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Contributors

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COUNTY BOROUGH OF BURY.

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR

1930.

BY

G. GRANVILLE BUCKLEY,

M.D., D.P.H.,


MEDICAL OFFICER OF HEALTH, CHIEF TUBERCULOSIS OFFICER,

MEDICAL OFFICER TO THE EDUCATION COMMITTEE.

BURY :

PRINTED AT THE "TIMES" OFFICE, CROSS STREET.

1931.



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HEALTH COMMITTEE, 1930.

Chairman Councillor JOHNSON

Deputy-Chairman Councillor SALTER.

| | |
|---|----------------------------|
| HIS WORSHIP THE MAYOR (Alderman A. E. Lees), | Councillor (Mrs.) GOODALL, |
| Alderman BATTERSBY, | „ HARTLEY, |
| „ BRADLEY, | „ HEAP, |
| „ GREENHALGH, | „ HILL, |
| „ HARGREAVES, | „ HOYLE, |
| „ SMITH, | „ (Mrs.) KENYON, |
| „ WILKINSON, | „ PICKLES, |
| Councillor BIRCH, | „ POTTS, |
| „ COLLEN, | „ STEEN, |
| | „ WHITEHEAD |

*Meetings—The Monday in each month immediately preceding the
16th day before the Council, at 10-0 a.m.*

County Borough of Burn.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

Medical Officer of Health, Chief Tuberculosis Officer, and School Medical Officer :

G. GRANVILLE BUCKLEY, M.D., Ch.B., D.P.H.

Assistant Medical Officer of Health, Assistant Tuberculosis Officer, and Assistant School Medical Officer :

MYLES F. FALLON, M.B., Ch.B., D.P.H.

District Inspector of Moorside, East, and part of Redvales Wards, Inspector under Shop Hours' Acts, Inspector under Explosives Act, and Inspector under the Diseases of Animals Acts : JOHN HAWORTH, Cert. R.S.I., Certified Sanitary Engineer, Certified Inspector of Meat and other Food.

*District Inspector for Church, Elton, and part of Redvales Wards, Inspector under Canal Boat Acts, &c. :—*SAMUEL KAY, Cert. R.S.I.

*Smoke Inspector, Inspector of Infectious Diseases, Common Lodging Houses, &c. :—*HENRY MITCHELL, Cert. R.S.I.

*Abattoirs Superintendent, Inspector of Meat, and of Dairies, Cowsheds, and Milkshops; Inspector of Offensive Trades, and Inspector under the Diseases of Animals Acts :—*HARRY WALTON, Cert. R.S.I., Certified Inspector of Meat and other Food.

*Health Visitors, Inspectors of Workshops (where Females are employed), Inspectors under Shop Hours' Acts, Inspectors of Midwives, &c. :—*Nurses S. PENNINGTON, Certified Midwife, B. GREENHALGH, Certified Midwife, E. WEBSTER, Certified Midwife, Cert. R.S.I., and AGNES HOLLINGWORTH, Certified Midwife.

Chief Clerk : L. KAY. *Assistant Clerks :* C. PROPHET & J. CLARK.

PART-TIME OFFICERS.

Venereal Diseases Medical Officer : J. HOLKER, D.Sc., M.D.

District Medical Officers under the Poor Law Acts and Public

*Vaccinators :—*H. SMITH, M.B., D.P.H., and W. GREENLAW, M.B., Ch.B.

Inspector under Food and Drugs Acts :

H. C. CASS (Markets Inspector).

*Borough Analyst :—*THOMAS J. HUTCHINSON, F.I.C.

Veterinary Inspector under Diseases of Animals Acts :

W. PACKMAN, M.R.C.V.S.

PUBLIC HEALTH DEPARTMENT,

CLOUGH STREET,

BURY.

June, 1931.

To the Chairman and Members of the Health Committee.

LADIES AND GENTLEMEN,

I have the honour to present to you my 19th Annual Report on the Health and Sanitary Circumstances of the Borough.

I am pleased to be able to report that the general death rate shows a decrease of 2.99 per 1,000 as compared with the rate of 16.40 per 1,000 for 1929. The birth rate (12.87 per 1,000) also shows a decrease, and is the lowest but one ever recorded in the Borough.

Perhaps the most satisfactory feature of the 1930 report is the further drop in the infant mortality rate—69 per 1,000 births, as compared with 79 per 1,000 in 1929. The rate for 1930 is lower by 2 per 1,000 than the previous lowest recorded rate.

The maternal death rate shows a reduction on that of 1929. There was one maternal death for every 184 births, as compared with one for every 155 births during the preceding year.

The death rate from all forms of tuberculosis is very slightly higher than that of 1929, but here again only one lower rate has previously been recorded.

It is pleasing to note the decrease in the incidence of the principal notifiable infectious diseases, particularly diphtheria, in 1930.

I have commented in previous reports on the neglect of vaccination, and I would again call attention to the low percentage of vaccinations of infants. The figures for the year under review, although an improvement on those for 1929 (15.9 per cent. of children born were vaccinated as compared with 12.8 per cent.) cannot be considered satisfactory.

I take this opportunity of expressing my thanks to all those who have assisted me in the compilation of this report, to the staff of the Public Health Department, and to you, Ladies and Gentlemen, for your sympathy and co-operation.

I am, Ladies and Gentlemen,

Yours obediently,

G. GRANVILLE BUCKLEY,

Medical Officer of Health.

STATISTICS OF THE AREA, 1930.

GENERAL STATISTICS.

| | |
|---|----------|
| Area in Acres | 5,925 |
| Population at Census of 1921 | 56,403 |
| Population (estimated), 1929 (non-civilians excluded) ... | 56,830 |
| Number of Inhabited Houses, 1921 | 13,266 |
| " " " December 31st, 1930 | 15,787 |
| Number of families or separate occupiers, 1921 | 13,891 |
| Rateable Value | £322,353 |
| Sum represented by a penny rate | £1,240 |

In the following summary, extracts from the vital statistics of the year are given:—

| | Total. | Male. | Female. | |
|--------------|-----------------------|---------|---------|---------------------|
| Live Births | Legitimate... 696 ... | 357 ... | 339 | } Birth Rate, 12.87 |
| | Illegitimate.. 39 ... | 17 ... | 22 | |
| | — | — | — | |
| Total | | 735 ... | 374 ... | 361 |

Still Births, 43. Rate per 1,000 total births, 55.

Deaths. Total 762—male 367, female 395. Death Rate, 13.41.

Percentage of total deaths occurring in public institutions, 30.6.

| | | |
|---|-------------------|---|
| Number of women dying in, or in consequence of, childbirth | From sepsis | 3 |
| | From other causes | 1 |

Death Rate of infants under one year of age per 1,000 live births—Legitimate 69, Illegitimate 77 Total 69

| | |
|--|----|
| Deaths from Measles (all ages) | 2 |
| " from Whooping Cough (all ages) | 4 |
| " from Diarrhœa (under 2 years of age) | 6 |
| " from all forms of Tuberculosis | 47 |

VITAL STATISTICS.

Population.—In accordance with a Memorandum from the Ministry of Health stating that the 1930 estimate of the population will not be available before the end of June, and suggesting that the mid-year 1929 estimate population might be used, the mortality rates for the year 1930 have been calculated on the mid-1929 estimate—56,830. For the birth rate, non-civilians to the number of 260 have been included, giving a figure of 57,090 for the calculation of the latter rate. At the Census of 1921 the population of the Borough was returned as 56,403 (26,162 males, 30,241 females).

Births.—During the year 735 births were registered in the Borough, returning a birth rate of 12.87 per 1,000 of the population. With the exception of the rate for 1918 (12.73 per 1,000) the 1930 figure is the lowest on record. The rate for England and Wales is 16.3 per 1,000 of the population.

The illegitimate births numbered 39, being 5.3 per cent. of the total births.

Still Births.—Forty-three still births (26 males and 17 females) were registered, the rate per 1,000 of the population being 0.76 as compared with a rate per 1,000 of 0.69 for England and Wales.

Deaths.—The total number of deaths registered in the Borough during the year 1930 was 952. This number includes the deaths of 245 non-residents which occurred in the Borough. Fifty-five Bury residents died in other parts of the country. The corrected number after deduction of the former deaths and addition of the latter was 762 (367 males, 395 females), being at the rate of 13.41 per 1,000 of the population. This is a reduction of 2.99 per 1,000 on the rate for 1929. The rate for England and Wales was 11.4 per 1,000.

Infantile Mortality.—During the year 51 deaths occurred in children under one year of age. The infant mortality rate was 69 per 1,000 births, which is the lowest rate ever recorded in the Borough. This rate is, however, higher than that for the 107

great towns of England and Wales, which is 64 per 1,000 births. For all England and Wales the rate is 60 per 1,000 births.

The following table shows the number of deaths of infants below one year of age and the rate per 1,000 births in Bury during the past twenty-one years :—

| Year. | Number of deaths below one year of age. | Rate per 1,000 births. |
|-----------------------|---|---------------------------|
| 1910 | 154 | 124 |
| 1911 | 200 | 168 |
| 1912 | 138 | 112 |
| 1913 | 168 | 141 |
| 1914 | 146 | 125 |
| 1915 | 118 | 115 |
| 1916 | 120 | 133 |
| 1917 | 73 | 93 |
| 1918 | 80 | 110 |
| 1919 | 68 | 92 |
| Average for 10 years. | — | 121 |
| 1920 | 102 | 91 |
| 1921 | 93 | 85 |
| 1922 | 78 | 82 |
| 1923 | 88 | 101 |
| 1924 | 63 | 71 |
| 1925 | 63 | 80 |
| 1926 | 62 | 76 |
| 1927 | 62 | 79 |
| 1928 | 67 | 90 |
| 1929 | 61 | 79 |
| Average for 10 years. | — | 83 |
| 1930 | 51 | 69 |

Infantile Mortality in Various Wards.

| | Infant Deaths. | Births. | Deaths per 1000 Births. |
|----------------------|-------------------|---------|----------------------------|
| Moorside Ward | 17 | 171 | 99 |
| East Ward | 12 | 164 | 73 |
| Church Ward | 4 | 88 | 45 |
| Redvales Ward | 9 | 108 | 83 |
| Elton Ward | 9 | 204 | 45 |
| Whole Borough | 51 | 735 | 69 |

The table on page 13 shows the causes of death in the various age groups up to one year.

Child Mortality.—During the year there were 14 deaths (1.83 per cent. of the total deaths) of children between the ages of 1 and 5 years. Of these deaths five were due to Pneumonia (all forms), 3 to Whooping Cough, 2 to Measles, and 1 to Tuberculous diseases other than Respiratory.

Uncertified Deaths.—Forty-eight deaths were the subject of a coroner's enquiry, and 10 deaths were registered without being certified by a doctor or the coroner.

Causes of Death.—The causes of death classified according to age are shown in the table on page 12.

“Heart Diseases” is again the heading under which the greatest number of deaths are recorded, viz., 174, being 22.8 per cent. of the total deaths. Diseases of the respiratory organs (excluding phthisis) were responsible for a total of 118 deaths, which is 15.5 per cent. of the total. Tuberculosis in various forms was responsible for 47 deaths, or 6.2 per cent. of the total. Deaths from the epidemic diseases (including influenza) numbered 23. Deaths from Apoplexy and Arterio-sclerosis numbered 75 and 36 respectively.

Cancer.—Eighty-two deaths were registered as due to some form of malignant disease. This figure is 10.8 per cent. of the total deaths. The mortality rate per 1,000 of the population shows a decrease on the previous year, being 1.44 per 1,000, as compared with 1.71 per 1,000. The numbers for the past ten years are as follows:—

| Year. | No. of Deaths. | Rate per 1000. |
|-------------|----------------|----------------|
| 1921 | 75 | 1.30 |
| 1922 | 69 | 1.20 |
| 1923 | 85 | 1.48 |
| 1924 | 98 | 1.72 |
| 1925 | 91 | 1.60 |
| 1926 | 68 | 1.20 |

| Year | No. of Deaths. | Rate per 1,000 |
|------------|----------------|----------------|
| 1927 | 77 | 1.35 |
| 1928 | 85 | 1.49 |
| 1929 | 97 | 1.71 |
| 1930 | 82 | 1.44 |

Average rate per 1,000 of the population for the 10 years, 1.45.

The following table gives details of the deaths from Cancer during the year:—

Cancer Deaths, 1930.

| SITE OF DISEASE. | AGE GROUPS. | | | | | | | | | | | | TOTALS. | |
|---|-------------|----|-------|----|-------|----|-------|----|-------|----|---------|----|---------|----|
| | 25—35 | | 35—45 | | 45—55 | | 55—65 | | 65—75 | | Over 75 | | | |
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. |
| Buccal Cavity | .. | .. | .. | .. | 1 | .. | 2 | .. | 1 | .. | 1 | 1 | 5 | 1 |
| Pharynx, Oesophagus, Stomach and Liver | 1 | .. | 1 | .. | .. | .. | 4 | 1 | 8 | 2 | 2 | 3 | 16 | 6 |
| Peritoneum, Intestines and Rectum | .. | .. | .. | .. | .. | 1 | 3 | 2 | 4 | 6 | 1 | 2 | 8 | 11 |
| Female Genital Organs | .. | .. | .. | .. | .. | 4 | .. | 1 | .. | 2 | .. | .. | .. | 7 |
| Breast..... | .. | .. | .. | 2 | .. | 3 | .. | 7 | .. | 2 | .. | .. | .. | 14 |
| Other Organs | .. | .. | .. | 1 | 3 | .. | .. | 1 | 4 | 2 | 2 | 1 | 9 | 5 |
| Totals | 1 | .. | 1 | 3 | 4 | 8 | 9 | 12 | 17 | 14 | 6 | 7 | 38 | 44 |

Causes of, and Ages at Death during the Year 1930.

| Causes of Death. | Nett Deaths at the subjoined Ages of Residents, whether occurring within or without the District. | | | | | | | | | Total Deaths whether of Residents or Non-residents in Institutions in the District. |
|--|---|---------------|----------------|----------------|-----------------|------------------|------------------|------------------|-----------------|---|
| | All ages. | Under 1 year. | 1 and under 2. | 2 and under 5. | 5 and under 15. | 15 and under 25. | 25 and under 45. | 45 and under 65. | 65 and upwards. | |
| All Causes { Certified | 752 | 51 | 6 | 8 | 13 | 21 | 87 | 229 | 337 | 426 |
| Uncertified .. | 10 | .. | .. | .. | .. | .. | 1 | 3 | 6 | 3 |
| Enteric Fever | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Smallpox..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Measles | 2 | .. | 2 | .. | .. | .. | .. | .. | .. | .. |
| Scarlet Fever..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Whooping Cough | 4 | 1 | 2 | 1 | .. | .. | .. | .. | .. | .. |
| Diphtheria and Croup.... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Influenza | 16 | .. | .. | .. | .. | 1 | 4 | 5 | 6 | .. |
| Encephalitis Lethargica.. | 3 | .. | .. | .. | .. | 1 | 1 | 1 | .. | 2 |
| Meningococcal Meningitis. | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. |
| Tuberculosis of Respirat'ry System | 34 | .. | .. | .. | 1 | 6 | 18 | 9 | .. | 9 |
| Other Tuberculous Diseases | 13 | .. | .. | 1 | .. | 4 | 4 | 2 | 2 | 8 |
| Cancer, Malignant Disease | 82 | .. | .. | .. | .. | .. | 6 | 33 | 43 | 38 |
| Rheumatic Fever..... | 1 | .. | .. | .. | .. | 1 | .. | .. | .. | .. |
| Diabetes | 10 | .. | .. | .. | .. | .. | .. | 9 | 1 | 6 |
| Cerebral Hæmorrhage.... | 75 | .. | .. | .. | .. | .. | 1 | 27 | 47 | 28 |
| Heart Diseases | 174 | 3 | .. | .. | .. | 2 | 10 | 47 | 112 | 111 |
| Arterio-sclerosis | 36 | .. | .. | .. | .. | .. | .. | 7 | 29 | 45 |
| Bronchitis | 52 | 1 | .. | .. | .. | .. | 2 | 15 | 34 | 14 |
| Pneumonia (all forms) .. | 63 | 6 | 2 | 3 | 2 | 1 | 9 | 22 | 18 | 17 |
| Other Respir'tory Diseases | 3 | .. | .. | .. | .. | .. | .. | 1 | 2 | 4 |
| Ulcer of Stomach or Duodenum | 10 | 1 | .. | .. | .. | .. | 4 | 4 | 1 | 13 |
| Diarrhœa, &c..... | 8 | 6 | .. | 1 | 1 | .. | .. | .. | .. | 3 |
| Appendicitis and Typhlitis | 11 | .. | .. | .. | 3 | 1 | 3 | 3 | 1 | 15 |
| Cirrhosis of Liver..... | 4 | .. | .. | .. | .. | .. | 1 | 2 | 1 | 2 |
| Acute & Chronic Nephritis | 19 | .. | .. | .. | 1 | .. | 3 | 9 | 6 | 11 |
| Puerperal Sepsis | 3 | .. | .. | .. | .. | 2 | 1 | .. | .. | 3 |
| Other Accidents & Diseases of Pregnancy & Parturition | 1 | .. | .. | .. | .. | .. | 1 | .. | .. | 1 |
| Congenital Debility and Malformation, including Premature Birth .. | 21 | 21 | .. | .. | .. | .. | .. | .. | .. | 19 |
| Suicides | 10 | .. | .. | .. | .. | .. | 1 | 5 | 4 | 3 |
| Other Deaths from Viol'nce | 24 | 1 | .. | 1 | 3 | .. | 7 | 6 | 6 | 33 |
| Other Defined Diseases .. | 81 | 10 | .. | 1 | 2 | 2 | 12 | 24 | 30 | 43 |
| Causes Ill-defined or Unknown | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | 762 | 51 | 6 | 8 | 13 | 21 | 88 | 232 | 343 | 429 |

Sub Entries included in above figures.

| | | | | | | | | | | |
|-----------------------------|----|----|----|----|----|----|----|----|----|----|
| Broncho Pneumonia | 16 | 4 | 2 | 2 | .. | .. | 1 | 3 | 4 | 16 |
| Senile Decay | 16 | .. | .. | .. | .. | .. | .. | .. | 16 | .. |
| General Paralysis of Insane | 4 | .. | .. | .. | .. | .. | 3 | 1 | .. | .. |
| Erysipelas | 1 | .. | .. | .. | .. | .. | 1 | .. | .. | 2 |
| Locomotor Ataxy..... | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Venereal Diseases | 4 | 2 | .. | .. | .. | 1 | .. | 1 | .. | 2 |

Vital Statistics of Whole District during 1930 and Previous Years.

| YEAR | Population estimated to middle of each Year. | BIRTHS. | | TOTAL DEATHS REGISTERED IN THE DISTRICT. | | Transfer- able Deaths of Non- residents registered in the District. | Transfer- able Deaths of Residents not registered in the District. | NETT DEATHS BELONGING TO THE DISTRICT. | | | |
|-------------|---|---------|-------|--|-------|--|---|---|-------------------------------------|--------------|--------|
| | | Nett. | | Number | Rate | | | Under 1 Year of Age. | | At all Ages. | |
| | | Number. | Rate | | | | | Number. | Rate per 1000 nett Births. | | |
| | | | | | | | | | | | Number |
| 1925 | 56700 | 784 | 13.77 | 978 | 17.25 | 187 | 45 | 63 | 80 | 836 | 14.74 |
| 1926 | 56840 | 816 | 14.30 | 839 | 14.80 | 172 | 62 | 62 | 76 | 729 | 12.82 |
| 1927 | 56770 | 779 | 13.68 | 1036 | 18.25 | 226 | 50 | 62 | 79 | 810 | 14.27 |
| 1928 | 56910 | 744 | 13.02 | 938 | 16.48 | 187 | 40 | 67 | 90 | 791 | 13.90 |
| 1929 | 56880 | 776 | 13.59 | 1117 | 19.65 | 245 | 60 | 61 | 79 | 932 | 16.40 |
| 1930 | 56830* | 735 | 12.87 | 952 | 16.75 | 245 | 55 | 51 | 69 | 762 | 13.41 |

Area of District in acres (land and inland water) } 5925. } Total population at all ages 56403 } At Census of 1921.

..... } Total families or separate occupiers ... 13891 } of 1921.

..... } Average number of persons per house ... 4.06 }

* See paragraph re Population on page 8.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Public Health Officers of the Authority.—See page 4.

Nursing in the Home.—Home Nursing is not provided directly by the Council, but is carried out by the Bury Branch of the Queen Victoria's Jubilee Institute for Nurses. An arrangement has been entered into whereby, at the request of the Medical Officer of Health, one of the Association's Nurses visits and treats cases of Puerperal Fever, Puerperal Pyrexia, Ophthalmia Neonatorum, Measles and German Measles, Whooping Cough, Epidemic Diarrhoea, and Poliomyelitis. The charge to the Council for this visiting is as follows:—For cases of Puerperal Fever, Puerperal Pyrexia, and Ophthalmia Neonatorum, 1s. 6d. per visit; for cases of Whooping Cough, Epidemic Diarrhoea and Poliomyelitis, 6d. per visit; and for cases of Measles and German Measles £1 1s. per case.

Midwives.—The number of midwives practising in the area during 1930 was 29. Of these, 21 resided in the Borough (four were Nurses at the Jericho Union Institution).

Poor Law Medical Out-Relief.—For this purpose the Borough is divided into two districts, Bury East (population 43,830) and Bury West (population 15,211). No change of note has occurred since the transfer under the Local Government Act, 1929.

Laboratory Facilities.—Arrangements are in force for the examination of clinical material (sputum, throat swabs, &c.) by Dr. J. S. Pooley, Broadfield Clinical Laboratory, Rochdale. Details of the examinations will be found on page 51. Samples of water are examined at the Public Health Laboratory, Manchester.

Milk and foodstuffs are analysed by the Borough Analyst, Mr. T. J. Hutchinson, 13, Manchester Road, Bury.

Legislation in Force.

The following local Acts, Special Orders and general adoptive Acts relating wholly or in part to the public health are in force in the Borough:—

LOCAL ACTS.

Bury Corporation Act, 1909.

Bury Corporation Act, 1927.

ACTS CONFIRMING PROVISIONAL ORDERS.

Local Government Board's Provisional Orders Confirmation (No. 17) Act, 1903. (An Act to confirm certain Provisional Orders relating to Bury and the Bury and District Joint Hospital Board.)

Local Government Board's Provisional Orders Confirmation (No. 13) Act, 1914, repealing Section 141 of the Bury Corporation Act, 1909, which prohibited streets being laid out for building purposes exceeding 100 yards in length without an intersecting street every 100 yards.

Ministry of Health Provisional Orders Confirmation (No. 6) Act, 1925, which confirmed an Order authorising the carrying out of certain street improvements.

Ministry of Health Provisional Orders Confirmation (No. 7) Act, 1928, confirming an Order enabling the Corporation to lay out and develop land, erect shops, &c.

Ministry of Health Provisional Orders Confirmation (No. 9) Act, 1928, confirming an Order authorising the purchase of certain properties for the purpose of effecting street improvements.

ACTS ADOPTED.

Public Health Acts Amendment Act, 1890. (March 5th, 1891; came into operation May 1st, 1891.)

Infectious Diseases (Prevention) Act, 1890. (August 2nd, 1900; came into operation October 1st, 1900.)

Housing of the Working Classes Act, 1890—Part III. (June 3rd, 1909.)

Notification of Births Act, 1907. (March 5th, 1908.)

Public Health Acts Amendment Act, 1907. Orders made, declaring certain Parts and Sections thereof to be in force in the Borough, by the Local Government Board on November 8th, 1909 (came into operation 1st January, 1910), and by the Secretary of State on October 13th, 1909.

Public Health Act, 1925. Certain sections thereof adopted on the 7th January, 1926, to come into operation on the 1st March, 1926.

Baths and Washhouses Acts, 1846 to 1899, adopted 4th February, 1926.

ACTS CONSTITUTING CERTAIN AUTHORITIES—

- (i.) as to prevention of pollution of rivers, namely:—Local Government Board's Provisional Orders Confirmation (No. 10) Act, 1891. (Confirming a Provisional Order constituting a Joint Committee, under section 14 of the Local Government Act, 1888, to enforce the provisions of the Rivers Pollution Prevention Act, 1876, in relation to parts of the Rivers Irwell and Mersey);
- (ii.) as to water supply, namely:—Bury and District Water (Transfer) Act, 1900 (constituting the Bury and District Joint Water Board).

Hospitals.

(a) The following is a list of hospitals used by inhabitants of Bury :—

| Name and Situation. | Type. | No. of Available Beds. | Management. | Proportion of beds used by persons from Outside Bury Area. |
|--|---------------------|------------------------|--|--|
| Aitken Sanatorium, Holcombe, near Bury. | Sanatorium. | 50 | Bury & District Joint Hospital Board. | 60% by Lanc'shire County Council Cases. |
| Ainsworth Smallpox Hospital, Ainsworth, near Bolton. | Smallpox ... | 28 | do. | Cases admitted as required. |
| Florence Nightingale Hospital, Bury. | Infectious Diseases | 96 | do. | do. |
| Bury Infirmary, Bury. | General ... | 150 | Voluntary | Approx. 48%. |
| Jericho Institution, Bury. | General ... | 354 | Public Assist'n'e Committee of Lancashire County Council | Approx. 50%. |

In addition to the above hospital provision, cases from Bury are admitted to the following institutions outside the area :—Manchester Royal Infirmary (General Medical and Surgical), Manchester and Salford Skin Hospital (Skin Cases), and St. Mary's Hospital, Manchester (Maternity).

(b) The beds available for the various services are as follows :—

| | Aitken Sanatorium | | Ainsworth Smallpox H. | | Fl. N. Hospital | | Bury Infirmary | | Jericho Institution | |
|------------------------------|---|----|--------------------------|----|--------------------------------|----|-------------------|----|------------------------|-------------------|
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. |
| General Medical ... | — | — | — | — | — | — | 20 | 21 | 20 | 20 |
| General Surgical ... | — | — | — | — | — | — | 27 | 22 | 12 | 12 |
| Children..... | — | — | as required | | as required | | 26 | | 16 | 15 |
| Maternity | — | — | — | — | — | — | — | 13 | — | 12 and 12 cots |
| Venereal Diseases.. | — | — | — | — | — | — | — | — | — | — |
| Tuberculosis | 12 | 8 | — | — | — | — | as required | | 3 | 3 |
| Chronic Sick..... | — | — | — | — | — | — | — | — | 41 | 58 |
| Mental | — | — | — | — | — | — | — | — | 59 | 83 |
| Mental Deficiency.. | — | — | — | — | — | — | — | — | — | — |
| Orthopædic | (as required at Biddu lph Orthopædic Hospital). | | | | | | | | | |
| Ear, Nose & Throat | — | — | — | — | — | — | as required | | — | — |
| Puerperal Fever & Pyrexia | — | — | — | — | as required | | — | — | as required | |
| Ophthalmia Neon.. | — | — | — | — | — | — | as required | | as required | |
| Other | (Smallpox) 28 | | | | (Infectious Diseases) 96 | | — | — | — | — |

Maternity and Nursing Homes.—Two Maternity Homes and one Joint Maternity Home and Nursing Home are registered in the Borough under the Nursing Homes Registration Act, 1927. Exemption from registration, under Section 6 of the 1927 Act, has been granted in the case of one Voluntary Institution.

Maternal Mortality.—Investigation of maternal deaths is now carried out on the lines suggested by the Ministry of Health, to whom reports, without any particulars of identification, are furnished.

Cases of Puerperal Fever and Puerperal Pyrexia are enquired into by the Health Visitors, and reports are made to the Medical Officer of Health.

Institutional Provision for Unmarried Mothers, Illegitimate Infants, and Homeless Children.—There is no institution in the Borough devoted exclusively to dealing with cases under this heading.

Institutional Provision for the Care of Mental Defectives.—No special accommodation is provided for these cases in the Area. Such are sent to outside institutions.

Ambulance Facilities.

(a) **FOR INFECTIOUS CASES.**—The Bury and District Joint Hospital Board own three motor ambulances, which are used for the removal of cases of infectious disease and persons suffering from Tuberculosis.

(b) **FOR NON-INFECTIOUS AND ACCIDENT CASES.**—The Corporation also own two motor ambulances which are used for the removal of accident cases and cases of serious illness requiring hospital treatment.

Local Government Act, 1929.—The former Bury Union Institution has been taken over by the Lancashire County Council and is administered by that body.

Clinics and Treatment Centres.

The following is a list of clinics and treatment centres available for Bury patients:—

| Name and Situation. | Times of Attendance. | By whom Provided. |
|--|--|---|
| Maternity and Child Welfare Centres : | | |
| (a) Welfare Centre, The Wylde..... | Monday and Thursday, 2-30 p.m. to 4-30 p.m. | Health Committee of Local Authority |
| (b) Wood Street School, Elton..... | Wednesday, 2-30 p.m. to 4-30 p.m. | " " " |
| Ante-Natal Clinic at Welfare Centre, The Wylde | Alternate Wednesdays, 2-30 p.m. to 4-30 p.m. | " " " |
| School Clinics : | | |
| (a) Minor Ailments Clinic, The Wylde..... | Monday to Saturday, 9-0 a.m. to 10-0 a.m. | Education Committee of Local Authority |
| (b) Dental Clinic, The Wylde | Monday to Friday, 9-30 a.m. to 12 noon, 2-0 p.m. to 5-0 p.m (except during Dental Inspection in Schools). Saturday, 9-30 to 12-0 noon. Wednesday, 10-30 a.m. | " " " |
| (c) Ophthalmic Clinic, The Wylde | | " " " |
| Tuberculosis Clinics : | | |
| Tuberculosis Dispensary, The Wylde | Tuesday and Thursday, 10-0 a.m. to 11 a.m., Wednesday, 6-45 p.m. to 7-45 p.m. when necessary. | Health Committee of Local Authority |
| Veneral Disease Clinic : | | |
| The Wylde | Females : Tuesday, 6-30 to 8-30 p.m. Males : Friday, 6-30 to 8-30 p.m. | " " " |
| Orthopaedic Clinic : | | |
| School Clinic, Whitefield..... | Thursday mornings. | Health and Education Committees of Local Authority by arrangement with the Lancashire County Council. |

SANITARY CIRCUMSTANCES OF THE AREA.

Water.—The water supply of the Borough is controlled by the Bury and District Joint Water Board, and is supplied from nine reservoirs situated in various parts of the surrounding district. 15,370 of the 15,787 houses in the Borough are supplied by the Board.

During the year samples of water from house taps have been taken for analysis. The following is a report of the examinations :

Analysis of Water—Samples taken during 1930.

| Bacteriological:— | Sample Number | | | |
|--|-----------------------|-----------------------|-----------------------|---|
| | 1. | 2. | 3. | 4. |
| Number of Colonies on Gelatine per c.c. | 1,279 | 136 | 195 | 2,500 |
| Bacillus Coli Communis | Not found in 100 c.c. | Not found in 100 c.c. | Not found in 100 c.c. | Found in 100 c.c. Not found in 10 c.c. |
| Chemical (in parts per 100,000) | | | | |
| Colour..... | Greenish Yellow | Green | Brown-Green | Brown |
| Turbidity | Trace | Nil | Nil | Trace |
| Smell | None | Slight | Indistinct | Indistinct |
| Oxygen absorbed at 27° in 4 hours | 0·079 | 0·064 | 0·084 | 0·106 |
| Free and Saline Ammonia | 0·0014 | 0·0022 | 0·0012 | 0·0050 |
| Albuminoid Ammonia | 0·0072 | 0·0098 | 0·0104 | 0·0124 |
| Nitrous Nitrogen (Nitrites) | Trace | Trace | Nil | Trace |
| Nitric Nitrogen (Nitrates) | 0·04 | 0·030 | 0·070 | 0·050 |
| Chlorides as Chlorine | 1·25 | 1·2 | 1·1 | 1·2 |
| Hardness Total..... | 4·8 | 5·0 | 4·4 | 4·8 |
| „ Temporary | 0·5 | 0·25 | 0·5 | 0·75 |
| „ Permanent | 4·3 | 4·75 | 3·9 | 4·0 |

Remarks :—Sample 1. None.

Sample 2. These results are entirely satisfactory.

Sample 3. These results are quite satisfactory.

Sample 4. The total count is higher than usual, but there is no evidence of dangerous pollution with excretal matter.

Drainage and Sewerage.—The natural drainage of the area is distinctly good in consequence of the easy fall to the streams and the Rivers Irwell and Roach, and the whole district may be said to be free from any liability to flooding. The conditions previously mentioned have enabled an efficient sewerage system to be built up which has proved ample for all portions of the area.

As all sewers are laid by the Corporation and their cost is borne by the Sewer Rate Account, the standard of construction is high, and provision is made for adjoining developments.

The following information regarding sewage disposal has kindly been supplied by Mr. J. Bolton, Sewage Works Manager:

With the exception of a small outlying district where the sewage is dealt with at a small works, the whole of the sewage of the borough which is of a complex nature, consisting, in addition to sewage proper, of trade waste waters from tanneries, fellmongers, wool-scouring, hatters, breweries, and gas liquor is conveyed to the Main Outfall Sewage Works situate at Blackford Bridge.

The works consist of detritus tanks, screens, sedimentation tanks, and storm-water tanks. Two separate systems follow the sedimentation tanks, i.e., four acres of percolating beds and two units of activated sludge process worked on the Simplex Surface Aeration principle. One plant deals with an average of over 700,000 gallons per day and the other, which has recently been completed, is gradually being conditioned, when it is hoped that it will deal with an average of over 1,000,000 gallons per day.

During the past year a nitrifying bed has been laid down for the purpose of investigating the possibility of rapid nitrification of sewage effluents which have, in other processes, been subjected to a carbonaceous fermentation. Remarkably good results are being obtained from this bed, and it has been found possible to satisfactorily deal with 300 gallons of liquid per cube yard of media per day.

The recent extensions have been carried out to deal with the sewage of the Urban District of Tottington, who have entered into

an agreement to have their sewage treated at the Bury Corporation Main Works.

The whole of the effluents from the two systems join together in the main outlet channel before discharging into the River Irwell. A complete sludge plant is installed, but at present the sludge is being disposed of on lagoons.

The effluent is under the jurisdiction of the Mersey and Irwell Joint Committee, whose inspectors frequently visit the works.

Closet Accommodation.—The scheme of conversion to the Water Carriage System, which was commenced in 1925, has now been completed. The total numbers of conveniences dealt with are as follows:—Privy Closets, 3,699; pail closets, 335; waste water closets, 229.

There are still 379 privy closets and 210 pail closets in the Borough. These cannot be dealt with until suitable sewers, and in certain instances, sufficient water supplies, are available. Conversions are being carried out when sewers and water supplies are provided in the districts concerned.

Table giving particulars of the Conversions carried out during the past Ten years.

| | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 |
|--|------|------|------|------|------|------|------|------|------|------|
| Privy closets cleared away | — | — | — | — | 5 | 27 | 40 | 16 | 3 | 16 |
| Pail closets cleared away | — | — | — | — | — | — | — | 25 | 2 | 6 |
| Privy closets converted to fresh-water closets | 23 | 75 | 166 | 157 | 194 | 1477 | 1883 | 488 | 42 | 3 |
| Pail closets converted to fresh-water closets | 2 | 12 | 6 | 15 | 15 | 91 | 41 | 134 | 15 | 6 |
| Additional fresh-water closets provided | 30 | 42 | 38 | 51 | 44 | 89 | 47 | 59 | 63 | 66 |
| Waste-water closets replaced by fresh-water closets | 4 | 3 | 6 | 27 | 22 | 18 | 47 | 55 | 49 | 36 |
| „ „ cleared away | — | — | — | — | — | — | — | — | — | 2 |
| Trough „ replaced by fresh-water closets | — | — | — | — | — | 2 | — | — | 4 | — |
| Total number of fresh-water closets fixed in connection with old property | 59 | 132 | 216 | 250 | 275 | 1677 | 1518 | 736 | 173 | 111 |
| Privy middens altered and converted to dry ashpits ... | 4 | 30 | 67 | 59 | 48 | 6 | — | — | — | — |
| „ „ „ ashbins ... | 9 | 4 | 26 | 26 | 66 | 818 | 797 | 273 | 28 | 5 |
| Dry ashpits „ „ ashbins ... | 5 | 1 | 6 | 11 | 9 | 69 | 37 | 110 | 24 | 28 |
| Number of ashbins provided (galvanised iron) fixed ... | 10 | 2 | 11 | 15 | 0 | 18 | 3 | 1 | — | — |
| „ „ „ „ „ portable | 14 | 10 | 64 | 54 | 146 | 1780 | 1725 | 764 | 126 | 108 |
| Number of cesspools cleared out | — | — | — | — | — | 1 | — | — | — | — |

Table showing the Type and Number of Conveniences in the Borough in 1930.

| | Moorside. | East. | Redvales. | Church. | Elton. | Totals. |
|---|-----------|-------|-----------|---------|--------|---------|
| Number of Dwelling-houses | 4077 | 3271 | 3081 | 1455 | 3903 | 15787 |
| „ „ Factories | 28 | 62 | 44 | 41 | 54 | 229 |
| „ „ Workshops and Lock-up Shops | 44 | 68 | 60 | 219 | 64 | 455 |
| „ „ Public Institutions and Places | 26 | 21 | 27 | 34 | 14 | 122 |
| „ „ Water Closets... .. | 3423 | 2810 | 2911 | 1718 | 3441 | 14303 |
| „ „ Waste Water Closets... .. | 868 | 606 | 762 | 156 | 534 | 2926 |
| „ „ Privy Closets | 101 | 31 | 47 | 5 | 195 | 379 |
| „ „ Pail Closets... .. | 23 | 15 | 50 | 12 | 110 | 210 |
| „ „ Tank Closets | — | — | 2 | 1 | 4 | 7 |
| „ „ Dry Ashpits | 891 | 567 | 484 | 217 | 381 | 2540 |
| „ „ Ashbins | 1967 | 1662 | 1740 | 967 | 2928 | 9264 |

Schools.—All the school conveniences in the elementary schools in the Borough are on the water-carriage system, with the exception of Birtle, in which case there is no available sewer. Also with the exception of Birtle there is a constant supply of town's water in connection with every school.

Scavenging.—The scavenging of the Borough is carried out by the Cleansing Committee and is under the control of the Cleansing Superintendent.

Sanitary Inspection of the Area.

NOTICES, &c.

| | |
|--|-----|
| Number of Legal Notices served under P.H. Act, 1875... | 8 |
| „ Preliminary Notices served | 15 |
| „ Letters in lieu of Notices | 322 |
| „ Verbal Notices | 184 |
| „ Letters sent other than Notices | 369 |

The following table (summary of visits of the Sanitary Inspectors) shows the number of visits paid in connection with defects or nuisances discovered in the course of sanitary inspection during the year 1930, while the ensuing table shows the number of Notices served during each of the years from 1925 to 1930. Of the 524 notices served during 1930, all except 8 were informal notices. Of the 8 legal notices, five were notices served on the owners of factories in respect of the issuing of black smoke from their chimney. The remaining cases were in respect of:—

| | |
|--|---|
| Insufficient closet accommodation | 2 |
| Defective pavement of yard | 1 |

The notices have now been complied with.

Summary of Visits of the Sanitary Inspectors.

| | |
|---|-----|
| Infectious and contagious diseases | 372 |
| Common lodging-houses | 478 |
| Houses let in lodgings | 544 |
| Factories and Workshops | 203 |
| Workplaces and Shops | 193 |
| Canal boats (wharf) | 3 |

Type of Nuisance dealt with.

| Type of Nuisance dealt with. | 1925. | | | | | 1926. | | | | | 1927. | | | | | 1928. | | | | | 1929. | | | | | 1930. | | | | |
|---|-------|-----|----|-----|---|-------|-----|----|---|---|-------|----|----|----|----|-------|----|----|-----|---|-------|-----|-----|---|---|-------|-----|-----|----|----|
| | A | B | C | D | E | A | B | C | D | E | A | B | C | D | E | A | B | C | D | E | A | B | C | D | E | A | B | C | D | E |
| Damp, due to being built against an embankment..... | 7 | 7 | 7 | 1 | 1 | 11 | 4 | 4 | 1 | 1 | 16 | 16 | 16 | 1 | 1 | 16 | 16 | 16 | 1 | 1 | 16 | 16 | 16 | 1 | 1 | 14 | 14 | 16 | 2 | 2 |
| Damp walls, built without dampproof course or defective | 14 | 14 | 14 | 1 | 1 | 16 | 16 | 16 | 1 | 1 | 16 | 16 | 16 | 1 | 1 | 16 | 16 | 16 | 1 | 1 | 16 | 16 | 16 | 1 | 1 | 26 | 27 | 26 | 2 | 2 |
| Damp walls, without cavities..... | 8 | 8 | 8 | 1 | 1 | 18 | 17 | 17 | 1 | 1 | 18 | 17 | 17 | 1 | 1 | 18 | 17 | 17 | 1 | 1 | 18 | 17 | 17 | 1 | 1 | 13 | 15 | 15 | 1 | 1 |
| Damp, due to defective roofs..... | 21 | 23 | 19 | 4 | 1 | 50 | 54 | 2 | 1 | 1 | 48 | 57 | 57 | 86 | 71 | 86 | 71 | 70 | 1 | 1 | 86 | 126 | 127 | 1 | 1 | 83 | 102 | 102 | 2 | 2 |
| Premises to cleanse..... | 67 | 70 | 70 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| " to repair..... | 3 | 3 | 3 | 1 | 1 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 6 | 6 |
| " overcrowded..... | 17 | 17 | 25 | 1 | 1 | 12 | 12 | 19 | 1 | 1 | 7 | 7 | 7 | 1 | 1 | 10 | 10 | 15 | 1 | 1 | 10 | 10 | 29 | 1 | 1 | 15 | 16 | 46 | 5 | 5 |
| Defective gas pipes or fittings in houses..... | 17 | 17 | 25 | 1 | 1 | 12 | 12 | 19 | 1 | 1 | 7 | 7 | 7 | 1 | 1 | 10 | 10 | 15 | 1 | 1 | 10 | 10 | 29 | 1 | 1 | 15 | 16 | 46 | 5 | 5 |
| water pipes..... | 4 | 4 | 11 | 1 | 1 | 2 | 2 | 13 | 1 | 1 | 5 | 5 | 12 | 1 | 1 | 2 | 2 | 24 | 1 | 1 | 2 | 2 | 28 | 1 | 1 | 3 | 4 | 5 | 1 | 1 |
| Insufficient water supplies..... | 5 | 5 | 5 | 1 | 1 | 8 | 9 | 9 | 1 | 1 | 14 | 15 | 14 | 1 | 1 | 25 | 28 | 30 | 1 | 1 | 25 | 28 | 30 | 1 | 1 | 19 | 20 | 21 | 1 | 1 |
| Defective chimney flues in houses..... | 7 | 7 | 9 | 1 | 1 | 8 | 8 | 8 | 1 | 1 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 11 | 1 | 1 | 7 | 7 | 22 | 1 | 1 | 24 | 26 | 26 | 2 | 2 |
| fittings..... | 34 | 34 | 43 | 6 | 3 | 19 | 19 | 15 | 3 | 3 | 20 | 20 | 16 | 34 | 34 | 34 | 34 | 52 | 1 | 1 | 34 | 34 | 7 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Animals kept as to be a nuisance..... | 17 | 17 | 23 | 9 | 1 | 4 | 5 | 5 | 1 | 1 | 6 | 6 | 6 | 10 | 10 | 10 | 10 | 11 | 1 | 1 | 10 | 10 | 4 | 1 | 1 | 9 | 9 | 12 | 1 | 1 |
| Accumulation of refuse..... | 2 | 2 | 1 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 9 | 9 | 11 | 4 | 4 | 4 | 4 | 7 | 1 | 1 | 4 | 4 | 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Defective yard surface..... | 15 | 15 | 15 | 1 | 1 | 36 | 7 | 7 | 1 | 1 | 45 | 4 | 4 | 18 | 18 | 18 | 24 | 26 | 1 | 1 | 18 | 22 | 26 | 1 | 1 | 3 | 8 | 8 | 8 | 8 |
| Foul..... | 12 | 14 | 10 | 4 | 1 | 9 | 10 | 63 | 1 | 1 | 14 | 14 | 67 | 16 | 16 | 16 | 16 | 14 | 1 | 1 | 16 | 16 | 2 | 1 | 1 | 6 | 11 | 14 | 14 | 14 |
| Dangerous places, cellar areas, fences, &c..... | 14 | 14 | 74 | 4 | 1 | 42 | 43 | 44 | 3 | 3 | 45 | 45 | 45 | 2 | 2 | 32 | 43 | 51 | 1 | 1 | 32 | 43 | 51 | 1 | 1 | 42 | 45 | 45 | 41 | 41 |
| Choked street grids..... | 52 | 53 | 52 | 4 | 2 | 39 | 56 | 73 | 3 | 3 | 25 | 36 | 57 | 36 | 36 | 36 | 59 | 80 | 2 | 2 | 27 | 43 | 61 | 1 | 1 | 27 | 43 | 43 | 41 | 41 |
| " cellar drains..... | 37 | 63 | 90 | 4 | 2 | 27 | 39 | 73 | 3 | 3 | 25 | 36 | 57 | 36 | 36 | 36 | 59 | 80 | 2 | 2 | 27 | 43 | 61 | 1 | 1 | 27 | 43 | 43 | 41 | 41 |
| " passage drains..... | 35 | 37 | 44 | 1 | 1 | 14 | 16 | 16 | 1 | 1 | 25 | 32 | 31 | 24 | 28 | 25 | 30 | 36 | 1 | 1 | 25 | 30 | 31 | 1 | 1 | 25 | 30 | 30 | 33 | 33 |
| " yard drains..... | 25 | 35 | 30 | 1 | 1 | 14 | 16 | 16 | 1 | 1 | 25 | 32 | 31 | 24 | 28 | 25 | 30 | 36 | 1 | 1 | 25 | 30 | 31 | 1 | 1 | 25 | 30 | 30 | 33 | 33 |
| " water closet drains..... | 25 | 35 | 30 | 1 | 1 | 14 | 16 | 16 | 1 | 1 | 25 | 32 | 31 | 24 | 28 | 25 | 30 | 36 | 1 | 1 | 25 | 30 | 31 | 1 | 1 | 25 | 30 | 30 | 33 | 33 |
| " waste water closet drains..... | 25 | 35 | 30 | 1 | 1 | 14 | 16 | 16 | 1 | 1 | 25 | 32 | 31 | 24 | 28 | 25 | 30 | 36 | 1 | 1 | 25 | 30 | 31 | 1 | 1 | 25 | 30 | 30 | 33 | 33 |
| " rainwater spout drains..... | 25 | 35 | 30 | 1 | 1 | 14 | 16 | 16 | 1 | 1 | 25 | 32 | 31 | 24 | 28 | 25 | 30 | 36 | 1 | 1 | 25 | 30 | 31 | 1 | 1 | 25 | 30 | 30 | 33 | 33 |
| Defective drains..... | 7 | 7 | 11 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 9 | 1 | 1 | 3 | 3 | 4 | 1 | 1 | 4 | 4 | 4 | 4 | 4 |
| Insufficient drains..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Drains inside premises..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Insanitary traps connected to drains..... | 24 | 26 | 27 | 3 | 1 | 9 | 13 | 13 | 1 | 1 | 11 | 21 | 22 | 12 | 12 | 12 | 25 | 25 | 1 | 1 | 9 | 11 | 10 | 1 | 1 | 9 | 11 | 10 | 6 | 6 |
| Defective waste pipes..... | 3 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 6 | 6 | 6 | 4 | 4 | 4 | 9 | 12 | 1 | 1 | 6 | 6 | 10 | 1 | 1 | 6 | 6 | 6 | 6 | 6 |
| " fittings, sinks and basins..... | 33 | 37 | 41 | 1 | 1 | 33 | 59 | 41 | 1 | 1 | 43 | 50 | 42 | 43 | 47 | 43 | 51 | 51 | 1 | 1 | 47 | 51 | 51 | 1 | 1 | 44 | 46 | 45 | 41 | 41 |
| " rainwater spouts..... | 27 | 39 | 20 | 1 | 1 | 25 | 26 | 29 | 2 | 2 | 31 | 35 | 51 | 3 | 3 | 38 | 39 | 44 | 3 | 3 | 31 | 36 | 41 | 1 | 1 | 31 | 36 | 41 | 41 | 41 |
| " eaves gutters..... | 4 | 4 | 2 | 1 | 1 | 34 | 40 | 45 | 2 | 2 | 32 | 37 | 30 | 7 | 7 | 32 | 55 | 69 | 1 | 1 | 22 | 42 | 40 | 1 | 1 | 22 | 42 | 40 | 41 | 41 |
| Premises without spouts or gutters..... | 23 | 34 | 55 | 5 | 3 | 34 | 40 | 45 | 2 | 2 | 32 | 37 | 30 | 7 | 7 | 32 | 55 | 69 | 1 | 1 | 22 | 42 | 40 | 1 | 1 | 22 | 42 | 40 | 41 | 41 |
| Premises with an insufficient closet accommodation..... | 22 | 34 | 37 | 5 | 3 | 20 | 50 | 27 | 1 | 1 | 16 | 30 | 18 | 44 | 44 | 1 | 26 | 53 | 108 | 3 | 18 | 25 | 45 | 1 | 1 | 18 | 25 | 45 | 41 | 41 |
| Closets structurally defective..... | 4 | 4 | 5 | 2 | 3 | 4 | 4 | 6 | 3 | 3 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Closets dirty and foul approaches..... | 15 | 18 | 11 | 1 | 1 | 18 | 26 | 48 | 1 | 1 | 14 | 16 | 26 | 1 | 1 | 27 | 30 | 51 | 4 | 4 | 24 | 25 | 50 | 1 | 1 | 24 | 25 | 50 | 41 | 41 |
| Water closet cisterns out of order..... | 5 | 5 | 10 | 1 | 1 | 22 | 25 | 52 | 1 | 1 | 5 | 7 | 17 | 1 | 1 | 20 | 29 | 81 | 1 | 1 | 25 | 31 | 32 | 1 | 1 | 25 | 31 | 32 | 32 | 32 |
| " water pipe burst..... | 4 | 4 | 4 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 3 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| " without a water supply..... | 10 | 11 | 16 | 1 | 1 | 12 | 21 | 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| " defective pedestal..... | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| " defective flush pipes..... | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| " defective soil pipes..... | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 |
| " defective vent pipes..... | 4 | 4 | 4 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 4 | 4 | 4 | 4 |
| " insanitary urinals..... | 7 | 8 | 8 | 1 | 1 | 14 | 15 | 14 | 1 | 1 | 14 | 15 | 14 | 1 | 1 | 14 | 15 | 14 | 1 | 1 | 14 | 15 | 14 | 1 | 1 | 14 | 15 | 14 | 14 | 14 |
| " insufficiently lighted and ventilated..... | 36 | 42 | 46 | 8 | 8 | 18 | 25 | 25 | 1 | 1 | 34 | 36 | 34 | 2 | 2 | 30 | 32 | 33 | 1 | 1 | 29 | 28 | 26 | 1 | 1 | 23 | 28 | 26 | 26 | 26 |
| Waste water closet tipplers out of order..... | 8 | 8 | 8 | 1 | 1 | 18 | 25 | 25 | 1 | 1 | 8 | 16 | 17 | 1 | 1 | 22 | 39 | 45 | 1 | 1 | 10 | 7 | 7 | 1 | 1 | 7 | 7 | 7 | 7 | 7 |
| Insanitary Water Closets..... | 55 | 128 | 74 | 177 | 2 | 37 | 101 | 46 | 1 | 1 | 18 | 39 | 20 | 48 | 48 | 2 | 2 | 4 | 1 | 1 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Offensive privy closets and middens..... | 13 | 17 | 20 | 2 | 2 | 6 | 8 | 11 | 2 | 2 | 10 | 26 | 26 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Defective pail closets..... | 20 | 55 | 58 | 19 | 2 | 14 | 30 | 39 | 1 | 1 | 10 | 26 | 26 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Defective ashbins..... | 13 | 18 | 19 | 2 | 2 | 21 | 40 | 40 | 1 | 1 | 19 | 60 | 59 | 1 | 1 | 34 | 91 | 99 | 1 | 1 | 18 | 40 | 42 | 1 | 1 | 18 | 40 | 42 | 40 | 40 |
| Insufficient ashpits..... | 8 | 10 | 46 | 1 | 1 | 8 | 18 | 28 | 1 | 1 | 12 | 17 | 37 | 1 | 1 | 14 | 14 | 35 | 1 | 1 | 14 | 14 | 32 | 1 | 1 | 10 | 10 | 21 | 21 | 21 |
| Ashpits without proper doors..... | 17 | 18 | 43 | 1 | 1 | 13 | 18 | 61 | 1 | 1 | 16 | 24 | 58 | 1 | 1 | 24 | 30 | 45 | 1 | 1 | 26 | 30 | 68 | 1 | 1 | 23 | 37 | 51 | 51 | 51 |
| Asphalt doors without proper fastenings..... | 9 | 10 | 18 | 1 | 1 | 3 | 13 | 22 | 1 | 1 | 8 | 11 | 45 | 1 | 1 | 8 | 11 | 45 | 1 | 1 | 30 | 67 | 83 | 1 | 1 | 6 | 16 | 22 | 22 | 22 |
| Aspits to cleanse..... | 5 | 5 | 5 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 3 | 3 | 3 | 3 | 3 |
| Breach of Bye-Laws or Factory Acts..... | 18 | 18 | 18 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |

A—No. of Notices. B—No. of Nuisances.

C—No. of dwellinghouses affected. D—No. of factories and workshops affected.

E—No. of other premises affected.

Smoke Abatement.—The limit of black smoke allowed in the Borough is two minutes per half-hour. During the year 212 smoke observations of the mill chimneys situated within the Borough have been taken, each being of 30 minutes' duration. The aggregate amount of black smoke evolved was 220 minutes, which is equal to an average of 1 minute 2 seconds for each observation. The time limit (2 minutes in 30) permitted by your Council has been exceeded in 5 instances by 5 firms, this being equal to 2.3 per cent. of the total observations taken, the aggregate amount of black smoke emitted by these firms being $31\frac{1}{2}$ minutes, which is equal to an average of 6 minutes and 18 seconds for each observation. The average amount of black smoke emitted by the chimneys under the limit was equal to one minute, 6 seconds.

50 firms equalled the limit of 2 minutes.

After the observation has been made the usual course has been taken, viz., to send a notification of the amount of black smoke emitted to the firm, and in cases where the limit has been exceeded the works have been visited in order to see if there were any defects in the boilers, &c., which may have caused the nuisance, this course being much appreciated by the owners, as it enables them to trace or check the cause of the nuisance.

The following table gives the results of the five observations exceeding the limit:—

| | Black Smoke mins. | Moderate Smoke mins. | No Smoke mins. | Action taken by Owners. |
|-------------------|-------------------------|----------------------------|----------------------|--------------------------|
| O. P. M. Co. Ltd. | $8\frac{1}{2}$ | $19\frac{1}{2}$ | 2 | Automatic Stokers Fixed. |
| T. F. M. Co. Ltd. | $3\frac{1}{2}$ | $12\frac{1}{2}$ | 14 | Abated. |
| B. B. C. | 6 | 14 | 10 | Meldrum's Furnace Fixed. |
| J. H. | 6 | 14 | 10 | Steam Jets Fixed. |
| B. C. E. W. | $7\frac{1}{2}$ | $22\frac{1}{2}$ | — | Abated. |

In each case a legal notice was served.

Common Lodging-Houses and Houses Let-in-Lodgings.—

There are 13 common lodging-houses, which provide 238 beds. They have been inspected at frequent intervals, and are kept in a satisfactory manner. The number of houses let-in-lodgings now on the register is 27. 161 rooms in these houses are let off as furnished apartments, giving accommodation for 390 adults and 62 children.

Explosives Acts.—Eighty persons were registered for the sale of explosives during the year as required by these Acts, being for the sale of fireworks or mixed explosives, &c. The sale of fireworks only lasts for about two or three weeks, i.e., the last week in October and the first and second weeks in November. During this period the shops were visited, and the fireworks were found to be stored with few exceptions in accordance with the regulations made, dummy fireworks being exposed in the windows. Gunpowder is sold by the ironmongers and locksmiths, and is kept in safes in small quantities.

One store licence for mixed explosives has also been granted.

Petroleum Acts.—Under these Acts two licences have been granted for the storage of benzine and benzoline, one hundred and eleven for petrol, and twenty-one for calcium carbide. In all cases the petrol is kept in metal vessels and drums in properly constructed stores. The stores for petrol are 96 underground tanks, fitted with pumps, and 15 for storage in two-gallon tins, two in tanks above ground (for benzine). The calcium carbide is kept in metal vessels with airtight lids, in dry places, generally in the shops and warehouses. In 12 cases the carbide is used for the generation of acetylene gas for welding and nine for sale for lighting purposes.

Rag Flock Acts, 1911 and 1928.—There are no premises in the Borough on which rag flock is manufactured.

FACTORIES, WORKSHOPS, AND WORKPLACES.

1.—INSPECTION OF FACTORIES, WORKSHOPS & WORKPLACES.

Including inspections made by Sanitary Inspectors or Inspectors of Nuisances.

| Premises. | Number of | | |
|---|--------------|-----------------|------------------|
| | Inspections. | Verbal Notices. | Written Notices. |
| Factories (including Factory Laundries)..... | 112 | 8 | 7 |
| Workshops (including Workshop Laundries) | 71 | 3 | 7 |
| Workplaces (other than Outwork's Premises)..... | 130 | 6 | 6 |
| Total..... | 313 | 17 | 20 |

No Occupiers were prosecuted.

2.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

| Particulars. | Number of Defects. | | | Number of Prosecutions |
|---|--------------------|-----------|----------------------------|------------------------|
| | Found. | Remedied. | Referred to H.M. Inspector | |
| <i>Nuisances under the Public Health Acts :—</i> | | | | |
| Want of Cleanliness | 4 | 4 | .. | .. |
| Want of Ventilation | .. | .. | .. | .. |
| Overcrowding | .. | .. | .. | .. |
| Want of drainage of floors | .. | .. | .. | .. |
| Other Nuisances | 22 | 22 | .. | .. |
| Sanitary accommodation { Insufficient | 3 | 3 | .. | .. |
| { Unsuitable or defective | 8 | 8 | .. | .. |
| { Not separate for sexes .. | .. | .. | .. | .. |
| <i>Offences under the Factory and Workshop Acts :—</i> | | | | |
| Illegal occupation of underground bake-house (S. 101)..... | .. | .. | .. | .. |
| Other offences (excluding offences relating to Outwork) and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921..... | .. | .. | .. | .. |
| Total | 37 | 37 | .. | .. |

A.—HOUSING.

Number of new houses erected during the year:—

- (a) Total, including numbers given separately under (b) :
 - (i) By the Local Authority 258
 - (ii) By other Local Authorities *nil*
 - (iii) By other bodies and persons 80
- (b) With State Assistance under the Housing Acts :
 - (i) By the Local Authority.
 - (a) For the purpose of Part II. of the Act of 1925 *nil*
 - (b) For the purpose of Part III. of the Act of 1925 258
 - (c) For other purposes *nil*
 - (ii) By other bodies or persons *nil*

1. Inspection of Dwelling-houses during the year:—

| | Houses | Inspections |
|---|--------|-------------|
| (1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) and the number of inspections made | 236 | 708 |
| (2) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925, and the number of inspections made | 134 | 536 |
| (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation | | 122 |
| (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation | | 75 |

2. Remedy of Defects during the Year without Service of formal Notices:—

| | |
|--|----|
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers | 64 |
|--|----|

3. Action under Statutory Powers during the Year:—

A.—Proceedings under Section 3 of the Housing Act, 1925.

| | |
|---|------------|
| (1) Number of dwelling-houses in respect of which notices were served requiring repairs.. | 2 |
| (2) Number of dwelling-houses which were rendered fit after service of formal notices:— | |
| (a) by owners | 2 |
| (b) by Local Authority in default of owners | <i>nil</i> |
| (3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close | <i>nil</i> |

B.—Proceedings under Public Health Acts.

| | |
|---|------------|
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | 1 |
| (2) Number of dwelling-houses in which defects were remedied after service of formal notices:— | |
| (a) By owners | 1 |
| (b) by Local Authority in default of owners | <i>nil</i> |

C.—Proceedings under Sections 11, 14, and 15 of the Housing Act, 1925.

| | |
|---|-----|
| (1) Number of representations made with a view to the making of Closing Orders | 122 |
| (2) Number of dwelling-houses in respect of which Closing Orders were made | 122 |
| (Housing Act, 1925, 65. Housing Act, 1930, 57.) | |

| | |
|--|------------|
| (3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit ... | 17 |
| (4) Number of dwelling-houses in respect of which Demolition Orders were made ... | 185 |
| (5) Number of dwelling-houses demolished in pursuance of Demolition Orders ... | 62 |
| 4. Number of houses owned by the Local Authority distinguishing those built in the last two years and held under (1) Part III. of the Housing Act, 1925, (2) Part II. of the Housing Act, 1925, and (3) other powers ... | 1170 |
| Held under (1) ... | 310 |
| Held under (2) ... | <i>nil</i> |
| Held under (3) ... | <i>nil</i> |

B.—HOUSING CONDITIONS.

1. General Observations:—

The general standard of the houses situated within the Borough is good. The types of house vary in accordance with the periods in which they were built. Since the war semi-detached houses containing two or three bedrooms with bath and w.c., without yards but with gardens front and back, have been the chief type.

The bulk of the houses built during a period of 50 years prior to the war were built in rows or terraces parallel to each other, with good well paved and wide streets both back and front. The houses consist chiefly of four rooms—living room, kitchen, and two bedrooms. A large number, however, have three bedrooms. Each house has its own separate yard, w.c., &c.

In an earlier period the prevailing idea appears to have been to build as many houses as possible in a given area without any regard for sanitary accommodation. We accordingly have a large number of blocks of houses built in the forms of triangles,

squares, &c., with one common yard and inadequate sanitary accommodation. Many of these houses built in corners are without through ventilation. There are still a number of back-to-back houses which are now being dealt with. The prevailing defects found are those common to old property—dampness due to solid walls and walls without efficient damp-proof courses, insufficient ventilation due to windows being of a fixed type and insufficient means for obtaining hot water, the hot-water boilers of the kitchen ranges being often out of order. Informal notices are generally sufficient to get the necessary repairs carried out.

2. Sufficiency of Houses :—

(a) There is still a demand for houses by newly-married couples and by families who have been compelled to take rooms or live with their relatives. This demand is now being met by the Housing Committee, who I believe will, in the near future, have built sufficient houses to meet the requirements.

(b) No important changes of population are anticipated in the near future.

(c) There have been no special difficulties in providing suitable sites for Housing Estates. There are now Estates in each Ward, with the exception of Church Ward, which is situated in the centre of the town.

3. Overcrowding :—

(a) Overcrowding does not exist to any serious extent except in cases where large families occupy four-roomed houses and married sons or daughters are living with their parents. In taking the census of occupants of the houses proposed to be dealt with under the Housing Act, 1930, they were found to have an average of 3.55 persons per house.

(b) Families living in rooms are already, in many cases, paying more than the rents charged for available houses.

(c) The Housing Committee built 258 houses during 1930, and further building is being proceeded with.

4. **Fitness of Houses:—**

(a) There have been no difficulties in taking action under the Public Health Acts or under Section 3 of the Housing Act, 1925. In only two cases has it been found necessary to serve notices.

(b) In cases where back-to-back houses can be made through and the usual amenities given to bring them up to a standard equal to or better than other houses in the district, it is suggested to the owners that this be carried out.

(c) Only in one district which is at higher level than the public water supply can provide for is there any inadequacy in the supply. The district contains about 50 houses, and at present they are privately supplied with water which is pumped from a well into a tank, and then gravitates to each house. In a dry season the supply is often insufficient.

(d) More than three-fourths of the houses in the Borough have private sanitary accommodation. In the remaining cases sanitary accommodation is common to two or more houses as follows:—

| | |
|-------------------------|---------------|
| 2 houses to one w.c.... | 2,285 houses. |
| 3 „ „ ... | 630 „ |
| 4 „ „ ... | 172 „ |
| Over 4 „ „ ... | 20 „ |

5. **Unhealthy Areas:—**

There is no area in the Borough which could be classed as particularly unhealthy.

6. **Byelaws:—**

Byelaws relating to houses let in lodgings, made in 1898, are in force. There are no byelaws relating to dwelling-houses, tents, vans, sedes, &c. The latter class is found difficult to deal with.

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply.

The Milk and Dairies Order, 1926, which came into force on October 1st, 1926, revoked the Dairies, Cowsheds, and Milkshops Order of 1885, 1886, and 1889, and all Regulations made thereunder by the Local Authorities in England and Wales.

The main provisions of those Orders and Regulations are replaced in the present Order by provisions similar in general purpose but modified in accordance with the development of modern hygienic knowledge, greater stress being laid on cleanliness in all operations connected with the production and handling of milk (including the care of the cow) than upon the structure of the building.

The most important of the new provisions of the Order are those relating to the health and inspection of Cattle and to the handling, conveyance and distribution of milk.

As a result of the above Order there has been a definite improvement in the conditions under which milk is produced in the Borough.

There is still room for great improvement yet on many farms, particularly in regard to the grooming of cows, ventilation of shippens, and provision of better floors and channels for drainage.

There are 128 persons registered to sell milk by retail and 47 persons registered as producers or wholesalers.

There is one licensed vendor of " Certified Milk " and one licensed vendor of " Grade A " milk.

During the year samples of milk retailed in the Borough were bacteriologically examined. The following tables give the results of these examinations:—

For Cleanliness of Milk.

| No. | Class of Milk. | Source of Sample. | B. Coli present in. | Bacteria Organisms per c.c. |
|-----|----------------------|--|---------------------|-----------------------------|
| 1 | Ordinary Mixed | Morning's milk collected on round... | 1/100 c.c. | 548,720 |
| 2 | " | Evening's milk collected on following morning's round. | 1/100 c.c. | 164,166 |
| 3 | " | Morning's milk collected on round... | 1/100 c.c. | 589,760 |
| 4 | " | " " " " " " " " " " " " | 1/1000 c.c. | 1,813,532 |
| 5 | Sterilised (Bottled) | Collected at shop two days after delivery | — | 1,701,000 |
| 6 | Ordinary Mixed | Morning's milk collected on round... | 5 c.c. | 57,810 |
| 7 | " | " " " " " " " " " " " " | 1/1000 c.c. | 869,790 |
| 8 | " | " " " " " " " " " " " " | — | 315,270 |
| 9 | " | " " " " " " " " " " " " | 1/100 c.c. | 806,133 |
| 10 | " | " " " " " " " " " " " " | 1/1000 c.c. | 137,253 |
| 11 | " | " " " " " " " " " " " " | 1/1000 c.c. | 2,024,000 |
| 12 | Pasteurised | Collected few hours after Pasteurisation. | 1/10 c.c. | 42,160 |
| 13 | Ordinary Mixed | Morning's milk collected on round... | 1/100 c.c. | 81,020 |

The attention of the retailers was drawn to the reports numbered 1, 3, 4, 5, 7, 10, and 11, and they were cautioned. In cases where the milk was produced outside the Borough reports were sent to the Medical Officer of Health of the districts concerned.

For Tuberculosis.

| No. | Class of Milk. | Source of Sample. | Result of Examination |
|-----|----------------|---|-----------------------|
| 1 | Ordinary Mixed | Evening's milk collected on following morning's round | Negative |
| 2 | " | Morning's milk collected on round | Positive |
| 3 | " | " " " " " " " " " " " " | Negative |
| 4 | " | " " " " " " " " " " " " | " |
| 5 | " | " " " " " " " " " " " " | " |
| 6 | " | " " " " " " " " " " " " | " |
| 7 | " | " " " " " " " " " " " " | Positive |
| 8 | " | " " " " " " " " " " " " | Negative |
| 9 | " | " " " " " " " " " " " " | " |
| 10 | " | " " " " " " " " " " " " | " |
| 11 | Unmixed | Control sample taken from selected cow at farm ... | " |
| 12 | " | " " " " " " " " " " " " | " |
| 13 | " | " " " " " " " " " " " " | " |
| 14 | " | " " " " " " " " " " " " | " |
| 15 | " | " " " " " " " " " " " " | Positive |
| 16 | Ordinary Mixed | Sample taken from selected cows at farm ... | Negative |
| 17 | " | " " " " " " " " " " " " | Positive |
| 18 | Unmixed | Control sample taken from selected cow at farm ... | Negative |
| 19 | " | " " " " " " " " " " " " | " |
| 20 | " | " " " " " " " " " " " " | " |
| 21 | " | " " " " " " " " " " " " | " |
| 22 | " | " " " " " " " " " " " " | " |

On case No. 2 proving positive control samples were taken. Two of these also proved positive, and the animals concerned were dealt with under the Tuberculosis Order, 1925. In the case of sample No. 7 the farm at which the milk was produced is outside the Borough, and the case was dealt with by the Local Authority concerned.

Other Foods.

On the whole the premises which are used for the preparation, &c., of food have been maintained in a satisfactory state. There are 113 bakehouses in the Borough. These have been kept under observation and have been well conducted, except that in several cases the occupiers' attention has had to be called to the delay in limewashing.

Ice Cream Manufacturing.

The absence of compulsory registration of ice cream shops renders proper supervision difficult. There are about 30 ice cream makers in the town, and their premises have been visited regularly.

Meat.

The Public Abattoir was completed in the year 1903, and all private slaughter-houses in the Borough were abolished the same year.

The Abattoir is modern in every respect with railway siding and cattle dock attached, so that animals arriving in the Borough by rail for slaughter need not be walked through the street. The lairage and slaughtering capacity is ample and would, in fact, be capable of dealing with three or four times the present number.

During the past year the various animals, carcasses, &c., passing through the Abattoir have been carefully examined, both before and after slaughter. The quality has been of a uniformly high standard.

NUMBER OF ANIMALS SLAUGHTERED AT THE ABATTOIRS
DURING THE PAST 12 YEARS.

| | Beasts. | Sheep and Lambs. | Pigs. | Calves. | Total. |
|-------------|---------|---------------------|-------|---------|--------|
| 1919 | 6090 | 15025 | 3429 | 487 | 25031 |
| 1920 | 4776 | 21582 | 3783 | 390 | 30531 |
| 1921 | 4349 | 24886 | 3401 | 571 | 33207 |
| 1922 | 4777 | 24798 | 3501 | 662 | 33738 |
| 1923 | 4418 | 21436 | 3523 | 663 | 30040 |
| 1924 | 4231 | 20855 | 3752 | 521 | 29359 |
| 1925 | 4378 | 21343 | 4471 | 591 | 30783 |
| 1926 | 4142 | 22333 | 3849 | 462 | 30786 |
| 1927 | 4256 | 25434 | 4760 | 541 | 34991 |
| 1928 | 4170 | 24500 | 5586 | 472 | 34728 |
| 1929 | 4138 | 23638 | 4998 | 453 | 33227 |
| 1930 | 3930 | 19762 | 4239 | 389 | 28320 |

During the year 653 carcasses required special examination, of which number 167 were affected with Tuberculosis in varying degree as set out in table appended.

| | | | | |
|---------|---|---|---|--------|
| Bulls | were effected in a more or less degree to the extent of 1.49% | | | |
| Oxen | „ | „ | „ | 0.25% |
| Cows | „ | „ | „ | 23.33% |
| Heifers | „ | „ | „ | 0.76% |
| Pigs | „ | „ | „ | 2.95% |

The percentage of meat destroyed on account of Tuberculosis was :—

Beef, 0.45%. Pork, 0.54%.

It was also found necessary to condemn and destroy (for causes other than Tuberculosis) the entire carcasses and organs of 1 beast, 17 sheep, and 7 pigs.

On four occasions the Inspector has been called upon to examine carcasses slaughtered in emergency. In one case slaughter had been performed sufficiently early after an accident to allow of the carcase being sold for food. In the other three cases the carcasses were surrendered and destroyed.

The number of animals slaughtered in the Borough was 28,320. The amount of meat found to be unfit for human consumption was 20,210lbs., this being destroyed at the Town's Yard, Fernhill, under the supervision of the Cleansing Superintendent.

During the year the butchers' shops, fish shops, markets and food preparing places, &c., have been constantly kept under supervision, regular and frequent visits having been paid to same, the meat, fish, &c., coming under observation having, with a few exceptions, been satisfactory.

**Table showing extent of Tuberculous Diseases and Weight of Diseased Meat Destroyed, year ending
December 31st, 1930.**

| Kind of Animal. | Number Examined. | EXTENT OF TUBERCULOSIS IN ANIMALS EXAMINED. | | | | | | | | | | | | | OTHER DISEASES. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Of which were Tuberculous | Heads. | THORAX. | | | ABDOMEN. | | | | | | | Udders | Entire Carcasses Condemned owing to Tuberculosis | Weight of Meat and Offal destroyed on account of Tuberculosis | Weight of Meat and Offal destroyed on account of other diseases. | Total Weight of Meat destroyed for all diseases. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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CONTAGIOUS DISEASES (ANIMALS) ACTS.

Foot and Mouth Disease.

No cases were reported in the Borough.

Anthrax.

No cases were reported in the Borough.

Tuberculosis Order of 1925.

Seven cases were reported under the Order, all of which were confirmed. These were valued and slaughtered according to the terms of the Order. The total amount of compensation paid during the year was £25 10s. 0d. The sum realised by salvage amounted to £14 17s. 9d.

SALE OF FOOD AND DRUGS ACT.

The administration of the Sale of Food and Drugs Act is in the hands of Mr. H. Cass, Markets Inspector, who takes samples for submission to the Borough Analyst. The following is a report on the analyses of these samples:—

13, Manchester Road,

BURY.

16th February, 1931.

*To the Chairman and Members of the Health Committee
of the Corporation of Bury.*

Ladies and Gentlemen,

I beg to submit my Annual Report upon the results of my examination of the samples of Foods and Drugs submitted to me by your Inspector—Mr. H. Cass—during the year ended December 31st, 1930.

These samples, numbering 296, consisted of the following articles, namely :—

| | | | |
|-----------------------|----|----------------------|----|
| Milk | 54 | Cream | 10 |
| Condensed Milk | 13 | Butter | 29 |
| Margarine | 4 | Cheese | 11 |
| Lard | 12 | Coffee | 13 |
| Tea | 12 | Chocolate | 1 |
| Cocoa | 8 | Bread | 7 |
| Flour | 6 | Arrowroot | 3 |
| Cornflour | 2 | Rice | 3 |
| Barley | 1 | Oatmeal | 8 |
| Honey | 3 | Sugar | 9 |
| Treacle | 7 | Pepper | 8 |
| Mustard | 1 | Vinegar | 1 |
| Sausage | 5 | Tinned Meat | 5 |
| Potted Meat | 4 | Tinned Fruit | 6 |
| Yeast | 1 | Ground Ginger | 3 |
| Ground Almonds | 3 | Spirits | 12 |
| Drugs | 31 | | |

The samples of milk and four samples of spirits were formally and all the others informally taken.

The samples of milk were found to be "genuine, clean, and free from preservatives," and, with one or two exceptions, of very good average quality.

Of the informally taken samples of spirits, one of them, a sample of gin, was found to have been excessively diluted to the extent of 5.7 per cent. of extraneous water, having a gravity of 40.7 deg. U.P. instead of 35 deg. U.P.—the legal limit of dilution permissible. The other samples, including the four formally taken, were found to be of standard strength.

All the samples of butter were found to be genuine, free from preservatives and of good quality, but the samples of cheese, although genuine, were poor in quality, tasteless, and without "character" and probably of foreign origin.

No objectionable preservatives were found in the samples of tinned or potted meats or sausages submitted, and the samples of cream contained no traces of preservatives whatever.

The samples of condensed milk were of standard quality and properly labelled as required by the Regulations.

The remainder of the samples of foods were found to be of the usual standard quality, and need no special comment.

The samples of drugs examined, thirty-one in number, consisted of the following articles :—

| | | | |
|---------------------------|---|-------------------------|---|
| Salts of Tartar | 2 | Cream of Tartar | 1 |
| Vaseline | 1 | Paregoric | 1 |
| Tartaric Acid | 1 | Citric Acid | 1 |
| Linseed Meal | 4 | Tincture of Rhubarb ... | 2 |
| Citrate of Magnesia ... | 1 | Gregory's Powder | 2 |
| Cod Liver Oil | 3 | Castor Oil | 3 |
| Olive Oil | 1 | Almond Oil | 1 |
| Aloes | 1 | Sulphate of Quinine ... | 1 |
| Spirits of Camphor | 1 | Glycerine | 1 |
| Phenacetin | 1 | Antipyrine... .. | 1 |
| Bismuth Lozenges... .. | 1 | | |

These samples were found to be either genuine or otherwise in accordance with the requirements of the British Pharmacopœia.

I remain,

Yours faithfully,

THOS. J. HUTCHINSON, F.I.C.,

Borough Analyst.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE.

The total number of cases of notifiable infectious diseases (excluding tuberculosis) notified by medical practitioners during the year was 872. This figure is lower by 38 than the total number of notifications received during 1929. Chicken-pox is again responsible for the high total, nearly two-thirds of the total notifications received being in reference to this disease.

Individual diseases are dealt with under separate heads, whilst details of the notifications received and comparisons with the figures relating to previous years are given in Tables A, B, and C on pages 52, 53, and 54.

Zymotic Disease Deaths.—There were fifteen deaths from the seven principal zymotic diseases—Smallpox, Measles, Whooping Cough, Diphtheria, Scarlet Fever, Diarrhœa, and Fever (Typhoid, Enteric, and Typhus). This is a death rate of 0.26 per 1,000 of the population.

Smallpox.—Two cases of Smallpox were notified in the early part of the year, and were removed for treatment to the Ainsworth Smallpox Hospital. The patients were brothers, and were contacts with the cases notified in December of 1929. The disease was of a mild type. Since February, 1930, the Borough has been free from Smallpox.

VACCINATION.—No primary vaccinations or re-vaccinations have been performed by the Medical Officer of Health under the Public Health (Smallpox) Regulations, 1917, during the year.

The following table gives particulars regarding vaccination during recent years:—

COUNTY BOROUGH OF BURY.

| | Totals 1924 | Totals 1925 | Totals 1926 | Totals 1927 | Totals 1928 | Totals 1929 | Totals 1930 |
|--------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Births (during previous year) | 905 | 804 | 852 | 906 | 862 | 874 | 874 |
| Vaccinated | 204 | 127 | 200 | 206 | 205 | 112 | 139 |
| Insusceptible of Vaccination ... | 3 | 1 | 5 | 2 | 3 | 3 | 3 |
| Conscientious Objection Certificates | 524 | 453 | 504 | 563 | 507 | 589 | 598 |
| Dead, Unvaccinated ... | 51 | 44 | 54 | 62 | 59 | 58 | 52 |
| Postponed by Medical Certificate | 22 | 22 | 22 | 18 | 18 | 15 | 8 |
| Removal to districts known..... | 17 | 18 | 20 | 22 | 34 | 36 | 24 |
| Removal to districts unknown..... | 8 | 25 | 23 | 10 | 13 | 13 | 12 |
| Unaccounted for | 76 | 114 | 24 | 23 | 23 | 48 | 38 |

Table showing percentage of Vaccination, and also comparison with the years 1924 to 1929:—

| | Year ending December 31st. | | | | | | |
|-----------------------|----------------------------|----------|-----------|----------|-----------|----------|------|
| | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 |
| Number of Births ... | 905... | 804... | 852 ... | 906... | 862 ... | 874 ... | 874 |
| Vaccinated | 22.54... | 15.79... | 23.47 ... | 22.73... | 23.78 ... | 12.8 ... | 15.9 |
| Con. objection Certs. | 57.09... | 56.34... | 59.15 ... | 62.14... | 58.82 ... | 67.4 ... | 68.4 |
| Unaccounted for ... | 8.40... | 14.17... | 2.82 ... | 2.53... | 2.66 ... | 3.2 ... | 4.3 |

NOTE :—Births include all births registered in the Borough, i.e., before deduction of "outside" births and addition of inward transfers.

Diphtheria.—The number of cases of Diphtheria notified during 1930 was 46, which is a substantial decrease on the figure of 167 for 1929. There were no deaths as compared with five during the previous year. All the cases with the exception of two were removed to hospital for treatment.

Diphtheria Antitoxin is supplied to medical practitioners free. A supply is kept at the Health Office, and also at the Police Station so as to be available when the Health Office is closed.

QUARTERLY INCIDENCE.

| | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter | Total. |
|---------------|-------------|-------------|-------------|-------------|--------|
| Cases | 23 | 7 | 5 | 11 | 46 |
| Deaths | — | — | — | — | — |

WARD DISTRIBUTION.

| | Moorside. | East. | Church. | Redvales. | Elton. | Total. |
|---------------------|-----------|-------|---------|-----------|--------|--------|
| Cases | 15 | 7 | 7 | 7 | 10 | 46 |
| Deaths | — | — | — | — | — | — |
| Removed to hospital | 13 | 7 | 7 | 7 | 10 | 44 |

Scarlet Fever.—Number of cases notified, 102. No deaths. Cases removed to hospital, 82 per cent.

RETURN CASES.—The following table gives particulars of the two instances in which a second case of Scarlet Fever occurred in a house after the return home from hospital of a previous case:—

| Original Case. | | | Date Second Case Notified. |
|----------------------|--------------------------------|--------------------|----------------------------|
| Date of Notification | Date of Admission to Hospital. | Date of Discharge. | |
| Nov. 16th, 1929. | Nov. 16th, 1929. | Jan. 25th, 1930. | Feb. 7th, 1930. |
| Sept. 8th, 1930. | Sept. 8th, 1930. | Oct. 8th, 1930. | Nov. 7th, 1930. |

QUARTERLY INCIDENCE.

| | 1st Quarter. | 2nd Quarter. | 3rd Quarter. | 4th Quarter. | Total |
|---------------|--------------|--------------|--------------|--------------|-------|
| Cases | 25 | 13 | 25 | 39 | 102 |
| Deaths | — | — | — | — | — |

WARD DISTRIBUTION.

| | Moorside. | East. | Church. | Redvales. | Elton. | Total |
|--------------------|-----------|-------|---------|-----------|--------|-------|
| Cases | 15 | 19 | 2 | 35 | 31 | 102 |
| Deaths | — | — | — | — | — | — |
| Removed to Hosp'l. | 8 | 17 | 2 | 30 | 27 | 84 |

Enteric Fever.—Four cases of Enteric Fever (including one notified as Paratyphoid A and two as Paratyphoid B) were notified during the year. One of the cases proved fatal.

Puerperal Fever and Puerperal Pyrexia.—Five cases of Puerperal Fever (three of which died) and four cases of Puerperal Pyrexia were notified. Of the Puerperal Fever cases two were treated at the Florence Nightingale Hospital and recovered. The cases of Puerperal Pyrexia all recovered. Three were treated at their own homes, and one at the Bury Infirmary.

Encephalitis Lethargica.—Three cases were notified during the year, as compared with three in 1929 and none in 1928. Of the three cases notified two proved fatal, the third death from this disease during 1930 being a chronic case notified in a previous year.

Chicken-Pox.—This disease was again very prevalent during 1930, when 547 cases were notified by medical practitioners. This is the highest number of Chicken-Pox notifications received in one year since compulsory notification was introduced in 1916, and is 145 more than the figure (402) for 1928, which was the previous highest total.

A large number of the cases notified were visited by the Medical Officer of Health or Assistant Medical Officer of Health. Particularly were these visits made in the early part of the year, during the decline of the last outbreak of Smallpox.

Pneumonia.—The number of cases of Pneumonia notified during the year was 122, as compared with 159 in 1929. Of the 122 cases notified, 26 proved fatal.

Ophthalmia Neonatorum.—Seven notifications were received during 1930. Further reference to this disease is made on page 68.

Bacteriological Examinations.

The following are the particulars of the specimens examined during the year by Dr. J. S. Pooley, at the Broadfield Clinical Laboratory, Rochdale:—

| | Positive | Negative | Doubtful | Total |
|--------------------------------|----------|----------|----------|-------|
| Swabs for Diphtheria... .. | 4 ... | 83 ... | 2 ... | 89 |
| Blood for Typhoid Fever | 2 ... | 11 ... | — ... | 13 |
| Fæces for Typhoid Fever | — ... | 3 ... | — ... | 3 |
| Sputum for Tuberculosis... .. | 42 ... | 101 ... | — ... | 143 |

Disinfection.

The disinfection of clothing, bedding, &c., which has been exposed to infection, is carried out by the Bury and District Joint Hospital Board at the Florence Nightingale Hospital. Infected premises are dealt with by the Health Department. The following is a summary of disinfection carried out during the year:—

328 rooms in 184 houses were disinfected with the fumes of formaldehyde, and the walls of 420 rooms in 184 houses sprayed with a solution of formalin, after the occurrence in the house of a case of infectious disease.

Disinfection is also carried out after the occurrence of deaths or the removal of cases of Phthisis, and in this connection 38 rooms in 38 houses have been fumigated and the walls of 76 rooms in 38 houses sprayed. Eight rooms in four houses have also been disinfected after Cancer deaths.

Four schools were disinfected during the year after the occurrence of infectious diseases.

Four parcels of infected clothing and 84 sets of infected bedding were disinfected by steam.

Fluid disinfectant in bottles suitably labelled with instructions for use is supplied on application to occupiers of houses in which a case of infectious disease has occurred. Disinfectant is also supplied by the Health Department for use in the Elementary and Secondary Schools.

Table A.—Incidence of Notifiable Infectious Diseases (excluding Tuberculosis), Age Grouping, Ward Distribution, Cases Removed to Hospital, and Deaths during the Year 1930.

| NOTIFIABLE DISEASES. | Total Cases Notified in Whole District. | | | | | | | Total Cases Notified in each Ward. | | | | | Number of Cases Removed to Hospital from each Ward. | | | | | Total Cases removed to Hospital | Deaths of Notified Cases. |
|--|---|-----|------|-------|-------|-------|---------|------------------------------------|-------|---------|---------|--------|---|-------|---------|---------|--------|---------------------------------|---------------------------|
| | At all Ages. | | | | | | | At Ages | | | | | Total Cases Removed to Hospital from each Ward. | | | | | | |
| | Under 1 | 1-5 | 5-15 | 15-25 | 25-45 | 45-65 | Over 65 | Moorside. | East. | Church. | Redvi's | Elton. | Moorside. | East. | Church. | Redvi's | Elton. | | |
| Smallpox | 2 | .. | .. | 2 | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | 2 | .. | 2 | .. |
| Diphtheria (including Membranous Croup)..... | 46 | .. | 3 | 18 | 14 | 9 | 2 | .. | 15 | 7 | 7 | 10 | 13 | 7 | 7 | 7 | 10 | 44 | .. |
| Erysipelas | 30 | 1 | .. | 2 | 1 | 6 | 17 | 3 | 6 | 7 | 4 | 5 | 8 | .. | 1 | .. | 4 | 5 | 1 |
| Scarlet Fever | 102 | .. | 16 | 68 | 16 | 2 | .. | .. | 15 | 19 | 2 | 35 | 31 | 8 | 2 | 30 | 27 | 84 | .. |
| Enteric Fr (including Paratyphoid)..... | 4 | .. | .. | 1 | .. | 2 | 1 | .. | 1 | 1 | .. | .. | 2 | 1 | .. | .. | 1 | 3 | .. |
| Encephalitis Lethargica..... | 3 | .. | .. | 1 | 1 | .. | 1 | .. | .. | 2 | .. | .. | 1 | .. | .. | .. | .. | .. | 2 |
| Cerebro-Spinal Fever | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Continued Fever | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Poliomyelitis | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Ophthalmia Neonatorum | 7 | 7 | .. | .. | .. | .. | .. | .. | 1 | 4 | .. | 2 | .. | .. | .. | .. | .. | .. | .. |
| Chicken Pox..... | 547 | 23 | 150 | 365 | 8 | 1 | .. | .. | 130 | 182 | 76 | 47 | 112 | .. | .. | .. | .. | .. | .. |
| Pneumonia | 122 | 3 | 7 | 34 | 11 | 30 | 27 | 10 | 30 | 23 | 12 | 15 | 42 | .. | .. | .. | .. | .. | 26 |
| Malaria | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Dysentery | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Puerperal Fever | 5 | .. | .. | .. | 1 | 4 | .. | .. | 1 | 1 | 2 | .. | 1 | .. | 1 | .. | .. | 2 | 3 |
| Puerperal Pyrexia | 4 | .. | .. | .. | 2 | 2 | .. | .. | .. | 1 | .. | 2 | 1 | .. | .. | .. | .. | .. | .. |
| Totals..... | 872 | 34 | 176 | 489 | 56 | 56 | 48 | 13 | 199 | 247 | 103 | 113 | 210 | 22 | 26 | 11 | 39 | 140 | 33 |

Table B.—Total Deaths from Infectious Diseases (notifiable and not notifiable) during the year 1930.

| Disease. | Deaths at All Ages. | Deaths at Age Periods:— | | | | | | | | | | | |
|---------------------------------|---------------------|-------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|---------|
| | | Under 1 | 1—2 | 2—3 | 3—4 | 4—5 | 5—10 | 10—15 | 15—20 | 20—35 | 35—45 | 45—65 | Over 65 |
| Enteric Fever ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... |
| Scarlet Fever ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Diphtheria and Membranous Croup | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles | 2 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Whooping Cough | 4 | 1 | 2 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Erysipelas | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... |
| Influenza | 16 | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 2 | 4 | 6 |
| Interperal Fever .. | 3 | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | ... | ... |
| Pneumonia | 63 | 6 | 2 | 2 | 1 | ... | 2 | ... | 1 | 4 | 5 | 22 | 18 |
| Scarlet Fever and Lethargica... | 3 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... |
| Totals | 93 | 7 | 6 | 3 | 1 | ... | 2 | ... | 1 | 12 | 9 | 28 | 24 |

Table C.—Showing the number of cases of Infectious Disease notified from 1911 to 1930.

| DISEASE. | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Smallpox | 30 | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 51 | 6 | 2 |
| Scarlet Fever | 220 | 139 | 296 | 250 | 156 | 112 | 85 | 50 | 27 | 76 | 138 | 185 | 139 | 132 | 177 | 121 | 160 | 90 | 121 | 102 |
| Diphtheria and Membran'us Croup | 44 | 13 | 66 | 59 | 51 | 48 | 165 | 114 | 115 | 74 | 49 | 46 | 56 | 50 | 69 | 66 | 81 | 94 | 167 | 46 |
| Enteric Fever.... | 25 | 6 | 7 | 8 | 8 | 5 | 7 | 5 | 7 | 1 | 1 | 1 | 4 | 1 | .. | .. | .. | 3 | 4 | 4 |
| Continued Fever.. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. |
| Puerperal Fever.. | 6 | 6 | 6 | 4 | 3 | 2 | 4 | 2 | 3 | 6 | 7 | 7 | 3 | 1 | 4 | 3 | 6 | 3 | 7 | 5 |
| *PuerperalPyrexia | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 | 3 | 6 | 4 |
| Erysipelas | 32 | 41 | 28 | 36 | 48 | 29 | 18 | 16 | 28 | 25 | 20 | 22 | 28 | 20 | 29 | 28 | 31 | 25 | 24 | 30 |
| †Chickenpox | .. | .. | .. | .. | .. | 223 | 103 | 138 | 97 | 190 | 237 | 181 | 189 | 331 | 359 | 367 | 270 | 309 | 402 | 547 |
| Poliomyelitis | .. | 2 | .. | 1 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | .. | .. | 1 | 1 | .. | .. |
| Cerebro-Spinal Fr | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | 1 | .. | .. |
| Encephalitis Lethargica | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 2 | .. | 3 | 11 | 3 | 1 | 3 | .. | 3 | 3 |
| Ophthalmia Neonatorum. | .. | 1 | 4 | 15 | 15 | 22 | 21 | 6 | 11 | 12 | 14 | 17 | 6 | 8 | 13 | 9 | 11 | 7 | 11 | 7 |
| ‡Pneumonia | .. | .. | .. | .. | .. | .. | .. | .. | 149 | 53 | 45 | 160 | 205 | 108 | 161 | 107 | 164 | 91 | 159 | 122 |
| ‡Malaria | .. | .. | .. | .. | .. | .. | .. | .. | 23 | 10 | 2 | .. | .. | 1 | .. | .. | .. | .. | .. | .. |
| ‡Dysentery | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| TOTALS..... | 357 | 208 | 408 | 373 | 281 | 442 | 403 | 331 | 462 | 449 | 515 | 619 | 633 | 664 | 815 | 703 | 735 | 678 | 910 | 872 |

† Made notifiable on Mar. 29th, 1916.

‡ Made notifiable Mar. 1st, 1919.

* Made notifiable on October 1st, 1926.

TUBERCULOSIS.

The following table shows the number of new cases and deaths from Tuberculosis, at various ages, during 1930 :—

| AGE PERIODS. | NEW CASES during 1930. | | | | Deaths during 1930. | | | |
|----------------|---------------------------|--------|---------------|---------|---------------------|---------|---------------|---------|
| | Pulmonary. | | Non-Pulmonary | | Pulmonary. | | Non-Pulmonary | |
| | Male | Female | Male | Female. | Male | Female. | Male | Female. |
| 0—1 year. | — | — | 1 | — | — | — | — | — |
| 1—5 years. | — | — | 3 | 1 | — | — | 1 | — |
| 5—10 „ | — | — | 4 | 2 | — | — | — | — |
| 10—15 „ | — | 1 | 1 | — | — | 1 | — | — |
| 15—20 „ | 1 | 6 | 1 | 1 | — | 3 | 1 | 2 |
| 20—25 „ | 5 | 6 | 1 | 3 | 2 | 1 | — | — |
| 25—35 „ | 4 | 4 | 2 | 5 | 3 | 4 | — | 3 |
| 35—45 „ | 8 | 9 | — | 1 | 9 | 2 | 2 | — |
| 45—55 „ | 5 | 3 | — | — | 7 | 1 | 1 | 1 |
| 55—65 „ | — | — | — | — | 1 | — | — | — |
| 65 and upwards | — | — | — | — | — | — | 1 | 1 |
| Totals | 23 | 29 | 13 | 13 | 22 | 12 | 6 | 7 |

Death Rates :

The death rate from Pulmonary Tuberculosis per 1,000 of the population was 0.60, and the death rate from all forms of Tuberculosis was 0.83. Last year the rates were 0.65 per 1,000 from Pulmonary Tuberculosis, and 0.81 from all forms.

The following table shows the decline during the past thirty years in the number of deaths and rates per 1,000 of the population from all forms of tuberculosis:—

| Period. | Number of Deaths. | Rate per 1,000 of Population |
|---------|-------------------|------------------------------|
| 1901-10 | 1021 | 1·74 |
| 1911-20 | 812 | 1·45 |
| 1921 | 64 | 1·19 |
| 1922 | 50 | 0·89 |
| 1923 | 59 | 1·03 |
| 1924 | 53 | 0·93 |
| 1925 | 56 | 1·16 |
| 1926 | 47 | 0·83 |
| 1927 | 58 | 1·02 |
| 1928 | 49 | 0·86 |
| 1929 | 46 | 0·81 |
| 1930 | 47 | 0·83 |

Deaths and Notification.—Of the 34 deaths from Pulmonary Tuberculosis, two cases had not previously been notified by general practitioners under the Public Health (Tuberculosis) Regulations, and of the thirteen cases of Non-Pulmonary Tuberculosis which died eleven had been previously notified. In no case was there any evidence of wilful neglect or refusal to notify.

Public Health (Prevention of Tuberculosis) Regulations, 1925.—No case of Tuberculosis among employers in the milk trade was notified during the year, no action in this respect, therefore, being necessary.

Public Health Act, 1925, Section 62.—It has not been necessary in any case to apply for an order for compulsory removal to hospital during the year.

Tuberculosis Schemes.—Institutional treatment is given to cases of Pulmonary Tuberculosis at the Bury and District Joint Hospital Board's Institution (the Aitken Sanatorium at Holcombe, near Bury). Cases of Non-Pulmonary Tuberculosis are treated at the Bury Infirmary and at the Manchester and Salford Hospital

for Skin Diseases. Non-Pulmonary cases are also sent, when necessary, to the Manchester Royal Infirmary and to the Shropshire Orthopædic Hospital.

A male patient from Bury was sent to the Papworth Village Settlement, near Cambridge, during 1929, for a course of treatment combined with vocational training. He was still an in-patient at the end of 1930, when his condition was reported as being very satisfactory.

The number of patients treated at the various institutions, together with the patient days during 1930, are as follows:—

| Institution. | No. of patients. (Undischarged at end of 1929 and admitted during 1930.) | No. of Patient days. |
|---|---|----------------------------|
| Aitken Sanatorium | 46 | 5883 |
| Bury Infirmary | 23 | 1029 |
| Shropshire Orthopædic Hospital | 4 | 635 |
| Manchester Royal Infirmary | 2 | 49 |
| Papworth Village Settlement, near Cambridge | 1 | 365 |
| Manchester and Salford Hospital for Skin Diseases | *7 | †69 |

* Out-patients.

† Out-patient attendances.

The Tables on the following pages give details of the work at and in connection with the Tuberculosis Dispensary (Table I.), the extent of residential treatment (Table II.), and the results of this treatment (Table III.):—

Table I.

Return showing the work of the Dispensary during the year 1930.

| DIAGNOSIS. | PULMONARY. | | | | NON-PULMONARY | | | | TOTAL. | | | |
|---|------------|----|----------|----|---------------|----|----------|----|---------|-----|----------|------|
| | Adults. | | Children | | Adults. | | Children | | Adults. | | Children | |
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. |
| A.—NEW CASES examined during the year (excluding contacts): | | | | | | | | | | | | |
| (a) Definitely tuberculous | 21 | 25 | — | — | 5 | 8 | 8 | 3 | 26 | 33 | 8 | — |
| (b) Doubtfully tuberculous..... | — | — | — | — | — | — | — | — | — | 1 | — | — |
| (c) Non-tuberculous | — | — | — | — | — | — | — | — | 2 | 1 | — | — |
| B.—CONTACTS examined during the year: | | | | | | | | | | | | |
| (a) Definitely tuberculous | — | 1 | — | — | — | — | — | — | — | 1 | — | — |
| (b) Doubtfully tuberculous..... | — | — | — | — | — | — | — | — | — | — | — | — |
| (c) Non-tuberculous..... | — | — | — | — | — | — | — | — | 2 | 1 | 3 | — |
| C.—CASES written off the Dispensary Register as | | | | | | | | | | | | |
| (a) Cured | 1 | 1 | — | — | — | — | 1 | 2 | 1 | 1 | 1 | — |
| (b) Diagnosis not confirmed or non-tuberculous (including cancellation of cases notified in error .. | — | — | — | — | — | — | — | — | 4 | 3 | 4 | — |
| D.—NUMBER OF PERSONS on Dispensary Register on December 31st: | | | | | | | | | | | | |
| (a) Diagnosis completed | 77 | 74 | 6 | 5 | 34 | 36 | 25 | 21 | 111 | 110 | 31 | 26 |
| (b) Diagnosis not completed | — | — | — | — | — | — | — | — | — | 1 | — | — |
| 1. Number of persons on Dispensary Register on January 1st | 272 | | | | | | | | | | | |
| 2. Number of Patients transferred from other areas and of 'lost sight of' cases returned | 7 | | | | | | | | | | | |
| 3. Number of patients transferred to other areas and cases "lost sight of" | 31 | | | | | | | | | | | |
| 4. Died during the year | 34 | | | | | | | | | | | |
| 5. Number of observation cases under A (b) and B (b) above in which period of observation exceeded 2 months | 1 | | | | | | | | | | | |
| 6. Number of attendances at the Dispensary (including Contacts) | 434 | | | | | | | | | | | |
| 7. Number of attendances of non-pulmonary cases at Orthopaedic Out stations for treatment or supervision | — | | | | | | | | | | | |
| 8. Number of attendances, at General Hospitals or other Institutions approved for the purpose, of patients for | | | | | | | | | | | | |
| (a) "Light" treatment | 639 | | | | | | | | | | | |
| (b) Other special forms of treatment | 8 | | | | | | | | | | | |
| 9. Number of Patients to whom Dental Treatment was given, at or in connection with the Dispensary .. | — | | | | | | | | | | | |
| 10. Number of consultations with medical practitioners:— | | | | | | | | | | | | |
| (a) At Homes of Applicants..... | | | | | | | | | | | | |
| (b) Otherwise | | | | | | | | | | | | 38 |
| 11. Number of other visits by Tuberculosis Officers to Homes | | | | | | | | | | | | 44 |
| 12. Number of visits by Nurses or Health Visitors to Homes for Dispensary purposes..... | | | | | | | | | | | | 1429 |
| 13. Number of | | | | | | | | | | | | |
| (a) Specimens of sputum, &c., examined | | | | | | | | | | | | 21 |
| (b) X-ray examinations made in connection with Dispensary work | | | | | | | | | | | | — |
| 14. Number of Insured Persons on Dispensary Register on the 31st Decr. | | | | | | | | | | | | 183 |
| 15. Number of Insured Persons under Domiciliary Treatment on the 31st December | | | | | | | | | | | | 55 |
| 16. Number of reports received during the year in respect of Insured Persons: | | | | | | | | | | | | |
| (a) Form G.P. 17..... | | | | | | | | | | | | 29 |
| (b) Form G.P. 36..... | | | | | | | | | | | | 220 |

* Includes all Tuberculosis Visits.

Table II.
RESIDENTIAL INSTITUTIONS.

(A.) Average number of Beds available for Patients during the year 1930.

| | Observation. | PULMONARY TUBERCULOSIS. | | NON-PULMONARY TUBERCULOSIS. | | TOTAL. |
|----------------------|--------------|-------------------------|-----------------|------------------------------|-------------------|--------|
| | | "Sanatorium" Beds | "Hospital" Beds | Diseases of Bones and Joints | Other Conditions. | |
| Adult Males | ... | 12 | | 1 | 1 | 14 |
| Adult Females | ... | 8 | | 1 | 1 | 10 |
| Children under 15... | ... | ... | | 1 | 1 | 2 |
| Total..... | ... | 20 | | 3 | 3 | 26 |

(B.) Return showing the extent of Residential Treatment during the year 1930.

| | | In Institutions on January 1st. | Admitted during the Year. | Discharged during the Year. | Died in the Institutions. | In Institutions on December 31st. |
|-----------------------------|--------------------|---------------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------------|
| Number of Patients | Adults { Male... | 17 | 26 | 28 | 6 | 9 |
| | Adults { Female | 5 | 21 | 17 | 1 | 8 |
| | Children { Male... | ... | 5 | 5 | ... | ... |
| | Children { Female | ... | 2 | 1 | ... | 1 |
| Number of Observation cases | Adults { Male... | ... | ... | ... | ... | ... |
| | Adults { Female | ... | ... | .. | ... | .. |
| | Children { Male... | ... | ... | ... | ... | ... |
| | Children { Female | ... | ... | ... | ... | ... |
| Total..... | | 22 | 54 | 51 | 7 | 18 |

VENEREAL DISEASES.

The Clinic for the treatment of Venereal Diseases is held twice weekly at the Joint Clinics, The Wylde—Tuesday, 6-30 p.m. to 8-30 p.m., for females, and Friday, 6-30 to 8-30 p.m., for males. The medical officer in charge is Dr. J. Holker, of Manchester, who is assisted in an honorary capacity by Dr. Lucy Stokoe, of Manchester. Free treatment is available for any person, whether resident in the Borough or elsewhere.

The accommodation consists of two dressing rooms, male and female examination rooms, laboratory, doctors' room and waiting room.

The cases attending the Clinic for the first time during 1930 show an increase of 77 on the figure for the previous year. The number of out-patient attendances (4,139) shows the substantial increase of 1,940 over the 1929 figure. The average yearly attendance for the past five years is 2,518. The increase in the figures for 1930 is probably due, in the first place, to a campaign carried out by the Health Department in conjunction with the British Social Hygiene Council in February of 1930, when a series of lectures dealing mainly with the dangers of venereal diseases was held in the town, and secondly to the more intensive course of treatment now carried out at the Clinic, thus necessitating additional attendances of patients.

The medical practitioners in the area are aware of the facilities provided for the diagnosis and treatment of Venereal Disease at the Clinic.

The number of medical practitioners in the area who are qualified to receive free supplies of Arsenobenzol compounds is four.

During the year specimens of blood for the Wasserman test were sent to the Public Health Laboratory, Manchester, for examination as follows:—

| | |
|---|-----|
| From the Venereal Diseases Clinic | 455 |
| „ medical practitioners in the Borough | 27 |
| „ Bury Infirmary | 72 |
| „ Jericho Institution | 7 |

Dr. Holker reports that he has pointed out previously to the medical practitioners of Bury and district the need for an early diagnosis in cases of suspected Venereal Disease, and has therefore pressed the need for making use of the microscopical equipment with which the Clinic is provided. He is very pleased to say that the response to his friendly criticism has on the whole been a good one. A reflection of the response is seen in the greatly increased number of pathological examinations made during last year.

The following table gives particulars of the work carried out in the Borough under the Venereal Diseases Scheme:—

| | For detection of | | | For Wasserman Reaction. |
|---|------------------|-----------|------------------|-------------------------|
| | Spirochetes. | Gonococci | Other Organisms. | |
| 9. Examinations of Pathological material:— | | | | |
| (a) Specimens which were examined at, and by the Medical Officer of, the Treatment Centre. | 59 | 230 | .. | .. |
| (b) Specimens from persons attending at the Treatment Centre which were sent for examination to an approved laboratory..... | .. | .. | .. | 449 |

STATEMENT showing the services rendered at the Treatment Centre during the year, classified according to the areas in which the patients resided.

| Name of County or County Borough (or Country in the case of persons residing elsewhere than in England and Wales) to be inserted in these headings. | Bury. | Lanc'shire C.C. | Rochdale. | Bolton. | Manch'str | Hallfax | Blackburn | Liverpool | Blackpool | Total. |
|---|---|--------------------|-----------|---------|-----------|---------|-----------|-----------|-----------|--------|
| A. Number of cases from each area dealt with during the year <i>for the first time</i> and found to be suffering from:— | | | | | | | | | | |
| Syphilis | 84 | 33 | 5 | 1 | 2 | .. | .. | .. | .. | 125 |
| Soft Chancre..... | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 |
| Gonorrhoea | 47 | 37 | 1 | .. | 1 | 1 | 1 | 1 | .. | 89 |
| Conditions other than venereal..... | 9 | 7 | .. | 1 | .. | .. | .. | .. | .. | 17 |
| Total..... | 140 | 78 | 6 | 2 | 3 | 1 | 1 | 1 | .. | 232 |
| B. Total number of attendances of all patients residing in each area..... | 2202 | 1794 | 3 | 104 | 26 | 1 | 6 | 1 | 2 | 4139 |
| C. Aggregate number of "In-patient days" of all patients residing in each area..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| D. Number of doses of Arsenobenzol compounds given to patients residing in each area:— | | | | | | | | | | |
| 1. Out-patient Clinic | 1119 | 818 | 3 | 52 | 7 | .. | .. | .. | .. | 1999 |
| 2. In-patient Dept..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| E. Give the names of arsenobenzol compounds used in the treatment of syphilis and the usual initial and final doses | Neokharsivan generally. Sulfarsenol occasionally. Initial dose usually 0.45, final dose usually 0.6. | | | | | | | | | |
| F. State the amount and kind of treatment usually administered to a case of Syphilis of each of the types usually dealt with at the Treatment Centre. | In the latter part of the year the course was increased to 12 i.v.'s., 0.45, 0.6, 0.6, 0.6, rest 0.6, 0.6, 0.6, 0.6, rest 0.6, 0.6, 0.6. Now the treatment consists of two full courses of 8 each with K.I. between. Sometimes the course begins with 0.3 or ends with 0.75 or 0.9. Bismuth is given in late Syphilis. Sulfarsenol is mostly given to children. | | | | | | | | | |
| G. State the nature of tests applied in deciding as to discharge of patients referred to in Item 5 on previous page | As in Memo. V ²¹ , but no culture or complement fixation test is used. | | | | | | | | | |

MATERNITY AND CHILD WELFARE.

Maternal Mortality.—There were four deaths during pregnancy or parturition as compared with five in the previous year. All four deaths occurred in institutions—two at the Bury Infirmary and two at the Jericho Institution. Death was due in three cases to Puerperal Sepsis with complications, and in the remaining case to Eclampsia.

The maternal mortality rate was 5.4 per 1,000 births registered, there being one maternal death for every 184 births. The maternal mortality rate is lower than the rate for the two previous years. In 1929 the rate was 6.4 per 1,000 births, and in 1928 9.4 per 1,000 births.

Arrangements for Attending to the Health of Children under Five Years of Age and of Expectant and Nursing Mothers.

Under the Notification of Births Act of 1907 the notification of every birth, within a period of 36 hours, is made compulsory. These notifications are forwarded to the Medical Officer of Health, and on their receipt a health visitor calls at the home and makes certain enquiries as to surroundings, food, &c. If no doctor is in attendance the health visitor advises the mother on various points of hygiene, &c. Periodical visits are made, diminishing in frequency until the child attains the age of five years, when it comes under the supervision of the School Medical Officer.

During 1930, the total of births notified under the Act was 891. The live births numbered 845, and the still births 46. The number of births notified by midwives was 500, and the number notified by doctors, parents, and from institutions was 391. Of the latter number 153 were in relation to infants whose parents were non-residents of the Borough, i.e., the mother having entered a Bury Institution for her confinement.

From the table on page 70 it will be seen that during the year a total of 12,679 routine visits and re-visits have been paid to the homes of children under five years of age.

Expectant mothers are visited by the health visitors if requested to do so. The request is often made by the prospective mother herself or by the midwife engaged for the confinement. In this way much useful advice is given. During 1930 the health visitors made 126 first visits and 333 re-visits of this kind.

Consultation and Treatment Centres.—Two consultation centres are in operation, one at The Wylde, and one at Wood Street School, Elton. The accommodation provided at The Wylde for Infant Welfare Work is all on the ground floor, and consists of a consulting room with waiting room and dressing room adjoining, a weighing room, records room, shop, waiting hall with tea counter and electric water boiler, visitors' and staff lavatories, and a perambulator shed. Clinics are held on Monday and Thursday afternoons, and a medical officer attends at each session. The work of the Wood Street School Centre has continued as before. This Centre is open on Wednesday afternoons only, and a medical officer attends each alternate week.

Each child attending a centre is weighed weekly, and charts of the weights and medical records of the health of the children are kept. Cases which require medical treatment are referred to their own medical attendant. Advice is given on feeding and minor infantile disorders.

During the year 493 infants under one year of age and 163 children between the ages of one and five years attended the Centres for the first time. The total number of attendances of infants under one year was 2,560, and of children from one to five years 6,917. The average attendance of all children per session at the Centres was 68.

Thanks are due to the band of voluntary workers for their interest and assistance in the work of the Infant Welfare Centres. They render invaluable service by taking charge of the arrangements for the sale of dried milk, virol, &c., and in preparing tea for the mothers.

Ante-Natal Clinic.—The Ante-Natal Clinic is held on alternate Wednesdays at the Joint Clinics, The Wylde, but occasionally cases are seen on Mondays or Thursdays at the Child Welfare Clinic.

It is a matter for regret that greater use is not made of this Clinic by expectant mothers. During 1930 only 37 new cases attended, a decrease of 21 on the previous year. The total number of attendances was 142, a decrease of 96 on the 1929 attendances. The post-natal attendances numbered 33.

There was no maternal death among patients who attended the Ante-Natal Clinic during the year.

Many irregularities in health were discovered and rectified either on advice received at the Clinic or on the patients being referred to their own medical attendant.

Supply of Food and Milk.—The Corporation has arranged for the provision of free milk (fresh and dried) or milk at half-cost to necessitous cases in which the family income, according to the number of persons, comes within the limits of the under-mentioned scale. Free milk or milk at a reduced cost is only supplied to persons who attend the Welfare Centres, and in all cases careful enquiries are made and statements as to income verified before a grant is made.

Scale of income for the supply of milk free or at a reduced price :—

| No. of Persons in Family. | Nett Income of family after deducting rent. | | | | | | | |
|---------------------------------|---|-----|---------------------|-----|------------------------|-----|--------------------|--|
| | Free Supply. | | Income per head. | | Supply at 50% cost. | | Income per head | |
| 2 | 25/- | ... | 12/6 | ... | 27/- | ... | 13/6 | |
| 3 | 30/- | ... | 10/- | ... | 33/- | ... | 11/- | |
| 4 | 34/- | ... | 8/6 | ... | 38/- | ... | 9/6 | |
| 5 | 42/6 | ... | 8/6 | ... | 47/6 | ... | 9/- | |
| 6 | 48/- | ... | 8/- | ... | 51/- | ... | 8/6 | |
| 7 | 56/- | ... | 8/- | ... | 59/6 | ... | 8/6 | |
| 8 | 56/- | ... | 7/- | ... | 64/- | ... | 8/- | |
| 9 | 63/- | ... | 7/- | .. | 72/- | .. | 8/- | |
| 10 | 70/- | ... | 7/- | ... | 80/- | ... | 8/- | |
| 11 | 77/- | ... | 7/- | ... | 88/- | ... | 8/- | |
| 12 | 84/- | ... | 7/- | ... | 96/- | ... | 8/- | |

Applications dealt with during 1930 :—

| | |
|---|-----|
| Number of applications for a supply of free milk received ... | 114 |
| Number of families to whom a supply of free milk was granted | 101 |
| Number of families to whom a supply of milk at half cost was granted | 1 |
| Number of applications refused | 12 |

Complicated Cases of Labour.—An agreement has been in force since June, 1920, under which cases of complicated labour are treated at the Bury Infirmary. Under this agreement during the year 1930, 8 patients were treated at the Institution, as compared with 13 in the previous year.

Midwives.—The records, appliances, methods of practice, &c., of the midwives registered as practising in the Borough have been regularly inspected. 71 visits have been paid in this connection. The number of medical aid forms received from midwives in accordance with the rules of the Central Midwives' Board was 226.

Co-ordination with the School Medical Service.—As the same medical officers carry out the child welfare work and the work of medical inspection of school children there is complete co-ordination between the two branches.

Ophthalmia Neonatorum.—Seven cases of Ophthalmia Neonatorum were notified during the year, the rate per 1,000 births being 10, as compared with 14 per 1,000 births in 1929. The following table gives further particulars :—

| Cases. | Notified. | Treated. | | Vision Unimpaired. | Vision Impaired. | Total Blindness. | Deaths. |
|--------|-----------|----------|-------------|--------------------|------------------|------------------|---------|
| | | At Home. | At Hospital | | | | |
| 7 | 7 | 3 | 4 | 7 | .. | .. | .. |

Orthopædic Treatment.—A scheme for the Orthopædic treatment of crippling defects (by arrangement with the Lancashire County Council) is now in force. During the year seven children between the ages of 1 and 5 years paid nine visits to the Lancashire County Council's Orthopædic Clinic at Whitefield, where they were seen by the County Assistant Orthopædic Surgeon, Mr. E. S. Brentnall, F.R.C.S., for advice re treatment.

One child of pre-school age received treatment at Biddulph Orthopædic Hospital, from which institution she was discharged on May 9th, after seven months' stay in hospital. The diagnosis on admission was Genu Varum, and on discharge the child was pronounced cured, with general condition much improved.

SUMMARY OF WORK OF THE HEALTH VISITORS.

| Visits and Attendances. | No. |
|--|-------|
| First visits to notified births | 702 |
| Re-visits to infants under one year of age | 3744 |
| Re-visits to children over one and under five years | 8233 |
| Visits to expectant mothers | 126 |
| Re-visits to expectant mothers | 333 |
| Visits re deaths of infants under one year of age | 39 |
| Re-visits during the summer diarrhoea season | 3786 |
| Visits re infectious diseases:— | |
| Measles, Whooping Cough, &c. | 665 |
| Chicken-pox | 572 |
| Ophthalmia Neonatorum | 11 |
| Puerperal Fever and Puerperal Pyrexia | 11 |
| Visits to houses in which cases of Tuberculosis have been notified | 83 |
| Re-visits to houses in which cases of Tuberculosis have been notified | 1317 |
| Visits to Midwives | 71 |
| Attendances at Clinics:— | |
| Infant Welfare Centres | 262 |
| Ante-Natal | 24 |
| Tuberculosis, Morning Clinics | 69 |
| „ Evening Clinics | 9 |
| Visits and enquiries re applications under milk assistance scheme | 833 |
| Visits and enquiries re applications for extra nourishments under Tuberculosis Scheme | 29 |
| Visits re disinfection | 38 |
| Visits to Boarded out and Nursed-out Children | 61 |
| Special investigation visits re young children (Board of Education) | 13 |
| Visits and enquiries re Medical and Hospital Fees | 52 |
| Visits for other causes | 118 |
| Total Visits | 20837 |
| Total Attendances at Clinics | 364 |

THE BURY AND DISTRICT JOINT WATER BOARD.

RAINFALL AT WORKSHOP YARD, PARSONS LANE.

| | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| January .. | 3.29 | 3.56 | 2.13 | 5.39 | 2.22 | 4.26 | 2.86 | 5.65 | 1.59 | 4.87 | 4.96 | 2.98 | 6.22 | 3.47 | 3.63 | 3.79 | 5.35 | 5.02 | 7.37 | 4.76 | 4.62 | 3.74 | 3.37 | 5.85 | 5.31 | 13.07 | 2.44 | 5.81 |
| February .. | 3.87 | 3.86 | 2.43 | 3.71 | 2.74 | 3.87 | 2.67 | 4.27 | 5.02 | 1.71 | 1.73 | 2.64 | 5.04 | 4.75 | 1.53 | 5.87 | 1.19 | 4.75 | 0.50 | 5.26 | 6.84 | 1.33 | 7.45 | 4.63 | 2.25 | 6.33 | 1.32 | 0.47 |
| March .. | 4.72 | 2.57 | 3.44 | 3.51 | 3.82 | 3.37 | 3.39 | 0.88 | 2.11 | 6.46 | 5.02 | 5.93 | 1.89 | 2.37 | 2.99 | 2.13 | 7.06 | 3.74 | 3.64 | 3.30 | 2.17 | 1.75 | 2.41 | 2.86 | 6.09 | 3.09 | 1.52 | 3.32 |
| April | 2.21 | 2.64 | 3.20 | 2.27 | 1.85 | 2.50 | 3.63 | 2.71 | 2.93 | 1.00 | 4.96 | 1.96 | 1.83 | 3.59 | 1.88 | 1.04 | 2.59 | 5.01 | 1.70 | 2.53 | 3.81 | 2.28 | 2.96 | 1.92 | 3.21 | 1.04 | 1.29 | 2.34 |
| May | 4.50 | 2.56 | 0.52 | 3.60 | 4.38 | 3.16 | 2.35 | 3.30 | 2.46 | 3.13 | 3.39 | 2.55 | 1.53 | 2.78 | 1.58 | 3.13 | 2.11 | 7.22 | 2.67 | 2.03 | 4.30 | 5.57 | 4.52 | 3.33 | 1.90 | 1.58 | 3.50 | 2.48 |
| June | 1.66 | 1.29 | 3.53 | 1.97 | 7.62 | 2.02 | 2.69 | 3.31 | 3.04 | 5.95 | 2.58 | 1.56 | 2.75 | 3.13 | 2.40 | 1.87 | 1.67 | 3.16 | 0.44 | 2.68 | 0.91 | 2.32 | 0.06 | 2.43 | 4.74 | 7.23 | 1.36 | 1.81 |
| July | 3.81 | 1.86 | 2.36 | 1.96 | 2.81 | 5.02 | 6.83 | 4.14 | 0.22 | 5.34 | 1.17 | 4.89 | 4.51 | 2.02 | 2.31 | 3.98 | 2.07 | 8.17 | 1.89 | 4.91 | 5.04 | 4.57 | 1.99 | 2.28 | 3.04 | 2.33 | 3.83 | 5.89 |
| August .. | 5.36 | 4.85 | 5.10 | 4.75 | 4.46 | 3.45 | 3.24 | 6.05 | 2.47 | 7.58 | 2.98 | 3.46 | 5.62 | 3.30 | 6.64 | 3.64 | 3.87 | 2.73 | 6.07 | 5.04 | 6.02 | 7.09 | 5.43 | 5.24 | 7.27 | 6.26 | 5.86 | 7.13 |
| September | 5.42 | 1.45 | 2.70 | 1.57 | 1.20 | 3.93 | 2.65 | 0.21 | 4.03 | 1.76 | 2.06 | 4.77 | 0.61 | 2.78 | 2.48 | 12.53 | 1.88 | 3.02 | 1.47 | 4.57 | 4.70 | 4.62 | 4.53 | 4.15 | 6.41 | 0.74 | 2.13 | 3.97 |
| October .. | 9.24 | 2.38 | 3.54 | 7.08 | 4.09 | 1.83 | 5.68 | 3.58 | 3.74 | 5.50 | 2.01 | 2.74 | 1.95 | 8.52 | 9.17 | 4.39 | 2.76 | 1.66 | 2.83 | 0.62 | 6.34 | 5.60 | 5.35 | 4.23 | 4.63 | 5.95 | 7.04 | 6.49 |
| November | 3.90 | 4.20 | 4.49 | 3.59 | 3.56 | 3.03 | 1.52 | 5.43 | 4.50 | 3.57 | 5.05 | 5.90 | 2.31 | 3.10 | 5.35 | 2.87 | 3.74 | 1.97 | 3.17 | 3.83 | 7.64 | 2.70 | 3.08 | 6.36 | 4.39 | 7.17 | 8.81 | 6.53 |
| December | 2.06 | 3.08 | 0.69 | 5.01 | 4.24 | 3.12 | 3.01 | 4.33 | 7.25 | 5.34 | 2.90 | 6.49 | 8.36 | 3.34 | 2.41 | 10.10 | 7.05 | 3.86 | 7.10 | 5.56 | 5.25 | 5.44 | 3.26 | 2.32 | 1.48 | 3.65 | 8.22 | 4.23 |
| TOTAL .. | 50.04 | 34.30 | 34.13 | 44.41 | 42.99 | 39.56 | 45.52 | 43.86 | 39.36 | 52.21 | 38.80 | 45.87 | 42.62 | 43.15 | 42.37 | 55.34 | 41.34 | 50.31 | 38.85 | 45.09 | 57.64 | 47.01 | 44.41 | 45.60 | 50.72 | 58.44 | 47.32 | 50.47 |

INDEX.



| | PAGE |
|--|-------------|
| Abattoirs | 40—43 |
| Ambulance facilities | 20 |
| Ante-natal Clinic | 67 |
| Bacteriological Examinations | 51 |
| Births, including still births | 7, 8, 65 |
| Cancer | 10, 11 |
| Chicken-Pox | 50 |
| Child Mortality | 10 |
| Clinics and Treatment Centres | 21 |
| Closet Accommodation | 24—26 |
| Contagious Diseases (Animals) Acts | 44 |
| Committee, Health | 3 |
| Common Lodging Houses | 30 |
| Deaths | 7, 8, 10—13 |
| Diphtheria and Membranous Croup | 49 |
| Disinfection | 51 |
| Drainage and Sewerage | 23, 24 |
| Encephalitis Lethargica | 50 |
| Enteric Fever | 50 |
| Explosives Acts | 31 |
| Factories, Workshops, and Workplaces | 32 |
| Food, Inspection and Supervision of | 38—46 |
| General Provision of Health Services in the area | 15—21 |
| Hospitals | 18, 19 |
| Houses Let in Lodgings | 30 |
| Housing | 33—37 |
| Ice Cream Manufacturing | 40 |
| Infant Mortality | 8, 9, 13 |

| | PAGE |
|---|--------|
| Infectious Disease—prevalence of and control over | 47—54 |
| Infectious Disease—notification of | 52—54 |
| Infectious Disease—deaths from | 53 |
| Legislation in force | 16, 17 |
| Local Government Act, 1929 | 20 |
| Maternal Mortality | 65 |
| Maternity and Child Welfare | 65—69 |
| Maternity Homes and Nursing Homes | 19 |
| Meat Inspection | 40—43 |
| Midwives | 15, 68 |
| Milk Supply, &c. | 38—40 |
| Mortality Rates | 7 |
| Mortality at Different Ages | 12 |
| Notification of Births Act | 65 |
| Nuisances and Notices | 27—29 |
| Ophthalmia Neonatorum | 50, 68 |
| Orthopaedic Treatment | 69 |
| Petroleum Acts | 31 |
| Pneumonia | 50 |
| Population, Estimated | 7, 8 |
| Professional Nursing in the Home | 15 |
| Puerperal Fever and Puerperal Pyrexia | 50 |
| Rag Flock Acts | 31 |
| Rainfall | 71 |
| Report of Borough Analyst | 44—46 |
| Sale of Food and Drugs Act | 44—46 |
| Sanitary Circumstances of the Area | 22—32 |
| Sanitary Inspection of Area | 27, 28 |
| Scarlet Fever | 49 |
| Scavenging | 27 |
| Schools, Sanitary Conveniences at | 27 |
| Smallpox | 47 |
| Smoke Abatement | 30 |
| Staff of the Health Department | 4 |
| Statistics for whole district, 1925-1930 | 14 |

| | PAGE |
|--|------------|
| Statistics, General, for 1930... | 7 |
| Summary of Work of the Health Visitors | 70 |
| Summary of Visits of the Sanitary Inspectors | 27, 28 |
| Supply of Food and Milk, Maternity and Child Welfare | 67 |
| Tuberculosis | 55—60 |
| Tuberculosis Schemes | 56, 57 |
| Uncertified deaths | 10 |
| Vaccination | 47, 48 |
| Venereal Diseases | 61—64 |
| Vital Statistics | 8, 14 |
| Ward Distribution of Infectious Diseases | 52 |
| Water Supply | 22 |
| Zymotic Disease Death Rate | 47 |