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TWENTY-FIRST  
ANNUAL REPORT  
ON THE  
PUBLIC HEALTH  
OF THE

Borough of



Brighouse

FOR THE YEAR 1913,  
BEING THE  
SEVENTEENTH ANNUAL REPORT  
OF  
FREDERIC WILLIAM MARTIN,

*M.R.C.S. Eng., L.R.C.P. & S. Ed., D.P.H., &c.;*

*Medical Officer of Health for the Borough;*

*Medical Superintendent of the Brighouse Joint Hospital;*

*Medical Officer to the Brighouse Education Authority;*

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

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BRIGHOUSE :  
JOHN HARTLEY LTD., Printers, Park Street.

1914.



# Borough of Brighouse.

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## Health Committee, 1912-13.

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**This Worship the Mayor :**

Alderman R. THORNTON, J.P.

**Chairman :**

Alderman ROBERTS.

**Vice-Chairman :**

Councillor E. ARMITAGE.

**Members of Committee :**

|                            |                             |
|----------------------------|-----------------------------|
| Alderman BUTTERWORTH,      | Councillor J. F. BOTTOMLEY, |
| „ HARDAKER,                | „ SMITH,                    |
| Councillor G. W. ARMITAGE, | „ TAYLOR,                   |
| „ BARNETT,                 | „ THORNTON,                 |
| „ BLACKBURN,               | „ TURNER,                   |


Up to October, 1913, when

|                   |                      |
|-------------------|----------------------|
| Councillor DRURY, | Councillor SOUTHERN, |
| „ HAXBY,          | „ SYKES,             |

replaced

|                       |                             |
|-----------------------|-----------------------------|
| Alderman BUTTERWORTH, | Councillor J. F. BOTTOMLEY, |
| Councillor BLACKBURN, | „ TAYLOR.                   |





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# INTRODUCTION.

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TO THE CHAIRMAN AND MEMBERS OF THE HEALTH  
COMMITTEE.

Gentlemen,—

In presenting to you my Seventeenth Annual Report on the administration of the Health Department, I take the opportunity of mentioning for the benefit of the new Members, especially of your Committee, that the duties placed upon your Medical Officer of Health and on your Inspector of Nuisances have during the past few years been materially increased. It is, of course, the same in other towns, and I note the fact to show that there is at the present time a strongly marked spirit of progress in public health matters. For instance, though not compulsory, it was considered advisable, and with very good results, to adopt the Notification of Births' Act: this as far back as December, 1911. Then came the compulsory notification of all cases of Phthisis in 1912, followed by the required notification of all forms of Tuberculosis since February 1st, 1913. From time to time it became imperative to add various diseases to the notifiable list, the most recent of which, Ophthalmia, of the newly born, takes effect from the first of April next. All these enactments undoubtedly tend towards improving the general health of the community, and though we are not likely to be troubled with many cases of the last-named ailment, still provision has to be made for the recording of such—and so the work steadily grows. With regard to the cases of Tuberculosis, I have amplified my notes concerning these, reference being made in two other portions of this report. Unfortunately repetition must crop up, but I have been as careful as possible to restrict the same within a narrow compass.

The statistics placed before you show that the Borough has maintained its previous good condition. I would have liked to report the Birth Rate as having increased, but must rest content with the knowledge that the other principal rates are satisfactory. The general Death Rate is certainly a little higher than the returns of the past few years, but the Zymotic rate is low, and the Infantile Mortality Rate creates a new record for Brighouse. In connection with this latter item I may mention that on August 4th and 5th last I attended the Conference on Infantile Mortality held at Caxton Hall, Westminster. This was an English-speaking Congress, and attracted delegates from practically all over the world.

The opening address was given by the Rt. Hon. John Burns, the then President of the Local Government Board.

Papers were read on many subjects, varying from the "Responsibility of Local Authorities" to "Ante-Natal Hygiene," and many dis-



cussions followed. It would be impossible for me to recapitulate the entire proceedings. I must say, however, that I felt the time expended at the meetings well worth the trouble, and though I knew that our town was doing particularly well in this matter, it was especially instructive to hear the views of others. The proceedings at the Conference are now published and provide very interesting reading—a copy is at the service of any member of your Committee. And in other matters we have made great progress here. The question of provision of Public Baths had been before the ratepayers for very many years, and eventually they showed their great desire for them by a very large majority being recorded in the poll taken on the subject. Now they are installed, since July 5th last, and a Public Mortuary being provided at the same time, two of the chief items in the "wants" list of the Borough now automatically drop out.

I am sorry it was not found convenient to furnish at the same time a Disinfecting Station—a place to which families temporarily turned out of doors whilst their homes were being disinfected, could resort, and have their clothing, &c., thoroughly disinfected.

Great difficulty is frequently experienced in finding a suitable refuge at times such as stated, and the discomfort is intensified if the weather be inclement.

The question of provision of Public Lavatories for both sexes has frequently called for special meetings of your Sub-Committee, and soon, I hope, that further progress will be noted in this very important matter.

Referring for one moment to the Baths, I would just mention that during the short period in which they have been opened great has been the use made of them, not by our own townspeople only, but by many others from a distance. Quite recently the views of parents of elementary school children have been canvassed as to their desire for the latter being taught swimming, and by a very great majority the vote has been in favour of: thus bearing out what was anticipated would be the case—that the keenness of the children here in making use of the swimming bath would be as great as shown in other towns. The water in this bath is now at all times very clear, the special plant which effects the aeration of 10,000 gallons every hour of the working day being responsible for this satisfactory condition.

One of the suggestions issued from the Local Government Board recently with reference to reports of Medical Officers of Health was that interchange of such should take place between the officers of the various districts in the same locality. This, I found, was the custom inaugurated here by my predecessor, and it has since been continued year by year, a special page in the appendix being devoted to the collection of statistics of many of the townships in this part of Yorkshire. It is my pleasing duty to publicly acknowledge my indebtedness to my fellow Medical Officers who exchange returns with me.

I must not neglect the duty I owe of thanking the many Officials of the Corporation—at all times willing and obliging in furnishing me with various necessary information—and I must also record the regret that two officials connected with the Health Department are about to retire from their public duties here. Our late Inspector of Nuisances, Mr. Ralph Marsden, with whom I have been associated since 1897, being

the one, and Miss Cook, the Lady Health Visitor, being the other. Both have undoubtedly given their best endeavours to the work of the department, and particularly to me has this been of the most valuable description.

And now, Mr. Chairman and gentlemen, it only remains for me to point out that the report embraces the usual list of tables, including the report of your Sanitary Inspector, Lady Health Visitor, and of Mr. Bell, the Veterinary Surgeon to the Corporation; and to thank you for your ready response and assistance in the consideration of all matters connected with the Public Health of Brighouse, with the expressed hope that the same may be continued in the future.

I remain,

Faithfully yours,

FRED. W. MARTIN.



## BRIGHOUSE.

ITS PHYSICAL FEATURES, GENERAL SURROUNDINGS, etc.—Situating on the River Calder, in a valley of the same name, surrounded practically by hilly woodland, with easy access to the country in each direction, this town is almost centrally located between Halifax on the West, Bradford on the North, and Huddersfield on the South. Its distance from the first and last-named places being about four miles, and from Bradford about seven miles. It is well served with train service by the L. & Y., G. N. and Midland Railway Companies; and for some years we have been connected also with Halifax by through tram service; and recently, during 1913, the tram service between Bailiffe Bridge and Bradford has been linked up, giving to Brighouse people practically direct service to that City.

The general condition of the community is good, there being very little real poverty in the town.

The industries are numerous and comprise:—

- A Stone Quarrying.
- B Silk Factories.
- C Cotton Factories.
- D Woollen and Worsted Factories.
- E Iron and Brass Foundries.
- F Wire Works.
- G Dye Works.
- H Flour Mills.

A.—The ailments principally affecting workers in this trade are Respiratory, including Phthisis.

B.—Silk Factories. Both Males and Females are employed. Phthisis most prominent disease.

C.—Cotton Factories. Both Males and Females are employed. and Phthisis again chief ailment.

D.—Woollen and Worsted. No special complaint is attributed by the workers—both Male and Female—to the routine of their occupation.

E.—Iron and Brass Foundries. One department of this work—the polishing or buffing, as it is called—is answerable for the causation of Phthisis.

F.—Wire Works. Nothing out of the general run of illness is traceable to these.

G.—Dye Works. The use of chrome and other dyes, in many instances, has the effect of producing a peculiar eczematous condition of skin. Rheumatism is also prevalent.

H.—No special illness attributable.



The general housing accommodation is good. There is a sufficiency of open spaces, and, with few exceptions, the cleanliness of the house surroundings is good.

The supervision over new houses is efficient, and no back-to-back houses have been built for over twenty years. House inspection systematically carried out—125 inspected last year.

The water supply is good, being supplied by the Halifax Corporation at a fixed price in perpetuity. It should be of continuous supply, but last year, for some reason or other, was curtailed for many hours in the twenty-four for a period of fifty days (so many hours per day). As reported previously it would be materially improved if it were filtered before reaching Brighthouse, as the complaints were very numerous in this respect during the last year.

There was no case of Plumbism reported in this connection.

There are three Slaughterhouses—one being public. All are well kept and supervised. 1,008lbs. of beef and 153lbs. of pork were condemned and destroyed. No further action ensuing.

Sewerage and drainage of the town nearly completed. Portions still required, though extensions have been made since last report.

Sewage Outfall Works belonging to Brighthouse are situated at Cooper Bridge, about two miles beyond the boundary of this town. Area of land about 50 acres. Form of treatment: Intermittent land filtration plus chemical precipitation. Is now under control of Borough Surveyor. Present condition not considered satisfactory, and same is to be remodelled.

Excreta removal principally by pail system. Conversion of these closets when practicable to water carriage system strongly advocated. Privy middens in existence 400. As this number seems wrong when compared with the returns for 1912, it is only fair to state that the Inspector has enumerated every privy that is connected with a midden—for instance, one old-fashioned midden may have as many as six or eight closets, and so on. The transference of these to the better system still continues to be a slow process.

Domestic or ash tub refuse was removed by scavengers to the Sanitary Dépôt and other rubbish tips. For a time tipping within the Borough was discontinued. It has recently been resumed, and I am still of the opinion that the safest way to get rid of all this class of material will be by means of a Refuse Destructor. The paper from the refuse at the Dépôt is picked out and burnt in a small furnace there, and the ashes riddled and mixed with excreta and sold as manure.

Abatement of Nuisances.—Preliminary notices are first served on those causing, followed, if necessary, by statutory notices. Most of the nuisances are abated without further action.

Some houses are let in Lodgings, and Bye-laws are required in connection with these.

Public Elementary Schools.—Sanitary condition good. Frequently visited by Medical Officer of Health and School Nurse. Scholars

suffering from Ringworm, Pediculosis—Skin affections of all forms if contagious—rigidly excluded from school until cured.

In cases of notifiable Infectious Disease, scholars affected isolated (principally in Hospital) and contacts debarred from school on latest regulation, return certificates being signed by Medical Officer of Health. Sanitary condition of two other schools, Grammar School for Boys and Secondary School for Girls, both very good.

Infectious Disease Notification.—Compulsory: Small Pox, Scarlet Fever, Diphtheria and Membranous Croup, Fevers (Typhus, Typhoid and Continuous), Puerperal Fever, Erysipelas, Acute Poliomyelitis and Cerebro Spinal Fever, and now Ophthalmia Neonatorum.

Removal of Patients.—Small Pox cases are to be removed to Halifax Corporation Small Pox Hospital on still existing agreement. Scarlet Fever, Diphtheria and Typhoid Fever cases are treated at the Brighthouse Joint Hospital just outside the Borough.

Tuberculosis.—Control of much improved by reason of compulsory notification of all forms, together with provision of Tuberculosis Dispensary—attendance twice weekly—and Sanatoria installed by West Riding County Council.



## Statistical and Sanitary Memoranda, 1913.

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|                            |                             |               |     |        |
|----------------------------|-----------------------------|---------------|-----|--------|
| POPULATION OF BOROUGH—1891 | ...                         | ...           | ... | 20,666 |
| „                          | „                           | 1901 (Census) | ... | 21,735 |
| „                          | „                           | 1911 (Census) | ... | 20,845 |
| „                          | estimated to middle of 1913 | ...           | ... | 20,960 |

INHABITED HOUSES at end of 1913 ... 5,327

ACREAGE of Borough ... 2,224  
(Rastrick 1,371, Hove Edge 450, Brighthouse 403.)

MEAN ALTITUDE—Rastrick, 410 feet above sea level.

Hove Edge, 357 „ „

Brighthouse, 276 „ „

### GEOLOGICAL FORMATION—

Sandstone-Grit, overlying Coal Measures.

BIRTH RATE per 1,000 of Population (corrected) ... 17.79

DEATH RATE „ „ „ „ ... 13.55

Zymotic Death Rate „ „ „ „ ... 42

Cancer „ „ „ „ ... 85

Phthisis „ „ „ „ ... 1.86

Respiratory „ (excluding Phthisis) „ ... 3.43

Infantile Mortality per 1,000 Births ... 67

(Lowest ever recorded in this Borough.)

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## Vital Statistics for England and Wales for 1913.

| 1913.                                      | ENGLAND<br>AND<br>WALES. | Great<br>Towns.<br>(95) | Smaller<br>Towns.<br>(146) | England<br>and Wales<br>less the<br>241 Towns. |
|--|--------------------------|-------------------------|----------------------------|--|
| BIRTH-RATE - - -                           | 23.9                     | 25.1                    | 23.9                       | 22.3   |
| DEATH-RATE - - -                           | 13.7                     | 14.3                    | 12.8                       | 13.1   |
| Zymotic Death-rate - -                     | 1.20                     | 1.5                     | 1.2                        | 0.8  |
| Infantile Mortality -<br>(per 1000 births) | 109                      | 117                     | 112                        | 96   |



# Annual Report

## of the

### Medical Officer of Health.

**BIRTHS.**—There was a slight improvement in the numbers registered during the past year, and one certified outside the Borough brought the correct figure to 373.

Of the total 195 were Males and 178 Females, and the Ward location of these was as below:—

| Ward.            | Males. | Females. | Total. | Rate per 1,000<br>Population. |
|------------------|--------|----------|--------|-------------------------------|
| West ... ..      | 41     | 43       | 84     | 23·94                         |
| Calder ... ..    | 43     | 23       | 66     | 20·63                         |
| Bonegate ... ..  | 24     | 29       | 53     | 13·75                         |
| Central ... ..   | 24     | 18       | 42     | 16·26                         |
| East ... ..      | 16     | 24       | 40     | 25·21                         |
| South ... ..     | 16     | 20       | 36     | 17·09                         |
| North ... ..     | 16     | 11       | 27     | 11·80                         |
| Hove Edge ... .. | 15     | 10       | 25     | 18·69                         |

The quarterly occurrence of the Births was as follows:—

|                  | Males. | Females. | Total. |
|------------------|--------|----------|--------|
| First Quarter... | 54     | 48       | 102    |
| Second „ ... ..  | 51     | 45       | 96     |
| Third „ ... ..   | 53     | 35       | 88     |
| Fourth „ ... ..  | 37     | 50       | 87     |
|                  | 195    | 178      | 373    |

Illegitimate Births numbered ten.

Tables of Births for past ten years:—

|                        | Males. | Females. | Total. |
|------------------------|--------|----------|--------|
| 1904 ...               | 248    | 229      | 477    |
| 1905 ...               | 237    | 217      | 454    |
| 1906 ...               | 230    | 230      | 460    |
| 1907 ...               | 208    | 214      | 422    |
| 1908 ...               | 226    | 226      | 452    |
| 1909 ...               | 209    | 202      | 411    |
| 1910 ...               | 222    | 181      | 403    |
| 1911 ...               | 192    | 175      | 367    |
| 1912 ...               | 191    | 168      | 359    |
| 1913 ...               | 195    | 178      | 373    |
| Average for 10 years.. | 215·8  | 202      | 417·8  |

DEATHS have reached a total of 284 when additions have been made of those occurring outside the town of normally Brighouse residents and the deaths of non-residents have been deducted. Thirty-seven was the number of additions—nineteen of these taking place in Halifax Institutions, six in Huddersfield, five at Storthes Hall, three in the Brighouse Joint Hospital, and one each at Warley, Keighley, Bradford, and West Ham. The two deaths of non-residents were referred to Clifton and to Wyke.

Table of Deaths as per Ward, Sex and Rate per 1,000 of population (Census, 1911):—

| Ward.            | Males. | Females. | Total. | Rate per 1,000. |
|------------------|--------|----------|--------|-----------------|
| West ... ..      | 22     | 29       | 51     | 14·53           |
| Central... ..    | 31     | 20       | 51     | 19·74           |
| Calder ... ..    | 24     | 22       | 46     | 14·44           |
| Bonegate ... ..  | 29     | 10       | 39     | 10·12           |
| North ... ..     | 15     | 16       | 31     | 13·63           |
| South ... ..     | 14     | 12       | 26     | 12·34           |
| Hove Edge ... .. | 13     | 8        | 21     | 13·8            |
| East ... ..      | 10     | 9        | 19     | 10·06           |
|                  | 158    | 126      | 284    |                 |

The quarterly Death returns were as follows:—

|                     | Males. | Females. | Total. |
|---------------------|--------|----------|--------|
| First Quarter... .. | 36     | 39       | 75     |
| Second ,, ... ..    | 36     | 37       | 73     |
| Third ,, ... ..     | 32     | 20       | 52     |
| Fourth ,, ... ..    | 54     | 30       | 84     |
|                     | 158    | 126      | 284    |

Ten years' table of Deaths:—

|                        | Males. | Females. | Total. |
|------------------------|--------|----------|--------|
| 1904 ...               | 165    | 140      | 305    |
| 1905 ...               | 136    | 132      | 268    |
| 1906 ...               | 171    | 151      | 322    |
| 1907 ...               | 157    | 141      | 298    |
| 1908 ...               | 159    | 161      | 320    |
| 1909 ...               | 140    | 143      | 283    |
| 1910 ...               | 129    | 135      | 264    |
| 1911 ...               | 125    | 133      | 258    |
| 1912 ...               | 146    | 148      | 294    |
| 1913 ...               | 158    | 126      | 284    |
| Average for 10 years.. | 148·6  | 141·2    | 289·6. |

STILL-BIRTHS numbered 24 during the year.



The INFANTILE DEATH RATE is the lowest ever recorded in this Borough, and it will be convenient to introduce here the different rates under this heading since

|      |       |     |                   |
|------|-------|-----|-------------------|
| 1896 | ..... | 141 | per 1,000 Births. |
| 1897 | ..... | 129 | „ „               |
| 1898 | ..... | 198 | „ „               |
| 1899 | ..... | 125 | „ „               |
| 1900 | ..... | 151 | „ „               |
| 1901 | ..... | 176 | „ „               |
| 1902 | ..... | 125 | „ „               |
| 1903 | ..... | 120 | „ „               |
| 1904 | ..... | 106 | „ „               |
| 1905 | ..... | 111 | „ „               |
| 1906 | ..... | 141 | „ „               |
| 1907 | ..... | 99  | „ „               |
| 1908 | ..... | 104 | „ „               |
| 1909 | ..... | 97  | „ „               |
| 1910 | ..... | 89  | „ „               |
| 1911 | ..... | 79  | „ „               |
| 1912 | ..... | 81  | „ „               |
| 1913 | ..... | 67  | „ „               |

Note the comparatively steady returns in the past four years.

The Notification of Births' Act is working very satisfactorily here, and considering the claims that are made upon the time of the Medical Practitioners in these strenuous days of panel practice there is very little to complain of in the matter of delays in notification. The one great advantage of the Act is that the Health Visitor is enabled to visit early the homes of the newly-born; especially visiting those mothers who have not been attended at their confinement by a medical man. I do not say for one moment that this is the cause of the low mortality: it is one of the most efficient aids to the lowering of this mortality however; and, judging by the decreased number of Premature Births, it may perhaps be taken for granted that those who find themselves about to become mothers have considered the advice that has been tendered to them in the past. Briefly repeated this was to the effect that all for some time before confinement should abstain from work at the mills if so employed, and should try to keep themselves in as good bodily health as possible.

Of the twenty-five deaths ten took place before the age of one month was reached, seven actually in the first week of existence, and reference to the table in the appendix will explain to those who desire the actual causation of each of these deaths.

The Registrar of Births, Mr. Tom Denham, still continues the distribution of printed advice on Feeding of Infants at such times as the Births are registered under the Act. This, of course, is additional to the instruction given weeks previously by the Health Visitor. I thank him for his good offices in this direction, and in taking leave of this subject I need only express the wish that this satisfactory return may never deteriorate.

The combined age groups 1-2 and 2-5 years show a slight decrease on former years' figures—in the first age group the total being fourteen and in the latter seven. There were eight deaths from Pneumonia in the younger group as against one in the latter, and Scarlet Fever and Measles claimed one victim each in the different stages.

Numbers of death of children aged one to five years since 1900:—

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 |
| 55   | 42   | 41   | 39   | 34   | 28   | 31   |
| 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
| 33   | 40   | 27   | 27   | 26   | 23   | 21   |

The Education Committee are issuing printed instructions to Parents on the proper feeding of their children, and it is hoped thereby that the physique of the younger children especially will be materially improved. Year after year I have drawn the attention of the public to the care that ought to be exercised in this matter, and it is only by dogged repetition that one can hope to meet with a satisfactory result.



## MORTALITY TABLES.

|   |    |
|---|----|
| I. Years, 0-1.  |    |
| Premature Birth 5, Pneumonia 5, Bronchitis 3, Diarrhoea 2, Congenital Malformations 2, Convulsions, Pleurisy, Inflammation of Brain, Inflammation of Stomach, Pericarditis, Adenitis, Debility and Atelectasis, 1 each... | 25 |
| II. Years, 1-2.   |    |
| Pneumonia 8, Scarlet Fever 1, Measles 1, Bronchitis 1, Laryngitis, Rickets, Congenital Heart Disease, 1 each ...  | 14 |
| III. Years, 2-5.  |    |
| Scarlet Fever, Measles, Pneumonia, Tubercular-Meningitis, Rickets, Lymphadenoma, Accident, 1 each...  | 7  |
| IV. Years, 5-15.  |    |
| Phthisis 2, Scarlet Fever 1, Diphtheria 1, General Tuberculosis 1, Peritonitis, Bronchitis, Ear Disease and Convulsions, 1 each...  | 9  |
| V. Years, 15-25.  |    |
| Phthisis 9, Tubercular Meningitis 2, Tubercular Peritonitis 2, Epilepsy 2, Inflammation of Bowels 1, Appendicitis 1, and Inflammation of the Brain 1 ...  | 18 |
| VI. Years, 25-35.   |    |
| Phthisis 11, Heart Disease 4, Pneumonia 2, Abortion 2, Epilepsy, Embolism, Rheumatism, Suicidal Drowning, 1 each...   | 23 |
| VII. Years, 35-45.  |    |
| Phthisis 7, Heart Disease 2, Anæmia 2, Brights 2, Bronchitis 3, and Cancer, Apoplexy, Diabetes, Brain Disease, Liver Disease, Fracture of Skull, 1 each ...   | 22 |
| VIII. Years, 45-55.   |    |
| Phthisis 9, Bronchitis 6, Pneumonia, &c., 4, Heart 3, Anæmia 2, and Cancer, Inflammation of Brain, Inflammation of Stomach, Apoplexy, Rheumatism, Neuritis, 1 each ...  | 30 |
| IX. Years, 55-65.   |    |
| Cancer 11, Heart 9, Bronchitis 7, Pneumonia 6, Apoplexy 4, Brain Disease 1, Cirrhosis of Liver 1, Old Age, Embolism, Paralysis, Epilepsy, Splenic Disease and Phthisis, 1 each, Suicides 2, Accidents 2 ...               | 49 |
| X. Years, 65-75.  |    |
| Heart Disease 10, Bronchitis 9, Old Age 9, Cancer 4, Pneumonia 2, Apoplexy 2, Liver 3, Bladder, &c., 3, Stomach 1, Influenza 1, Brain, &c., 2 ...   | 46 |
| XI. Years, 75-85.   |    |
| Bronchitis 10, Old Age 8, Heart Disease 4, Pneumonia 3, Apoplexy 3, and Cancer, Diarrhoea, Anæmia, Embolism, Paralysis, Accident, 1 each ...  | 34 |
| XII. Years, 85-95.  |    |
| Old Age 2, Gangrene 2, Heart Disease 1, Bronchitis 1 ...  | 6  |
| XIII. Years, 95 upwards.  |    |
| Old Age 1 ...   | 1  |

Two deaths returned as "uncertified," in which no medical certificate of cause of death was given, occurred as follows:—In

January, Male, aged 82. Old Age, &c.

October, Female, aged 63. Apoplexy.

Inquests were found necessary on nineteen occasions in the following order:—

|           |                  |  |
|-----------|------------------|--|
| January   | Male, 64         | Suicidal Drowning.                         |
| February  | Male, 27         | Suicidal Drowning.                         |
| March     | Male, 38         | Fracture of Skull. Accidental Fall.        |
|           | Female, 62       | Fracture of Skull. Accidental Fall.        |
| April     | Female, 64       | Heart Disease.                             |
|           | Male, 79         | Accidental Suffocation.                    |
| June      | Male, 6 wks.     | Congenital Malformation.                   |
|           | Female, 9 wks.   | Pericarditis.                              |
| August    | Male, 60         | Accidental Drowning.                       |
|           | Female, 63       | Heart Disease.                             |
| September | Male, 5          | Convulsions.                               |
| October   | Female, 31       | Heart Disease.                             |
|           | Male, 42         | Accidental Drowning<br>(belonged to Wyke). |
|           | Male, 61         | Suicidal Suffocation.                      |
| November  | Female, 13 mths. | Convulsions.                               |
|           | Female, 88       | Bronchitis.                                |
|           | Male, 50         | Suicidal Drowning (belonged to Clifton)    |
| December  | Male, 4          | Accidental Contusion.                      |
|           | Male, 45         | Heart Disease.                             |

## Classification and Causes of Death.

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### A.—Defined and Specified Causes, comprising 7 Classes.

#### A.

Class 1. SPECIFIC FEBRILE or ZYMOTIC DISEASES.—All Epidemic, Endemic, Contagious, or Infectious.

Class 2. PARASITIC DISEASES.—Or those caused by Animal or Vegetable Parasites.

Class 3. DIETIC DISEASES.—Including those caused by Want of Food, Abuse of Alcohol.

Class 4. CONSTITUTIONAL DISEASES.—Or those caused by Unsound Condition of Body.

Class 5. DEVELOPMENTAL DISEASES: e.g., Premature Birth, Congenital Malformation, Old Age, &c.

Class 6. LOCAL DISEASES.—Or those of the Nervous, Circulatory, Respiratory, and other Systems.

Class 7. VIOLENCE.—Comprising Accident, Homicide, Suicide, &c.

#### B.

Ill-defined or arising from any cause not specified in above group.



## Annual Summary of the Causes of all Deaths of Brighthouse Residents.

|   |    |
|---|----|
| 1.—SPECIFIC FEBRILE OR ZYMOTIC DISEASES.  |    |
| Scarlet Fever 3, Measles 2, Diarrhoea 3, Diphtheria,<br>Puerperal Fever, Influenza, 1 each...   | 11 |
| 2.—PARASITIC DISEASES ... 0   |    |
| 3.—DIETIC... 0  |    |
| 4.—CONSTITUTIONAL DISEASES.   |    |
| Phthisis 39, Tuberculous-Meningitis 3, Other Tuberculous<br>3, Cancer 18, Anæmia, &c. 5, Rheumatic Fever 2, Rickets<br>2, Diabetes 1... | 73 |
| 5.—DEVELOPMENTAL DISEASES.  |    |
| Old Age 21, Premature Birth 5, Congenital Malformation,<br>&c. 4, Atelectasis 1 ...   | 31 |
| 6.—LOCAL DISEASES.  |    |
| (a) of NERVOUS SYSTEM.  |    |
| Apoplexy 11, Epilepsy 4, Inflammation of Brain 5, Con-<br>vulsions 2, Disease of Spinal Cord 3, Other 1...                              | 26 |
| (b) of CIRCULATORY SYSTEM.  |    |
| Valvular Heart Disease 24, Other Heart Disease 7, Embo-<br>lism 3, Other Diseases of Blood Vessels 3 ...                                | 37 |
| (c) of RESPIRATORY SYSTEM.  |    |
| Bronchitis 39, Pneumonia 29, Pleurisy Laryngitis, &c., 6  | 74 |
| (d) of DIGESTIVE SYSTEM.  |    |
| Peritonitis 2, Liver, &c. 5, Stomach 4...   | 11 |
| (e) of LYMPHATIC SYSTEM.  |    |
| Lymphadenoma 1, Adenitis 2 ...  | 3  |
| (f) of URINARY SYSTEM.  |    |
| Bright's Disease 2, Bladder, &c. 2 ...  | 4  |
| (g) of REPRODUCTIVE SYSTEM.   |    |
| Parturition; Abortion 1 ...   | 1  |
| (h) of BONES AND JOINTS ... 0   |    |
| (i) INTEGUMENTARY SYSTEM. Gangrene 1 ... 1  |    |
| (k) ORGANS OF SPECIAL SENSE. Ear 1 ... 1  |    |
| 7.—DEATHS FROM VIOLENCE.  |    |
| ACCIDENTS—Fracture 4, Suffocation 1, Drowning 1<br>SUICIDE—Drowning 3, Suffocation 1 ...  | 10 |
| 8.—DEATHS FROM ILL-DEFINED CAUSES.  |    |
| Debility 1 ...  | 1  |



## Principal Diseases causing Death in 1913.

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The deaths due to PHTHISIS (Pulmonary Tuberculosis) and to BRONCHITIS were numerically exactly equal—thirty-nine each. Strangely enough these two classes were equal in the immediately preceding year, but during the last twelve months the total of each has been considerably increased. Greater attention is undoubtedly being given to the diagnosis of Consumption than was formerly the vogue, and on many occasions I am informed that visits to the Tuberculosis Dispensary in this town are, on their own initiative, made by sufferers from chest ailments. With the Notification Act in force since February of last year, requiring all forms of Tuberculosis to be notified to the Local Health Authority, there is a further incentive to gain the benefits which in some instances are conferred upon this class of patient by the establishment of Sanatoria in various parts of the West Riding. The West Riding County Council scheme was propounded some few months back to representatives of the various authorities, Brighouse being represented, and it was pointed out at the meeting that under the Insurance Act the Government Grant is 50 per cent., whilst the County Council and Local Sanitary Authorities each pay 25 per cent. of the maintenance.

At present all cases cannot be offered the choice of removal from their homes to more healthy and educational establishments, but the attendance at the Dispensary twice weekly by an expert in this disease undoubtedly goes far in improving the condition of Phthisical patients.

It is much too early to lay great stress upon anticipated results in the general treatment, for the scheme is only by this time fairly launched, but one advantage that cannot be too highly appreciated is the fact that the homes can be and are thoroughly inspected, and instruction of a definite character is given to the inmates. Bearing in mind the exhortation of the Local Government Board, that all enquiries should be conducted as privately and with as little annoyance to the sufferers as is possible, I have reserved to myself the duty of visiting. Of course, in the majority of instances, the patients are fully aware of their condition, and my work is thereby made the more easy—it resting with me then to provide sputum bottles and give orders for disinfectants, etc. I record the condition of the home, number of rooms, especially sleeping apartments, noting the means taken to ventilate the rooms, and in most instances I now get the promise of the tenant to acquaint me as early as possible when arrangements are concluded for the patient to go to a Sanatorium. This latter information is very valuable, inasmuch as early instruction can be given for the disinfecting of the premises, bedding and clothing. It is now almost of as frequent occurrence for the bedding van to be carrying to or returning from the Hospital Disinfecter, clothing, &c., from the homes of Phthisical patients as in other cases of notifiable infectious diseases.

Towards the end of April last, when the Health week was held in Brighouse, a special evening was given over to the subject of Consumption—a very instructive and comprehensive lecture being delivered by Dr. Nathan Raw, the well-known authority on this subject. Though I am sorry to say the lecture hall was not crowded, the audience was a very appreciative one—the attention given being a direct tribute to the Lecturer.







Expectoration in public is very noticeable still in this Borough, and I presume until it is made an indictable offence the practice will be continued.

Other deaths caused by other Tuberculous Diseases numbered six—three being due to Tuberculous Inflammation of the Brain, two to Tubercular Peritonitis, and the remaining one to a general Tuberculous condition.

The ages and sex of these sufferers were:—

Tubercular Inflammation of Brain.—Female, 2 years; Female, 19 years; Male, 17 years.

Tubercular Peritonitis.—Female, 16 years; Female, 21 years.

General Tuberculosis.—Female, 13 years.

There were seventy-five notifications of Phthisis and allied diseases during the year.

Other notes re Tuberculosis follow in the portion of report relating to Infectious Diseases Notifications at page 29.

CANCER deaths numbered eighteen, rather less than in the immediately preceding year.

The earliest age at which a death was registered was forty-one (female), and the greatest age reached was seventy-nine (female). The division as to sex was equal, there being seven deaths of males and six of females between the ages of forty-five and sixty-five, and beyond this age-period two males and one female, in addition to the one already mentioned in the opening paragraph. Every ward in the town had at least one death recorded, the East and South, with one each, being followed by the West, North and Hove Edge with two each, the Calder and Bonegate having three each, and the Central Ward four cases.

Table of Cancer Deaths:—

| 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
|------|------|------|------|------|------|------|------|------|
| 20   | 22   | 15   | 18   | 16   | 27   | 14   | 25   | 18   |

Not for many years have we had so many deaths from disease of the RESPIRATORY SYSTEM, and we have to go back to 1907 for anything approaching the number. The chart shewing deaths from the various diseases, which follows in the course of a page or two, shews deaths under this heading at the top of the scale.

Of the total, thirty-nine were due to Bronchitis, twenty-nine to Pneumonia, the remainder being attributed to Pleurisy, &c.

Twenty deaths occurred before the fifteenth year had been reached, and twenty-five in the advanced age period beyond sixty-five.

Diseases of the CIRCULATORY SYSTEM accounted for thirty-seven deaths—twenty-four of which were caused by Valvular trouble—and of the total twenty-six took place at ages beyond forty-five.

Diseases of the NERVOUS SYSTEM numbered twenty-six deaths, eleven due to Apoplexy, five to Inflammation of the Brain, four to Epilepsy, and two to Convulsions.

SPECIFIC FEBRILE or ZYMOTIC DISEASES only totalled eleven—a very satisfactory return: indeed the best ever recorded in this Borough. Scarlet Fever was responsible for three of the deaths, one at  $1\frac{1}{2}$  years, the second at two, and the third at thirteen years of age.

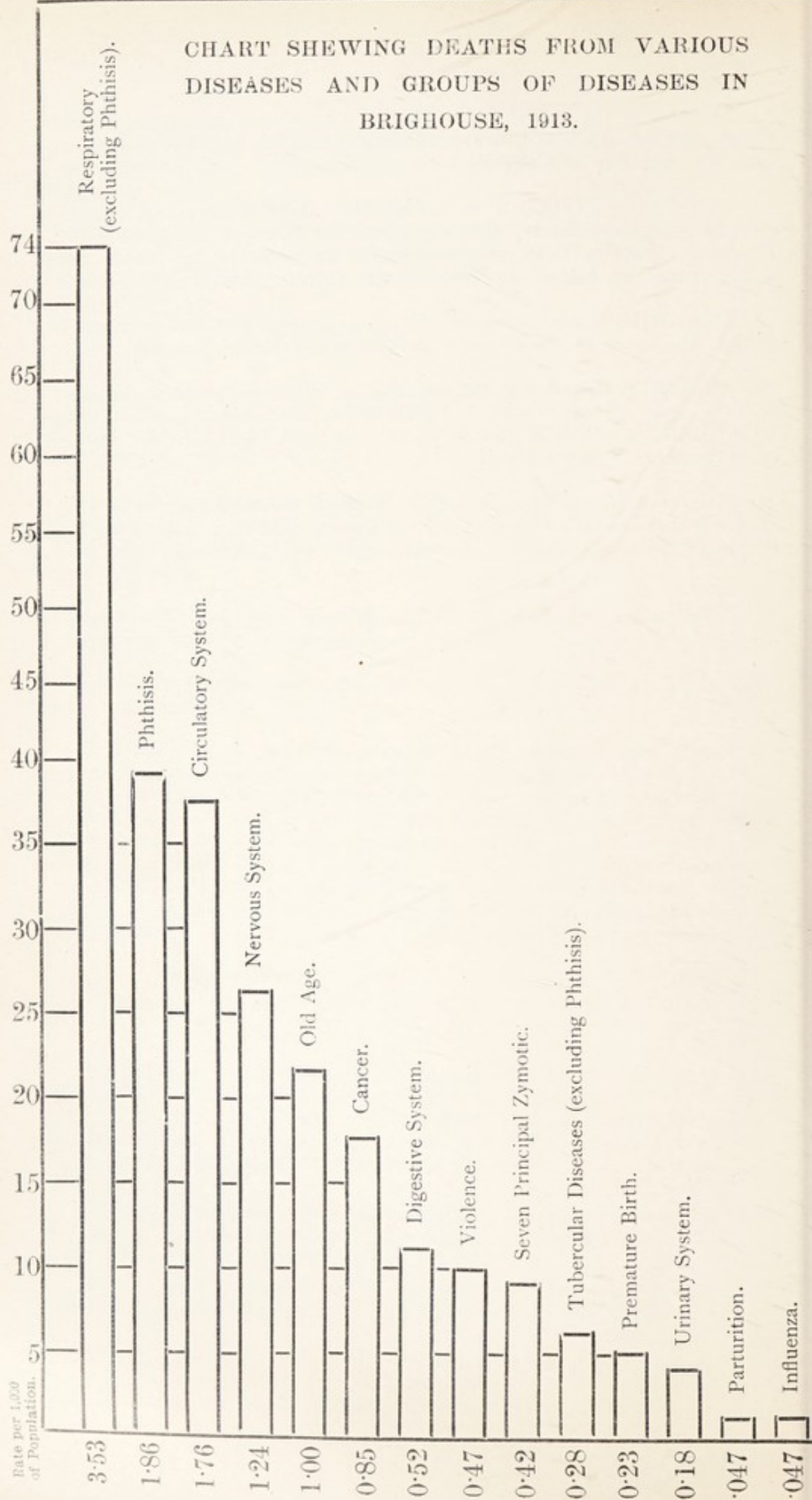
DIARRHOEA also accounted for three deaths, two in the infantile period, the other at the advanced age of seventy-seven.

MEASLES caused two deaths, one at fourteen months, the other at four years of age; and DIPHTHERIA with one at seven years, PUERPERAL FEVER one at thirty-one, and INFLUENZA one at seventy years, complete the list.

Reference to the appended chart, kindly prepared for me by Mr. H. L. Bottomley, will at once shew the figures relating to other classified deaths.



CHART SHEWING DEATHS FROM VARIOUS  
DISEASES AND GROUPS OF DISEASES IN  
BRIGHOUSE, 1913.



## Mortality in relation to Season.

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|   | Rate per 1,000<br>of Population. |
|---|----------------------------------|
| 1.—GENERAL DEATH RATE.                            |                                  |
| Highest in December ... ..                        | 18·8                             |
| Lowest in September... ..                         | 8·5                              |
| 2.—ZYMOTIC DEATH RATE.                            |                                  |
| Highest in June, August and December, each ...    | 1·14                             |
| Lowest in Jany., Feby., July and November, each   | Nil.                             |
| 3.—RESPIRATORY DEATH RATE.                        |                                  |
| Highest in February ... ..                        | 6·86                             |
| Lowest in September ... ..                        | ·572                             |
| 4.—PHTHISIS DEATH RATE.                           |                                  |
| Highest in March ... ..                           | 4·0                              |
| Lowest in December ... ..                         | Nil.                             |
| 5.—CANCER DEATH RATE.                             |                                  |
| Highest in January ... ..                         | 2·86                             |
| Lowest in Feb., March, June, Aug. and Sept., each | Nil.                             |



DEATH RATES FROM VARIOUS CAUSES  
DURING THE DIFFERENT MONTHS  
OF THE YEAR 1918.

| Month                 | General<br>Death Rate | Zymotic<br>Death Rate. | Respiratory<br>Death Rate. | Phthisis<br>Death Rate. | Cancer<br>Death Rate. | Infantile<br>Mortality<br>per 1000 B'ths |
|-----------------------|-----------------------|------------------------|----------------------------|-------------------------|-----------------------|--|
| Jan.                  | 16.0                  | —                      | 3.43                       | 1.14                    | 2.86                  | 42                                       |
| Feb.                  | 14.87                 | —                      | 6.86                       | 2.86                    | —                     | 54                                       |
| March                 | 12.01                 | .57                    | 4.0                        | 4.0                     | —                     | 34                                       |
| April                 | 16.5                  | .57                    | 3.43                       | 2.86                    | 1.71                  | 33.3                                     |
| May                   | 15.4                  | .57                    | 4.0                        | 2.86                    | .57                   | 65                                       |
| June                  | 9.8                   | 1.14                   | 1.71                       | 1.14                    | —                     | 138                                      |
| July                  | 12.0                  | —                      | 2.28                       | 1.14                    | 1.14                  | 28                                       |
| Aug.                  | 9.15                  | 1.14                   | 1.14                       | 1.14                    | —                     | 33.3                                     |
| Sept.                 | 8.5                   | .57                    | .57                        | .57                     | —                     | 45.4                                     |
| Oct.                  | 16.6                  | .57                    | 4.56                       | 2.28                    | .57                   | 151.5                                    |
| Nov.                  | 13.1                  | —                      | 3.43                       | 2.28                    | 1.14                  | 21.6                                     |
| Dec.                  | 18.8                  | 1.14                   | 6.29                       | —                       | 1.14                  | 103.8                                    |
| For Year<br>corrected | 13.55                 | .42                    | 3.43                       | 1.86                    | .85                   | 67                                       |

## Notifiable Infectious Diseases.

SCARLET FEVER has been the most prominent of all the Notifiable Diseases, and only on two previous occasions in the past sixteen years has the total of the year 1913 been exceeded—in 1909 by two only, but in 1899 by the bigger majority of seventy-three.

The distribution of the 122 cases was general, though some districts suffered more than others—thus the North and Bonegate Wards with twenty-one each headed the list, closely followed by the Calder and Central Wards with eighteen each, the West with sixteen, Hove Edge fourteen, the South and East Wards contributing least with eight and six patients respectively.

Thirty children under five years of age, and eighty-one between the ages of five and fifteen, comprised the majority; there being nine patients between fifteen and twenty-five years, and two beyond the latter period.

The sex distribution was for the third year exactly equal.

There were 109, or nearly ninety per cent., of the cases sent to Hospital, and the mortality was satisfactorily low, only three deaths ensuing—two being at the Hospital. The ages of the latter being twenty-two months and thirteen years, whilst the outside death was of a child aged two years.

Continuing the table of former years:—

|      | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|------|------|------|------|-------|-----|------|------|------|------|------|------|------|-------|
| 1898 | 5    | 10   | 8    | 4     | 7   | 14   | 4    | 9    | 8    | 4    | 5    | 8    | 86    |
| 1899 | 19   | 4    | 22   | 32    | 23  | 24   | 19   | 12   | 7    | 12   | 18   | 3    | 195   |
| 1900 | 12   | 3    | 5    | 4     | 4   | 8    | 19   | 4    | 3    | 9    | 9    | 5    | 95    |
| 1901 | 4    | 5    | 8    | 4     | 3   | 2    | —    | —    | 2    | —    | 3    | 3    | 34    |
| 1902 | 4    | 6    | 6    | 2     | 4   | 4    | 4    | 3    | 2    | 3    | 9    | 4    | 51    |
| 1903 | 9    | 11   | 4    | 10    | 3   | 5    | —    | 1    | 1    | 2    | —    | 2    | 48    |
| 1904 | —    | —    | 1    | —     | —   | —    | —    | 1    | 5    | 12   | 11   | 8    | 39    |
| 1905 | 4    | 2    | 1    | 10    | 1   | 2    | 7    | 3    | 2    | 7    | 4    | 14   | 57    |
| 1906 | 11   | 30   | 1    | 8     | 11  | 1    | —    | 1    | 2    | 3    | —    | —    | 68    |
| 1907 | —    | —    | 6    | 5     | 2   | 2    | 3    | 3    | —    | —    | 2    | —    | 23    |
| 1908 | 4    | 4    | —    | —     | —   | 1    | 1    | 3    | 2    | 1    | 6    | 3    | 25    |
| 1909 | 6    | 10   | 8    | 2     | 3   | 1    | 10   | 8    | 19   | 24   | 18   | 15   | 124   |
| 1910 | 5    | 2    | 7    | 9     | 6   | 5    | —    | 2    | 3    | 2    | —    | 4    | 45    |
| 1911 | 5    | 1    | 1    | —     | 4   | 1    | 4    | 3    | —    | 1    | 1    | 1    | 22    |
| 1912 | 2    | —    | 1    | 2     | 23  | 11   | 13   | 6    | 2    | 2    | 1    | 3    | 56    |
| 1913 | 3    | 3    | 1    | 6     | 14  | 8    | 5    | 22   | 12   | 21   | 11   | 16   | 122   |

Average number of notifications—past 10 years=58·1.

The DIPHTHERIA cases were six in number, and of these four were between the ages of five and fifteen, with one at 17, and the other 38 years. Four females comprised the majority.

Four cases were in the Hove Edge Ward, and one each in the North and West Wards; and five were removed to Hospital, one case, a boy aged seven, proving fatal.



Reference to the following table will show how few have been the numbers of these cases notified in the last few years, and it is sincerely to be hoped that this satisfactory state may continue.

| 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 |
|------|------|------|------|------|------|------|------|------|------|
| 5    | 11   | 17   | 44   | 20   | 3    | 6    | 10   | 12   | 37   |
|      | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |      |      |      |
|      | 24   | 19   | 12   | 9    | 6    | 6    |      |      |      |

Average for 10 years = 14.1.

Though we have had so few cases of this disease, very free use has been made of the services of the Bacteriological department of the County Council.

From the reports of the various examinations that have been made of suspected material sent from Brighthouse the certificates show:—

|                   | Primary.       | Secondary.      |
|-------------------|----------------|-----------------|
| Diphtheria ... .. | 6 all positive | 10. 1 positive. |
| Phthisis ... ..   | 7 all „        | 9 negative.     |
| Enteric ... ..    | 3 2 „          |                 |

And as many of the specimens were forwarded by Medical Practitioners in the town it is apparent that full measure is taken of the advantage offered.

For the second successive year only one case of ENTERIC or TYPHOID FEVER was notified—the patient, a young man, aged 17 years, being removed to Hospital. It is gratifying to report so favourably on the decline of this disease which, in earlier ages, used to be so prominent in this town.

Table of Enteric Fever cases:—

| 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 |
|------|------|------|------|------|------|------|------|------|
| 22   | 17   | 16   | 6    | 18   | 3    | 4    | 16   | 9    |
|      | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |      |
|      | 8    | 6    | 7    | 3    | 5    | 1    | 1    |      |

Average for 10 years—6.

ERYSIPELAS.—Notified on seven occasions, the same number for three succeeding years: the Hove Edge Ward and South Wards being non-contributors, whilst the Central Ward had two cases. There was no death recorded from this complaint.

Notifications since 1898:—

| 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 |
|------|------|------|------|------|------|------|------|------|
| 33   | 20   | 16   | 14   | 12   | 3    | 5    | 13   | 15   |
|      | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |      |
|      | 7    | 8    | 7    | 6    | 7    | 7    | 7    |      |

Average for 10 years = 8.2.

There were two cases of PUERPERAL FEVER, one proving fatal at the age of thirty-one in the Central Ward—the other patient resided in the West Ward.

Notifications of this disease since

| 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 |
|------|------|------|------|------|------|------|------|------|------|------|
| 1    | 0    | 4    | 0    | 2    | 3    | 1    | 2    | 1    | 1    | 2    |
|      |      |      | 1909 | 1910 | 1911 | 1912 | 1913 |      |      |      |
|      |      |      | 1    | —    | 1    | 2    | 2    |      |      |      |

This exhausts the list of the usual Notifiable Diseases, but it will be necessary to tabulate the notifications of Consumption and other Tuberculous Diseases as these are now to be recorded, and from time to time fresh additions, no doubt, will be made to the list.

During the year seventy-five cases of TUBERCULOUS DISEASES were notified: sixty-four relating to Phthisis (Lung Consumption) and eleven to other forms. Of the former class three were between the ages of five and fifteen, fifteen in the next age period, thirty between the ages of twenty-five and forty-five, and sixteen beyond the latter age.

The West Ward had most of these patients, fifteen, the Central Ward twelve, Calder ten, Bonegate eight, North seven, East five, South four, and Hove Edge three.

The other Tuberculous patients were one under five, four between five and fifteen years, four again between fifteen and twenty-five, and two in the twenty-five to forty-five age period. In this class every Ward contributed—the Calder, Central and South having each two patients.

Of the Lung cases, thirty three were males, and of the other kinds six were females—thus leaving males in the majority of the combined diseases by one only.

The death list of all the cases notified in 1913 totalled thirty-five, though as the deaths of a few occurred in the present year, 1914, they, of course, have not been further commented on.

Returns of all Notified Diseases arranged as per Wards in 1913:—

| WARD.            | Scarlet<br>Fever. | Diphtheria. | Enteric<br>Fever. | Erysipelas. | Puerperal<br>Fever. | Phthisis. | Other<br>Tubercular<br>Diseases. |
|------------------|-------------------|-------------|-------------------|-------------|---------------------|-----------|----------------------------------|
| North ... ..     | 21                | 1           | —                 | 1           | —                   | 7         | 1                                |
| Bonegate ... ..  | 21                | —           | —                 | 1           | —                   | 8         | 1                                |
| Calder ... ..    | 18                | —           | 1                 | 1           | —                   | 10        | 2                                |
| Central .. ...   | 18                | —           | —                 | 2           | 1                   | 12        | 2                                |
| West... ..       | 16                | 1           | —                 | 1           | 1                   | 15        | 1                                |
| Hove Edge ... .. | 14                | 4           | —                 | —           | —                   | 3         | 1                                |
| South ... ..     | 8                 | —           | —                 | —           | —                   | 5         | 2                                |
| East ... ..      | 6                 | —           | —                 | 1           | —                   | 4         | 1                                |
|                  | 122               | 6           | 1                 | 7           | 2                   | 64        | 11                               |

For another year Brighouse has escaped having a case of SMALL-POX to report, but I am afraid when we do have a return of this disease the patients will be many, as the total number of vaccinated children during the last few years is very small.



## Factory and Workshop Act, 1901.

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Very little trouble has been noticeable with regard to any of the Factories and Workshops in this town. The closet accommodation at one of the principal Factories being the exception to this general rule; but, as I write, I understand that soon this matter will be put upon a satisfactory basis. The table in the appendix shows all the details noted in their proper order.

From the yearly returns I find 161 inspections were made of Factories and Workshops in Brighouse, and a total of 61 defects found, of which forty-four were remedied.

The general cleanliness of all, save one, was satisfactory, and the same remark applies to the ventilation. The chief complaints were as to the sanitary arrangements, and of fifty-nine forty-two were put right.

There are 206 Workshops on the register (full details given in appendix), but there are no under-ground bakehouses in the town.

## Sanitary Items.

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New houses certified for occupation numbered twenty-six, fifteen of which were fitted with baths; and all the closets to these were on the water carriage system.

All, of course, were through houses, and mostly of the smaller class of dwelling for the artisans, and can be considered of a very suitable character. It would be more in keeping with the spirit of the times if every working man's home were provided with a bath with hot and cold water. I am afraid one of the hindrances to this general installation is the tax charged for the use of the water. Considering the great necessity that exists for the workman to remove the foreign matter that gathers on his body whilst at work, surely it would be possible to make a great reduction in water charges to tenants of this class of property. Cleanliness should be encouraged at any cost, even at a monetary loss to a Corporation. The benefit would accrue to the public generally in the increased healthiness of the people, and so the gain would be mutual.

Lodging Houses have been frequently visited by myself in addition to the routine inspections of your Inspector, and there has been no cause for formal complaint during the past year.

The Public Slaughterhouse has been well looked after, and only on a few occasions has there been occasion for condemnation of meat intended for food. Voluntary surrender has been the rule when the above action was considered necessary.

I would like again to caution Householders against the practice of shaking carpets, mats, etc., in public thoroughfares after the hour of eight in the morning. I had a note of marked improvement in this respect in my previous report, but the custom has been again very much in evidence during 1913. The throwing of rubbish, such as tea-leaves, etc., still continues to an inexcusable extent, and I would point out that these offences are punishable by fine or imprisonment if successful action were taken against the offenders.

The Libraries in the town continue, as usual, to be very well patronized. Both are very well looked after, and at my frequent visits I have been satisfied with the ventilation and cleanliness of the premises.

Report on Schools, &c., see in special report of Medical Inspection.





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# **APPENDIX I.**

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INCLUDING VARIOUS TABLES,  
Statistical or otherwise.

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TABLE 1. Vital Statistics of Whole District during 1913 and Previous Years.

| YEAR. | Population<br>Estimated to<br>Middle of each<br>Year. | BIRTHS.                     |                           | TOTAL DEATHS<br>REGISTERED IN THE<br>DISTRICT. |              | TRANSFERABLE<br>DEATHS † |  | NETT DEATHS BELONGING TO THE<br>DISTRICT.                       |                      |                              |              |              |                 |
|-------|---|-----------------------------|---------------------------|--|--------------|--------------------------|--|---|----------------------|------------------------------|--------------|--------------|-----------------|
|       |   | Un-<br>corrected<br>Number. | Nett.<br><br>Number.<br>† | Rate.<br><br>5                                 | Number.<br>* | Rate.<br><br>7           | of Non-<br>residents<br>registered<br>in the<br>District.<br>† | of Resi-<br>dents not<br>registered<br>in the<br>District.<br>† | Under 1 Year of Age. |                              | At all Ages. |              |                 |
|       |   |                             |                           |  |              |                          |  |   | Number.<br>*         | Rate per<br>1,000<br>Births. |              |              |                 |
|       |   |                             |                           |  |              |                          |  |   |                      |                              |              | Number.<br>* | Rate.<br><br>13 |
| 1     | 2   | 3                           | 4                         | 5  | 6            | 7                        | 8  | 9   | 10                   | 11                           | 12           |              |                 |
| 1908  | 22,365  | 452                         | 452                       | 20'21  | 292          | 13'1                     |  | 28  | 47                   | 104                          | 320          |              | 14'30           |
| 1909  | 22,455  | 411                         | 411                       | 18'30  | 246          | 10'95                    |  | 37  | 40                   | 97                           | 283          |              | 12'60           |
| 1910  | 22,520  | 403                         | 403                       | 17'89  | 244          | 10'80                    |  | 20  | 36                   | 89                           | 264          |              | 11'72           |
| 1911  | 20,855  | 366                         | 367                       | 17'57  | 226          | 10'86                    | 4  | 36  | 29                   | 79                           | 258          |              | 12'35           |
| 1912  | 20,900  | 354                         | 359                       | 17'17  | 256          | 12'24                    | 11   | 49  | 29                   | 81                           | 294          |              | 14'05           |
| 1913  | 20,960  | 372                         | 373                       | 17'79  | 249          | 11'88                    | 2  | 37  | 25                   | 67                           | 284          |              | 13'55           |

Area of District in acres (land and inland water)... 2,224

Total population at all ages ... 20,845 }  
 Number of inhabited houses ... 5,163 } At Census, 1911.  
 Average number of persons per house... 4.03 }

Table II. Cases of Infectious Disease notified during the Year 1913.

| Notifiable Disease.                         | Number of Cases Notified. |                |        |         |          |          |          | Total Cases notified in each locality. (e.g. Parish or Ward) of the District. |                |              |               |            |                 |             | Total cases removed to Hospital. |            |
|---|---------------------------|----------------|--------|---------|----------|----------|----------|---|----------------|--------------|---------------|------------|-----------------|-------------|----------------------------------|------------|
|   | At all Ages               | At Ages—Years. |        |         |          |          |          | North Ward.   | Bonegate Ward. | Calder Ward. | Central Ward. | West Ward. | Hove Edge Ward. | South Ward. |                                  | East Ward. |
|   |                           | Under 1        | 1 to 5 | 5 to 15 | 15 to 25 | 25 to 45 | 45 to 65 |   |                |              |               |            |                 |             |                                  |            |
| Small-pox ...                               | —                         | —              | —      | —       | —        | —        | —        | —   | —              | —            | —             | —          | —               | —           | —                                | —          |
| Cholera (C) Plague (P) ..                   | —                         | —              | —      | —       | —        | —        | —        | —   | —              | —            | —             | —          | —               | —           | —                                | —          |
| Diphtheria (including Membranous croup) ... | 6                         | 1              | 3      | 1       | 1        | 1        | —        | —   | —              | —            | —             | 1          | 4               | —           | 1                                | 5          |
| Erysipelas ...                              | 7                         | —              | —      | —       | 4        | 2        | 1        | —   | —              | —            | 2             | 1          | —               | —           | 6                                | —          |
| Scarlet fever ...                           | 122                       | 30             | 81     | 9       | 2        | —        | —        | 21  | 18             | 18           | 16            | 16         | 14              | 8           | —                                | 109        |
| Typhus fever ...                            | —                         | —              | —      | —       | —        | —        | —        | —   | —              | —            | —             | —          | —               | —           | —                                | —          |
| Enteric fever ...                           | 1                         | —              | —      | 1       | —        | —        | —        | —   | 1              | —            | —             | —          | —               | —           | —                                | 1          |
| Relapsing fever (R) ...                     | —                         | —              | —      | —       | —        | —        | —        | —   | —              | —            | —             | —          | —               | —           | —                                | —          |
| Continued fever (C)...                      | —                         | —              | —      | —       | —        | —        | —        | —   | —              | —            | —             | —          | —               | —           | —                                | —          |
| Puerperal fever ...                         | 2                         | —              | —      | —       | 2        | —        | —        | —   | —              | —            | 1             | 1          | —               | —           | —                                | —          |
| Cerebro-spinal Meningitis ...               | —                         | —              | —      | —       | —        | —        | —        | —   | —              | —            | —             | —          | —               | —           | —                                | —          |
| Poliomyelitis ...                           | —                         | —              | —      | —       | —        | —        | —        | —   | —              | —            | —             | —          | —               | —           | —                                | —          |
| Pulmonary Tuberculosis ..                   | 64                        | —              | 3      | 15      | 30       | 16       | —        | 8   | 10             | 12           | 15            | 3          | 3               | 5           | 4                                | 17         |
| Other forms of Tuberculosis *               | 11                        | 1              | 4      | 4       | 2        | —        | —        | 1   | 2              | 2            | 1             | 1          | 1               | 2           | 1                                | —          |
| Totals ...                                  | 213                       | —              | 32     | 91      | 30       | 41       | 18       | 1   | 31             | 32           | 35            | 35         | 22              | 15          | 12                               | 132        |

Isolation Hospital or Hospitals, Sanatoria, &c.—Brighouse Joint Hospital situated at Clifton in Halifax Rural District. Total available beds for treatment of Cholera, Typhus, Typhoid, Scarlet Fever and Diphtheria only. Small Pox cases treated at Halifax Small Pox Hospital by agreement in existence. Tuberculosis Sanatoria at Keighley, Balby, &c., under jurisdiction of West Riding County Council.



TABLE III.—Causes of, and Ages at, Death during the  
year 1913.

Brighouse Urban District.

| CAUSES OF DEATH.  | Nett Deaths at the subjoined ages of "Residents"<br>whether occurring in or beyond the District. |                     |                      |                      |                       |                        |                        |                        |                         |
|---|--|---------------------|----------------------|----------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|
|   | All<br>Ages.   | Under<br>1<br>year. | 1 and<br>under<br>2. | 2 and<br>under<br>5. | 5 and<br>under<br>15. | 15 and<br>under<br>25. | 25 and<br>under<br>45. | 45 and<br>under<br>65. | 65 and<br>up-<br>wards. |
| All Causes—Certified  | 282  | 25                  | 14                   | 7                    | 9                     | 18                     | 45                     | 78                     | 86                      |
| Uncertified   | 2  | ...                 | ...                  | ...                  | ...                   | ...                    | ...                    | 1                      | 1                       |
| Measles...  | 2  | ...                 | 1                    | 1                    | ...                   | ...                    | ...                    | ...                    | ...                     |
| Scarlet Fever ...   | 3  | ...                 | 1                    | 1                    | 1                     | ...                    | ...                    | ...                    | ...                     |
| Diphtheria and Croup ...  | 1  | ...                 | ...                  | ...                  | 1                     | ...                    | ...                    | ...                    | ...                     |
| Influenza ...   | 1  | ...                 | ...                  | ...                  | ...                   | ...                    | ...                    | ...                    | 1                       |
| Phthisis Pulmonary Tuberculosis.) ...                               | 39   | ...                 | ...                  | ...                  | 2                     | 8                      | 19                     | 10                     | ...                     |
| Tuberculous Meningitis ...  | 3  | ...                 | ...                  | 1                    | ...                   | 2                      | ...                    | ...                    | ...                     |
| Other Tuberculous Diseases ...                                      | 3  | ...                 | ...                  | ...                  | 1                     | 2                      | ...                    | ...                    | ...                     |
| Cancer, Malignant Disease   | 18   | ...                 | ...                  | ...                  | ...                   | ...                    | 1                      | 12                     | 5                       |
| Rheumatic Fever ...   | 1  | ...                 | ...                  | ...                  | ...                   | ...                    | ...                    | 1                      | ...                     |
| Meningitis ...  | 1  | ...                 | ...                  | ...                  | ...                   | 1                      | ...                    | ...                    | ...                     |
| Organic Heart Disease ...   | 32   | ...                 | ...                  | ...                  | ...                   | ...                    | 6                      | 13                     | 13                      |
| Bronchitis ...  | 39   | 3                   | 1                    | ...                  | 1                     | ...                    | 1                      | 13                     | 20                      |
| Pneumonia (all forms) ...   | 29   | 5                   | 8                    | 1                    | ...                   | ...                    | 2                      | 8                      | 5                       |
| Other Diseases of Respiratory Organs ...                            | 4  | ...                 | 1                    | ...                  | ...                   | ...                    | 1                      | 2                      | ...                     |
| Diarrhoea and Enteritis ...   | 3  | 2                   | ...                  | ...                  | ...                   | ...                    | ...                    | ...                    | 1                       |
| Appendicitis and Typhlitis ...                                      | 1  | ...                 | ...                  | ...                  | ...                   | 1                      | ...                    | ...                    | ...                     |
| Cirrhosis of Liver ...  | 2  | ...                 | ...                  | ...                  | ...                   | ...                    | 1                      | ...                    | 1                       |
| Nephritis & Bright's Disease ...                                    | 2  | ...                 | ...                  | ...                  | ...                   | ...                    | 2                      | ...                    | ...                     |
| Puerperal Fever ...   | 1  | ...                 | ...                  | ...                  | ...                   | ...                    | 1                      | ...                    | ...                     |
| Other accidents and diseases of Pregnancy and Parturition ...       | 2  | ...                 | ...                  | ...                  | ...                   | ...                    | 2                      | ...                    | ...                     |
| Congenital Debility and Malformation, including Premature Birth ... | 10   | 9                   | 1                    | ...                  | ...                   | ...                    | ...                    | ...                    | ...                     |
| Violent Deaths, excluding Suicide ...                               | 6  | ...                 | ...                  | 1                    | ...                   | ...                    | 1                      | 2                      | 2                       |
| Suicides ...  | 3  | ...                 | ...                  | ...                  | ...                   | ...                    | 1                      | 2                      | ...                     |
| Other Defined Diseases ...  | 78   | 6                   | 1                    | 2                    | 3                     | 4                      | 7                      | 16                     | 39                      |
| Totals ...  | 284  | 25                  | 14                   | 7                    | 9                     | 18                     | 45                     | 79                     | 87                      |

Table IV. Infantile Mortality during the Year 1913.  
*Nett Deaths from stated Causes at various Ages under One Year of Age.*

| CAUSES OF DEATH.                | Under 1 Week. | 1-2 Weeks. | 2-3 Weeks. | 3-4 Weeks. | Total under 1 Month. | 1-3 Months. | 3-6 Months. | 6-9 Months. | 9-12 Months. | Total Deaths under One Year. |
|---------------------------------|---------------|------------|------------|------------|----------------------|-------------|-------------|-------------|--------------|------------------------------|
| All Causes—Certified .. ..      | 7             | 2          | 0          | 1          | 10                   | 4           | 5           | 1           | 5            | 25                           |
| Whooping-Cough .. ..            | ..            | ..         | ..         | ..         | ..                   | ..          | ..          | ..          | ..           | ..                           |
| Abdominal Tuberculosis .. ..    | ..            | ..         | ..         | ..         | ..                   | ..          | ..          | ..          | ..           | ..                           |
| Convulsions .. ..               | ..            | 1          | ..         | ..         | 1                    | 2           | 1           | ..          | ..           | 1                            |
| Bronchitis .. ..                | ..            | ..         | ..         | ..         | ..                   | ..          | 4           | ..          | ..           | 3                            |
| Pneumonia (all forms) .. ..     | ..            | ..         | ..         | 1          | 1                    | ..          | ..          | ..          | 1            | 5                            |
| Diarrhoea .. ..                 | ..            | ..         | ..         | ..         | 1                    | ..          | ..          | ..          | 1            | 2                            |
| Gastritis .. ..                 | 1             | ..         | ..         | ..         | 1                    | ..          | ..          | ..          | ..           | 1                            |
| Suffocation, overlying .. ..    | ..            | ..         | ..         | ..         | ..                   | ..          | ..          | ..          | ..           | ..                           |
| Atelectasis .. ..               | 1             | ..         | ..         | ..         | 1                    | ..          | ..          | ..          | ..           | 1                            |
| Congenital Malformations .. ..  | ..            | ..         | ..         | ..         | ..                   | 1           | ..          | ..          | 1            | 2                            |
| Premature Birth .. ..           | 4             | 1          | ..         | ..         | 5                    | ..          | ..          | ..          | ..           | 5                            |
| Atrophy, Debility & Marasmus .. | 1             | ..         | ..         | ..         | 1                    | ..          | ..          | ..          | ..           | 1                            |
| Other Causes .. ..              | ..            | ..         | ..         | ..         | ..                   | 1           | ..          | 1           | 2            | 4                            |
|                                 | 7             | 2          | 0          | 1          | 10                   | 4           | 5           | 1           | 5            | 25                           |

Nett Births in the year—legitimate, 363 ; illegitimate, 10.

Nett Deaths in the year of legitimate infants, 24 ; illegitimate, 1.



**Annual Report of the Medical Officer of Health  
for the year 1913, for the Borough of Brig-  
house, on the administration of the Factory  
and Workshop Act, 1901, in connection with  
Factories, Workshops, Workplaces and  
Homework.**

**1.—Inspection of Factories, Workshops, and  
Workplaces.**

Including Inspections made by Sanitary Inspectors  
or Inspectors of Nuisances.

| Premises.  | Number of    |                     |               |
|--|--------------|---------------------|---------------|
|  | Inspections. | Written<br>Notices. | Prosecutions. |
| Factories ...<br>(Including Factory Laundries.)  | 77           | 8                   | —             |
| Workshops ...<br>(Including Workshop Laundries.)   | 84           | 9                   | —             |
| Workplaces ...<br>(Other than Outworkers' premises included<br>in Part 3 of this report) | —            | —                   | —             |
| Total...   | 161          | 17                  | —             |

## 2.—Defects found in Factories, Workshops and Workplaces.

| Particulars.  | Number of Defects. |           |                             | Number of Prosecutions. |
|---|--------------------|-----------|-----------------------------|-------------------------|
|   | Found.             | Remedied. | Referred to H.M. Inspector. |                         |
| Nuisances under the Public Health Acts:—  |                    |           |                             |                         |
| Want of Cleanliness ... ..  | 1                  | 1         |                             |                         |
| Want of Ventilation ... ..  | 1                  | 1         |                             |                         |
| Overcrowding ... ..   |                    |           |                             |                         |
| Want of Drainage of Floors ... ..   |                    |           |                             |                         |
| Other Nuisances ... ..  | 23                 | 18        |                             |                         |
| Sanitary Accommodation—   |                    |           |                             |                         |
| Insufficient ... ..   | 8                  | 8         |                             |                         |
| Unsuitable or Defective ... ..  | 22                 | 12        |                             |                         |
| Not Separate for Sexes ... ..   | 6                  | 4         |                             |                         |
| Offences under the Factory and Workshop Acts:—  |                    |           |                             |                         |
| Illegal occupation of underground bakehouse (S. 101) ... ..                           |                    |           |                             |                         |
| Breach of special Sanitary Requirements for Bakehouses (SS. 97 to 100) ... ..         |                    |           |                             |                         |
| Other Offences ... ..   |                    |           |                             |                         |
| (Excluding Offences relating to outwork which are included in Part 3 of this report). |                    |           |                             |                         |
| Total ... ..  | 61                 | 44        |                             |                         |





#### 4.—Registered Workshops.

| Workshops on the Register (s. 131) at the end of the year.   |     |
|--|-----|
| <p>Bakehouses 25, Blacksmiths 7, Bootmakers 27, Botanical Brewer 1, Brushmakers 2, Cabinet Makers 5, Cloggers 4, Coach Builder 1, Coopers 5, Currier 1, Dress-makers 30, Jewellers 6, Joiners 7, Knitters 4, Laundry Work 5, Maltsters 2, Mattress Maker 1, Milliners 16, Painters 7, Paper Bag Maker 1, Photographers 3, Plumbers 8, Polishers 5, Saddlers 2, Soap Maker 1, Sweet Packer 1, Tailors 13, Tin Plate Workers 6, Upholsterers 3, Wheelwrights 6, Wire Worker 1.</p> |     |
| Total Number of Workshops on Register ...  | 206 |



## 5.—Other Matters.

| Class  | Number |
|--|--------|
| Matters notified to H.M. Inspector of<br>Factories:—   |        |
| Failure to affix Abstract of the Factory<br>and Workshop Acts (s 133, 1901) ...  |        |
| Action taken in matters referred by<br>H.M. Inspector as remediable under<br>the Public Health Acts, but not under<br>the Factory and Workshop Acts (s. 5, 1901) |        |
| Notified by H.M. Inspector ... ..  | 7      |
| Reports (of action taken) sent to<br>H.M. Inspector ... ..   |        |
| Other ... ..   | 20     |
| Underground Bakehouses (S. 101):—  |        |
| Certificates granted during the year ...   |        |
| In use at the end of the year ... ..   |        |

FRED. W. MARTIN,

Medical Officer of Health.

March 9th, 1914.

TABLE C, 1913.

## BRIGHOUSE SANITARY DISTRICT.

Any developments during 1913?—To new houses.

Any insufficiency, and where?—No.

Any curtailment?—Yes.

Any unsatisfactory quality, and where?—No.

Any unchecked plumbo-solvent action?—No.

**DRAINAGE AND SEWERAGE.**—Any developments during 1913?—  
Yes, about 1,050 yards new sewers.

Developments still needed as to (a) Want of sewers:—In a few places. (b) Improvement of defective sewers.—From time to time as defects are found.

Any inadequacy of Sewage Disposal Works or complaints as to smells?—Yes.

No. of sink-wastes disconnected during 1913.—25. Trapped, 41.

Proportion of sink-wastes still needing disconnection. (?)

Untrapped.—5 per cent.

**CLOSET ACCOMMODATION.**—No. of Privies with open middens—  
81.

No. of Pail or Tub Closets.—2,736.

No. of Privies with covered middens.—400.

No. of Water Closets.—1,654. Waste water Closets.—154.

No. of Privies re-constructed during 1913—(a) as w.c.'s.—70. (b)  
Other.—4.

No. of additional Closets provided for old property in 1913—(a)  
w.c.'s.—5.

No. of Closets constructed in 1913 for new houses—(a) w.c.'s.—41.

**SCAVENGING.**—How is refuse disposed of (a) Destructor.—Paper only  
burnt in a small one. (b) Tips.—Partly. (c) Farmers.—  
Partly. Total annual cost.—£1,970.

Is there any inadequacy, and where?—Yes.

Any change during 1913?—No; but new arrangements being made  
now.

**NUISANCE INSPECTIONS.**—Total No. of Inspections made in 1913.  
—3,047.

Informal Notices served—24. Complied with—24.

Statutory Notices served—187. Complied with—82.

Total No. of Nuisances in hand at close of 1912—69. At close of  
1913—569.

Total No. of Nuisances reported during 1913—1,035. Abated  
during 1913—466.

Total No. of Summonses or other legal proceedings—2.



| REGULATED BUILDINGS,<br>TRADES, &c.           | No. in<br>Dis-<br>trict. | No. on<br>Register                                    | Total<br>No. of<br>Inspec-<br>tions<br>made. | General<br>Condition? | Legal<br>Proceedings<br>(if any). |
|---|--------------------------|---|--|-----------------------|-----------------------------------|
| Common Lodging Houses                         | 2                        | 2   | 44   | satis-<br>factory.    |                                   |
| Canal Boats ... ..                            | —                        | —   | 74   | „                     |                                   |
| Knackers Yards ..                             | —                        | —   | —  |                       |                                   |
| Offensive Trades ...<br>(Please specify kind) | 10                       | 10<br>4 Tripe Boilers.<br>4 Soap „<br>2 Gut Scrapers. | 19   | „                     |                                   |

Have the Council declared any other processes to be offensive trades, e.g., Fish-frying, Maggot-breeding, etc?—No.

SCHOOLS.—No. of Elementary Schools in District—10.

No. of Visits to Schools—64.

Action taken.—One Department closed for two weeks on account of Measles.

MILK SUPPLY.—No. of samples taken by Officers of S.A. for analysis under F. & D. Acts—38. No. adulterated—4.

No. of samples taken by Officers of S.A. for bacteriological examination—None.

What arrangement for Veterinary Inspection of dairy cows?—Veterinary Inspector appointed. Report appended.

No. of animals notified by Police under Tuberculosis Order, 1913.—None.

Any instance of disease attributed to milk in 1913?—No.

No. of Cowkeepers in district—26. No. Registered—26.

No. of Milk Sellers who are also Cowkeepers—21. No. who are Purveyors only—54. Total No. Registered—75.

Total No. of Cowsheds—47. No. of Inspections in 1913—68. General Condition.—Fair.

Approximate No. of Milch Cows in District—320. Any insufficiency in Milk Supply?—No.

Any Inspection or other action by Districts to which Milk is sent?—No.

OTHER FOODS.—No. of seizures of unsound food—3. Kind and quantity—Beef, 1,008lbs.; Pork, 153lbs.; Mushrooms, 1½ cwt.

No. of Slaughterhouses—3. No. Registered—3. Kind and Condition.—1 Public. All good.

No. of Prosecutions (a) Food and Drugs—2.

FACTORIES AND WORKSHOPS.—Any Smoke Nuisance, and where?—Yes. Various parts of Borough.

No. of Smoke Observations taken—97. No. of cautions—7. Legal notices—7.

**BYE-LAWS AND REGULATIONS.**—Are any other Bye-laws needed? For Offensive Trades, Houses let in Lodgings, Tents and Vans, &c.

**INFECTIOUS AND OTHER DISEASES.**—What diseases have been specially prevalent in 1913?—Scarlet Fever.

What special action to combat same?—Usual. Hospital and supervision of contacts.

Is Hospital accommodation adequate and sufficient?—Yes.

What arrangement for the supply of antitoxin?—Stocked by M.O.H. for Practitioners' use in necessitous cases.

Any influences threatening the health of the District?—None.

**TUBERCULOSIS.**—(1) Inspection of patient's home and workshop.—Yes. (2) Examination for contacts.—Yes.

(3) Disinfection.—Yes. (4) Distribution of advice leaflets.—Yes.

(5) Action re spitting.—Advice. (6) Shelters provided.—No.

(7) Is sputum examined?—Yes.

**BACTERIOLOGY.**—Is County Laboratory utilized?—Yes.

**INFANT MORTALITY.**—What organised effort to control it?—Visiting and advice by Lady Health Visitor. Printed instructions on Infant feeding also distributed.

Has Notification of Births Act, 1907, been adopted?—Yes. Since December, 1911.

Is Health Visitor appointed by Sanitary Authority?—Partly. By other body?—Education Authority.

**VITAL STATISTICS.**—Births during 1913: Males—195. Females—178. Total 373.

No. of illegitimate included in above—10. No. of Still Births (not included)—24.

Deaths during 1913—(1) Gross Deaths, i.e., total actually registered in the District without any correction—247.

(2) Nett Deaths on which the rates are calculated—Males, 158; Females, 126. Total 284.

No. of uncertified deaths (included above)—2.

**MISCELLANEOUS.**—Mean Temperature for 1913—47·3. Rainfall—32 inches.

What Mortuary accommodation—(a) for accidents?—Yes. (b) for infectious cases other than at Hospital?—No.

No. of Burial Grounds—5. Any need for extension?—No.

Are there any Maggot breeding establishments in District?—No.

**SANITARY STAFF.**—What is the present Annual Salary of the M.O.H.?—£225. School M.O.—£70. Hospital.—£85 = £380.

Name of Sanitary Inspector—Richard Allison.

Annual Salary as Inspector—£125.

Other appointments held.—Housing Inspector and Hackney Carriage Inspector.

Salary for such other appointments.—£5 per annum for Inspection of Hackney Carriages.

Any Assistants?—One.

Is Staff sufficient?—No. Probably will be when scavenging Foreman is appointed. (Advertising for same now.)



SUPPLEMENTARY REMARKS as to Sanitary requirements of District, suggestions of M.O.H., and extended notes from any of the foregoing entries.

Public Lavatories for both sexes.

Refuse Destructor.

Disinfecting Station.

### SUMMARY OF HOUSING WORK DURING 1913

Table shewing action under Sections 15, 17 and 18 of the Housing, Town Planning, etc., Act, 1909, and the Housing (Inspection of District) Regulations, dated September 2nd, 1910, or matters arising therefrom.

Houses with defects not disposed of at end of 1912.

Houses totally unfit for human habitation (Section 17)—1.

Houses with minor defects (Public Health Acts).—20.

Houses inspected under the Act and Regulations in 1913.—125.

Action under Section 15.

Houses found not reasonably fit for human habitation.—34.

Houses for which notices were given to execute works.—34.

Action under P.H. Acts in cases of houses with minor defects not remediable under Section 15, owing to the tenancy having commenced before December 3rd, 1909.

Houses found with defects.—91.

Houses in regard to which notices were served to remedy defects—91.

Houses made fit after notice.—32.

Action under Section 17.

Houses found to be totally unfit for habitation.—13.

Houses represented to Local Authority as being totally unfit for human habitation.—13.

Houses made fit for human habitation without the issue of a closing order.—13.

Houses closed as unfit for human habitation after closing orders were made.—1.

Houses with defects not disposed of at end of 1913.

Houses not reasonably fit for human habitation (Section 15).—34.

Houses with minor defects (Public Health Acts).—111.

Name and Address of Officer designated to make inspections under Article II. of Housing (Inspection of District) Regulations, 1910?—Richard Allison (Inspector of Nuisances), Public Offices.

Any regulations made in respect of underground sleeping rooms under Section 17 (7)?—No. Any action in respect of such rooms?—Notices served to close 12 cellar dwellings. 9 complied with.

### OTHER ACTION IN REGARD TO HOUSING:—

Any scarcity of houses, if so, where?—No.

Any overcrowding of persons in houses, and where?—Eleven.

No. of cases of overcrowding dealt with during 1913.—Eleven.

Number of new Houses built during 1913 (a) Working class dwellings.—26 certified for habitation.

Any working class dwellings erected during 1913 by Sanitary Authority.—Please give number and type:—No.

Are Sanitary Authority contemplating erection of Working Class Dwellings? Please give number and type:—No.

TOWN PLANNING:—Any scheme prepared during 1913? If so, give details.—No.

Any scheme contemplated? If so, for what area?—No.

(Signed) FRED. W. MARTIN,

March 11th, 1914.

Medical Officer of Health.



Tables shewing the Population of Brighouse and Rastrick and the Number of Births and Deaths from 1876 to 1893; also the Birth and Death Rates in these Years. Followed by Tables with same detail for the whole of the Borough since incorporation.

### A.—BRIGHOUSE.

| Years | Population | Births. |                             | England and Wales Birth Rate | Deaths |                             | England and Wales Death rate |
|-------|------------|---------|-----------------------------|------------------------------|--------|-----------------------------|------------------------------|
|       |            | Number  | Rate per 1000 of Population |                              | Number | Rate per 1000 of Population |                              |
| 1876  | 7,290      | 262     | 35.9                        |                              | 151    | 20.7                        |                              |
| 1877  | 7,400      | 276     | 37.2                        | 36.1                         | 163    | 22.0                        | 20.4                         |
| 1878  | 7,500      | 291     | 35.2                        | 35.9                         | 165    | 20.0                        | 21.7                         |
| 1879  | 8,300      | 282     | 34.6                        |                              | 178    | 21.4                        |                              |
| 1880  | 8,385      | 287     | 34.2                        | 34.6                         | 187    | 21.4                        | 20.4                         |
| 1881  | 7,962      | 263     | 33.6                        | 33.9                         | 138    | 17.2                        | 18.9                         |
| 1882  | 8,120      | 314     | 38.6                        | 33.7                         | 132    | 16.9                        | 19.6                         |
| 1883  | 6,280      | 280     | 33.0                        | 33.2                         | 159    | 18.3                        | 19.5                         |
| 1884  | 8,388      | 289     | 34.6                        | 33.5                         | 179    | 21.4                        | 19.6                         |
| 1885  | 8,545      | 292     | 34.3                        | 32.5                         | 195    | 23.3                        | 19.0                         |
| 1886  | 8,700      | 260     | 29.8                        | 32.4                         | 189    | 21.2                        | 19.3                         |
| 1887  | 7,780      | 304     | 34.6                        | 31.4                         | 169    | 19.2                        | 18.8                         |
| 1888  | 8,880      | 301     | 33.9                        | 30.6                         | 135    | 15.6                        | 17.8                         |
| 1889  | 9,100      | 279     | 30.6                        | 30.5                         | 151    | 17.8                        | 17.9                         |
| 1890  | 9,226      | 275     | 29.8                        | 29.7                         | 120    | 21.2                        | 19.2                         |
| 1891  | 10,276     | 321     | 31.7                        | 31.4                         | 199    | 19.2                        | 20.2                         |
| 1892  | 10,507     | 282     | 26.8                        | 30.5                         | 199    | 28.9                        | 19.0                         |
| 1893  | 10,610     | 286     | 26.9                        | 30.8                         | 194    | 18.2                        | 19.1                         |

### B.—RASTRICK.

|      |       |     |      |      |     |      |      |
|------|-------|-----|------|------|-----|------|------|
| 1876 | 6,540 | 281 | 42.9 |      | 146 | 22.2 |      |
| 1877 | 6,695 | 304 | 45.4 | 36.9 | 153 | 22.8 | 20.4 |
| 1878 | 9,000 | 294 | 32.6 | 35.8 | 179 | 19.8 | 21.7 |
| 1879 | 9,060 | 305 | 33.6 |      | 171 | 18.8 |      |
| 1880 | 9,135 | 299 | 32.7 | 34.6 | 101 | 22.0 | 20.4 |
| 1881 | 8,036 | 327 | 40.6 | 33.9 | 163 | 20.2 | 18.9 |
| 1882 | 8,252 | 292 | 35.3 | 33.7 | 168 | 20.3 | 19.6 |
| 1883 | 8,465 | 280 | 33.0 | 33.2 | 167 | 19.7 | 19.6 |
| 1884 | 8,680 | 290 | 33.4 | 33.5 | 122 | 25.5 | 19.5 |
| 1885 | 8,285 | 306 | 34.6 | 32.5 | 159 | 18.0 | 19.6 |
| 1886 | 8,950 | 268 | 29.9 | 32.4 | 178 | 20.7 | 19.0 |
| 1887 | 9,075 | 293 | 33.3 | 31.4 | 179 | 19.7 | 18.8 |
| 1888 | 9,592 | 285 | 30.7 | 30.6 | 159 | 16.6 | 17.9 |
| 1889 | 9,865 | 276 | 30.8 | 30.5 | 180 | 18.5 | 17.9 |
| 1890 | 9,981 | 280 | 28.1 | 29.7 | 164 | 16.4 | 19.2 |
| 1891 | 9,279 | 311 | 33.4 | 31.4 | 112 | 22.9 | 20.2 |
| 1892 | 9,448 | 270 | 28.5 | 30.5 | 172 | 18.2 | 19.0 |
| 1893 | 9,583 | 276 | 28.8 | 30.8 | 159 | 26.5 | 19.2 |

### C.—BOROUGH.

|      |        |     |       |      |     |       |      |
|------|--------|-----|-------|------|-----|-------|------|
| 1894 | 21,043 | 571 | 27.13 | 29.6 | 312 | 14.6  | 16.6 |
| 1895 | 21,153 | 573 | 27.08 | 30.3 | 349 | 16.50 | 18.7 |
| 1896 | 21,238 | 547 | 26.83 | 29.7 | 360 | 17    | 17.1 |
| 1897 | 21,347 | 573 | 26.84 | 29.7 | 322 | 15.08 | 17.4 |
| 1898 | 21,466 | 549 | 25.57 | 29.4 | 418 | 17.6  | 17.6 |
| 1899 | 21,570 | 503 | 23.31 | 29.3 | 371 | 17.1  | 18.3 |
| 1900 | 21,690 | 513 | 23.63 | 28.9 | 399 | 18.39 | 18.3 |
| 1901 | 21,780 | 516 | 23.69 | 28.5 | 345 | 15.84 | 16.9 |
| 1902 | 21,960 | 492 | 22.40 | 28.6 | 305 | 13.88 | 16.3 |
| 1903 | 21,983 | 501 | 22.78 | 28.4 | 258 | 11.73 | 15.4 |
| 1904 | 22,076 | 477 | 21.67 | 27.9 | 305 | 13.81 | 16.2 |
| 1905 | 22,100 | 454 | 20.54 | 27.2 | 268 | 12.11 | 15.2 |
| 1906 | 22,196 | 460 | 20.72 | 27.0 | 322 | 14.5  | 15.4 |
| 1907 | 22,280 | 422 | 18.94 | 26.3 | 298 | 13.37 | 15   |
| 1908 | 22,365 | 452 | 20.21 | 26.5 | 320 | 14.3  | 14.7 |
| 1909 | 22,455 | 411 | 18.30 | 25.6 | 283 | 12.6  | 14.5 |
| 1910 | 22,520 | 403 | 17.89 | 24.8 | 264 | 11.72 | 13.4 |
| 1911 | 20,843 | 367 | 17.57 | 24.4 | 258 | 12.35 | 14.6 |
| 1912 | 20,900 | 359 | 17.7  | 23.8 | 294 | 14.06 | 13.3 |
| 1913 | 20,960 | 373 | 17.79 | 23.9 | 284 | 13.55 | 13.4 |



Table shewing Population, Births, &amp;c., in other Towns in the West Riding.

| CITY OR TOWN.    | Population. | BIRTHS. |                 | DEATHS. |                 | Zymotic Death Rate. | Phthisis Death Rate. | Respiratory Disease Death Rate. (ex. Phthisis) | Cancer Death Rate. | Infantile Deaths per 1,000 Births. | No. of Notifications Received (ex. Phthisis). | No. of Phthisis Notifications Received. |
|------------------|-------------|---------|-----------------|---------|-----------------|---------------------|----------------------|--|--------------------|------------------------------------|---|---|
|                  |             | Number. | Rate per 1,000. | Number. | Rate per 1,000. |                     |                      |  |                    |                                    |   |   |
| Leeds ...        | 457,295     | 10,947  | 23.6            | 7,289   | 15.7            | 1.27                | 1.20                 | 2.88   | 1.21               | 136                                | 2,704   | 1,828                                   |
| Bradford ...     | 290,540     | 5,811   | 19.62           | 4,474   | 15.11           | 1.15                | 0.99                 | 2.33   | 1.18               | 127                                | 1,315   | 1,341                                   |
| Halifax ...      | 101,800     | 1,871   | 18.3            | 1,561   | 15.3            | .74                 | 1.00                 | 2.60   | 1.40               | 103                                | 298   | 266                                     |
| Huddersfield ... | 110,882     | 2,196   | 19.50           | 1,664   | 14.77           | 0.82                | 0.89                 | 2.81   | 1.27               | 103                                | 768   | 323                                     |
| Keighley ...     | 44,010      | 837     | 19.01           | 642     | 14.53           | .95                 | .81                  | 2.40   | 1.29               | 123                                | 328   | 180                                     |
| Barnsley ...     | 52,500      | 1,604   | 30.55           | 859     | 16.36           | 2.06                | .80                  | 2.8  | .99                | 147                                | 176   | 113                                     |
| Wakefield ...    | 52,291      | 1,212   | 24.4            | 721     | 14.5            | 0.82                | 0.8                  | 3.26   | 0.96               | 109                                | 295   | 148                                     |
| Batley ...       | 36,775      | 892     | 24.2            | 462     | 12.5            | 0.9                 | 0.4                  | 1.9  | 1.0                | 108                                | 143   | 122                                     |
| Dewsbury ...     | 53,658      | 1,261   | 23.4            | 907     | 16.8            | 0.68                | 1.03                 | 2.8  | 1.45               | 131.6                              | 137   | 137                                     |
| Liversedge ...   | 14,898      | 302     | 20.2            | 194     | 13.0            | .40                 | .80                  | 2.3  | 1.2                | 109.2                              | 80  | 50                                      |
| Mirfield ...     | 11,784      | 237     | 20.2            | 240     | 11.9            | .08                 | 0.7                  | —  | 1.1                | 88                                 | 36  | 24                                      |
| Ossett ...       | 14,305      | 318     | 22.22           | 209     | 14.61           | 0.98                | .48                  | 3.14   | 1.04               | 110                                | 51  | 39                                      |
| Pudsey ...       | 14,060      | 280     | 19.9            | 216     | 15.3            | 0.7                 | .85                  | 2.0  | 1.2                | 146                                | 72  | 33                                      |
| Cleckheaton ...  | 12,940      | 265     | 20.47           | 165     | 12.75           | .61                 | .30                  | 1.70   | .85                | 83                                 | 42  | 28                                      |
| Brighouse ...    | 20,960      | 373     | 17.79           | 284     | 13.55           | .42                 | 1.86                 | 3.43   | .85                | 67                                 | 138   | 75                                      |

DEATHS AT VARIOUS AGE PERIODS.  
Years.

| Month. | 0-1 | 1-2 | 2-5 | 5-15 | 15-25 | 25-35 | 35-45 | 45-55 | 55-65 | 65-75 | 75 up | T'tal |
|--------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Jan.   | 2   | —   | —   | 1    | 1     | 3     | 2     | —     | 6     | 5     | 8     | 28    |
| Feb.   | 2   | 1   | 2   | —    | 1     | 4     | 3     | 4     | —     | 3     | 6     | 26    |
| March  | 1   | 1   | 2   | 1    | —     | 1     | 3     | 3     | 3     | 3     | 3     | 21    |
| April  | 1   | 1   | —   | 1    | 1     | 4     | 4     | —     | 9     | 4     | 4     | 29    |
| May    | 3   | 1   | —   | —    | 4     | 2     | 3     | 3     | 3     | 4     | 4     | 27    |
| June   | 4   | 1   | —   | —    | 2     | 1     | 2     | 2     | 3     | —     | 2     | 17    |
| July   | 1   | 1   | —   | 1    | 3     | 1     | 1     | 5     | 3     | 4     | 1     | 21    |
| Aug.   | 1   | —   | 1   | 1    | —     | 1     | 1     | 1     | 5     | 4     | 1     | 16    |
| Sept.  | 1   | —   | 2   | —    | 1     | 1     | 1     | 1     | 1     | 4     | 3     | 15    |
| Oct.   | 5   | 1   | —   | —    | 2     | 2     | 1     | 5     | 7     | 4     | 2     | 29    |
| Nov.   | 1   | 1   | —   | —    | 3     | 2     | 1     | 4     | 3     | 4     | 4     | 23    |
| Dec.   | 3   | 6   | 1   | 3    | —     | —     | 2     | 3     | 6     | 4     | 4     | 32    |
| Total  | 25  | 14  | 8   | 8    | 18    | 22    | 24    | 31    | 49    | 43    | 42    | 284   |

Corrected to include Deaths of all Persons belonging to  
Brighthouse.



## MONTHLY BIRTHS, 1913.

| Month.       | Males. | Females. | Total. |
|--------------|--------|----------|--------|
| January ...  | 15     | 20       | 35     |
| February ... | 22     | 16       | 38     |
| March ...    | 17     | 12       | 29     |
| April ...    | 16     | 14       | 30     |
| May ...      | 18     | 19       | 37     |
| June ...     | 17     | 12       | 29     |
| July ...     | 20     | 16       | 36     |
| August ...   | 22     | 8        | 30     |
| September..  | 11     | 11       | 22     |
| October ..   | 15     | 18       | 33     |
| November..   | 8      | 16       | 24     |
| December..   | 13     | 16       | 29     |
| Total ...    | 194    | 178      | 372    |

## MONTHLY DEATHS, 1913.

| Month.       | Males. | Females. | Total. |
|--------------|--------|----------|--------|
| January ...  | 13     | 15       | 28     |
| February ... | 12     | 14       | 26     |
| March ...    | 11     | 10       | 21     |
| April ...    | 12     | 17       | 29     |
| May ...      | 14     | 13       | 27     |
| June ...     | 10     | 7        | 17     |
| July ...     | 12     | 9        | 21     |
| August ...   | 12     | 4        | 16     |
| September.   | 8      | 7        | 15     |
| October ...  | 17     | 12       | 29     |
| November..   | 15     | 8        | 23     |
| December..   | 23     | 9        | 32     |
| Total ...    | 159    | 125      | 284    |

Includes all Deaths, whether occurring within or without the District.

### Monthly Notifications of Infectious Diseases.

| Month.      | Scarlet<br>Fever. | Diphtheria<br>& Memb.<br>Croup. | Erysipelas. | Enteric<br>Fever. | Puerperal<br>Fever. | Total. |
|-------------|-------------------|---------------------------------|-------------|-------------------|---------------------|--------|
| January ... | 3                 | —                               | —           | —                 | —                   | 3      |
| February .. | 3                 | —                               | —           | —                 | —                   | 3      |
| March ...   | 1                 | 1                               | —           | —                 | —                   | 2      |
| April ...   | 6                 | —                               | —           | —                 | 2                   | 8      |
| May ...     | 14                | —                               | 1           | —                 | —                   | 15     |
| June ...    | 8                 | —                               | —           | —                 | —                   | 8      |
| July ..     | 5                 | 1                               | —           | —                 | —                   | 6      |
| August ...  | 22                | —                               | 1           | —                 | —                   | 23     |
| September.. | 12                | —                               | 2           | —                 | —                   | 14     |
| October ... | 21                | —                               | 2           | —                 | —                   | 23     |
| November..  | 11                | 1                               | 1           | —                 | —                   | 13     |
| December..  | 16                | 3                               | —           | 1                 | —                   | 20     |
|             | 122               | 6                               | 7           | 1                 | 2                   | 138    |



## METEOROLOGICAL OBSERVATIONS, 1913.

| Month.           | Pressure<br>of Atmos-<br>phere in<br>Month at<br>32° and<br>Sea Level | Temperature. |           | Mean Reading<br>Thermometer.  |                      | Rain.                               |                      |
|------------------|---|--------------|-----------|-------------------------------|----------------------|-------------------------------------|----------------------|
|                  |   | Highest.     | Lowest.   | Maximum<br>in rays of<br>sun. | Minimum<br>on grass. | No. of days<br>on which it<br>fell. | Amount<br>Collected. |
| January ...      | ins.<br>29·705  | 0<br>50·9    | 0<br>26·4 | 0<br>63·3                     | 0<br>22·8            | 21                                  | ins.<br>3·23         |
| February ...     | 30·134  | 52·2         | 26·6      | 84·4                          | 19·8                 | 13                                  | 1·45                 |
| March ...        | 29·564  | 54·1         | 24·6      | 89·5                          | 19·5                 | 24                                  | 4·69                 |
| April ...        | 29·820  | 60·9         | 30·5      | 95·9                          | 27·0                 | 17                                  | 3·80                 |
| May ...          | 29·875  | 74·4         | 35·5      | 117·5                         | 30·4                 | 13                                  | 2·80                 |
| June ...         | 30·030  | 74·0         | 41·8      | 113·1                         | 35·1                 | 13                                  | 1·78                 |
| July ...         | 30·057  | 72·0         | 42·9      | 114·4                         | 36·5                 | 12                                  | 1·11                 |
| August ...       | 30·047  | 76·5         | 40·2      | 111·0                         | 32·4                 | 8                                   | 1·24                 |
| September ...    | 29·943  | 75·8         | 38·0      | 114·5                         | 29·8                 | 12                                  | 1·64                 |
| October ...      | 29·858  | 62·9         | 34·0      | 93·2                          | 26·7                 | 15                                  | 1·87                 |
| November ...     | 29·763  | 54·5         | 32·9      | 83·9                          | 28·3                 | 23                                  | 3·56                 |
| December ...     | 30·014  | 52·6         | 21·2      | 64·4                          | 21·1                 | 18                                  | 3·00                 |
| Annual Means ... | 29·900  | 63·4         | 32·8      | 95·4                          | 27·4                 | 189                                 | 30·17                |

For the above Table I am indebted to the courtesy of Dr. Neech,  
Medical Officer of Health for Halifax.

Borough of



Brighouse.

## THIRD ANNUAL REPORT

ON THE

Work of the Sanitary Department

BY

The Borough Sanitary Inspector,

RICHARD ALLISON, M.S.I.A.,

Member of the Council, Sanitary Inspectors' Association ;

Bronze Medallist ; Diplôme in Meat Inspection ;

Cert., Royal San. Inst.;

FOR THE

Year ended December 31st, 1913.

Sanitary Department,

March 4th, 1914.



# BOROUGH OF BRIGHOUSE.

## ANNUAL REPORT, 1913, OF THE BOROUGH SANITARY INSPECTOR

TO HIS WORSHIP THE MAYOR AND MEMBERS OF THE  
CORPORATION.

Mr. Mayor and Gentlemen,

I beg to submit my third Annual Report on the work performed by the Staff of the Department in my charge for the year ended 31st December, 1913. During the year 3,069 inspections and visits have been made, and as a result 1,039 nuisances were discovered on 442 premises, 470 of which were abated by December 31st. 160 owners were seen personally, and 211 informal and statutory notices served upon the responsible persons.

The majority of the unabated nuisances occur at 69 houses belonging to 4 owners. One of these is the Lancashire and Yorkshire Railway Company, who own 40 of the houses at which work is required to be done. The remaining 29 houses are contiguous properties situate in Elland Road, and the delay is owing principally to the difficulty in arranging amicably a combined drainage scheme, whereby the sewage shall be conveyed into the sewer in lieu of into cesspools as at present.

In addition to the routine work of the department, special reports have been submitted to the Health Committee on the following matters:

1. The collection of house refuse.
2. Cellar dwellings.
3. The scavenging of the Borough, including schemes for the conversion of pail closets to water carriage, and the provision of a destructor.
5. An investigation into the location, number and kind of sanitary conveniences within the Borough.

The tabulated summaries of inspections and visits in this report do not include work done in connection with the superintendence of the scavenging of the Borough.

I am, Mr. Mayor and gentlemen,

Your obedient servant,

RICHARD ALLISON.

## SUMMARY OF INSPECTIONS.

|  |            |
|--|------------|
| Bakehouses   | 27         |
| Complaints Investigated...                           | 82         |
| Common Lodging Houses                                | 44         |
| Cowsheds, Dairies and Milkshops...                   | 68         |
| Canal Boats  | 90         |
| Dwellinghouses—Housing Act...                        | 125        |
| „ „ Public Health Acts                               | 246        |
| „ „ Visited  | 425        |
| „ „ Infectious Disease                               | 136        |
| „ „ Overcrowded                                      | 11         |
| „ „ Requiring Cleansing                              | 17         |
| „ „ Disinfected                                      | 149        |
| Drains Tested  | 181        |
| Factories and Workshops                              | 77         |
| Outworkers...  | 18         |
| Markets, Meat, Fish, Provision and Fruiterers' Shops | 257        |
| Owners and Agents Interviewed                        | 160        |
| Offensive Trades                                     | 19         |
| Re-Visits to Properties under Notice                 | 310        |
| Samples—Milk...                                      | 38         |
| „ Water  |            |
| Schools Disinfected                                  | 24         |
| Slaughterhouses...                                   | 135        |
| Smoke Observations                                   | 97         |
| Van Dwellings  | 29         |
| Visits to Work in Progress                           | 301        |
|  | <hr/> 3069 |

## INSPECTOR'S JOURNAL.

|  |      |
|--|------|
| Number of Entries in Journal           | 211  |
| Premises on which Nuisances were found | 442  |
| Separate Nuisances                     | 1039 |
| Preliminary Notices Served             | 24   |
| Statutory Notices Served               | 187  |

## REMOVAL OF NUISANCES.

|  | Nuisances Found. | Nuisances Abated. |
|--|------------------|-------------------|
| Drains requiring Reconstruction          | 85               | 47                |
| „ „ connecting to Main Sewer             | 27               | 13                |
| „ not efficiently Trapped                | 72               | 27                |
| „ requiring Ventilation Shafts           | 25               | 6                 |
| Defective Sink Waste Pipes               | 34               | 16                |
| „ Yard Drains                            | 67               | 43                |
| „ Cellar Drains                          | 14               | 10                |
| „ Eaves and Fall Pipes                   | 28               | 17                |
| „ Roofing                                | 15               | 6                 |
| „ Urinals                                | 6                | 6                 |
| „ Water Closets                          | 41               | 24                |
| „ Sink Stones                            | 2                | 2                 |
| Sink Waste Pipes requiring Disconnecting | 68               | 25                |



## REMOVAL OF NUISANCES.—Continued.

|  |      |     |
|--|------|-----|
| To provide Sink Stones to Houses...          | 3    | —   |
| Fall Pipes requiring Disconnecting           | 33   | 16  |
| To provide Eaves and Fall Spouts...          | 8    | —   |
| Nuisances from want of Drains                | 9    | 5   |
| "    Water in Cellar                         | 1    | —   |
| "    Cesspools                               | 2    | —   |
| "    Street Gullies                          | 15   | 18  |
| "    Stagnant Water                          | 2    | 1   |
| "    Defective Paving of Yard                | 11   | 9   |
| "    Smoke                                   | 7    | 4   |
| "    Keeping Animals...                      | 5    | 5   |
| Offensive Accumulation                       | 4    | 4   |
| "    Ashpits                                 | 36   | 13  |
| "    Privies                                 | 128  | 70  |
| "    Pail Closets                            | 30   | 8   |
| Closets requiring Limewashing                | 9    | 9   |
| Insufficient Closet Accommodation...         | 24   | 5   |
| Ashpits and Closets requiring Reconstruction | 35   | 7   |
| Houses with Defective Floors...              | 2    | 2   |
| Houses requiring Light and Ventilation       | 27   | 15  |
| "    "    Cleansing                          | 19   | 14  |
| "    "    Food Storage Accommodation..       | 8    | —   |
| "    Overcrowded...                          | 7    | 6   |
| "    Damp                                    | 14   | 5   |
| "    Unfit for Human Habitation              | 4    | 5   |
| Cellar Dwellings                             | 12   | 7   |
|  | 1039 | 470 |

## CONVERSIONS.

|                             |     |
|-----------------------------|-----|
| Number of Ashpits Abolished | 13  |
| "    Privies                | 70  |
| "    Pail Closets           | 9   |
| "    Ashbins Provided       | 110 |
| "    Water Closets Provided | 100 |

The following figures illustrate the work performed by the Sanitary Inspector during recent years in the abatement of nuisances:—

| Year. | Nuisances Found. | Nuisances Abated. | Privies Abolished. |
|-------|------------------|-------------------|--------------------|
| 1908  | 150              | 123               | 9                  |
| 1909  | 122              | 102               | 9                  |
| 1910  | 138              | 99                | 5                  |
| 1911* | 281              | 240               | 11                 |
| 1912  | 447              | 395               | 33                 |
| 1913  | 1039             | 470               | 70                 |

\*Date of my appointment as Sanitary Inspector, April 1st, 1911.

## SMOKE OBSERVATIONS.

Ninety-seven observations have been made during the year. The following table shews the number taken during each month of the year:

| Month.           | No. | No. showing moderate smoke. | No. shewing dense black smoke. | No. exceeding the limit for dense black smoke. |
|------------------|-----|-----------------------------|--------------------------------|--|
| January... ..    | 6   | 4                           | 2                              | —  |
| February ... ..  | 11  | 11                          | 5                              | —  |
| March ... ..     | 9   | 9                           | 4                              | 1  |
| April ... ..     | 10  | 9                           | 5                              | —  |
| May ... ..       | 8   | 8                           | 5                              | 1  |
| June... ..       | 7   | 7                           | 4                              | —  |
| July ... ..      | 7   | 6                           | 2                              | 1  |
| August... ..     | 13  | 13                          | 7                              | —  |
| September ... .. | 4   | 4                           | 4                              | 2  |
| October... ..    | 6   | 6                           | 3                              | —  |
| November ... ..  | 6   | 5                           | 5                              | 3  |
| December ... ..  | 10  | 10                          | 8                              | —  |
|                  | 97  | 92                          | 54                             | 8  |

The limit for black smoke was fixed by the Health Committee in July, 1911, at 3 minutes per half hour observation. By their instruction also every observation taken during the month is reported at the following monthly meeting of the Committee

I believe that an improvement has taken place during the past year in regard to Factory chimneys, and a continuance of this is greatly to be desired. Smoke is a pollution of the atmosphere, and it is quite as necessary that the air we breathe should be as pure as that the food we eat should be of pure ingredients and manufactured in cleanly surroundings. The Public Health Act, 1875, specifically aims at the prevention of black smoke; it is a limited prohibition, for in any prosecution it must be proved that the smoke was *black*, and it is obvious that great pollution of the atmosphere may be taking place without emission of *black* smoke. The 97 observations recorded during the year shew that though only 8 chimneys exceeded the 3 minutes' limit, 54 emitted black smoke during the half-hour observations, and no fewer than 92 out of a total of 97, moderate smoke in varying quantity.

House chimneys are exempt from the law excepting when they are fired, and part of the pollution of the atmosphere is due to the careless stoking of domestic fires. From a sanitary point of view, a large increase in the use of gas and electricity for heating and cooking is commendable.

## FACTORY AND WORKSHOPS ACT, 1901.

Seventy-seven visits have been made to Factories, 84 to Workshops, and 30 to Outworkers' premises, a total of 191. Sixty-one defects were found, 7 notifications of sanitary defects were received from H.M. Factory Inspector, and 17 notices have been served on owners and occupiers to remedy the following matters:—



|                                   |                  | Found. | Remedied. |
|-----------------------------------|------------------|--------|-----------|
| Want of Cleanliness ... ..        |                  | 1      | 1         |
| Want of Ventilation ... ..        |                  | 1      | 1         |
| Sanitary Accommodation            | Insufficient     | 8      | 8         |
|                                   | Unsuitable or    |        |           |
|                                   | Defective ... .. | 22     | 8         |
| Do. do. Not separate for Sexes    |                  | 6      | 4         |
| Nuisances from Black Smoke ... .. |                  | 7      |           |
| Do. Offensive Accumulations       |                  | 2      |           |
| Do. Defective Drains ... ..       |                  | 13     |           |
| Do. Ashpit requiring              |                  |        |           |
| Reconstruction ... ..             |                  | 1      |           |
|                                   |                  | 61     | 44        |

The following is a list of additional workshops established during the year:—

|                                 |   |
|---------------------------------|---|
| Milliner and Draper ... ..      | 1 |
| Bootmakers and Repairers ... .. | 3 |
| Tailor ... ..                   | 1 |
| Upholsterer ... ..              | 1 |
| Soapmaker ... ..                | 1 |
| Laundry... ..                   | 1 |
|                                 | 8 |

Classified list of registered Workshops:—

|                          |    |                          |     |
|--------------------------|----|--------------------------|-----|
| Bakehouses ... ..        | 25 | Mattress Maker ... ..    | 1   |
| Blacksmiths ... ..       | 7  | Milliners ... ..         | 16  |
| Bootmakers ... ..        | 27 | Painters ... ..          | 7   |
| Botanical Brewers ... .. | 1  | Paper Bag Maker ... ..   | 1   |
| Brushmakers ... ..       | 2  | Photographers ... ..     | 3   |
| Cabinetmakers ... ..     | 5  | Plumbers ... ..          | 8   |
| Cloggers ... ..          | 4  | Polishers ... ..         | 5   |
| Coach Builders ... ..    | 1  | Saddlers ... ..          | 2   |
| Coopers ... ..           | 5  | Soap Maker ... ..        | 1   |
| Leather Currier ... ..   | 1  | Sweet Packer... ..       | 1   |
| Dressmakers ... ..       | 30 | Tailors... ..            | 13  |
| Jewellers ... ..         | 6  | Tin Plate Workers ... .. | 6   |
| Joiners... ..            | 7  | Upholsterers ... ..      | 3   |
| Knitters ... ..          | 4  | Wheelwrights ... ..      | 6   |
| Laundries... ..          | 5  | Wireworker ... ..        | 1   |
| Maltsters ... ..         | 2  |                          |     |
|                          |    |                          | 206 |

#### COMMON LODGINGHOUSES.

| Number on Register. | Number of Rooms. | Number of Lodgers | General Conditions |
|---------------------|------------------|-------------------|--------------------|
| 2                   | 15               | 181               | Satisfactory.      |

The provision for escape in case of fire at one of the houses is considered insufficient by the Health Committee. The keeper has undertaken to provide an additional fire escape during the coming year.

A satisfactory improvement has taken place in the condition of the lodginghouses; the accommodation provided compares favourably with that found at similar establishments in other towns.

### DAIRIES, COWSHEDS AND MILKSHOPS.

There are 26 registered Cowkeepers within the Borough, and 68 visits have been made to these farms, upon which are 46 cowsheds where are housed 318 milch cattle.

The whole of the cowsheds have been limewashed twice during the year in accordance with the regulations made under the Dairies, Cowsheds and Milkshops Orders.

Last year mention was made in my annual report of proposed legislation on this burning question; but, alas! we are apparently no nearer a solution of this admittedly thorny problem.

It is satisfactory to note the increasing regard to cleanliness in the cowsheds in the Borough. The sore point with farmers, and one they are continually relating, is the fact that similar requirements to ours are not exacted in adjacent districts. This is certainly a real grievance, and is not confined to the particular area adjacent to Brighthouse, nor is it limited to the requirements expected from cowkeepers, the whole of requirements of Sanitary Authorities differ in each district. As a matter of fact, one of the chief objects of the Sanitary Inspectors' Association is by frequent conference to attain that great desideratum, a uniform requirement among executive officers in sanitary work.

### SUMMARY.

| No. of Registered Cowkeepers. | No. of Cowsheds. | No. of Milch Cows. | No. of Farmers residing outside who purvey Milk within the Borough. | No. of Farmers residing inside who purvey Milk within the Borough. | No. of Farmers who do not purvey Milk. | No. of Milk Purveyors who are not Dairy Farmers. | Total number on register of Cowkeepers, Dairymen and Purveyors of Milk |
|-------------------------------|------------------|--------------------|---|--|--|--|--|
| 26                            | 46               | 318                | 20  | 22   | 5                                      | 13   | 60   |

### BAKEHOUSES.

Twenty-seven visits have been made to the registered retail Bakehouses in the Borough. I take pleasure in reporting satisfactorily on the condition of places where this class of food is prepared for sale.

I believe every precaution is taken in the Bakehouses within the Borough to ensure that the processes incidental to the trade are carried out with proper regard to cleanliness.



## OFFENSIVE TRADES.

Nineteen inspections of premises where offensive trades are established have been made. No cause of complaint was found, having regard to the unsavoury, yet necessary, nature of the businesses carried on.

## FOOD INSPECTION.

During the year systematic inspection of the food supply of the Borough has been maintained, 257 inspections of the markets and shops where food is exposed for sale, and regular visits have been made to the Public Slaughterhouse and the two private Slaughterhouses within the Borough.

The following is the amount of food seized and afterwards condemned as unfit for human consumption:—

|              |           |
|--------------|-----------|
| Beef...      | 1008 lbs. |
| Pork...      | 153 lbs.  |
| Edible Offal | 254 lbs.  |
| Mushrooms... | 168 lbs.  |
|              | <hr/>     |
|              | 1583 lbs. |

The Board of Agriculture suggest that three samples of food per 1,000 of the population is a reasonable percentage. The number taken in Brighouse during the year is a slightly higher figure.

By arrangement with the West Riding of Yorkshire County Council samples of milk are taken by your inspector. The cost of analysis and legal expenses is borne by the higher authority.

During the year 69 samples of food have been taken for analysis in the Borough, 31 by the County Council's Officers—all of which upon analysis were found to be genuine—and 38 by myself.

Of these latter four fell below the standard of the Board of Agriculture, which is also a minimum requirement, i.e., 3 per cent. of fat and 8.5 solids not fat. It may be interesting to know the result of the average quality of the milks analysed during the year. The following is the average composition of the 38 samples of new milk:—Fat, 3.65; Solids not fat, 9.006.

The best sample of the year, No. 33, was taken on October 31st, and contained milk fat 4.36; solids not fat, 9.44.

The worst sample was No. 36, taken November 28th, and contained milk fat, 2.92; solids not fat, 7.96.

In two cases it was decided to prosecute.

|                               |      |
|-------------------------------|------|
| No. 31 contained milk fat ... | 3.42 |
| Solids not fat ...            | 8.02 |

and was certified to be adulterated by the addition of water to the extent of 5.6.

|                               |      |
|-------------------------------|------|
| No. 36 contained milk fat ... | 2.92 |
| Solids not fat ...            | 7.96 |

and was certified to be adulterated by the addition of water to the extent of 6.3.

Only a nominal penalty was inflicted in each case.

## PUBLIC SLAUGHTERHOUSE.

A statement shewing income and expenditure, together with the number and kind of animals slaughtered for human consumption:—

| Month.           | Income. |    |    | Beasts. | Sheep. | Calves. | Pigs. | Total. |
|------------------|---------|----|----|---------|--------|---------|-------|--------|
|                  | £       | s. | d. |         |        |         |       |        |
| January ... ..   | 8       | 3  | 1  | 41      | 146    | 3       | 47    | 237    |
| February... ..   | 9       | 1  | 3  | 45      | 128    | 1       | 30    | 204    |
| March ... ..     | 7       | 5  | 8  | 53      | 129    | 5       | 45    | 232    |
| April... ..      | 7       | 16 | 6  | 56      | 146    | —       | 37    | 239    |
| May ... ..       | 9       | 15 | 5  | 61      | 210    | 2       | 46    | 319    |
| June... ..       | 7       | 0  | 0  | 40      | 191    | 3       | 32    | 266    |
| July ... ..      | 7       | 0  | 0  | 44      | 185    | 5       | 29    | 263    |
| August ... ..    | 9       | 0  | 11 | 60      | 229    | 7       | 35    | 331    |
| September ... .. | 9       | 12 | 8  | 53      | 174    | 4       | 31    | 262    |
| October... ..    | 11      | 18 | 2  | 83      | 182    | 11      | 52    | 328    |
| November ... ..  | 8       | 0  | 11 | 64      | 124    | 5       | 56    | 249    |
| December ... ..  | 8       | 13 | 5  | 63      | 91     | 8       | 91    | 253    |
|                  | £103    | 8  | 0  | 663     | 1935   | 54      | 531   | 3183   |

## EXPENDITURE.

| Wages. |    |    | Tools and Repairs. |    |    | Rent and Rates—<br>Gas, Water and Coke. |    |    | Total. |    |    |
|--------|----|----|--------------------|----|----|---|----|----|--------|----|----|
| £      | s. | d. | £                  | s. | d. | £                                       | s. | d. | £      | s. | d. |
| 87     | 7  | 2  | 32                 | 14 | 4  | 91                                      | 17 | 4  | 211    | 18 | 10 |
|        |    |    |                    |    |    | <hr/>                                   |    |    | <hr/>  |    |    |
|        |    |    |                    |    |    | Less Tolls ...                          |    |    | 103    | 8  | 0  |
|        |    |    |                    |    |    |   |    |    | <hr/>  |    |    |
|        |    |    |                    |    |    |   |    |    | £108   | 10 | 10 |

## CANAL BOATS.

Section 3 of the Canal Boats Act, 1884, provides that “Every Sanitary Authority within whose district any canal is situate shall, within twenty-one days of the thirty-first day of December in every year, make a report to the Local Government Board as to the execution of the principal Act and this Act, and of the Regulations made thereunder, and as to the steps taken by such authority during the year, to give effect to the said Acts and Regulations.”

The number of Canal Boats inspected during the year was 51, and of these 90 inspections were made as follows:—

|    |                                  |    |
|----|----------------------------------|----|
| 34 | Boats were inspected once ... .. | 34 |
| 7  | “ “ “ twice... ..                | 14 |
| 4  | “ “ “ three times ... ..         | 12 |
| 2  | “ “ “ four times... ..           | 8  |
| 3  | “ “ “ five times ... ..          | 15 |
| 1  | “ “ “ seven times ... ..         | 7  |
| 51 |                                  | 90 |

The population found to be inhabiting the boats numbered 238, including 127 males, 61 females and 50 children.



The following is a tabulated statement shewing the number, age and sex of the children found on canal boats during 1913:—

| One year       |            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Totals. |
|----------------|------------|---|---|---|---|---|---|---|---|----|----|----|---------|
| Ages ... ..    | and under. |   |   |   |   |   |   |   |   |    |    |    |         |
| Males ... ..   | —          | 1 | — | 2 | 6 | 3 | 1 | 4 | 2 | 2  | —  | 2  | 23      |
| Females ... .. | 3          | 1 | 4 | 1 | 1 | 3 | 4 | 3 | 2 | 1  | 2  | 2  | 27      |
| Totals ... ..  | 3          | 2 | 4 | 3 | 7 | 6 | 5 | 7 | 4 | 3  | 2  | 4  | 50      |

A large variety of merchandise is brought into the Borough by canal. The principal imports are coal, corn, cotton, flour, oil, potatoes, silk, wheat, wire and wool.

The following is a summary of the work done during the year:—

|   | 1913. |
|---|-------|
| Number of Boats Inspected ... ..                          | 51    |
| Number of Inspections ... ..                              | 90    |
| Registered Accommodation ... ..                           | 450   |
| Aft Cabin ... ..  | 270   |
| Fore Cabin ... ..   | 180   |
| Population found on Board ... ..                          | 238   |
| Adults ... ..   | 188   |
| Children ... ..   | 50    |
| Children of School Age ... ..                             | 38    |
| „ under „ ... ..  | 12    |
| Number of Boats conforming to the Acts and Regulations... | 44    |
| Number of Boats with one or more Infringements ... ..     | 7     |
| Number of Infringements found ... ..                      | 8     |
| „ „ „ remedied ... ..                                     | 8     |

A classified summary of infringements is as follows:—

|  |   |
|--|---|
| (a) Registration ... ..                | 2 |
| (b) Master without Certificate ... ..  | 1 |
| (c) Cleanliness ... ..                 | 4 |
| (d) Painting ... ..                    | 1 |
|  | — |
|  | 8 |
| Notices issued ... ..                  | 3 |
| Number of Certificates returned ... .. | 3 |

I am pleased to state that in my inspections during the year I found the majority of the Boats in a very satisfactory condition, the occupants in good health, and on all Boats I was received with courtesy.

## CLEANSING DEPARTMENT.

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The scavenging of the Borough has during the year received special attention by the Health Committee, and two extensive reports were submitted to them for their consideration. It was pointed out that the collection of house refuse was unsatisfactory owing to the facts that a sufficient sum of money had not been allowed for the work for many years, and that owing to the rapidly increasing number of dust bins being substituted for old middens, and the longer distance that the refuse has to be carted than formerly was the case, the problem was one requiring the immediate and serious attention of the Sanitary Authority. The reports also gave the result of enquiries to twenty-six other towns in England of similar size and population to Brighouse: these showed that the total cost of the collection of house refuse was less in Brighouse than in any other town from which replies were received. Also the cost per load, per house and the average number of loads compared favourably with any other district, and especially was this the case when the long distance to tips, the hilly nature of the town, and the inconvenient position of a large number of the ash pits and middens were considered.

During the year a survey of the sanitary conveniences within the Borough has been completed. This will be found extremely valuable in arranging the work of the collection of house refuse and in estimating the number of conversions that are effected. A summary has been compiled and is appended herewith:—



A TABULATED SUMMARY OF THE NUMBER AND KIND OF SANITARY CONVENIENCES  
IN THE BOROUGH.

| TABLE "A."<br>SANITARY CONVENIENCES. |                              |          |   |                 |                  |                                      |      |   |  |     |     | TABLE "B."<br>RECEPTACLES FOR HOUSE REFUSE. |     |      |  |  |
|--------------------------------------|------------------------------|----------|---|-----------------|------------------|--------------------------------------|------|---|--|-----|-----|---|-----|------|--|--|
| WARD.                                | WATER CLOSETS.               |          |   |                 |                  |                                      |      | Total<br>No. of<br>Pail<br>Closets<br>and<br>Midden<br>Privies. | Total<br>No. of<br>Recep-<br>tacles<br>for<br>House<br>Refuse. |     |     |   |     |      |  |  |
|                                      | Siphon Flushing<br>Cisterns. |          | Auto-<br>matic<br>Flushing<br>Cisterns. | Tippers.        |                  | Total<br>No. of<br>Water<br>Closets. |      |   |  |     |     |   |     |      |  |  |
|                                      | Inside.                      | Outside. |   | Waste<br>Water. | Town's<br>Water. |                                      |      |   |  |     |     |   |     |      |  |  |
| Hove Edge...                         | 37                           | 55       | 2                                       | 2               | —                | 96                                   | 103  | 97  | 200  | 38  | 4   | 75  | 57  | 174  |  |  |
| North ...                            | 89                           | 92       | 24                                      | 14              | —                | 219                                  | 360  | 18  | 378  | 35  | 71  | 167   | 12  | 285  |  |  |
| Calder ...                           | 161                          | 85       | 8                                       | 19              | 14               | 287                                  | 494  | 18  | 512  | 70  | 33  | 199   | 13  | 315  |  |  |
| Bonegate ..                          | 158                          | 110      | 10                                      | 50              | —                | 328                                  | 622  | 19  | 641  | 51  | 104 | 277   | 16  | 448  |  |  |
| Central...                           | 108                          | 144      | 11                                      | 2               | —                | 265                                  | 391  | 57  | 448  | 95  | 28  | 114   | 34  | 271  |  |  |
| East ..                              | 82                           | 95       | —                                       | 20              | —                | 197                                  | 264  | 70  | 334  | 27  | 11  | 143   | 45  | 226  |  |  |
| West ...                             | 76                           | 139      | —                                       | 20              | —                | 235                                  | 322  | 97  | 419  | 45  | 39  | 177   | 57  | 318  |  |  |
| South ...                            | 107                          | 105      | 21                                      | 27              | —                | 250                                  | 180  | 95  | 275  | 108 | 33  | 34  | 64  | 289  |  |  |
|                                      | 818                          | 825      | 76                                      | 154             | 14               | 1877                                 | 2636 | 471   | 3207   | 469 | 323 | 1236  | 298 | 2325 |  |  |

## PRIVY MIDDENS.

It will be found on examination of the Sanitary Conveniences' Summary that there were, on the 31st December, 298 middens, to which are attached 481 privies. Although 70 privies have been converted to water carriage during the year it is anticipated that a much larger number will be converted during 1914. It is to be regretted that so large a number is still in existence. When the next Annual Report is submitted to you I hope to be in a position to state that all are abolished where a sewer and water supply are available.

## PAIL CLOSETS.

There are in the Borough 2,736 pail closets which, during the past 20 years, have cost on an average £1,000 a year in the collection and disposal of their contents. A report has been submitted to the Health Committee upon this matter during the year, and it is hoped that a scheme may be evolved which will wipe out in a few years this enormous annual cost in the perpetuation of an insanitary system.

## GALVANIZED DUST BINS AND ASHPITS.

The galvanized movable dust bin is slowly but surely superseding the old ashpit. This may be seen from the fact that 25,137 ashbins have been emptied during the year as compared with 16,995 in 1911. Should the Council decide to proceed with the conversion of pail closets a great reform would be effected.

## RELATIVE COST OF EMPTYING RECEPTACLES FOR HOUSE REFUSE.

During the months of October and November a record was kept of the relative cost of emptying middens, ashpits and ashbins, and a tabulated summary of the same is as follows:—

|                | Nb. of<br>Receptacles<br>Emptied. | Houses<br>Using. | Cost per<br>Receptacle. | Actual<br>Total Cost.<br>Two Months. |
|----------------|-----------------------------------|------------------|-------------------------|--------------------------------------|
| Ashbins ... .. | 3797                              | 682              | 0s. 1·43d.              | £22 13 0                             |
| Ashpits ... .. | 669                               | 3891             | 1s. 10·8d.              | £63 10 9                             |
| Middens ... .. | 127                               | 397              | 2s. 2·2d.               | £13 17 3                             |

416 bins are emptied weekly, and 118 fortnightly; there are others, barrels of larger capacity, which are attended to when required. If the ashpits and middens in the foregoing table were converted to ashbins, the cost for the period under review would be:—

|                                       |           |
|---------------------------------------|-----------|
| 3891 houses, 4 visits @ 1·43d. ... .. | £92 14 8  |
| 397 houses, 4 visits @ 1·43d. ... ..  | 9 9 3     |
|                                       | £102 3 11 |

As against actual cost at present £77 8s. 0d. Difference:—£24 15s. 11d.

Assuming that middens and ashpits were emptied every two months, and ashbins every fortnight, the annual cost per receptacle would be:—

|                           |            |
|---------------------------|------------|
| Ashbins, 26 visits ... .. | 3s. 1·18d. |
| Ashpits, 6 visits ... ..  | 11s. 4·8d. |
| Middens, 6 visits ... ..  | 13s. 1·2d. |



There are in the Borough 324 middens, 1,239 ashpits, and 682 ashbins and barrels. The cost of emptying the whole of these regularly as above, taking the foregoing figures as a basis, would be:—

|                                   |       |    |   |
|-----------------------------------|-------|----|---|
| 324 Middens @ 13s. 1·2d. ... ..   | £212  | 4  | 5 |
| 1,239 Ashpits @ 11s. 4·8d. ... .. | £706  | 4  | 7 |
| 682 Ashbins @ 3s. 1·18d. ... ..   | £105  | 13 | 0 |
|                                   | <hr/> |    |   |
|                                   | £1024 | 2  | 0 |

The amount allowed in the 1913 estimate for the collection of house refuse, team and manual labour was £712. There are 5,185 inhabited houses in the Borough, and the collection of house refuse from these, by a system of galvanised dust bins at 3s. 1·18d. per house, would cost approximately £800 per annum, an estimated saving of £200 per annum on the present system.

### DISPOSAL OF HOUSE REFUSE.

At the present time a large proportion of the house refuse is carted to the Depôt in Armytage Road, where the ashes are manipulated as described in my last Annual Report. During 1913, 3,127 loads were dealt with at the Depôt, and 2,370 loads were taken to tips. For many years the department has had the financial advantage of tipping house refuse at a comparatively short distance from the centre of the town. Until two years ago the Bramston Street tip was taken advantage of, also for many years previously the present Recreation Ground at Lane Head, Brighouse, and land now known as the Fair Ground, Rastrick Common, were depositories for house refuse. The two permanent tips at present in use are situate on the outskirts of the Borough at its highest points. The one at Lower Edge is  $1\frac{7}{8}$  miles distant, and the one at Hove Edge  $1\frac{2}{3}$  miles distant from the centre of the town. The abolition of other tips nearer the centre is one of the chief reasons why an additional amount will be required in 1914-15 to cope with this problem.

From a sanitary point of view there can be no superior to destruction of house refuse by fire, though if the heat generated is not made use of it is an expensive method, the utilisation of the steam is the factor which should therefore be considered carefully. In one district mentioned in my scavenging report the Destructor is the property of the Electricity Committee, who pay the Sanitary Committee one shilling per ton for all refuse burnt. At an adjacent County Borough to Brighouse the Sanitary Committee received from the Electricity Committee during 1912 £1,759 from this source.

The following tabulation is extracted from my report on the scavenging of the Borough, issued in December, 1913, and illustrates the financial part of the whole scheme of conversion. The Health aspect cannot be set down in figures, there cannot, however, be the slightest doubt but that the inhabitants of the Borough would gain materially because of less sickness and physically because of a better environment due to a superior sanitary service.

Summary of the estimated cost of converting pail closets to water-carriage and the provision of a destructor.

|  | £     | s. | d. |
|--|-------|----|----|
| Collection of house refuse from galvanised bins ... ..   | 800   | 0  | 0  |
| Destructor. Annual payment for interest and sinking fund on loan of £4,000 ... ..                | 300   | 0  | 0  |
| Annual maintenance—Wages ... ..  | £200  |    |    |
| „ „ Repairs ... ..   | £200  |    |    |
|  | 400   | 0  | 0  |
| Conversion of pail closets. Annual payment for interest and sinking fund on loan of £6,375... .. | 476   | 0  | 0  |
| Annual cost of water for flushing ... ..   | 365   | 0  | 0  |
| Annual cost of treating sewage... ..   | 70    | 0  | 0  |
| Total annual cost of new system ... ..   | £2411 | 0  | 0  |
| Deduct cost of present system of collection of house refuse and closet pails... ..               | 1730  | 0  | 0  |
| Additional cost over present system... ..  | £681  | 0  | 0  |

#### OR

|   |       |   |   |
|---|-------|---|---|
| Total annual cost of new system ... ..                                      | £2411 | 0 | 0 |
| Deduct estimated cost of efficiently carrying out the present system ... .. | £2024 | 0 | 0 |
| Additional cost over present system if efficiently carried out ... ..       | £387  | 0 | 0 |

#### END OF TWENTY YEARS.

|   |      |   |   |
|---|------|---|---|
| Deduct annual payments for conversion and destructor loans ... .. | £776 | 0 | 0 |
| Resulting saving per annum ... ..                                 | £389 | 0 | 0 |

The following tabulated statements show the amount of work during each month of the year:—

#### COLLECTION.

| Month            | Dust Bins | Dry Ashpits | Wet Ashpits | Tubs    | Tanks | Total   |
|------------------|-----------|-------------|-------------|---------|-------|---------|
| January ... ..   | 2220      | 556         | 112         | 12,398  | 5     | 15,291  |
| February ... ..  | 1872      | 565         | 97          | 10,944  | 5     | 13,483  |
| March ... ..     | 2221      | 444         | 86          | 12,840  | 11    | 15,602  |
| April ... ..     | 2026      | 491         | 79          | 12,012  | 9     | 14,617  |
| May ... ..       | 2065      | 555         | 74          | 12,166  | 11    | 14,871  |
| June ... ..      | 1934      | 530         | 89          | 11,500  | 5     | 14,064  |
| July... ..       | 1720      | 1037        | 107         | 12,518  | 10    | 15,392  |
| August ... ..    | 2258      | 384         | 33          | 10,983  | 5     | 13,663  |
| September ... .. | 2125      | 499         | 40          | 9,114   | 6     | 11,784  |
| October... ..    | 2338      | 466         | 86          | 11,949  | 13    | 14,852  |
| November ... ..  | 2203      | 429         | 71          | 10,710  | 5     | 13,418  |
| December ... ..  | 2155      | 550         | 82          | 11,781  | 5     | 14,573  |
|                  | 25,137    | 6,506       | 956         | 138,921 | 90    | 171,610 |



## DISPOSAL.

| Month.        | DEPOT. |        |       |       | Bram- |         |        | OTHER |        |        |
|---------------|--------|--------|-------|-------|-------|---------|--------|-------|--------|--------|
|               | Vans.  | Carts. | Dept. | Dept. | ston  | Hipper- | Elland | Vans. | Carts. | Total. |
| January ...   | 506    | 304    | 44    | 10    | 16    | 43      | 47     | 83    | 148    | 1201   |
| February ...  | 448    | 230    | 37    | 20    | 15    | 26      | 39     | 72    | 170    | 1057   |
| March ...     | 476    | 246    | 39    | 6     | 23    | 37      | 35     | 76    | 163    | 1101   |
| April ...     | 480    | 248    | 5     | —     | 16    | 32      | 23     | 76    | 189    | 1064   |
| May ...       | 458    | 220    | 5     | 17    | 7     | 38      | 35     | 95    | 222    | 1097   |
| June ...      | 435    | 256    | 7     | —     | 14    | 33      | 27     | 94    | 124    | 990    |
| July ...      | 469    | 266    | 4     | —     | 29    | 32      | 21     | 100   | 132    | 1053   |
| August ...    | 429    | 189    | —     | —     | 2     | 22      | 15     | 94    | 92     | 843    |
| September ... | 434    | 252    | —     | —     | 39    | 20      | 23     | 112   | 64     | 942    |
| October ...   | 453    | 266    | —     | —     | 16    | 62      | 48     | 116   | 116    | 1077   |
| November ...  | 402    | 286    | —     | —     | 22    | 33      | 32     | 108   | 80     | 963    |
| December ...  | 445    | 364    | —     | —     | 13    | 43      | 50     | 114   | 61     | 1090   |
|               | 5435   | 3127   | 141   | 53    | 212   | 421     | 395    | 1140  | 1554   | 12478  |

## EXPENDITURE.

|                    | Disposal at Depot. |    |    | Nightsoil. |    |    | Collection of House Refuse |    |    | Total. |    |    |
|--------------------|--------------------|----|----|------------|----|----|----------------------------|----|----|--------|----|----|
|                    | £                  | s. | d. | £          | s. | d. | £                          | s. | d. | £      | s. | d. |
| By Team Labour ... | 15                 | 13 | 9  | 486        | 14 | 1  | 431                        | 5  | 5  | 933    | 13 | 3  |
| „ Manual Labour..  | 298                | 13 | 3  | 260        | 5  | 9  | 227                        | 19 | 1  | 786    | 18 | 1  |
|                    | £314               | 7  | 0  | 747        | 19 | 10 | 659                        | 4  | 6  | 1720   | 11 | 4  |

## INCOME.

|                          | £    | s. | d. |
|--------------------------|------|----|----|
| Manure ...               | 43   | 12 | 6  |
| Breeze ...               | 33   | 1  | 8  |
| Trade Refuse...          | 11   | 10 | 6  |
| Receptacles ...          | 2    | 5  | 0  |
| Galvanised Dust Bins ... | 6    | 0  | 0  |
| Scrap Glass ...          | 14   | 14 | 2  |
| Tins ...                 | 22   | 1  | 7  |
| Disinfectants ...        | 3    | 14 | 2  |
| Fish Offal...            | 16   | 2  | 11 |
| Tipping ...              | 2    | 19 | 9  |
| Flushing Drains ...      | 0    | 16 | 0  |
| Cartage ...              | 1    | 1  | 0  |
| Easements ...            | 0    | 1  | 0  |
|                          | £158 | 0  | 3  |

# HOUSING AND HEALTH

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Work done during 1913 under the Housing (Inspection of District) Regulations, 1910. Sub-Section (1), Section 7 of the Housing Town Planning, &c., Act., 1909, enacts that "It shall be the duty of every Local Authority to cause to be made from time to time inspection of their district with a view to ascertain whether any dwelling-house therein is unfit for human habitation, and for that purpose it shall be the duty of every Local Authority and of every Officer of the Local Authority to comply with such regulations and keep such records as may be prescribed by the Local Government Board."

In compliance with the foregoing 226 houses have been inspected, and records of each house made on the card index system, as follows:— 1911, 35; 1912, 66; 1913, 125; total, 226.

Of all the duties falling within the province of a Sanitary Inspector there are none more important, so full of high possibilities, and none which call more loudly for immediate attention than Housing Inspection. In a comparatively old town, such as Brighouse is known to be, the urgency is very evident.

The Local Government Board has advised that the worst houses should be inspected first, and this is the line of conduct which has been pursued. From an examination of the accompanying tabulated statement this will be found evident, for defects have been found at every house inspected under the regulations during the year. It will therefore be seen that the value of work accomplished is greater than a numerical estimate would lead one to conclude was the case.

## CELLAR DWELLINGS.

The Public Health Act, which came into being in 1875, states that cellar dwellings connected to houses built or rebuilt since 1848 shall not be occupied separately as dwellings, and those in existence at that date shall not be occupied separately as dwellings unless the cellar is 7 feet in height, and is at least 3 feet of its height above the surface of the street or ground adjoining, and have an open area outside extending along the whole front of a width of at least 2ft. 6in. in every part, and an external window area of 9 superficial feet at the least.

The Housing Act, 1909, extends the definition of cellar dwellings as a room habitually used as a sleeping place (whether occupied with the house above or not), the floor of which is more than 3 feet below the surface of the part of the street adjoining or nearest to the room.

The whole of the cellar dwellings in the Borough were inspected during the year, and notices to close served upon the owners of 12 of them. On December 31st nine had ceased to be habitually used as sleeping places. For 39 years these cellars have been illegally occupied as separate dwellings.

## OVERCROWDING.

Eleven cases of overcrowding were found during the year, eight upon receipt of information and three as a result of housing inspection. In Brighouse the standard or minimum requirement of free air space per adult is 300 cubic feet, and 150 for each child under 12 years of age.



This is the standard enforced in common lodging houses, and is a very low requirement. It has been scientifically estimated that a minimum air space of 1,000 cubic feet is necessary with efficient ventilation for each adult. Unfortunately it is not practicable to enforce this requirement owing to the mistaken economical ideas of modern building methods, which apparently aim at constructing dwellings of as limited a size as antiquated building bye-laws will allow, to the exclusion of those inexpensive but essential health necessities—light and air. Many Sanitary Authorities now require 400 cubic feet of air space per adult, and it is advisable that this should be the adopted standard for overcrowding in Brighouse.

The standard of overcrowding adopted by the Registrar General in the census returns just published has caused some uneasiness locally. This estimate is based on a standard of two persons per room. Should the number of persons in a house be more than double the number of rooms, the whole of that family is tabulated in the census returns as living in a condition of overcrowding.

Obviously it is impracticable at a census to obtain the measurements of every dwelling in the country, although to definitely arrive at the exact condition of overcrowding in any given town that is the only satisfactory method.

The Registrar General's figures, important and valuable as they are as an index of the relative condition of overcrowding in different towns and counties in the kingdom, are of no real value as showing the number of cases of overcrowding in any town. As an example, take Brighouse. A large proportion of houses occupied by the working classes are old-fashioned houses, built in the days when it was usual to use the bedroom for handloom weaving in addition to its use as a sleeping apartment, the consequence is you find—and this applies to many towns in the West Riding of Yorkshire—the whole of the upper portion of the houses consisting of one large room of unusual cubical capacity, and, although many times there is cause for complaint of the sleeping in one room by persons of opposite sexes, yet the room satisfies the authorities in regard to the air space per person. In the modern house for the workers, on the same area of land, it is a common experience to find two bedrooms and a w.c. apartment squeezed in. The method adopted at the census would indicate greater freedom from overcrowding in the modern house, although the cubical contents may be greater in the two-roomed house.

For the purpose of comparison the 125 houses inspected during the year have been reckoned on the basis of overcrowding adopted at the census and on the basis of 300 cubic feet per adult person, the local standard. The figures worked out at seven cases of overcrowding by the Registrar General's method and three by the Brighouse method, which is the one used by all Health Officials.

#### PAVING OF STREETS AND YARDS.

The paving of many of the bye streets and yards in the town is defective. It is surprising to find in a town where stone is abundant such a large number of side streets remaining unpaved. From a health point of view an impervious street or yard surface is of prime importance. One of the inconsistencies lies in the fact that thousands of tons of stone are exported annually, and yet we fail to pave our own streets.



## CLOSET ACCOMMODATION.

Four hundred and eighty-one old-fashioned midden privies still exist in the town. Their conversion to water carriage will be pressed forward until every one of this type is extinct. Fortunately the Corporation have extended powers under a local Act, passed in 1907, whereby the work is greatly facilitated. The coming year is expected to be noted for the abolition of the great majority of these ancient mis-named sanitary conveniences.

The following is a tabulated summary of work done under the Housing Town Planning, &c., Act, 1909:—

- \* 9, Toothill Bank Place.—Offensive midden privy, defective drain, defective eave and fall spout, defective sink waste pipe.
- \* 7, Toothill Bank Place.—Defective sink waste pipe.
- \* 5,       ,,       ,,       Insufficient closet accommodation, defective roof, ventilation, defective drain.
- \* 3, Toothill Bank Place.—Ventilation, defective drain, defective sink waste pipe.
- \* 1, Toothill Bank Place.—Ventilation, defective drain, defective eave and fall pipe, defective sink waste pipe.
- \* 20, Toothill Bank.—Offensive midden privy.
- \* 22,       ,,       Insufficient closet accommodation, defective roof.
- 13, Scotty Bank.—Offensive midden privy, defective sink waste pipe.
- 15,       ,,       Offensive midden privy, defective eave and fall pipe, defective sink waste pipe, defective chimney.
- 17, Scotty Bank.—Defective drain, defective sink waste pipe.
- 19,       ,,       Offensive midden privy.
- 21,       ,,       Offensive midden privy, ventilation.
- 23,       ,,       Ventilation.
- 25,       ,,       Insufficient closet accommodation, defective eave and fall pipe.
- 1, Scotty Croft Lane.—Offensive midden privy, ventilation, defective sink stone, defective sink waste pipe, defective chimney.
- 1, Thornhill Road.—Offensive midden privy, defective sink waste pipe.
- 3,       ,,       Defective sink waste pipe.
- 5,       ,,       Offensive midden privy, defective sink waste pipe.
- 7,       ,,       Defective drain, defective sink waste pipe.
- 9,       ,,       Offensive midden privy, defective drain, defective sink waste pipe.
- 11, Thornhill Road.—Defective drain, defective sink waste pipe.
- 13,       ,,       Offensive midden privy, defective drain, defective sink waste pipe.
- 14, George Street.—Defective drain, defective sink waste pipe.
- 12,       ,,       Offensive midden privy, defective drain, defective eave and fall pipe, defective sink waste pipe.
- 10, George Street.—Defective drain, defective sink waste pipe.
- 1, George Terrace.—Offensive midden privy, defective drains, defective eave and fall pipe, defective sink waste pipe.
- 3, George Terrace.—Defective drain, defective sink waste pipe.
- 5,       ,,       Offensive midden privy, defective drain, defective eave and fall pipe, defective sink waste pipe.
- 7, George Terrace.—Defective drain, defective sink waste pipe.
- 9,       ,,       Offensive midden privy, defective drain, defective sink pipe.



- \* 2, Heaton's Yard.—Defective drain, defective food storage accommodation.
- \* 4, Heaton's Yard.—Offensive midden privy, defective drain, defective food storage accommodation.
- \* 6, Heaton's Yard.—Defective roof, defective drain, defective food storage accommodation.
- \* 8, Heaton's Yard.—Offensive midden privy, defective drain, defective food storage accommodation.
- \* 10, Heaton's Yard.—Offensive midden privies, defective drain, defective food storage accommodation.
- \* 12, Heaton's Yard.—Defective drain, defective food storage accommodation.
- \* 14, Heaton's Yard.—Insufficient closet accommodation, house overcrowded, defective drains, defective food storage accommodation.
- 12, Gooder Lane.—Offensive midden privy, defective drain.
- 14, „ Defective eave and fall pipe.
- 16, „ Defective drain, defective floor and wall.
- 18, „ Offensive midden privy.
- \* 8, Clifton Road.—Ventilation, light, defective floor and wall, defective sink waste pipe.
- \* 6, Clifton Road.—Defective yard paving, ventilation, defective floor and wall, defective sink waste pipe.
- \* 4, Clifton Road.—Offensive pail closet and ashpit, defective sink waste pipe.
- \* 2, Clifton Road.—Ventilation, defective floor and wall, defective sink waste pipe.
- \* 7, Clifton Road.—Offensive pail closet and ashpit.
- \* 9, „ Defective eave and fall spout, defective sink waste pipe.
- \* 11, Clifton Road.—Offensive pail closet and ashpit.
- 2, Longroyd Road.—Offensive midden privy, defective eave and fall spout, defective sink waste pipe.
- 4, Longroyd Road.—Offensive midden privy, defective eave and fall spout.
- 6, Longroyd Road.—Offensive midden privy, defective sink waste pipe.
- 8, „ Offensive midden privy, defective eave and fall spout, defective sink waste pipe.
- 4, Tofts Grove.—Offensive midden privy, house damp, defective sink stones, defective eave and fall spout, defective food storage accommodation.
- 2, Tofts Grove.—Defective sink stone, defective eave and fall spout.
- \* 4, Crowtrees Lane.—Defective eave and fall spout, defective sink waste pipe.
- \* 6, Crowtrees Lane.—Offensive midden privy, defective eave and fall spout.
- \* 1, Albion Street.—Defective drain, defective eave and fall spout.
- \* 3, „ Insufficient closet accommodation, defective drain.
- \* 5, „ Offensive pail closet and ashpit, defective drain.
- \* 28, Halifax Road.—Defective drain.
- \* 30, „ Defective drain.
- \* 32, „ Defective drain.
- \* 34, „ Defective drain.
- 91, Elland Road.—Defective eave and fall spout.
- 93, „ Defective eave and fall spout, defective floor and wall.
- 95, Elland Road.—House requiring cleaning, defective sink waste pipe.
- 97, „ House requiring cleaning, house overcrowded, drain requiring connecting to sewer, defective eave and fall spout, defective sink waste pipe.



- 99, Elland Road.—Offensive pail closet and ashpit, defective sink stone, defective eave and fall spout.
- 101, Elland Road.—Defective yard paving, house requiring cleaning, defective sink stone, defective eave and fall spout.
- \* 103, Elland Road.—Defective sink stone, defective eave and spout.
- \* 105,       ,,       Offensive midden privy, defective sink waste pipe.  
Remarks: Midden privy abolished, w.c. provided.
- 84, Bank Street.—Offensive midden privy.
- 7,       ,,       Offensive pail closet and ashpit, defective sink waste pipe.
- 5, Bank Street.—Drain requiring connecting to sewer, defective sink stone, defective drain.
- 2, Vine Grove.—Drain requiring connecting to sewer, defective drain.
- 4,       ,,       Drain requiring connecting to sewer, defective drain.
- 6,       ,,       Drain requiring connecting to sewer, defective drain.
- 8,       ,,       Offensive pail closet and ashpit, drain requiring connecting to sewer.
- 10, Vine Grove.—Offensive pail closet and ashpit, drain requiring connecting to sewer, defective drain, defective sink waste pipe.
- 12, Vine Grove.—Drain requiring connecting to sewer, defective sink waste pipe.
- 2 Vine Place.—Drain requiring connecting to sewer, defective drain.
- 4,       ,,       Drain requiring connecting to sewer, defective drain.
- 6,       ,,       Drain requiring connecting to sewer, defective sink waste pipe.
- \* 8, Vine Place.—Offensive midden privy, drain requiring connecting to sewer. Remarks: Midden privy abolished, w.c. provided.
- 2, Vine Court.—Drain requiring connecting to sewer.
- 4,       ,,       Drain requiring connecting to sewer.
- 6,       ,,       Drain requiring connecting to sewer.
- 8,       ,,       Drain requiring connecting to sewer.
- 10,       ,,       Drain requiring connecting to sewer.
- 12,       ,,       Offensive pail closet and ashpit, drain requiring connecting to sewer.
- 14, Vine Court.—Drain requiring connecting to sewer, defective eave and fall spout.
- 16, Vine Court.—Offensive pail closet and ashpit, drain requiring connecting to sewer, defective eave and fall spout, defective floor and wall.
- \* 1, Woodland Grove.—House overcrowded, defective eave and fall spout.
- \* 3,       ,,       Defective sink stone, defective drain.
- \* 5,       ,,       Defective sink stone, defective drain.
- \* 7,       ,,       Defective sink stone, defective drain.
- \* 9,       ,,       Defective sink stone, defective drain.
- \* 11,       ,,       Defective sink stone, defective drain.
- \* 13,       ,,       Defective sink stone, defective drain.
- \* 40, Woodbottom Lane.—House damp, defective sink stone, defective drain, defective eave and fall spout. Remarks: Drain reconstructed.
- \* 38, Woodbottom Lane.—House damp, defective sink stone, defective drain, defective eave and fall spout. Remarks: Drain reconstructed.
- \* 36, Woodbottom Lane.—House damp, defective sink stone, defective drain, defective eave and fall spout. Remarks: Drain reconstructed.
- \* 34, Woodbottom Lane.—House damp, defective drain. Remarks: Drain reconstructed.



- 293, Halifax Road.—Insufficient closet accommodation, defective sink stone, defective drain.
- 295, Halifax Road.—Offensive midden privy, defective roof, defective drain, defective floor and wall.
- 297, Halifax Road.—House damp, defective sink stone, defective floor and wall, defective sink waste pipe.
- 299, Halifax Road.—Offensive midden privy, defective drain, defective eave and fall spout, defective floor and wall.
- 301, Halifax Road.—Defective sink stone, defective drain.
- 56 Wood Top.—Insufficient closet accommodation, defective drain.
- 54, „ House damp, defective roofs, ventilation, defective sink stone.
- 52, Wood Top.—Offensive midden privy, defective roof, ventilation, defective sink waste pipe.
- 50, Wood Top.—Insufficient closet accommodation, defective roof, defective sink stone,.
- 48, Wood Top.—House unfit for human habitation.
- \* 1a, Barton Street.—Cellar dwelling unfit for human habitation.
- \* 10a, „ Cellar dwelling unfit for human habitation.
- \* 10, Brooke Street.—Cellar dwelling unfit for human habitation.
- \* 20, „ Cellar dwelling unfit for human habitation.
- \* 6, Back New Street.—Cellar dwelling unfit for human habitation.
- \* 10, „ Cellar dwelling unfit for human habitation.
- 10, New Street.—Cellar dwelling unfit for human habitation.
- 14, „ Cellar dwelling unfit for human habitation.
- 20, „ Cellar dwelling unfit for human habitation.
- \* 24, „ Cellar dwelling unfit for human habitation.
- 20a, Vulcan Street.—Cellar dwelling unfit for human habitation.
- \* 1a, George Mount.—Cellar dwelling unfit for human habitation.

\* Denotes works completed.

#### SUMMARY OF HOUSING INSPECTIONS.

| No. of houses<br>inspected. | No. of rooms<br>inspected. | Average<br>No. of<br>rooms per house. | No. of<br>occupants. | Average No.<br>of persons<br>per room. |
|-----------------------------|----------------------------|---------------------------------------|----------------------|--|
| 125.                        | 324.                       | 2.5.                                  | 414.                 | 1.2.                                   |

In conclusion, I take this opportunity of gratefully acknowledging the valuable assistance given to me by the Chairman (Mr. Alderman Roberts), the Vice-Chairman (Councillor E. Armitage), and the members of the Health Committee, in the endeavour to improve the sanitary condition of the Borough.

I remain, Mr. Mayor and Gentlemen,

Your faithful servant,

RICHARD ALLISON.

High Street, Brighouse,

1st March, 1914.

To the Chairman and Members of the Health Committee of the Council  
of the Borough of Brighouse.

Gentlemen,

In presenting to you my third annual report on the inspection of dairy cows, I find that the general health of the cows, from which the milk supply of the Borough is got, is fairly satisfactory. The general condition of the cows in the district has slightly improved since my last report. So, also, have the housing and sanitary conditions, although there is still room for improvement in these respects. The amount of light and proper ventilation in a number of cowsheds is the general fault to be found with regard to the keeping of the animals in a healthy condition.

The cleanliness of the cowsheds and surroundings has also improved.

During the ten months the Tuberculosis Order has been in force, nine cases of Tuberculosis have been reported. Five of the cases have been within the Borough, and slaughter has been carried out; and four cases of Tuberculosis outside the Borough area, these being slaughtered by the Inspector of the West Riding County Council. Two cases of suspected Tuberculosis were sent to the knacker without being reported, being described by the owners as mastitis.

There have been no cases of suspected Tuberculosis of the udder, and no samples of milk have been taken for examination.

I find there is still a reluctance on the part of the owners to report Tuberculosis in the earlier stages of the disease.

The symptoms of advanced Tuberculosis are fairly well known to most cowkeepers, but in the earlier stages of the disease the symptoms are not so well marked, and are treated by the owners as some simple ailment, and expert opinion is not sought for, hence the cases of reported Tuberculosis are mostly all advanced cases.

The owners of milch cows therefore complain of the inadequate compensation paid for slaughtered animals, whereas if, in the earlier stages of the disease, where a doubt exists, expert opinion was sought, better compensation would be paid, and part of the animal at least might be of marketable value.

I am, gentlemen,

Your obedient servant,

JAMES BELL, M.R.C.V.S.



REPORT OF THE LADY HEALTH VISITOR  
FOR THE YEAR, 1913.

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Mr. Chairman and Gentlemen,—

During the year reported upon, visits were made to the homes of 360 newly-born infants; 10 of this number were illegitimate. It is satisfactory to note that generally fewer cases of doubtful methods of feeding have come to light, and fewer infants under six months were found to be having unsuitable diet.

Dummies, or comforters, I regret to state, are still common. On the other hand the antiquated long tube bottle, which has been responsible for so much evil in the past, is now seldom seen.

The Health Visitor's association with the Schools, which brings to her knowledge rickety conditions in older children, enables her to locate some of the parents who are prone to errors in feeding, and to make searching enquiries concerning the food given to younger members of such families.

There is no doubt that conviction of the truth of advice given is carried home with greater force when visible defects, resulting from ill feeding, are pointed out to them.

Much verminous bedding has been disinfected from homes visited by the Sanitary Staff, in this way completely getting rid of the trouble.

Much ignorance and superstition are banished by health visiting, and many defects and nuisances are discovered.

| No. of births<br>notified. | No. whose homes<br>were visited. | No. of homes<br>revisited.                                | Total number<br>of visits made. |
|----------------------------|----------------------------------|---|---------------------------------|
| 372.                       | 360.                             | 244.  | 265.                            |
| Attended by a<br>doctor.   | Attended by a<br>midwife.        | No. insanitary conditions<br>referred to the Health Dept. |                                 |
| 220.                       | 152.                             | 19.   |                                 |

I am, Mr. Chairman and gentlemen,

Yours obediently,

M. G. COOK.

*BOROUGH OF BRIGHOUSE.*

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Education Department.



Report of Medical Inspector for  
1913.



TO THE CHAIRMAN AND MEMBERS OF THE EDUCATION  
COMMITTEE.

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Madam and Gentlemen,—

Reference to the first page of the tables in this report, which it is now my pleasure to present to you, will show that a very large number of scholars have been medically inspected throughout the year. I may briefly recapitulate the numbers in the previous years' inspections, especially for the benefit of the new members of your Committee. Thus in

|      |      |                         |   |
|------|------|-------------------------|---|
| 1909 | 934  | scholars were examined. |   |
| 1910 | 943  | „                       | „ |
| 1911 | 911  | „                       | „ |
| 1912 | 1012 | „                       | „ |

Whilst the increase in 1913 took up the figures to 1,173. These numbers include also the non-routine cases. (See explanatory note, Table III.)

For the information also of the new members of your Committee I may perhaps be allowed to note the course of procedure in these inspections.

It is the rule since 1910 for every child to be medically inspected during the first year of its attendance at school, no matter what its age, 3, 4 or 5, &c. These are classed as entrants, and all scholars at such an age as likely to be leaving school must be examined in the last twelve months of their education as regards Elementary Schools. The chief aim is that every scholar should be examined at least three, and, if possible, four times during its school life, and, judging by the groups now in existence since 1910, there will be little difficulty about the four times in the future. When it has been decided which school should be visited, and what age groups examined, your School Nurse (Miss M. G. Cook) sends notice to the Head Teacher at least a fortnight before the proposed date of inspection. By this means, if the date selected should be inconvenient for that particular school, the Teacher has the opportunity of calling the Nurse's attention to the fact. Otherwise, then forms are forwarded to the Teachers to be filled in by them and returned to the Nurse, who with the part clerical assistance provided prepares the schedules and issues notices to the Parent or Guardian of each child to be examined. These notices intimate the date and hour of the intended inspection, and include a request for the presence of the Parent, &c., at the same.



I am sorry to say that very few Parents or Guardians respond to these invitations. Presumably they are satisfied with the knowledge that any defects found will be brought promptly to their notice; but this, in my opinion, is not sufficient. I take it to be the duty of the parent to be present, especially at the earlier examinations, if not conveniently at all. It would not take up very much of their time if they attended every inspection of their individual children—about four times in eight or ten years—and it is much easier to point out defects and the suggested remedy for the same at the time of inspection than at a later period. It is gratifying to know, however, that the School Nurse's visits and re-visits to the homes of the defective and ill-cared for scholars have in the majority of instances been instrumental in marked improvement resulting, though in this town, as elsewhere, it has occasionally been necessary to bring pressure to bear on parents who have neglected their duties.

When the date of the examination came round it was the custom of the Nurse to visit the school in the morning and weigh and measure each child, at the same time making note of the condition of the body, head, clothing, footgear, &c.; but now, on the advice of Dr. Crowley, Inspector for the Board of Education, the inspection as a whole is completed at the one sitting. The child is weighed and measured; then notes are recorded of about twenty-five various items regarding its condition; defects are pointed out to the parent if present, and in the latter's absence written notices are sent to such where medical attention is necessary for the child.

Following the sending out of these notices visits are made to the homes of the children by your Nurse, and in very many instances by myself; and, in addition, the supervision of the urgent cases is carried out by a small committee of ladies acting jointly with the Nurse. And to this After-Care Committee I desire to tender my sincere thanks for the assistance they have, and so willingly, given in what can only be considered an arduous undertaking.

One particular item stands out very prominently in the course of a year's inspection, and it is the great reluctance people seem to have with regard to the care of their children's teeth. Ignoring, of course, the younger groups of children, it will be noticed that a large percentage of the older scholars suffer in a marked degree with carious teeth. As the question of Dental treatment on an organised plan is being considered by your Committee, I need only now add that I trust the necessary arrangements for carrying out this work will soon be complete; and in connection with the treatment of visual troubles it has also been considered advisable to have a change of programme, and comment on this will be held over until the next report is due. Very valuable assistance has



been at all times given to me by the Teachers in all matters touching the health of the scholars, and I cordially thank them. I have had on a few occasions to be indebted specially to one or two Head Teachers for bringing to my notice suspicious cases during the recent outbreak of Scarlet Fever, which turned out to be as they feared, and I have no hesitation in saying that their promptitude in this matter materially assisted in checking the spread of the disease.

During the past year the health of the school children may be classed as satisfactory, Scarlet Fever, of course, being the most prominent illness affecting the attendance, though Measles was the only ailment calling for the closure of any particular school—St. Chad's Infants—but only for a period of two weeks.

Scarlet Fever was only notified a very few times in the first quarter of the year, seven cases to be exact; the next three months produced twenty-seven cases, followed in the succeeding quarters by thirty-nine and forty-eight respectively.

The area affected may be roughly compared to a semi-circle, extending from S. Chad's in the North to S. James's in the East, round to Longroyd School in the West, enclosing all the schools in the Borough with the exception of Carr Green School.

S. Andrew's Girls' School had about twenty-five scholars directly or indirectly involved, S. Chad's sixteen, S. Andrew's Boys and Victoria Mixed Schools thirteen each, S. Martin's eleven, S. James's ten, S. Andrew's Infants and Common School nine each, Longroyd and S. Joseph's two each; whilst the list is concluded with two at a Private School and one at the Secondary School.

Chicken Pox and Whooping Cough were slightly prevalent throughout the district, and Mumps at one time was frequently noted in the Southern portion of the town. The usual crop of skin trouble and minor ailments necessitated the absence from school of very many scholars for varying periods. Hardly a day passes during terms without a number of notifications from your School Attendance Officer (Mr. Hepworth), and, though he finds me a lot of work, I take this opportunity of thanking him for his assistance in following up cases of the various infectious diseases.

It had been my intention to have drawn up my report for this past year on the lines suggested in the appendix of the 1912 report of the Medical Officer of the Board of Education, but I found it was impossible to do so in the time at my disposal. In the next Annual Report of Brighouse it will possibly be able to carry out the suggestion. The number of scholars provided with free meals during school terms was forty-

three, and those provided with clogs numbered forty. Might I again suggest—if possibly it can be done—that these meals be provided also during the holidays.

My request, previously tendered, that all schools should be furnished with a separate set of scales and weights, is now practically carried out, and one will be able to feel that there will be correctness in all future measuring and weighing.

Yours faithfully,

FRED. W. MARTIN.



# Medical Inspection of School Children.

Statistical Tables for the Year 1913.

TABLE I. TOTALS.

| Number of Schools Inspected.                  | Number of Departments. | Number of Children medically examined. |              |              |              |               | Non-routine Inspections. |
|---|------------------------|--|--------------|--------------|--------------|---------------|--------------------------|
|   |                        | Age-group 3.                           | Age-group 4. | Age-group 5. | Age-group 8. | Age-group 12. |                          |
|   |                        |  |              |              |              |               |                          |
| 9   | 18                     | 100                                    | 184          | 154          | 280          | 283           | 172                      |
| Total Routine Examinations                    | ...                    | ...                                    | ...          | ...          | ...          | 1001          |                          |
| Total Routine and Non-routine Examinations... | ...                    | ...                                    | ...          | ...          | ...          | 1173          |                          |

TABLE II.—General Results of the Routine Medical Inspections.

| Description.                                  | Age-group 3.   |                 |  | Age-group 4.    |                 |  | Age-group 5.    |                 |  | Age-group 8.    |                 |  | Age-group 12.   |                 |  | Total.          |                 |  |
|---|----------------|-----------------|--|-----------------|-----------------|--|-----------------|-----------------|--|-----------------|-----------------|--|-----------------|-----------------|--|-----------------|-----------------|--|
|   | No of Children | Ratio per cent. |  | No. of Children | Ratio per cent. |  | No. of Children | Ratio per cent. |  | No. of Children | Ratio per cent. |  | No. of Children | Ratio per cent. |  | No. of Children | Ratio per cent. |  |
| <b>Free from Classified</b>                   |                |                 |  |                 |                 |  |                 |                 |  |                 |                 |  |                 |                 |  |                 |                 |  |
| Defect ... ..                                 | 36             | 36.00           |  | 71              | 38.59           |  | 35              | 22.73           |  | 41              | 14.64           |  | 54              | 19.08           |  | 237             | 23.68           |  |
| Defective in one or more respects...          | 64             | 64.00           |  | 113             | 61.41           |  | 119             | 77.27           |  | 239             | 85.36           |  | 229             | 80.92           |  | 764             | 76.32           |  |
| Cases where Parent or Guardian attended ...   | 41             | 41.00           |  | 52              | 28.26           |  | 59              | 38.31           |  | 78              | 27.85           |  | 28              | 9.89            |  | 258             | 25.77           |  |
| Cases where Parent or Guardian advised ...    | 64             | 64.00           |  | 113             | 61.41           |  | 119             | 77.27           |  | 239             | 85.36           |  | 229             | 80.92           |  | 764             | 76.32           |  |
| Primary Visits to Homes by School Nurse ...   | 31             | 31.00           |  | 41              | 22.28           |  | 46              | 29.87           |  | 162             | 57.85           |  | 194             | 68.55           |  | 474             | 47.35           |  |
| Secondary Visits to Homes by School Nurse ... | 4              | 4.00            |  | 9               | 4.89            |  | 21              | 13.63           |  | 52              | 18.57           |  | 39              | 13.78           |  | 125             | 12.48           |  |



# TABLE III.

Analysis of the Results of the Routine Medical Inspections.

| Conditions Recorded.     | Age 3.  |                 | Age 4.  |                 | Age 5.  |                 | Age 8.  |                 | Age 12. |                 | TOTALS. |   |       |
|--------------------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|---|-------|
|                          | Age 3.  |                 | Age 4.  |                 | Age 5.  |                 | Age 8.  |                 | Age 12. |                 | Age     |   |       |
|                          | Number. | Ratio per cent. | Number. | Ratio per cent. | Number. | Ratio per cent. | Number. | Ratio per cent. | Number. | Ratio per cent. | 3       | 4 | 5     |
| Poor Attendance ...      | 6       | 6.00            | 10      | 5.43            | 1       | .64             | 2       | .71             | 2       | .70             | 21      |   | 2.09  |
| Poor Clothing, &c. ...   | 2       | 2.00            | 9       | 4.89            | 16      | 10.38           | 15      | 5.35            | 12      | 4.24            | 54      |   | 5.39  |
| Defective Footgear ...   | 2       | 2.00            | 3       | 1.63            | 1       | .64             | 2       | .71             | 3       | 1.06            | 11      |   | 1.09  |
| Poor Nutrition ...       | 6       | 6.00            | 3       | 1.63            | 4       | 2.59            | 14      | 5.00            | 8       | 2.82            | 35      |   | 3.49  |
| Vermineous Head ...      | 12      | 12.00           | 13      | 7.06            | 19      | 12.33           | 50      | 17.85           | 33      | 11.66           | 127     |   | 12.68 |
| Dirty Body ...           | 6       | 6.00            | 7       | 3.80            | 9       | 5.84            | 10      | 3.57            | 13      | 4.59            | 35      |   | 3.49  |
| Carious Teeth ...        | —       | —               | —       | —               | —       | —               | 135     | 48.21           | 97      | 34.27           | 232     |   | 40.91 |
| Enlarged Tonsils ...     | 27      | 27.00           | 40      | 21.73           | 48      | 31.16           | 64      | 22.85           | 63      | 22.26           | 242     |   | 24.17 |
| Adenoids ...             | 9       | 9.00            | 13      | 7.06            | 9       | 5.84            | 24      | 8.57            | 17      | 6.00            | 72      |   | 7.19  |
| Enlarged Glands ...      | 9       | 9.00            | 17      | 9.23            | 32      | 20.77           | 47      | 16.78           | 35      | 12.36           | 140     |   | 13.98 |
| External Eye Disease ... | 7       | 7.00            | 9       | 4.89            | 11      | 7.14            | 11      | 3.92            | 15      | 5.30            | 53      |   | 5.29  |
| Defective Vision ...     | —       | —               | —       | —               | —       | —               | 76      | 27.14           | 75      | 26.50           | 151     |   | 26.4  |
| External Ear Disease ... | —       | —               | —       | —               | 1       | .64             | 4       | 1.42            | 1       | .35             | 6       |   | .59   |

|                                       |     |     |    |       |     |       |    |       |    |       |     |       |     |       |
|---------------------------------------|-----|-----|----|-------|-----|-------|----|-------|----|-------|-----|-------|-----|-------|
| Impaired Speech                       | ... | ... | 1  | 1.00  | 2   | 1.08  | 3  | 1.94  | 2  | .71   | 7   | 2.47  | 15  | 1.49  |
| " Mental Condition                    | ... | ... | —  | —     | 1   | .54   | 2  | 1.29  | 4  | 1.42  | 3   | 1.06  | 10  | .99   |
| Abnormal Heart                        | ... | ... | —  | —     | —   | —     | —  | —     | 3  | 1.07  | 8   | 2.82  | 11  | 1.09  |
| " Lungs                               | ... | ... | 14 | 14.00 | 15  | 8.15  | 16 | 10.38 | 25 | 8.92  | 13  | 4.59  | 83  | 8.29  |
| Nervous Disease                       | ... | ... | —  | —     | —   | —     | —  | —     | —  | —     | —   | —     | —   | —     |
| Tuberculosis...                       | ... | ... | 1  | 1.0   | —   | —     | —  | —     | 6  | 2.14  | 5   | 1.76  | 12  | 1.19  |
| Rickets                               | ... | ... | —  | —     | 2   | 1.08  | 1  | .64   | 2  | .71   | —   | —     | 5   | .49   |
| Deformities and Spinal Dis.           | ... | ... | 3  | 3.00  | 5   | 2.71  | 6  | 3.89  | 3  | 1.07  | 2   | .70   | 19  | 1.89  |
| Infectious and Contagious Diseases... | ... | ... | 1  | 1.00  | 4   | 2.17  | 2  | 1.29  | —  | —     | —   | —     | 7   | .69   |
| Other Diseases, Anæmia, &c.           | ... | ... | 5  | 5.00  | 5   | 2.71  | 11 | 7.14  | 11 | 3.92  | 10  | 3.53  | 42  | 4.19  |
| Poor Housing                          | ... | ... | 4  | 4.00  | 9   | 4.89  | 6  | 3.89  | 12 | 4.28  | 11  | 3.88  | 42  | 4.19  |
| Unvaccinated                          | ... | ... | 64 | 64.00 | 127 | 69.02 | 75 | 48.70 | 78 | 27.85 | 177 | 62.54 | 521 | 52.04 |

# EXPLANATORY NOTES.

Table I.—“Non-Routine” refers to cases examined not strictly belonging to the age groups selected for routine inspection.

Table III.—Poor Attendance, Poor Clothing and Footgear classified from information given by Teachers by their knowledge of these facts throughout the year, supplemented by examination in the two latter items by School Nurse's report, which is also responsible for returns of Dirty Head or Body.

Teeth.—Carious or decayed not recorded before age group 8.

Vision and Hearing.—In earlier age groups only cases recorded of those plainly abnormal.

**FRED W MARTIN, M.O.H., Brighouse.**



TABLE IV.—Average Heights, 1913.

| AGE.  | GIRLS.                  |        |         |  | BOYS.                   |        |         |   |
|-------|-------------------------|--------|---------|--|-------------------------|--------|---------|---|
|       | BRIGHOUSE AND DISTRICT. |        |         | Brit. Assos., 1883.<br>No. meas., 755. | BRIGHOUSE AND DISTRICT. |        |         | Brit. Assos., 1883.<br>No. meas., 3135. |
|       | No. Meas.               | cms.   | inches. |  | No. Meas.               | cms.   | inches. |   |
| 3-4   | 45                      | 92.10  | 36.26   | 36.8                                   | 55                      | 90.67  | 35.7    | 37.4                                    |
| 4-5   | 90                      | 97.10  | 38.23   | 39.0                                   | 94                      | 98.09  | 38.62   | 39.3                                    |
| 5-6   | 75                      | 101.98 | 40.15   | 41.9                                   | 79                      | 104.26 | 41.05   | 42.35                                   |
| 8-9   | 154                     | 119.71 | 47.13   | 47.10                                  | 126                     | 119.71 | 47.13   | 47.10                                   |
| 12-13 | 171                     | 137.74 | 54.23   | 55.6                                   | 112                     | 136.47 | 53.73   | 53.7                                    |

Average Weights, 1913.

| AGE.  | GIRLS.                  |        |       |                                      | BOYS.                   |        |       |  |
|-------|-------------------------|--------|-------|--------------------------------------|-------------------------|--------|-------|--|
|       | BRIGHOUSE AND DISTRICT. |        |       | Brit. Assos., 1883<br>No. w'd., 951. | BRIGHOUSE AND DISTRICT. |        |       | Brit. Assos., 1883.<br>No. w'd., 2796. |
|       | No. w'd.                | kilos. | lbs.  |                                      | No. w'd.                | kilos. | lbs.  |  |
| 3-4   | 45                      | 14.28  | 31.46 | 33.00                                | 55                      | 14.61  | 32.20 | 33.10                                  |
| 4-5   | 90                      | 15.32  | 33.76 | 34.60                                | 94                      | 16.23  | 35.75 | 35.80                                  |
| 5-6   | 75                      | 16.58  | 36.54 | 38.40                                | 79                      | 17.45  | 38.45 | 38.9                                   |
| 8-9   | 154                     | 22.44  | 49.44 | 51.9                                 | 126                     | 22.52  | 49.61 | 54.8                                   |
| 12-13 | 171                     | 32.01  | 70.51 | 75.7                                 | 112                     | 31.32  | 69.00 | 75.9                                   |

The results of secondary visits made by the School Nurse to the parents of inspected children are as follow:—

| Classification of Cases visited. | No. of Cases attended to. | No. under attention or partly attended to. | No. where attention was promised. | No. of cases not attended to. | Totals. |
|----------------------------------|---------------------------|--|-----------------------------------|-------------------------------|---------|
| Poor Clothing & Footgear         | 5                         | —  | —                                 | —                             | 5       |
| Poor Nutrition ... ..            | 1                         | 2  | —                                 | —                             | 3       |
| Verminous Head ... ..            | 4                         | —  | —                                 | —                             | 4       |
| Dirty Body ... ..                | 3                         | —  | —                                 | —                             | 3       |
| Carious Teeth ... ..             | 3                         | —  | —                                 | 3                             | 6       |
| Tonsils and Adenoids ...         | 11                        | 9  | 2                                 | 9                             | 31      |
| External Eye Disease ...         | 3                         | —  | —                                 | 1                             | 4       |
| Defective Vision ... ..          | 28                        | 10   | —                                 | 20                            | 58      |
| External Ear Disease ...         | —                         | 1  | —                                 | —                             | 1       |
| Defective Hearing ... ..         | 3                         | 2  | —                                 | —                             | 5       |
| Phthisis ... ..                  | —                         | 2  | —                                 | —                             | 2       |
| Anæmia ... ..                    | —                         | 2  | —                                 | —                             | 2       |
| Contagious Skin Disease...       | 2                         | 2  | —                                 | —                             | 4       |
| Deformities ... ..               | —                         | 1  | —                                 | —                             | 1       |
|                                  | 63                        | 31   | 2                                 | 33                            | 129     |

Results of visits made by the After Care of Children Committee:—

| Classification of Cases visited. | No. of Cases attended to. | No. under attention or partly attended to. | No. where attention was promised. | No. of cases not attended to. | Totals. |
|----------------------------------|---------------------------|--|-----------------------------------|-------------------------------|---------|
| Nutrition ... ..                 | —                         | —  | 1                                 | 2                             | 3       |
| Teeth ... ..                     | —                         | —  | 1                                 | 2                             | 3       |
| Tonsils and Adenoids ...         | 2                         | 1  | 1                                 | 2                             | 6       |
| External Eye Disease ...         | 1                         | 1  | 1                                 | —                             | 3       |
| Defective Vision ... ..          | 8                         | 1  | 5                                 | 4                             | 18      |
| Defective Hearing ... ..         | —                         | —  | —                                 | 2                             | 2       |
|                                  | 11                        | 3  | 9                                 | 12                            | 35      |

During the year ten scholars were sent by the Education Committee to Bradford Infirmary for medical treatment. These cases are classified as follows:—

| I.                    | II.               | III.                  | IV.                |
|-----------------------|-------------------|-----------------------|--------------------|
| External Eye Disease. | Defective Vision. | Tonsils and Adenoids. | Nasal Obstruction. |
| 3                     | 5                 | 1                     | 1                  |

A scholar included in group I continues to receive treatment. Prosecution of the parents caused medical treatment to be obtained in one case and continued as long as was necessary.

#### NON-ROUTINE CASES.

Fifty-nine microscopic examinations of ringworm specimens were made, proving fifty-three children to be suffering from that disease.



Children who were excluded from School and followed up by the School Nurse:—

|                  |                  |            |                |          |            |          |              |
|------------------|------------------|------------|----------------|----------|------------|----------|--------------|
| Vermineous Head. | Vermineous Body. | Ring-worm. | Skin Eruption. | Scabies. | Otorrhoea. | Measles. | Chicken Pox. |
| 98               | 10               | 87         | 42             | 4        | 4          | 29       | 30           |
| Number Visited.  |                  |            | Re-visited.    |          | Remedied.  |          |              |
| 328              |                  |            | 287            |          | 213        |          |              |

Scholars treated at the School Clinic are as follow:—

|           |                  |                       |            |
|-----------|------------------|-----------------------|------------|
| Ringworm. | Vermineous Head. | External Eye Disease. | Otorrhoea. |
| 12        | 4                | 7                     | 2          |

Victoria Infants' School.—140 scholars were examined for ringworm, and three cases of that disease were found and excluded from school attendance. After a short period of time had elapsed, the school was again examined, when no fresh cases were discovered. Children suffering from pediculosis were also noted, and the parents dealt with.

Number of unclean children sent from school to Cottage Baths:—

|                |                           |                                   |
|----------------|---------------------------|-----------------------------------|
| Number Bathed. | Number of Heads Cleansed. | Number where Clothing was Stoved. |
| 59             | 4                         | 16                                |

Children receiving free meals are weighed and measured periodically. The table below shows the progress of such children:—

| No of Children.  | Average Height and Weight when commencing Free Meals. |              | Average Height and Weight when finishing Free Meals. |              | Average Gain during the period of receiving Free Meals. |              |
|------------------|---|--------------|--|--------------|---|--------------|
|                  | Height. ins.  | Weight. lbs. | Height. ins.   | Weight. lbs. | Height. ins.  | Weight. lbs. |
| <b>4 years.</b>  |   |              |  |              |   |              |
| Boys 1...        | 34.75   | 35.25        | 34.75  | 36.25        | —   | 1.00         |
| Girls 1 ..       | 33.5  | 30.00        | 35.00  | 32.00        | 1.5   | 2.00         |
| <b>5 years.</b>  |   |              |  |              |   |              |
| Boys 2...        | 40.00   | 42.5         | 40.5   | 39.62        | .5  | —            |
| Girls 3...       | 39.16   | 37.66        | 40.33  | 38.75        | 1.17  | 1.09         |
| <b>6 years.</b>  |   |              |  |              |   |              |
| Boys 1...        | 37.00   | 36.5         | 38.75  | 38.5         | 1.75  | 2.00         |
| Girls 1...       | 45.5  | 47.25        | 45.5   | 49.25        | —   | 2.00         |
| <b>7 years.</b>  |   |              |  |              |   |              |
| Boys 4...        | 40.68   | 41.37        | 41.75  | 41.43        | 1.07  | .06          |
| Girls 1...       | 43.00   | 44.5         | 44.75  | 47.75        | 1.75  | 3.25         |
| <b>8 years.</b>  |   |              |  |              |   |              |
| Boys —...        | —   | —            | —  | —            | —   | —            |
| Girls 1...       | 44.75   | 46.5         | 46.25  | 48.25        | 1.5   | 1.75         |
| <b>9 years.</b>  |   |              |  |              |   |              |
| Boys 1...        | 47.75   | 54.00        | 49.00  | 56.00        | 1.25  | 2.00         |
| Girls 2...       | 47.12   | 54.00        | 48.37  | 59.00        | 1.25  | 5.00         |
| <b>10 years.</b> |   |              |  |              |   |              |
| Boys 2...        | 49.87   | 61.62        | 50.75  | 62.5         | .88   | .88          |
| Girls 1...       | 49.75   | 57.75        | 51.25  | 60.75        | 1.5   | 3.00         |
| <b>11 years.</b> |   |              |  |              |   |              |
| Boys —...        | —   | —            | —  | —            | —   | —            |
| Girls 2...       | 49.75   | 56.25        | 50.25  | 60.25        | .75   | 4.00         |

## AVERAGE HEIGHTS AND WEIGHTS

of all Children Medically Inspected during 1913.

### BOYS.

| School.         | 3 years.       |                | 4 years.       |                | 5 years.       |                | 8 years.       |                | 12 years.      |                |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                 | Height<br>ins. | Weight<br>lbs. | Height<br>ins. | Weight<br>lbs. | Height<br>ins. | Weight<br>lbs. | Height<br>ins. | Weight<br>lbs. | Height<br>ins. | Weight<br>lbs. |
| Common ...      | —              | —              | —              | —              | —              | —              | 46·67          | 47·81          | 53·19          | 66·38          |
| Longroyd ...    | 34·8           | 31·5           | 38·08          | 37·62          | 41·34          | 41·28          | 46·50          | 50·42          | —              | —              |
| Victoria ...    | 34·59          | 33·95          | 38·29          | 34·20          | 41·56          | 39·19          | —              | —              | —              | —              |
| Carr Green ...  | 37·18          | 33·00          | 39·05          | 36·94          | 41·69          | 38·98          | 47·94          | 51·22          | 54·85          | 72·32          |
| St. Martin's... | 36·25          | 32·39          | 38·52          | 34·75          | 39·09          | 34·45          | 46·76          | 49·14          | 52·80          | 68·30          |
| St. James's ... | 34·81          | 30·40          | 38·45          | 34·84          | 40·18          | 36·75          | —              | —              | —              | —              |
| St. Andrew's    | 37·18          | 31·56          | 39·18          | 35·85          | 41·08          | 37·56          | 47·86          | 48·33          | 54·93          | 70·04          |
| St. Joseph's... | 36·25          | 32·25          | 39·25          | 38·00          | 42·25          | 41·75          | 47·25          | 52·37          | 52·75          | 71·16          |
| St. Chad's ...  | 39·00          | 34·00          | 39·6           | 35·85          | 42·14          | 40·00          | 47·79          | 51·58          | 54·12          | 68·67          |

### GIRLS.

| School.         | 3 years.       |                | 4 years.       |                | 5 years.       |                | 8 years.       |                | 12 years.      |                |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                 | Height<br>ins. | Weight<br>lbs. | Height<br>ins. | Weight<br>lbs. | Height<br>ins. | Weight<br>lbs. | Height<br>ins. | Weight<br>lbs. | Height<br>ins. | Weight<br>lbs. |
| Longroyd ...    | 35·18          | 30·21          | 37·97          | 34·34          | 39·57          | 36·33          | 46·98          | 50·67          | 54·13          | 70·35          |
| Victoria ...    | 36·13          | 31·63          | 38·47          | 34·13          | 40·7           | 36·95          | 47·03          | 48·43          | 54·34          | 72·23          |
| Carr Green ...  | 36·3           | 32·55          | 39·35          | 35·32          | 40·32          | 37·57          | 47·67          | 50·45          | 54·79          | 71·80          |
| St. Martin's... | 36·25          | 30·35          | 37·40          | 33·28          | 39·93          | 35·09          | —              | —              | 54·34          | 69·61          |
| St. James' ...  | 36·43          | 32·93          | 36·92          | 31·82          | 39·22          | 36·07          | 46·26          | 47·57          | 52·22          | 67·14          |
| St. Andrew's..  | 37·75          | 32·6           | 38·41          | 31·81          | 40·94          | 36·00          | 47·84          | 50·80          | 55·25          | 71·03          |
| St. Joseph's... | 36·5           | 34·5           | 37·00          | 34·25          | 40·25          | 37·5           | 45·06          | 44·81          | 53·5           | 70·37          |
| St. Chad's ...  | 37·12          | 29·37          | 38·65          | 34·45          | 41·75          | 39·37          | 47·25          | 47·56          | 55·43          | 71·72          |



