------|----------------------------------------|----------------|---------------|----------------|----------------|------------|---------|-----------------------------------------------------|----------------|---------------|----------------|----------------|------------|---------|
|                     | At all Ages.                      | At Ages—Years |        |         |          |          |                 | 1                                      | 2              | 3             | 4              | 5              | 6          | TOTALS. | 1                                                   | 2              | 3             | 4              | 5              | 6          | TOTALS. |
|                     |                                   | Under 1       | 1 to 5 | 5 to 15 | 15 to 25 | 25 to 65 | 65 and up-wards | SPON LANE WARD.                        | SANDWELL WARD. | UPLANDS WARD. | BEARWOOD WARD. | VICTORIA WARD. | SORO WARD. |         | SPON LANE WARD.                                     | SANDWELL WARD. | UPLANDS WARD. | BEARWOOD WARD. | VICTORIA WARD. | SORO WARD. |         |
| Small-pox ...       | ...                               | ...           | ...    | ...     | ...      | ...      | ...             | ...                                    | ...            | ...           | ...            | ...            | ...        | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Cholera ...         | ...                               | ...           | ...    | ...     | ...      | ...      | ...             | ...                                    | ...            | ...           | ...            | ...            | ...        | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Diphtheria ...      | 111                               | 1             | 18     | 63      | 12       | 17       | ...             | 10                                     | ...            | 8             | 43             | 19             | 31         | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Membranous Croup    | 2                                 | ...           | 1      | 1       | ...      | ...      | ...             | ...                                    | ...            | 1             | 1              | ...            | ...        | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Erysipelas ...      | 54                                | 1             | 1      | 2       | 8        | 37       | 5               | 7                                      | 4              | 7             | 15             | 9              | 12         | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Scarlet fever ...   | 618                               | 7             | 161    | 369     | 41       | 40       | ...             | 57                                     | 68             | 20            | 266            | 88             | 118        | ...     | 24                                                  | 24             | 10            | 129            | 39             | 60         | 286     |
| Typhus fever ...    | ...                               | ...           | ...    | ...     | ...      | ...      | ...             | ...                                    | ...            | ...           | ...            | ...            | ...        | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Enteric fever ...   | 31                                | ...           | 2      | 6       | 9        | 14       | ...             | 10                                     | 2              | ...           | 8              | 8              | 3          | ...     | 6                                                   | 1              | ...           | 2              | ...            | 1          | 10      |
| Relapsing fever ... | ...                               | ...           | ...    | ...     | ...      | ...      | ...             | ...                                    | ...            | ...           | ...            | ...            | ...        | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Continued fever ... | ...                               | ...           | ...    | ...     | ...      | ...      | ...             | ...                                    | ...            | ...           | ...            | ...            | ...        | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Puerperal fever ... | 3                                 | ...           | ...    | ...     | 1        | 2        | ...             | 1                                      | 1              | ...           | ...            | ...            | 1          | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Plague ...          | ...                               | ...           | ...    | ...     | ...      | ...      | ...             | ...                                    | ...            | ...           | ...            | ...            | ...        | ...     | ...                                                 | ...            | ...           | ...            | ...            | ...        | ...     |
| Totals ...          | 819                               | 9             | 183    | 441     | 71       | 110      | 5               | 85                                     | 75             | 36            | 332            | 124            | 165        | ...     | 30                                                  | 25             | 10            | 131            | 39             | 61         | 296     |

ISOLATION HOSPITALS—SOUTH STAFFORDSHIRE JOINT SMALL POX HOSPITAL, MOXLEY  
SMETHWICK AND OLDBURY JOINT ISOLATION HOSPITAL.

TOTAL AVAILABLE BEDS, 40.      NUMBER OF DISEASES THAT CAN BE CONCURRENTLY TREATED—SCARLET FEVER AND TYPHOID FEVER.

TABLE III.

THE COUNTY BOROUGH OF SMETHWICK.  
 CASES OF DISEASE NOTIFIED DURING THE YEAR

| Notifiable Diseases. | Cases Notified in Division during the Year |                 |                 |                 |                 |
|----------------------|--------------------------------------------|-----------------|-----------------|-----------------|-----------------|
|                      | At all Ages.                               | Under 15 Years. | 15 to 25 Years. | 25 to 45 Years. | 45 to 65 Years. |
| Small-pox            | ...                                        | ...             | ...             | ...             | ...             |
| Cholera              | ...                                        | ...             | ...             | ...             | ...             |
| Diphtheria           | 111                                        | 1               | 181             | 63              | 121             |
| Membranous Croup     | 2                                          | ...             | 1               | 1               | ...             |
| Erysipelas           | 54                                         | 1               | 1               | 2               | 88              |
| Scarlet fever        | 618                                        | 7               | 1615            | 369             | 404             |
| Typhus fever         | ...                                        | ...             | ...             | ...             | ...             |
| Enteric fever        | 81                                         | 2               | 21              | 6               | 91              |
| Relapsing fever      | ...                                        | ...             | ...             | ...             | ...             |
| Continued fever      | ...                                        | ...             | ...             | ...             | ...             |
| Puerperal fever      | 8                                          | 1               | 1               | ...             | 1               |
| Plague               | ...                                        | ...             | ...             | ...             | ...             |
| Totals               | 818                                        | 97              | 168             | 444             | 711             |

STAFFORDSHIRE JOINT SMALL POX HOSPITAL  
 SMETHWICK AND OLDBURY JOINT ISOLATION HOSPITAL  
 TOTAL AVAILABLE BEDS FOR TREATMENT



**TABLE IV.**  
**THE COUNTY BOROUGH OF SMETHWICK.**  
**CAUSES OF, AND AGES AT, DEATH DURING THE YEAR 1908.**

| CAUSES OF DEATH.                      | DEATHS IN WHOLE DISTRICT AT<br>SUBJOINED AGES. |          |                  |                   |                    |                    |                      | DEATHS IN LOCALITIES<br>(AT ALL AGES). |                   |                  |                   |                   |            | DEATHS<br>IN<br>PUBLIC<br>INSTITU-<br>TIONS. |
|---------------------------------------|------------------------------------------------|----------|------------------|-------------------|--------------------|--------------------|----------------------|----------------------------------------|-------------------|------------------|-------------------|-------------------|------------|----------------------------------------------|
|                                       | All Ages.                                      | Under 1. | 1 and under<br>5 | 5 and under<br>15 | 15 and under<br>25 | 25 and under<br>65 | 65 and up-<br>wards. | SPON LANE<br>WARD.                     | SANDWELL<br>WARD. | UPLANDS<br>WARD. | BEARWOOD<br>WARD. | VICTORIA<br>WARD. | SOHO WARD. |                                              |
| Small Pox ... ..                      | ...                                            | ...      | ...              | ...               | ...                | ...                | ...                  | ...                                    | ...               | ...              | ...               | ...               | ...        | ...                                          |
| Measles ... ..                        | 1                                              | ...      | 1                | ...               | ...                | ...                | ...                  | ...                                    | ...               | ...              | 1                 | ...               | ...        | ...                                          |
| Scarlet Fever... ..                   | 18                                             | 1        | 9                | 8                 | ...                | 1                  | ...                  | 6                                      | 3                 | ...              | 1                 | 5                 | 3          | ...                                          |
| Whooping-cough ... ..                 | 28                                             | 8        | 16               | 4                 | ...                | ...                | ...                  | 5                                      | 3                 | 4                | 7                 | 5                 | 4          | ...                                          |
| Diphtheria and Membranous croup       | 8                                              | ...      | 3                | 5                 | ...                | ...                | ...                  | 2                                      | 1                 | ...              | 2                 | 1                 | 2          | ...                                          |
| Croup... ..                           | 2                                              | ...      | 1                | 1                 | ...                | ...                | ...                  | 1                                      | ...               | ...              | 1                 | ...               | ...        | ...                                          |
| Fever { Typhus ... ..                 | ...                                            | ...      | ...              | ...               | ...                | ...                | ...                  | ...                                    | ...               | ...              | ...               | ...               | ...        | ...                                          |
| Enteric ... ..                        | 4                                              | ...      | ...              | ...               | 1                  | 3                  | ...                  | 2                                      | 1                 | ...              | 1                 | ...               | ...        | ...                                          |
| Other continued ... ..                | ...                                            | ...      | ...              | ...               | ...                | ...                | ...                  | ...                                    | ...               | ...              | ...               | ...               | ...        | ...                                          |
| Epidemic influenza ... ..             | 14                                             | ...      | 1                | 1                 | ...                | 8                  | 4                    | 4                                      | 1                 | 3                | 3                 | 1                 | 2          | ...                                          |
| Cholera ... ..                        | ...                                            | ...      | ...              | ...               | ...                | ...                | ...                  | ...                                    | ...               | ...              | ...               | ...               | ...        | ...                                          |
| Plague ... ..                         | ...                                            | ...      | ...              | ...               | ...                | ...                | ...                  | ...                                    | ...               | ...              | ...               | ...               | ...        | ...                                          |
| Diarrhœa ... ..                       | 71                                             | 60       | 11               | ...               | ...                | ...                | ...                  | 5                                      | 16                | 6                | 8                 | 14                | 22         | ...                                          |
| Enteritis ... ..                      | 11                                             | ...      | 1                | ...               | ...                | 3                  | 7                    | 2                                      | 3                 | 1                | 1                 | 2                 | 2          | ...                                          |
| Puerperal fever ... ..                | 3                                              | ...      | ...              | ...               | 1                  | 2                  | ...                  | 1                                      | 1                 | ...              | ...               | ...               | 1          | ...                                          |
| Erysipelas ... ..                     | 1                                              | ...      | ...              | ...               | ...                | 1                  | ...                  | ...                                    | ...               | ...              | 1                 | ...               | ...        | ...                                          |
| Other septic diseases... ..           | ...                                            | ...      | ...              | ...               | ...                | ...                | ...                  | ...                                    | ...               | ...              | ...               | ...               | ...        | ...                                          |
| Phthisis (Pulmonary tuberculosis) ... | 60                                             | 1        | 3                | 1                 | 10                 | 44                 | 1                    | 11                                     | 18                | 2                | 15                | 9                 | 5          | ...                                          |
| Other tuberculosis diseases ... ..    | 37                                             | 17       | 12               | 3                 | 1                  | 4                  | ...                  | 7                                      | 10                | 4                | 7                 | 4                 | 5          | ...                                          |
| Cancer, malignant disease ... ..      | 49                                             | ...      | ...              | ...               | 1                  | 32                 | 16                   | 10                                     | 12                | 3                | 9                 | 9                 | 6          | ...                                          |
| Bronchitis ... ..                     | 96                                             | 22       | 12               | ...               | 2                  | 23                 | 37                   | 14                                     | 20                | 4                | 27                | 16                | 15         | ...                                          |
| Pneumonia ... ..                      | 88                                             | 27       | 22               | 5                 | 5                  | 22                 | 7                    | 11                                     | 19                | 10               | 14                | 14                | 20         | ...                                          |
| Pleurisy ... ..                       | 4                                              | ...      | ...              | ...               | ...                | 3                  | 1                    | 1                                      | ...               | ...              | 1                 | 2                 | ...        | ...                                          |
| Other diseases of Respiratory Organs  | 6                                              | 2        | ...              | 2                 | ...                | ...                | 2                    | 1                                      | ...               | ...              | 2                 | 1                 | 2          | ...                                          |
| Alcoholism—Cirrhosis of liver ... ..  | 5                                              | ...      | ...              | ...               | ...                | 5                  | ...                  | 2                                      | 2                 | ...              | ...               | ...               | 1          | ...                                          |
| Venereal diseases ... ..              | 8                                              | 6        | ...              | ...               | ...                | 2                  | ...                  | ...                                    | 2                 | ...              | ...               | 2                 | 4          | ...                                          |
| Premature birth ... ..                | 61                                             | 61       | ...              | ...               | ...                | ...                | ...                  | 9                                      | 15                | 5                | 16                | 10                | 6          | ...                                          |
| Diseases and accidents of parturition | 2                                              | ...      | ...              | ...               | ...                | 2                  | ...                  | ...                                    | ...               | 1                | ...               | ...               | 1          | ...                                          |
| Heart diseases ... ..                 | 63                                             | ...      | 1                | 4                 | 6                  | 28                 | 24                   | 6                                      | 11                | 8                | 17                | 16                | 5          | ...                                          |
| Accidents ... ..                      | 58                                             | 17       | 9                | 8                 | 2                  | 16                 | 6                    | 9                                      | 12                | 6                | 7                 | 12                | 12         | ...                                          |
| Suicides ... ..                       | 4                                              | ...      | ...              | ...               | ...                | 2                  | 2                    | 1                                      | 1                 | 2                | ...               | ...               | ...        | ...                                          |
| Membranous Croup ... ..               | 1                                              | ...      | 1                | ...               | ...                | ...                | ...                  | ...                                    | ...               | ...              | 1                 | ...               | ...        | ...                                          |
| Rheumatic Fever ... ..                | 3                                              | ...      | ...              | ...               | 1                  | 2                  | ...                  | ...                                    | 1                 | ...              | 1                 | 1                 | ...        | ...                                          |
| All other causes ... ..               | 225                                            | 62       | 15               | 8                 | 8                  | 59                 | 73                   | 40                                     | 34                | 17               | 59                | 30                | 45         | ...                                          |
| All causes ... ..                     | 931                                            | 284      | 118              | 50                | 38                 | 262                | 180                  | 150                                    | 186               | 76               | 202               | 154               | 163        | ...                                          |

TABLE IV.  
WHICKO BOROUGH  
CA THE CITY OF NEW YORK, 1908

| CAUSE                   | DEATHS IN LOCALITIES (ALL AGES) |                 |                 |                   |              |                | DEATHS IN PUBLIC INSTITUTIONS |
|-------------------------|---------------------------------|-----------------|-----------------|-------------------|--------------|----------------|-------------------------------|
|                         | MALE<br>WHITE                   | MALE<br>COLORED | FEMALE<br>WHITE | FEMALE<br>COLORED | ALL<br>WHITE | ALL<br>COLORED |                               |
| All causes              | 150                             | 186             | 78              | 202               | 154          | 108            | ...                           |
| Small Pox               | ...                             | ...             | ...             | ...               | ...          | ...            | ...                           |
| Measles                 | ...                             | ...             | ...             | ...               | ...          | ...            | ...                           |
| Scarlet Fever           | 6                               | 18              | 8               | 65                | 14           | 83             | ...                           |
| Whooping-cough          | 5                               | 8               | 4               | 47                | 52           | 51             | ...                           |
| Diphtheria and Croup    | 2                               | 1               | ...             | 52                | 54           | 52             | ...                           |
| Enteric Fever { Typhoid | 1                               | ...             | ...             | 11                | 12           | 11             | ...                           |
| Enteric Fever { Enteric | 2                               | 81              | 1               | ...               | 83           | ...            | ...                           |
| Enteric Fever { Other   | ...                             | ...             | ...             | ...               | ...          | ...            | ...                           |
| Epidemic influenza      | 4                               | 81              | 3               | 18                | 84           | 21             | ...                           |
| Cholera                 | ...                             | ...             | ...             | ...               | ...          | ...            | ...                           |
| Plague                  | ...                             | ...             | ...             | ...               | ...          | ...            | ...                           |
| Diarrhoea               | 5                               | 16              | 6               | 8                 | 21           | 14             | ...                           |
| Enteritis               | 72                              | 83              | 1               | 12                | 155          | 13             | ...                           |
| Puerperal fever         | 1                               | 21              | 1               | ...               | 22           | 1              | ...                           |
| Erysipelas              | ...                             | 1               | ...             | 1                 | 2            | ...            | ...                           |
| Other septic diseases   | ...                             | ...             | ...             | ...               | ...          | ...            | ...                           |
| Pneumonia (Pulmonary)   | 11                              | 18              | 02              | 15                | 29           | 15             | ...                           |
| Other tuberculosis      | 7                               | 10              | 14              | 24                | 21           | 38             | ...                           |
| Cancer, malignant       | 40                              | 12              | 18              | 9                 | 59           | 27             | ...                           |
| Bronchitis              | 14                              | 20              | 24              | 27                | 41           | 51             | ...                           |
| Pneumonia               | 11                              | 19              | 10              | 14                | 25           | 24             | ...                           |
| Pleurisy                | 11                              | 3               | ...             | 1                 | 14           | 2              | ...                           |
| Other diseases of chest | 21                              | ...             | ...             | 22                | 43           | 1              | ...                           |
| Alcoholism—Cirrhosis    | 2                               | ...             | ...             | ...               | 2            | 1              | ...                           |
| Veneral diseases        | ...                             | 22              | ...             | ...               | 22           | ...            | ...                           |
| Premature birth         | 9                               | 15              | 5               | 16                | 24           | 10             | ...                           |
| Diseases and accidents  | ...                             | 2               | 1               | ...               | 3            | 1              | ...                           |
| Heart diseases          | 46                              | 14              | 68              | 17                | 114          | 85             | ...                           |
| Accidents               | 9                               | 12              | 26              | 12                | 47           | 38             | ...                           |
| Suicides                | 2                               | 2               | 2               | ...               | 4            | ...            | ...                           |
| Membranous Croup        | ...                             | ...             | ...             | 1                 | 1            | 1              | ...                           |
| Rheumatic Fever         | ...                             | 2               | 1               | 1                 | 3            | ...            | ...                           |
| All other causes        | 40                              | 34              | 17              | 59                | 80           | 45             | ...                           |



TABLE V.—COUNTY BOROUGH OF SMETHWICK.  
INFANTILE MORTALITY DURING THE YEAR 1908.—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 Months. | 6-7 Months. | 7-8 Months. | 8-9 Months. | 9-10 Months. | 10-11 Months. | 11-12 Months. | Total Deaths under One Year. |
|-----------------------------|---------------------------------------------------|---------------|------------|------------|------------|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|---------------|------------------------------|
| All Causes.                 | Certified ... ..                                  | 59            | 11         | 13         | 14         | 97                   | 37          | 23          | 31          | 20          | 14          | 11          | 9           | 16          | 7            | 9             | 6             | 280                          |
|                             | Uncertified ... ..                                | 3             | ...        | ...        | ...        | 3                    | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | 1             | 4                            |
| Common Infectious Diseases. | Small Pox ... ..                                  | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
|                             | Chicken Pox ... ..                                | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
|                             | Measles ... ..                                    | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
|                             | Scarlet Fever ... ..                              | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | 1           | ...         | ...         | ...         | ...          | ...           | ...           | 1                            |
|                             | Diphtheria: Croup ... ..                          | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
| Diarrhoeal Diseases.        | Whooping Cough ... ..                             | ...           | ...        | ...        | ...        | ...                  | 2           | ...         | 1           | ...         | 1           | ...         | ...         | 1           | 1            | 2             | ...           | 8                            |
|                             | Diarrhoea, all forms ... ..                       | ...           | 2          | 1          | 2          | 5                    | 9           | 9           | 13          | 5           | 2           | 3           | 3           | 7           | 2            | 1             | 1             | 60                           |
|                             | Enteritis, Muco-enteritis, Gastro-enteritis... .. | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
| Wasting Diseases.           | Gastritis, Gastrointestinal Catarrh ... ..        | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
|                             | Premature Birth ... ..                            | 45            | 4          | 5          | 2          | 56                   | 2           | 1           | 2           | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | 61                           |
|                             | Congenital Defects ... ..                         | 1             | 1          | ...        | ...        | 2                    | 1           | ...         | ...         | ...         | ...         | ...         | ...         | 1           | ...          | ...           | ...           | 4                            |
| Tuberculous Diseases.       | Injury at Birth ... ..                            | 2             | ...        | ...        | ...        | 2                    | 1           | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | 3                            |
|                             | Want of Breast Milk ... ..                        | ...           | ...        | ...        | ...        | ...                  | 1           | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | 1                            |
|                             | Atrophy, Debility, Marasmus ... ..                | 4             | 1          | 3          | 5          | 13                   | 6           | 5           | 1           | ...         | 2           | 1           | ...         | 1           | ...          | ...           | ...           | 29                           |
|                             | Tuberculous Meningitis ... ..                     | ...           | ...        | ...        | ...        | ...                  | 1           | 1           | ...         | 1           | 3           | 1           | ...         | ...         | ...          | ...           | ...           | 7                            |
|                             | Tuberculous Peritonitis: Tabes Mesenterica ... .. | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
| Other Causes.               | Other Tuberculous Diseases ... ..                 | ...           | ...        | ...        | ...        | ...                  | 2           | 1           | 1           | 2           | ...         | 1           | 2           | 2           | ...          | 2             | ...           | 13                           |
|                             | Erysipelas ... ..                                 | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
|                             | Syphilis ... ..                                   | ...           | 1          | ...        | ...        | 1                    | ...         | 2           | ...         | 1           | ...         | ...         | ...         | ...         | ...          | ...           | 1             | 5                            |
|                             | Rickets ... ..                                    | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...                          |
|                             | Meningitis not Tuberculous ... ..                 | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | 1           | ...         | ...         | ...          | ...           | ...           | 1                            |
|                             | Convulsions ... ..                                | ...           | ...        | 2          | ...        | 2                    | ...         | ...         | 2           | 3           | ...         | ...         | ...         | ...         | 1            | ...           | ...           | 8                            |
|                             | Bronchitis ... ..                                 | ...           | ...        | ...        | 1          | 1                    | 4           | 1           | 8           | 2           | ...         | 2           | ...         | 1           | 1            | 1             | 1             | 22                           |
|                             | Laryngitis ... ..                                 | ...           | ...        | ...        | ...        | ...                  | ...         | ...         | ...         | ...         | ...         | ...         | ...         | ...         | 1            | ...           | ...           | 1                            |
|                             | Pneumonia ... ..                                  | ...           | ...        | ...        | 1          | 1                    | 3           | 1           | 1           | 4           | 4           | 2           | 2           | 2           | 1            | 3             | 3             | 27                           |
|                             | Suffocation, overlying ... ..                     | ...           | ...        | ...        | 1          | 1                    | 1           | 1           | 1           | ...         | ...         | ...         | ...         | ...         | ...          | ...           | ...           | 4                            |
|                             | Other Causes ... ..                               | 10            | 2          | 2          | 2          | 16                   | 4           | 1           | 1           | 2           | 1           | 1           | 1           | 1           | ...          | ...           | 1             | 29                           |
|                             |                                                   | 62            | 11         | 13         | 14         | 100                  | 37          | 23          | 31          | 20          | 14          | 11          | 9           | 16          | 7            | 9             | 7             | 284                          |

Population—Estimated to middle of 1908—69,500.

Births in the year—legitimate, 2047; illegitimate, 41.

Deaths in the year of legitimate infants, 270; illegitimate infants, 14.

Deaths from all Causes at all Ages, 931.

NOT REPEATED OF SMETHWICK.  
INFANTILE MORTALITY FROM EDITING  
THE ONE YEAR OF AGE.

[illegible]

Deaths in the year of legitimate  
Deaths from all Causes at all A



**SUMMARY OF SANITARY WORK DONE IN THE NUISANCE INSPECTOR'S DEPARTMENT  
DURING THE YEAR 1908, IN THE BOROUGH OF SMETHWICK.**

|                                                                | Number of                          |                |                        | Abatement Notices.   |            | Nuisances abated after Notice by |     |
|----------------------------------------------------------------|------------------------------------|----------------|------------------------|----------------------|------------|----------------------------------|-----|
|                                                                | Inspections and Observations made. | Defects found. | Informal by Inspector. | Formal by Inspector. | Inspector. | Authority.                       |     |
| Dwelling-houses and Schools                                    | Foul Conditions                    | 142            | 85                     | 6                    | 79         | 6                                | 71  |
|                                                                | Structural defects                 | 151            | 65                     | 7                    | 58         | 7                                | 47  |
|                                                                | Over-crowding                      | 46             | 21                     | ...                  | 21         | ...                              | 20  |
|                                                                | Unfit for habitation               | ...            | ...                    | ...                  | ...        | ...                              | ... |
|                                                                | Lodging-houses                     | None.          | ...                    | ...                  | ...        | ...                              | ... |
|                                                                | Dairies and Milkshops              | 870            | ...                    | ...                  | ...        | ...                              | ... |
|                                                                | Cowsheds                           | 36             | ...                    | ...                  | ...        | ...                              | ... |
|                                                                | Bake-houses                        | 62             | 22                     | ...                  | 22         | ...                              | 22  |
|                                                                | Slaughter-houses                   | 63             | ...                    | ...                  | ...        | ...                              | ... |
|                                                                | Canal Boats                        | 333            | 10                     | ...                  | 10         | ...                              | 10  |
|                                                                | Aspits and Privies                 | 886            | 246                    | ...                  | 246        | ...                              | 220 |
|                                                                | Deposits of Refuse and Manure      | 49             | 19                     | 4                    | 15         | 4                                | 15  |
|                                                                | Water Closets                      | 265            | 65                     | 1                    | 64         | 1                                | 64  |
| House Drainage                                                 | Defective Traps                    | 9              | 6                      | ...                  | 6          | ...                              | 6   |
|                                                                | No disconnection                   | ...            | ...                    | ...                  | ...        | ...                              | ... |
|                                                                | Other Faults                       | 70             | 40                     | ...                  | 38         | ...                              | 30  |
|                                                                | Water Supply                       | 8              | 8                      | 8                    | ...        | 8                                | ... |
|                                                                | Pigsties                           | 63             | 38                     | 18                   | 20         | 18                               | 20  |
|                                                                | Animals improperly kept            | 8              | 3                      | 3                    | ...        | 3                                | ... |
|                                                                | Offensive Trades                   | None.          | ...                    | ...                  | ...        | ...                              | ... |
|                                                                | Smoke Nuisances                    | 10             | 3                      | 3                    | ...        | 2                                | ... |
|                                                                | Other Nuisances                    | 76             | 39                     | 33                   | ...        | 34                               | ... |
|                                                                | TOTALS                             | 2647           | 670                    | 89                   | 579        | 83                               | 525 |
|                                                                | Seizures of Unwholesome Food       |                |                        |                      |            |                                  |     |
|                                                                |                                    | ...            | ...                    | ...                  | ...        | ...                              | 237 |
|                                                                | (Samples taken for Analysis        |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | 26                               |     |
| Number found adulterated, &c.                                  |                                    |                |                        |                      |            |                                  |     |
| Proceedings taken                                              |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | 7                                |     |
| (Number of Convictions                                         |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | 7                                |     |
| Samples of Water taken for Analysis                            |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | ...                              |     |
| " " condemned as unfit for use                                 |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | None                             |     |
| Precautions against Infectious Disease.                        |                                    |                |                        |                      |            |                                  |     |
| Lots of Infected Bedding Disinfected or Destroyed              |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | 640                              |     |
| Houses Disinfected after Infectious Disease                    |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | 608                              |     |
| Schools ditto                                                  |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | 2                                |     |
| Prosecutions for not Notifying Existence of Infectious Disease |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | ...                              |     |
| Convictions ditto                                              |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | ...                              |     |
| Prosecutions for Exposure of Infected Persons or Things        |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | ...                              |     |
| Convictions ditto                                              |                                    |                |                        |                      |            |                                  |     |
|                                                                | ...                                | ...            | ...                    | ...                  | ...        | ...                              |     |

JOHN FYLES,  
Inspector of Nuisances.





ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1908, FOR THE COUNTY OF SUFFOLK, ON THE ADMINISTRATION OF THE FACTORY AND WORKSHOP ACTS, 1901, IN CONNECTION WITH FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES, AND HOMEWORK.

|                                                                                | Premises |     | Premises  |            | Premises   |              |
|--------------------------------------------------------------------------------|----------|-----|-----------|------------|------------|--------------|
|                                                                                | (1)      | (2) | (3)       | (4)        | (5)        | (6)          |
|                                                                                |          |     | Temporary | Industrial | Commercial | Professional |
|                                                                                |          |     | Buildings | Buildings  | Buildings  | Buildings    |
| Factories (including Factory Landries)                                         | ...      | ... | ...       | ...        | ...        | ...          |
| Workshops (including Workshop Landries)                                        | ...      | ... | ...       | ...        | ...        | ...          |
| Workplaces (other than Outworkers' premises included in Part 8 of this Report) | ...      | ... | ...       | ...        | ...        | ...          |
| Total                                                                          | ...      | ... | ...       | ...        | ...        | ...          |

## D-DEFECTS FOUND:

| Particulars.                                                                          | Number of Inhabitants. | Number of Inhabitants. | Number of Inhabitants.       | Number of Inhabitants. |
|---------------------------------------------------------------------------------------|------------------------|------------------------|------------------------------|------------------------|
|                                                                                       | Female.                | Male.                  | Reported to M. H. Inspector. | Prevalence.            |
| <i>a</i> Offences under the Public Health Act—                                        |                        |                        |                              |                        |
| Want of drainage                                                                      | 18                     | 18                     | ...                          | ...                    |
| Want of ventilation                                                                   | 2                      | 2                      | ...                          | ...                    |
| Overcrowding                                                                          | 2                      | 2                      | ...                          | ...                    |
| Want of drainage of floors                                                            | ...                    | ...                    | ...                          | ...                    |
| Other nuisances                                                                       | 7                      | 7                      | ...                          | ...                    |
| Sanitary accommodations                                                               | 2                      | 2                      | ...                          | ...                    |
| Insufficient (not separate for sexes)                                                 | ...                    | ...                    | ...                          | ...                    |
| Defective                                                                             | ...                    | ...                    | ...                          | ...                    |
| Offences under the Factory and Workshop Act—                                          |                        |                        |                              |                        |
| Illegal occupation of underground latrine (s 101)                                     | ...                    | ...                    | ...                          | ...                    |
| Breach of special sanitary requirements for latrinehouses (ss 97 to 100)              | ...                    | ...                    | ...                          | ...                    |
| Other offences                                                                        | ...                    | ...                    | ...                          | ...                    |
| (Excluding offences relating to outwork which are included in Part 8 of this Report). | ...                    | ...                    | ...                          | ...                    |
| Total                                                                                 | 31                     | 31                     | ...                          | ...                    |

\*Remainder in progress of being remedied. For Males, 1 Closet for every 25 up to 100; 1 for every 40 up to 500; 1 for every 60 for Females 1 for every 95

For females, 1 for every 20

<sup>a</sup> Including those specified in sections 2, 3, 7, and 8 of the Factory and Workshop Act as renewable after the Public Health Act 1890. For districts not in London see here whether Section 22 of the Public Health Act Amendment Act, 1890, has been adopted by the District Council; and if so what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

### 8—HOME WORK

[illegible][illegible]

#### 4.—REGISTERED WORKSHOPS

[illegible]

(Date) 10th March 1909.

(Signature) W. F. MARSH JACKSON

*Medical Officer of Health.*

[illegible]

[illegible]

## (2) Cleaning and Washing

lace, lace curtains and nets  
Furniture and Upholstery

(Date) 10th March 1900.

(Signature) W. F. M. JACKSON,

Medical Officer of Health.

[illegible]

(1) *Workshops on the Regions (a: 131) at the end of the year.* In 1922, Inghel, divides his list in such a way as to show the number of workers in each class of work, the list showing out-workers should be assigned to column 2 or 3 into their respective classes. A footnote should be added to show that this has been done.

4.—REGISTERED WORKSHOPS.

2-OLHEK VALLEKS.

mentary legislatures or legislatures of several kind as

[illegible]

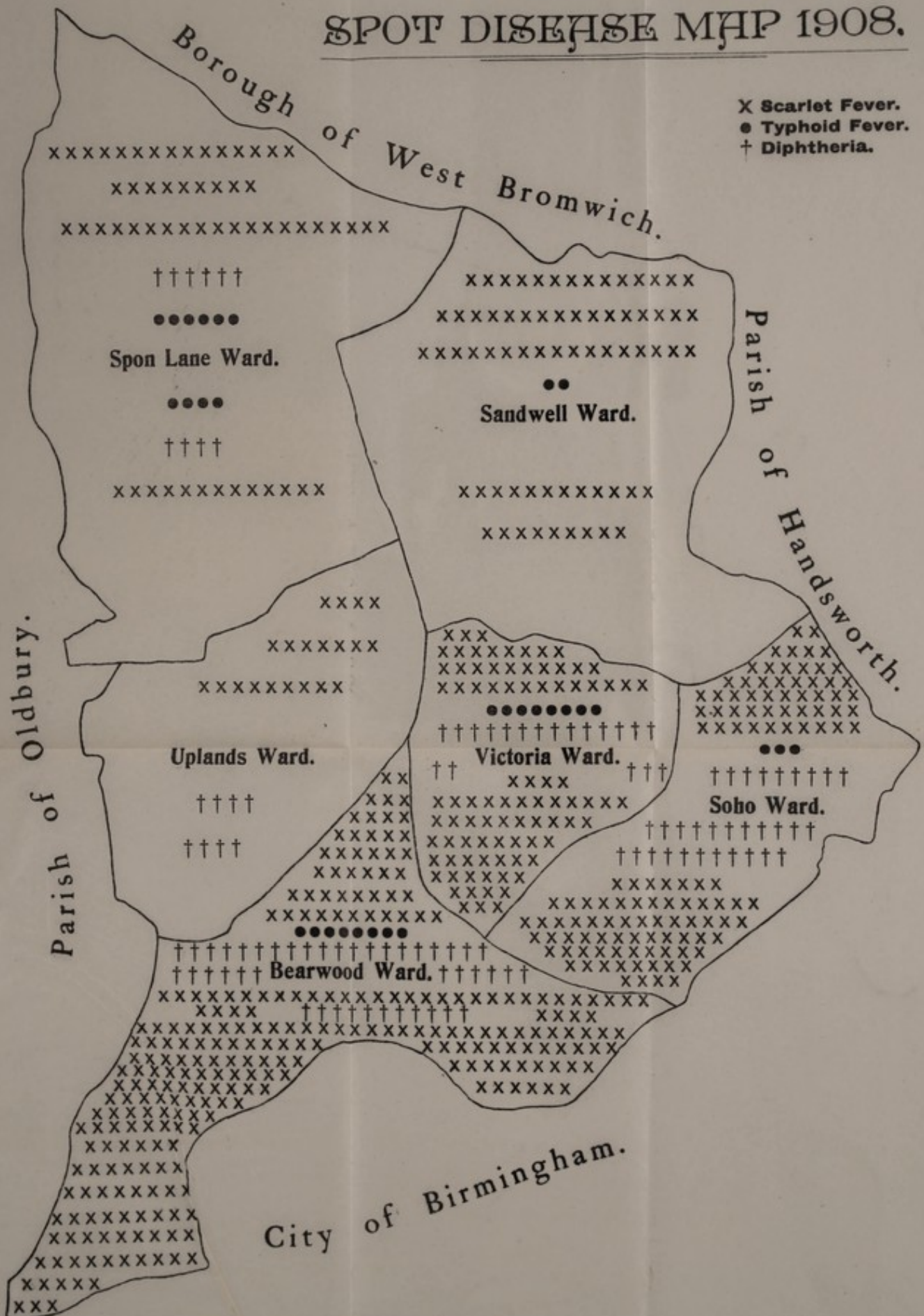
hardly giving any more than the ordinary amount of food, and the children were often seen to be very thin and weak.





# SPOT DISEASE MAP 1908.

X Scarlet Fever.  
● Typhoid Fever.  
† Diphtheria.



City of Birmingham.

SCALE - 20 Chains. 1 inch.

# NOT DISEASE

Borough of

XXXXXXXXXXXXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX

City

XXXXXXXXXXXX

.....

Spou Lane Ward.

.....

XXXXXXXXXXXX

++++ Bearwood

XXXXXX

XXXXXX

XXXXXX

Parish of Yuddly.

Upianus Ward.