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County Borough of Stockport.



ANNUAL REPORT

OF THE


Medical Officer of Health,

1913.

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ANNUAL REPORT

ON THE

HEALTH

OF THE

County Borough of Stockport,

FOR THE YEAR, 1913.

BY

HERBERT E. CORBIN,

B.Sc., D.P.H., M.R.C.S., L.R.C.P.,

MEDICAL OFFICER OF HEALTH.

Medical Superintendent, Corporation Hospitals,
Medical Officer, Education Committee.

STOCKPORT :

SWAIN & Co., LTD., GENERAL PRINTERS, KING STREET EAST,

8142

EXTRACT FROM THE ORDER OF THE LOCAL GOVERN-
MENT BOARD, 23rd MARCH, 1891.

RELATING TO THE DUTIES OF MEDICAL OFFICERS
OF HEALTH.

(14) He shall also make an annual report to the Sanitary Authority up to the end of December in each year, comprising a summary of the action taken, or which he has advised the Sanitary Authority to take, during the year for preventing the spread of disease, and an account of the sanitary state of his district generally at the end of the year. The report shall also contain an account of the inquiries which he has made as to the conditions injurious to health existing in the district, and of the proceedings in which he has taken part or advised under any statute, so far as such proceedings relate to those conditions; and also an account of the supervision exercised by him, or on his advice, for sanitary purposes over places and houses that the Sanitary Authority have power to regulate, with the nature and result of any proceedings, which may have been so required and taken in respect of the same during the year. The report shall also record the action taken by him, or on his advice, during the year, in regard to offensive trades, to dairies, cow-sheds, and milk shops, and to factories and workshops. The report shall also contain tabular statements (on forms to be supplied by us, or to the like effect) of the sickness and mortality within the district, classified according to diseases, ages, and localities

HEALTH COMMITTEE.

Chairman—ALDERMAN HENRY GEORGE SMEETH, M.D.

Vice-Chairman—COUNCILLOR CHARLES WALMSLEY.

THE MAYOR

(Thomas Kay, Esquire, J.P.)

ALDERMEN ALLCOCK, GREEN, AND SHARPLES; COUNCILLORS BAILEY,
BREWSTER, BROCKLEHURST, CHADWICK, NICHOLSON, NODEN, AND
WORTHINGTON.

MEETINGS—ALTERNATE MONDAYS AT 3-30 P.M.

HOSPITAL SUB-COMMITTEE.

Chairman—ALDERMAN HENRY GEORGE SMEETH, M.D.

ALDERMAN ALLCOCK; COUNCILLORS BAILEY, BREWSTER, WALMSLEY,
AND WORTHINGTON.

MEETINGS—SECOND WEDNESDAY IN EACH MONTH AT 3-30 P.M.

HOUSING COMMITTEE.

Chairman—ALDERMAN HENRY GEORGE SMEETH, M.D.

Vice-Chairman—COUNCILLOR JOHN COUPE.

THE MAYOR

(Thomas Kay, Esquire, J.P.)

ALDERMAN SHARPLES; COUNCILLORS W. H. HOLLIS, J.P., W. THOMAS,
AND J. WELSH.

MEETINGS—SECOND TUESDAY IN EACH MONTH AT 4 P.M.

HEALTH DEPARTMENT STAFF.

Food Inspector.....W. BUTLER.*

Factory and Workshop Inspector.....C. R. BILLINGHAM.

| | | |
|------------------------|---|---|
| District Inspectors | { |J. ASHTON.* |
| | | (Resigned March 8th).....R. WILSON.* |
| | | (Commenced March 31st).....H. PRICE.* |
| | | (Resigned August 9th).....E. E. WILLIS.* |
| | | (Commenced September 8th).....F. MILLS.* |
| | | (Resigned September 27th)....H. H. MARTINDALE.* |
| | | (Commenced September 29th)....P. N. BLOMFIELD.* |
| | | (Commenced November 9th, trans- ferred from the late Heaton Norris Urban District on inclusion of this District with Stockport)....G. PILKINGTON.* |

| | | |
|----------------------------|---|---------------------------|
| Female Sanitary Inspectors | { |MRS. M. E. FORSTER.* |
| | |MISS K. M. JONES.* |
| | |MISS E. B. SWAN.* |

* Those marked with an asterisk have obtained the Certificate of the Royal Sanitary Institute.

| | | |
|--------|---|-------------------|
| Clerks | { |H. BAILEY. |
| | |G. W. YATES. |

Office Boy.....J. R. GILL.

Ambulance Attendant.....G. WEBB.

| | | |
|-------------|---|---|
| Disinfector | { | (Deceased August 9th, 1913).....J. RAYNER. |
| | | (Commenced January 14th, 1913).....J. WEBB. |

| | | |
|----------------------|---|---------------------|
| Shops Act Inspectors | { |E. FIRTH.. |
| | |E. A. HAMBLET. |

HOUSING DEPARTMENT.

Inspector.....J. R. BATES.

HERBERT E. CORBIN, B.Sc., D.P.H., M.R.C.S., L.R.C.P.,

Medical Officer of Health.

**To the Worshipful the Mayor, Aldermen, and Councillors
of the County Borough of Stockport.**

Mr. Mayor and Gentlemen,

I have the honour to submit herewith the Annual Report on the health and sanitary circumstances of the County Borough of Stockport for the year 1913.

By the Stockport Borough Extension Order of 1913 the Urban District of Heaton Norris was incorporated into the Borough of Stockport, adding an area of 1,619 acres and a population of 11,680 people. As the Order became operative on the 9th of November, and therefore the district was only included within the Borough for 53 days of the 365 the Health Report for the district for the whole of the year 1913, prepared by Dr. Taggart who was the Medical Officer of Health prior to the incorporation of the district, and by the Sanitary Inspector, has been published separately at the end of this report, in order to avoid the obvious complication of statistics that would otherwise have arisen.

The birth-rate during the year was 23.17 per thousand, shewing an increase of .42 per thousand over that of the previous year, which was the lowest rate on record.

The death-rate of 16.64 is very satisfactory, being lower than any previous death-rate with the exception of that of 1912. Although circumstances favourable to a high death-rate during the summer months caused a rather high infant mortality of 146, and a zymotic death-rate of 1.85, the fact that the general death-rate is low indicates that a steady advance is being made in general health and sanitation.

Slightly more than one out of every twelve deaths which occurred in the borough during the year was caused by pulmonary tuberculosis, the death-rate being 1.41 per thousand of the population. It is hoped that this is the last occasion upon which such a high figure will be recorded now that a scheme under the National Insurance Act of 1911 has been finally adopted for the treatment of this disease.

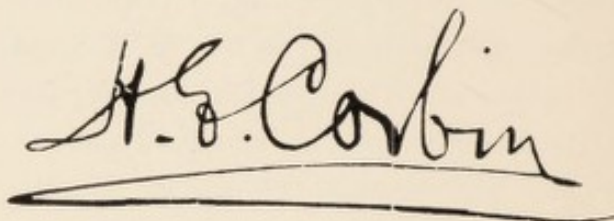
There has been no epidemic prevalence of the notifiable infectious diseases during the year, although the prevalence of measles necessitated the closure of several of the infants' departments of the schools.

A large amount of valuable work has been carried out during the year by the Housing Committee. This can only reflect beneficially on the general health of the community ; and a detailed statement of this work is given in the report.

I report with pleasure the good work which has been carried out by the staff of your Health Department during the year, and I have to thank the Council and the various Committees for the consideration which I have received.

I have the honour to be,

Your obedient servant,

A handwritten signature in dark ink, reading "H. G. Corbin". The signature is written in a cursive style with a large, sweeping "C" and a long horizontal flourish underneath the name.

Public Health Department,

Town Hall,

Stockport.

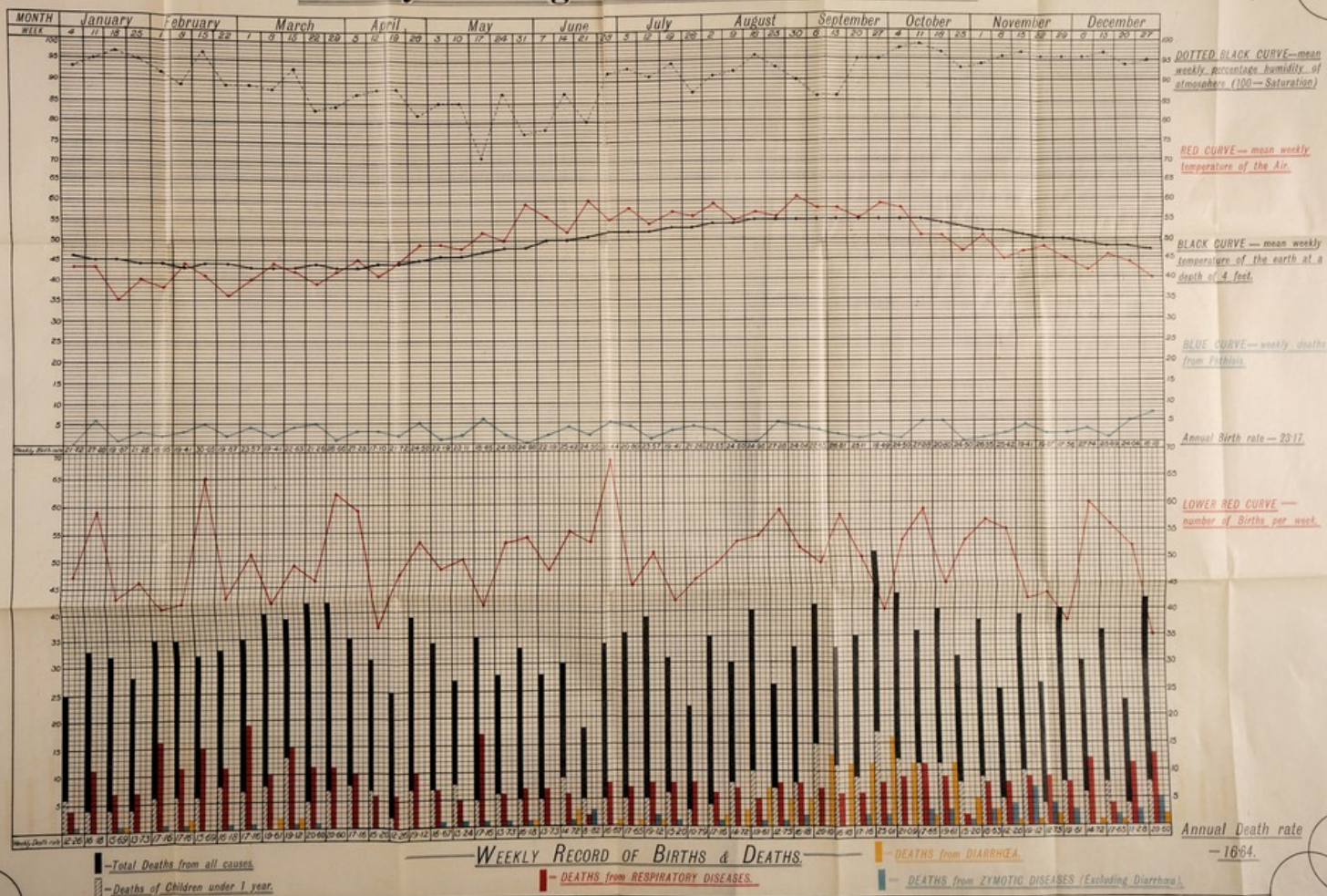
26th May, 1914.

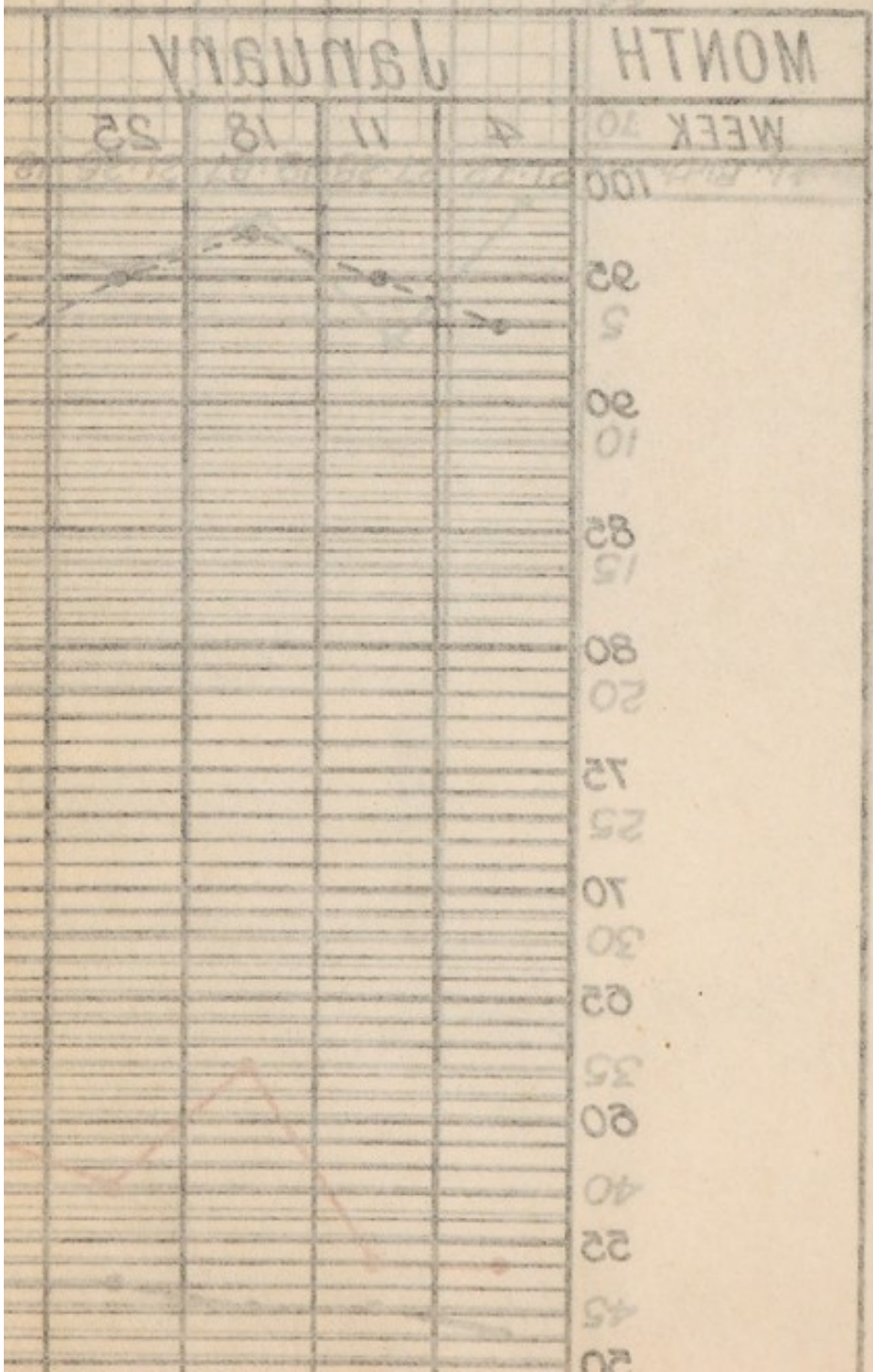
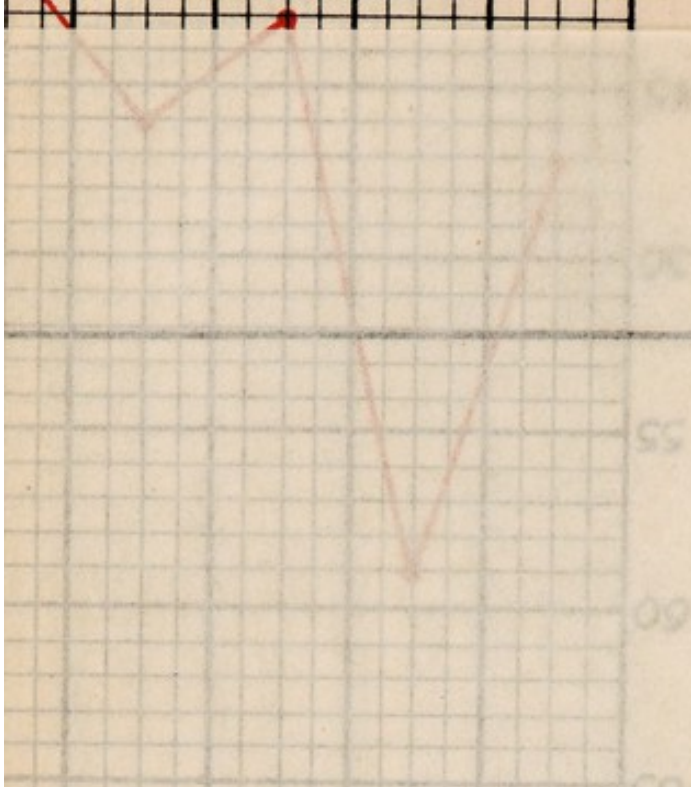
PART 1.

Statistical.



County Borough of Stockport - 1913.





County Borough of Stockport, 1913.

Statistical Memoranda.

| | Stockport. | England and Wales. | 96 Great Towns. | 145 Smaller Towns. | England & Wales less the 241 Towns. |
|--|------------|--------------------------|-----------------------|--------------------------|---|
| Estimated Population. Mid-year, 1913 | 112,480 | — | — | — | — |
| Area in Acres | 5,485 | — | — | — | — |
| Birth Rate per 1,000 | 23.17 | 23.9 | 25.1 | 23.9 | 22.3 |
| General Death Rate, per 1,000 | 16.64 | 13.4 | 14.7 | 13.0 | 12.1 |
| Deaths of Infants under One Year, per 1,000 Births. | 145.8 | 109 | 117 | 112 | 96 |
| Death Rate from Seven Principal Zymotic Diseases | 1.85 | — | — | — | — |
| Death Rate from Phthisis (Pulmonary Consumption) | 1.41 | — | — | — | — |
| Death Rate from all other Tubercular Diseases .. | 0.55 | — | — | — | — |

In the graphic chart forming the frontispiece of the Report weekly records of deaths and births can be seen at a glance, together with those of deaths from certain special causes. The average weekly temperature and relative humidity is also given. Thus at a glance many useful facts may be seen in this chart which has been carefully prepared by Inspector Butler.

Physical Features.

The rivers Goyt and Tame unite at Tiviot Dale to form the river Mersey, and the borough is situated on both the Lancashire and Cheshire sides of this river.

GEOLOGY.—The solid rocks of the district are Permian Sandstone, Permian Marl, and Pebble Beds, with Coal Measures underlying glacial drift. The Heaton Norris portion of the borough largely consists of sand and gravel overlying boulder clay, with pebble beds of the new red sandstone subjacent. Portwood, between the rivers Tame and Goyt, consists of a considerable depth of alluvium overlying the solid Permian Sandstone. The remainder of the district may perhaps be roughly divided into two halves by a line passing from the junction of Lancashire Hill and Sandy Lane to the junction of Cherry Tree Lane and Wellington Road South. The portion of the borough lying to the east of this line has for solid rock mainly Permian Sandstone, whilst that lying to the west of it has Trias Sandstone for foundation. Forming as it were the boundary line between these two geological formations is a layer of Permian Marl, which extends in a strip on an average one-sixth of a mile in width between the two points named. Other strips of the same formation, though of slightly less width, run parallel with the above through various portions of the borough. (See Annual Report for 1900, page 7.)

WATER SUPPLY.

LYME PARK, DISLEY.—The 1861 Act authorised construction of three reservoirs in Lyme Park, Disley. The gathering ground contains 1350 acres.

The Horse Coppice Reservoir, the first to be constructed, has a capacity of 73,000,000 gallons, and a top-water level of 667 feet above O.D.

The Bollinhurst Reservoir, situated immediately above Horse Coppice Reservoir, has a capacity of 85,000,000 gallons, and a top water level of 730 feet above O.D. The third reservoir was not constructed. As the riparian owners were compensated in money, no compensation water is given to the streams. The average rainfall for the past eighteen years is 32.74 inches, which gives a supply of 1,300,000 gallons per day. The water is filtered through sand filters before being delivered to consumers. The top water level of the filtered water tank is 452 feet above O.D. The water from these reservoirs contains from 4.5 to 5.5 degrees of hardness, about one-half of which is permanent.

WILMSLOW.—Two boreholes: 1st, 400 feet deep, 9 inches diameter; 2nd, 403 feet 10 inches deep, 18 $\frac{3}{4}$ inches diameter, for a depth of 132 feet, 9 inches and 14 inches diameter, for the remainder of the depth. The supply of water is from the New Red Sandstone, and before softening contains about 14 degrees of hardness. This is reduced to 7.6 degrees before being distributed. The station was designed to supply 750,000 gallons of water per day.

A third borehole has recently been completed. These works were closed on 7th May, 1912.

MANCHESTER CORPORATION.—By three agreements a total quantity of about 1,500,000 gallons per day is available from the Manchester Corporation Longdendale works.

KINDER.—By Act of Parliament, 1901, powers were obtained to construct reservoirs and other works in the Kinder, Sett, and Hollingworth valleys. The Kinder reservoir has been constructed, and has a capacity of about 515,500,000 gallons, and a top water level of 917 feet above O.D. The water is taken from the river Kinder and is filtered through mechanical filters before being used. The drainage area is 2130 acres in extent, and about 2,500,000 gallons per day is available after the compensation water has been given to the stream. The reservoir is formed on the Yoredale shales and grits. The gathering ground is for the most part open moorland, and produces an exceedingly pure water.

Population.

The population of the Borough, estimated to the middle of the year 1913, was 112,480. After November this population was increased to 124,160 by the addition of the late Heaton Norris Urban District. All the statistics for the Borough and for the Added Urban District, however, are kept separate to avoid unnecessary complication.

The Census returns for 1911 relating to age distribution and occupations and industries were published during the year; and as these figures are valuable in calculation of certain special statistics a summary is here given :—

AGE AND SEX DISTRIBUTION OF POPULATION

| ACTUAL AGES OF POPULATION AT CENSUS UP TO 20 YEARS. | | | ALL AGES GROUPED INTO QUINQUENNIAL PERIODS. | | |
|--|---------------|-----------------|--|---------------|-----------------|
| <i>Ages.</i> | <i>Males.</i> | <i>Females.</i> | <i>Ages.</i> | <i>Males.</i> | <i>Females.</i> |
| Under 1 year.... | 1185 | 1101 | Under 5 years.. | 5816 | 5515 |
| 1..... | 1106 | 1043 | 5 and under 10 | 5088 | 5359 |
| 2..... | 1172 | 1160 | 10 " 15 | 5120 | 5269 |
| 3..... | 1108 | 1100 | 15 " 20 | 4744 | 5410 |
| 4..... | 1047 | 1111 | 20 " 25 | 4389 | 5121 |
| 5..... | 980 | 1077 | 25 " 30 | 4328 | 5220 |
| 6..... | 1041 | 1004 | 30 " 35 | 4382 | 5014 |
| 7..... | 1043 | 1188 | 35 " 40 | 3900 | 4514 |
| 8..... | 1009 | 1048 | 40 " 45 | 3370 | 3826 |
| 9..... | 1015 | 1042 | 45 " 50 | 2857 | 3240 |
| 10..... | 1072 | 1054 | 50 " 55 | 2267 | 2710 |
| 11..... | 1019 | 999 | 55 " 60 | 1751 | 2160 |
| 12..... | 1000 | 1073 | 60 " 65 | 1303 | 1629 |
| 13..... | 1017 | 1071 | 65 " 70 | 883 | 1196 |
| 14..... | 1012 | 1072 | 70 " 75 | 543 | 918 |
| 15..... | 953 | 1064 | 75 " 80 | 251 | 440 |
| 16..... | 980 | 1125 | 80 " 85 | 93 | 167 |
| 17..... | 903 | 1043 | 85 " 90 | 21 | 51 |
| 18..... | 991 | 1135 | 90 " 95 | 3 | 10 |
| 19..... | 917 | 1043 | 95 " 100 | 1 | 1 |
| 20..... | 833 | 1022 | 100 years and upwards | — | — |

ALL AGES :—50,912 Males, 57,770 Females.

Many interesting facts may be gathered from this table. Three main age-groups may be separated, viz. :—

Under 5 years of age (below school-age)..... 11,133

5 and under 14 years of age (school-age)..... 18,752

Over 14 years of age..... 78,797

The large preponderance of females over males (nearly 7000) is seen by reference to the quinquennial groups to exist at every age from 5 years upwards.

The proportions per thousand of each sex, aged 20 years and upwards (unmarried, married, and widowed), at the Census are as follows, together with a comparison of the figures for England and Wales :—

| | MALES . | | | FEMALES . | | |
|--------------------------|--------------------|-----------------|----------------|--------------------|-----------------|-----------------|
| | <i>Un-Married.</i> | <i>Married.</i> | <i>Widowed</i> | <i>Un-Married.</i> | <i>Married.</i> | <i>Widowed.</i> |
| STOCKPORT..... | 260 | 678 | 62 | 289 | 580 | 131 |
| ENGLAND AND WALES.... | 307 | 633 | 60 | 302 | 579 | 119 |

It is interesting that Stockport shews one of the lowest proportions of unmarried males in County Boroughs throughout the country, viz., 260 per thousand, the lowest being Leicester with 252. This is probably associated with the excess of females at marriageable ages in the Borough.

| Total Males. | Occupations of Males and Females aged 10 years and upwards. | Total Females. | | |
|--|--|-----------------|----------|----------|
| | | Un- Married. | Married. | Widowed. |
| 40206 | TOTAL OCCUPIED AND UNOCCUPIED..... | 21107 | 21056 | 4733 |
| 5493 | RETIRED OR UNOCCUPIED (ORDER XXIII)... | 6630 | 16271 | 3229 |
| 34713 | ENGAGED IN OCCUPATIONS (ORDERS I-XXII) | 14477 | 4785 | 1504 |
| I. GENERAL OR LOCAL GOVERNMENT OF THE COUNTRY. | | | | |
| 216 | 1. National Government..... | 29 | 5 | 2 |
| 323 | 2. Local Government. | 98 | 9 | 7 |
| II. DEFENCE OF THE COUNTRY. | | | | |
| 20 | 1. Army (at Home)..... | — | — | — |
| 4 | 2. Navy and Marines (Ashore and in Port). | — | — | — |
| III. PROFESSIONAL OCCUPATIONS AND THEIR SUBORDINATE SERVICES. | | | | |
| 1. Clerical : | | | | |
| 60 | Clergymen, Priests, Ministers..... | — | — | — |
| 27 | Others..... | 8 | 2 | 1 |
| 2. Legal : | | | | |
| 36 | Barristers, Solicitors..... | — | — | — |
| 85 | Law Clerks..... | 3 | — | — |
| 3. Medical : | | | | |
| 50 | Physicians, Surgeons, Registered Practi- tioners..... | 2 | — | — |
| 1 | Midwives, Sick Nurses, Invalid Attendants | 60 | 37 | 35 |
| 53 | Others..... | 1 | 2 | 7 |
| 135 | 4. Teaching..... | 392 | 12 | 7 |
| 47 | 5. Literary, Scientific, and Political..... | 5 | 1 | — |
| 20 | 6. Engineers and Surveyors..... | — | — | — |
| 271 | 7. and 8. Art, Music, Drama, etc..... | 59 | 18 | 6 |
| IV. DOMESTIC OFFICES OR SERVICES. | | | | |
| 1. Domestic Indoor Service : | | | | |
| 2 | In Hotels, Lodging, and Eating Houses.. | 10 | 3 | 3 |
| 9 | Other Domestic Indoor Servants..... | 1416 | 75 | 137 |
| 202 | 2. Domestic Outdoor Service..... | — | — | — |

| <i>Total Males.</i> | <i>Occupations of Males and Females aged 10 years and upwards.</i> | <i>Total Females.</i> | | |
|---------------------|--|-----------------------|-----------------|-----------------|
| | | <i>Un-Married.</i> | <i>Married.</i> | <i>Widowed.</i> |
| | 3. Other Service : | | | |
| 12 | Hospital, Institution, and Benevolent Society Service..... | 42 | 5 | 9 |
| — | Day Girls, Day Servants..... | 9 | 3 | 1 |
| — | Charwomen..... | 96 | 166 | 231 |
| 34 | Laundry Workers, Washers, Ironers, Manglers, etc..... | 174 | 69 | 65 |
| 250 | Others..... | 21 | 40 | 19 |
| | V. COMMERCIAL OCCUPATIONS. | | | |
| 598 | 1. Merchants, Agents, and Accountants.... | 4 | 3 | — |
| 1264 | 2. Commercial or Business Clerks..... | 211 | 2 | — |
| 486 | 3. and 4. Dealers in Money ; Insurance.... | 12 | 2 | 2 |
| | VI. CONVEYANCE OF MEN, GOODS, AND MESSAGES. | | | |
| 1946 | 1. On Railways..... | 13 | — | 3 |
| | 2. On Roads : | | | |
| 71 | Coachmen (not Domestic) ; Cabmen..... | — | — | — |
| 75 | Horsekeepers, Grooms, Stablemen (not Domestic)..... | — | — | — |
| 39 | Motor Car Drivers (not Domestic) ; Motor Cab, Motor Van, etc., Drivers.. | — | — | — |
| 1154 | Carmen, Carriers, Carters, Wagoners (not Farm)..... | — | — | 1 |
| 18 | Van, etc., Guards, Boys..... | — | — | — |
| 223 | Others..... | 7 | 2 | 4 |
| 23 | 3. On Seas, Rivers, and Canals..... | 1 | — | — |
| 4 | 4. In Docks, Harbours, etc..... | — | — | — |
| | 5. In Storage, Portage, and Messages : | | | |
| 516 | Messengers, Porters, Watchmen (not Railway or Government)..... | 7 | — | — |
| 147 | Others..... | 25 | — | — |
| | VII. AGRICULTURE (ON FARMS, WOODS, AND GARDENS.) | | | |
| 299 | Farmers, Graziers, Farm Workers..... | 8 | 1 | 4 |
| 194 | Gardeners (not Domestic), Nurserymen, Seedsmen..... | — | 1 | — |
| 4 | Others..... | — | — | — |

| <i>Total Males.</i> | <i>Occupations of Males and Females aged 10 years and upwards.</i> | <i>Total Females.</i> | | |
|-------------------------|---|-------------------------|-----------------|-----------------|
| | | <i>Un- Married.</i> | <i>Married.</i> | <i>Widowed.</i> |
| — | V II. FISHING..... | — | — | — |
| | IX. IN AND ABOUT AND WORKING AND DEALING IN THE PRODUCTS OF MINES AND QUARRIES. | | | |
| 170 | 1. Workers..... | — | — | — |
| 138 | 2. Dealers..... | 1 | 3 | 2 |
| | X. METALS, MACHINES, IMPLEMENTS, AND CONVEYANCES. | | | |
| 37 | 1. and 2. Iron, Steel, etc., Manufacture... | — | — | — |
| 572 | 3. General Engineering & Machine Making : Ironfounders..... | 14 | — | — |
| 214 | Blacksmiths, Strikers..... | — | — | — |
| 784 | Erectors, Fitters, Turners (including Labourers)..... | — | — | — |
| 1275 | Others..... | 29 | 5 | 2 |
| 207 | 4. Electrical Apparatus..... | 1 | — | — |
| 355 | 5-8. Tools ; Dies, etc. ; Arms ; Miscellaneous Metal Trades..... | 9 | 2 | 2 |
| 1 | 9. Ships and Boats..... | — | — | — |
| 103 | 10. Vehicles : Cycle and Motor Car Makers, Mechanics. | 1 | — | — |
| 188 | Others..... | 6 | — | 1 |
| 139 | 11. Dealers..... | 7 | 15 | 5 |
| | XI. PRECIOUS METALS, JEWELS, WATCHES, INSTRUMENTS, AND GAMES. | | | |
| 138 | 1. Workers..... | 8 | 1 | 1 |
| 36 | 2. Dealers..... | 10 | 3 | 2 |
| | XII. BUILDING AND WORKS OF CON- STRUCTION. | | | |
| | 1. House Building, etc. : | | | |
| 73 | Builders..... | — | — | 1 |
| 270 | Builders' Labourers..... | — | — | — |
| 567 | Carpenters, Joiners (including Labourers). | — | — | — |
| 605 | Bricklayers, Bricklayers' Labourers..... | — | — | — |

| <i>Total Males.</i> | <i>Occupations of Males and Females aged 10 years and upwards.</i> | <i>Total Females</i> | | |
|-------------------------|--|-------------------------|-----------------|-----------------|
| | | <i>Un- Married.</i> | <i>Married.</i> | <i>Widowed.</i> |
| 93 | Masons, Masons' Labourers..... | — | — | — |
| 584 | Painters, Decorators, Glaziers..... | — | — | — |
| 222 | Plumbers..... | — | — | — |
| 225 | Others..... | — | — | — |
| | 2. Other Works of Construction and Roads : | | | |
| 202 | Navvies, etc. ; Paviments, Road Labourers | — | — | — |
| 9 | Others..... | — | — | — |
| | XIII. WOOD, FURNITURE, FITTING , DECORATIONS. | | | |
| 128 | Cabinet Makers ; French Polishers ; Up- holster | 9 | 4 | 1 |
| 99 | Other Workers in Furniture, Fittings, &c.. | 6 | 4 | — |
| 261 | Workers in Wood and Bark..... | 3 | — | — |
| 90 | Dealers..... | 8 | 8 | 5 |
| | XIV. BRICK, CEMENT, POTTERY, AND GLASS. | | | |
| 162 | Workers..... | — | — | 1 |
| 13 | Dealers..... | 7 | 1 | 2 |
| | XV. CHEMICALS, OIL, GREASE, SOAP, RESIN, ETC. | | | |
| | 1. and 3. Colouring Matter : Drugs, Chemi- cals, &c. : | | | |
| 111 | Chemists, Druggists..... | 47 | 2 | — |
| 140 | Others..... | 134 | 1 | — |
| 1 | 2. Explosives and Matches..... | — | — | — |
| | 4. Oil, Grease, Soap, Resin, etc. : | | | |
| 82 | Workers..... | 17 | 5 | — |
| 28 | Dealers..... | — | — | — |
| | XVI. SKINS, LEATHER, HAIR, AND FEATHERS. | | | |
| 205 | 1. Skins and Leather..... | 116 | 21 | 5 |
| 26 | 2. Saddlery and Harness..... | — | — | — |

| Total Males. | Occupations of Males and Females aged 10 years and upwards. | Total Females. | | |
|---|--|----------------|----------|----------|
| | | Un-Married. | Married. | Widowed. |
| 56 | 3. Hair and Feathers..... | 15 | 7 | 4 |
| 19 | 4. Dealers in Skins, Leather, Hair, and Feathers..... | 1 | — | 1 |
| XVII. PAPER, PRINTS, BOOKS, AND STATIONERY. | | | | |
| 44 | Paper Box, Bagmakers, Stationery Manufacture..... | 146 | 20 | 2 |
| 480 | Printers, Lithographers..... | 127 | 5 | — |
| 39 | Bookbinders..... | 89 | — | — |
| 14 | Other Workers..... | 5 | — | 1 |
| 119 | Publishers, Booksellers, Stationers, News-agents, and other Dealers..... | 26 | 19 | 7 |
| XVIII. TEXTILE FABRICS. | | | | |
| 6169 | 1.-5. Textile Manufactures..... | 6880 | 2761 | 424 |
| 506 | *Cotton—Card and Blowing Room Processes..... | 1238 | 482 | 74 |
| 3160 | Spinning Processes..... | 1915 | 720 | 92 |
| 170 | Winding, Warping, etc., Processes..... | 1530 | 580 | 89 |
| 138 | Weaving Processes..... | 564 | 410 | 80 |
| 450 | Workers in other Processes..... | 64 | 23 | 10 |
| 468 | Workers Undefined..... | 125 | 21 | 3 |
| 145 | *Rope, Twine, Cord-Makers..... | 142 | 36 | 10 |
| 939 | *Thread Manufacture..... | 1090 | 411 | 51 |
| 1014 | 6. Bleaching, Printing, Dyeing, etc..... | 103 | 32 | 10 |
| 522 | 7. Dealers (Drapers and others)..... | 158 | 76 | 28 |
| XIX. DRESS. | | | | |
| 394 | Tailors..... | 328 | 74 | 28 |
| 5 | Milliners..... | 183 | 16 | 8 |
| 9 | Dressmakers..... | 486 | 68 | 39 |
| 23 | Shirt Makers, Seamstresses..... | 81 | 30 | 23 |
| 313 | Boot, Shoe, Slipper, Patten, Clog-Makers..... | 1 | 3 | — |
| 137 | Wig Makers, Hairdressers..... | — | 2 | 1 |
| 2865 | †Other Workers..... | 1252 | 287 | 65 |
| 201 | Dealers..... | 100 | 31 | 17 |

| <i>Total Males.</i> | <i>Occupations of Males and Females aged 10 years and upwards.</i> | <i>Total Females.</i> | | |
|---------------------|--|-----------------------|-----------------|-----------------|
| | | <i>Un-Married.</i> | <i>Married.</i> | <i>Widowed.</i> |
| | XX. FOOD, TOBACCO, DRINK, AND LODGING. | | | |
| | 1. Food : | | | |
| 86 | Milksellers, Dairymen..... | 14 | 20 | 4 |
| 351 | Butchers, Meat Salesmen..... | 14 | 32 | 5 |
| 155 | Bread, Biscuit, Cake, etc., etc.—Makers. | 38 | 5 | 1 |
| 160 | Bakers, Confectioners, (Dealers)..... | 194 | 120 | 42 |
| 614 | Grocers ; Tea, Coffee, Chocolate Dealers. | 87 | 101 | 36 |
| 347 | ‡Other Workers..... | 575 | 105 | 11 |
| 415 | Other Dealers..... | 80 | 136 | 53 |
| | 2. Tobacco : | | | |
| 49 | Tobacco Manufacture..... | 91 | — | — |
| 47 | Tobacconists..... | 14 | 19 | 2 |
| 70 | 3. Makers of Spirituous Drinks..... | — | — | — |
| | 4. Board, Lodging, and Dealing in Spirituous Drinks : | | | |
| 81 | Coffee, Eating, Lodging, Boarding-House Keepers..... | 33 | 69 | 36 |
| 238 | Inn, Hotel-Keepers ; Publicans, etc..... | 51 | 111 | 25 |
| 27 | Cellarmen ; Beer Bottlers..... | 3 | 1 | — |
| 65 | Barmen..... | 33 | 6 | 4 |
| 25 | Waiters (not Domestic)..... | 26 | 5 | 2 |
| 16 | Others in Inn, Hotel, Eating House, etc., Service..... | 15 | 5 | 2 |
| 6 | Wine and Spirit Merchants, Agents.... | — | — | — |
| | XXI. GAS, WATER, AND ELECTRICITY SUPPLY AND SANITARY SERVICE. | | | |
| 342 | 1. Gas, Water, Electricity..... | — | — | — |
| 118 | 2. Sanitary Service..... | — | — | — |
| | XXII. OTHER GENERAL AND UNDEFINED WORKERS AND DEALERS. | | | |
| 181 | General Shopkeepers, Dealers ; Pawn-brokers..... | 60 | 43 | 27 |
| 234 | Costermongers, Hawkers, Street Sellers.. | 10 | 35 | 17 |
| 38 | Newsboys, Vendors (Street or Undefined). | — | — | — |
| 667 | General Labourers..... | — | — | — |

| Total Males. | Occupations of Males and Females aged 10 years and upwards. | Total Females. | | |
|---|---|----------------|----------|----------|
| | | Un-Married. | Married. | Widowed. |
| 358 | Engine-Drivers, Stokers, Firemen (not Railway, Marine, or Agricultural).... | — | — | — |
| 129 | Others..... | 12 | 8 | 5 |
| XXIII. WITHOUT SPECIFIED OCCUPATIONS OR UNOCCUPIED. | | | | |
| 961 | Retired (not Army or Navy); Pensioners. | 97 | 21 | 153 |
| 62 | Private Means..... | 176 | 22 | 253 |
| 4470 | Others aged 10 years and upwards (including Scholars and Students)..... | 6357 | 16228 | 2823 |

* The figures for Cotton, Rope and Thread Manufacture, are comprised in the Totals given at the head for 1-5 Textile Manufactures; and constitute such of the Textile Manufactures as have been able to be classified.

† The figures include 2854 Male; and 1244 Unmarried, 277 Married and 63 Widowed Female, "Hat and Cap Makers (not Straw)."

‡ The figures include 116 Male; and 303 Unmarried, 66 Married, and 8 Widowed Female, "Jam, Preserve and Sweet Makers"; also 84 Male; and 257 Unmarried, 28 Married, and 2 Widowed Female, "Chocolate and Cocoa Makers."

From this table it will be seen that there are 34,713 males and 20,766 females engaged in occupations.

The percentage of males aged 10 years and upwards engaged in occupations is 86.34 in 1911, as compared with 86.56 at the Census of 1901; whereas the percentage of females at the same ages engaged in occupations is the same as at the previous Census, viz., 44.

The cotton operatives at the Census number 4892 males and 8020 females; 5436 of the latter being unmarried, 2236 married, and 348 widowed.

The number of persons engaged in hat and cap manufacture (not straw) was 2854 males and 1584 females. Of the females 1244 were unmarried, 277 married, and 63 widowed.

| <i>Name of Ward.</i> | <i>No. of houses built during 1913.</i> |
|----------------------|---|
| Lancashire Hill..... | — |
| Heaton Lane..... | 2 |
| Old Road..... | — |
| Portwood..... | — |
| St. Mary's..... | 2 |
| Vernon..... | 2 |
| Spring Bank..... | — |
| Hollywood..... | — |
| Edgeley..... | 153 |
| Shaw Heath..... | 14 |
| St. Thomas's..... | — |
| Hempshaw Lane..... | 4 |
| Cale Green..... | 10 |
| Heaviley..... | 108 |
| Reddish North..... | 23 |
| Reddish South..... | 15 |
| Total..... | 333 |

Based upon the estimate of the Registrar-General and upon the figures above quoted of the Borough Surveyor, an estimate has been made of the various Ward populations, and the figures are given herewith as showing the distribution of the population and the density of the various districts.

| <i>Ward.</i> | <i>Acre- age.</i> | <i>Estim- ated Popu- lation.</i> | <i>Per- sons per Acre.</i> | <i>Ward.</i> | <i>Acre- age.</i> | <i>Estim- ated Popu- lation.</i> | <i>Per- sons per Acre</i> |
|-----------------|-----------------------|--|--|----------------------|-----------------------|--|---------------------------------------|
| Lancashire Hill | 145 | 5530 | 38.14 | Edgeley | 331 | 10205 | 30.83 |
| Heaton Lane .. | 234 | 6250 | 26.71 | Shaw Heath .. | 392 | 10810 | 27.58 |
| Old Road | 114 | 6015 | 52.76 | St. Thomas's.. | 53 | 5220 | 98.49 |
| Portwood | 324 | 8000 | 24.69 | Hempshaw L'e | 146 | 5715 | 39.14 |
| St. Mary's..... | 91 | 3250 | 35.71 | Cale Green..... | 145 | 6660 | 45.93 |
| Vernon | 427 | 6310 | 14.77 | Heaviley | 1115 | 10785 | 9.67 |
| Spring Bank... | 81 | 4325 | 53.40 | Reddish North. | 786 | 9240 | 11.75 |
| Hollywood..... | 346 | 8745 | 25.27 | Reddish South | 755 | 5420 | 7.18 |
| | | | | <i>Whole Borough</i> | 5485 | 112,480 | 20.50 |

Growth of Stockport.

| Year. | Inhabited Houses. | Houses Vacant. Building. | | Population. | Total Increase. | Total Decrease. | Increase per cent. | Decrease per cent. |
|-------|-------------------|--------------------------|------|-------------|-----------------|-----------------|--------------------|--------------------|
| 1881 | 13007 | *†1558 | 74 | †59553 | 6552 | .. | 12.36 | .. |
| 1891 | 15573 | *†1216 | 100 | †70263 | 10710 | .. | 17.93 | .. |
| 1892 | .. | .. | ... | 71000 | 737 | .. | 1.04 | .. |
| 1893 | 16269 | *870 | 170 | 71930 | 930 | .. | 1.309 | .. |
| 1894 | 16397 | *804 | 150 | 72770 | 840 | .. | 1.16 | .. |
| 1895 | 16859 | *876 | 100 | 73620 | 850 | .. | 1.16 | .. |
| 1896 | 17190 | *890 | 120 | 74480 | 860 | . | 1.16 | .. |
| 1897 | 17693 | *613 | 197 | 75350 | 870 | .. | 1.16 | .. |
| 1898 | 17888 | *561 | .. | 76220 | 870 | .. | 1.15 | .. |
| 1899 | 18148 | *600 | 197 | 77100 | 880 | .. | 1.15 | .. |
| 1900 | 18320 | *697 | 220 | 78000 | 900 | .. | 1.16 | .. |
| 1901 | †17982 | *†753 | †71 | †78897 | 897 | .. | 1.15 | .. |
| 1902 | 21872 | *844 | 180 | †94422 | 15525 | .. | 19.67 | .. |
| 1903 | 22158 | *875 | 194 | 95709 | 1287 | .. | 1.36 | .. |
| 1904 | 22684 | *1007 | 205 | 97008 | 1299 | .. | 1.35 | .. |
| 1905 | 23056 | *1056 | 300 | 98320 | 1312 | .. | 1.35 | .. |
| 1906 | 23499 | *1167 | 285 | 99646 | 1326 | .. | 1.35 | .. |
| 1907 | 24051 | *1097 | 230 | 100986 | 1340 | .. | 1.34 | .. |
| 1908 | 24583 | *1013 | 260 | 102339 | 1353 | .. | 1.34 | .. |
| 1909 | 25142 | *833 | 280 | 103706 | 1367 | .. | 1.34 | .. |
| 1910 | 25256 | *1041 | 289 | 105087 | 1381 | .. | 1.33 | .. |
| 1911 | 25767 | *†1171 | †120 | †108693 | 3606 | .. | 3.43 | .. |
| 1912 | 26134 | *1173 | 190 | 110781 | 2088 | .. | 1.92 | .. |
| 1913 | 26912 | *494 | 154 | 112480 | 1699 | .. | 1.53 | .. |

† Census Return.

* Not including lock-up shops, factories, and warehouses unoccupied at night, which number at the present time 1130.

‡ Borough Extension.

Marriages.

The number of Marriages solemnised during 1913 was 886 or 31 less than in 1912, the marriage rate per 1,000 persons living being 15.7.

Of the 886 marriages during the year 515 were solemnised according to the rites of the Established Church, 87 under Roman Catholic rites, 3 at the Jewish Synagogue, 142 according to the rites of other religious denominations, and 139 at the Registrar's Office.

| <i>Year.</i> | <i>Number of Marriages.</i> | <i>Rate per 1000 Living.</i> | <i>Rate for England and Wales.</i> |
|--------------|-----------------------------|------------------------------|------------------------------------|
| 1894 | 615 | 16.9 | 15.0 |
| 1895 | 680 | 18.4 | 15.0 |
| 1896 | 585 | 15.7 | 15.7 |
| 1897 | 689 | 18.2 | 16.0 |
| 1898 | 706 | 18.5 | 16.2 |
| 1899 | 754 | 19.8 | 16.5 |
| 1900 | 753 | 19.3 | 16.0 |
| 1901 | 687 | 17.4 | 15.9 |
| 1902 | 808 | 17.1 | 15.9 |
| 1903 | 711 | 14.8 | 15.6 |
| 1904 | 811 | 16.7 | 15.3 |
| 1905 | 837 | 17.02 | 15.3 |
| 1906 | 902 | 18.1 | 15.7 |
| 1907 | 862 | 17.07 | 15.9 |
| 1908 | 779 | 15.2 | 15.1 |
| 1909 | 856 | 16.5 | 14.7 |
| 1910 | 931 | 17.7 | 15.0 |
| 1911 | 939 | 17.2 | 15.2 |
| 1912 | 917 | 16.5 | 15.5 |
| 1913 | 886 | 15.7 | 15.5 |

Births.

The number of births registered in the Borough during the year 1913 was 2606, comprising 1341 males and 1265 females. The birth-rate per thousand of the population was 23.17, which is a slightly higher figure than that for the previous year, viz., 22.75, the lowest rate on record.

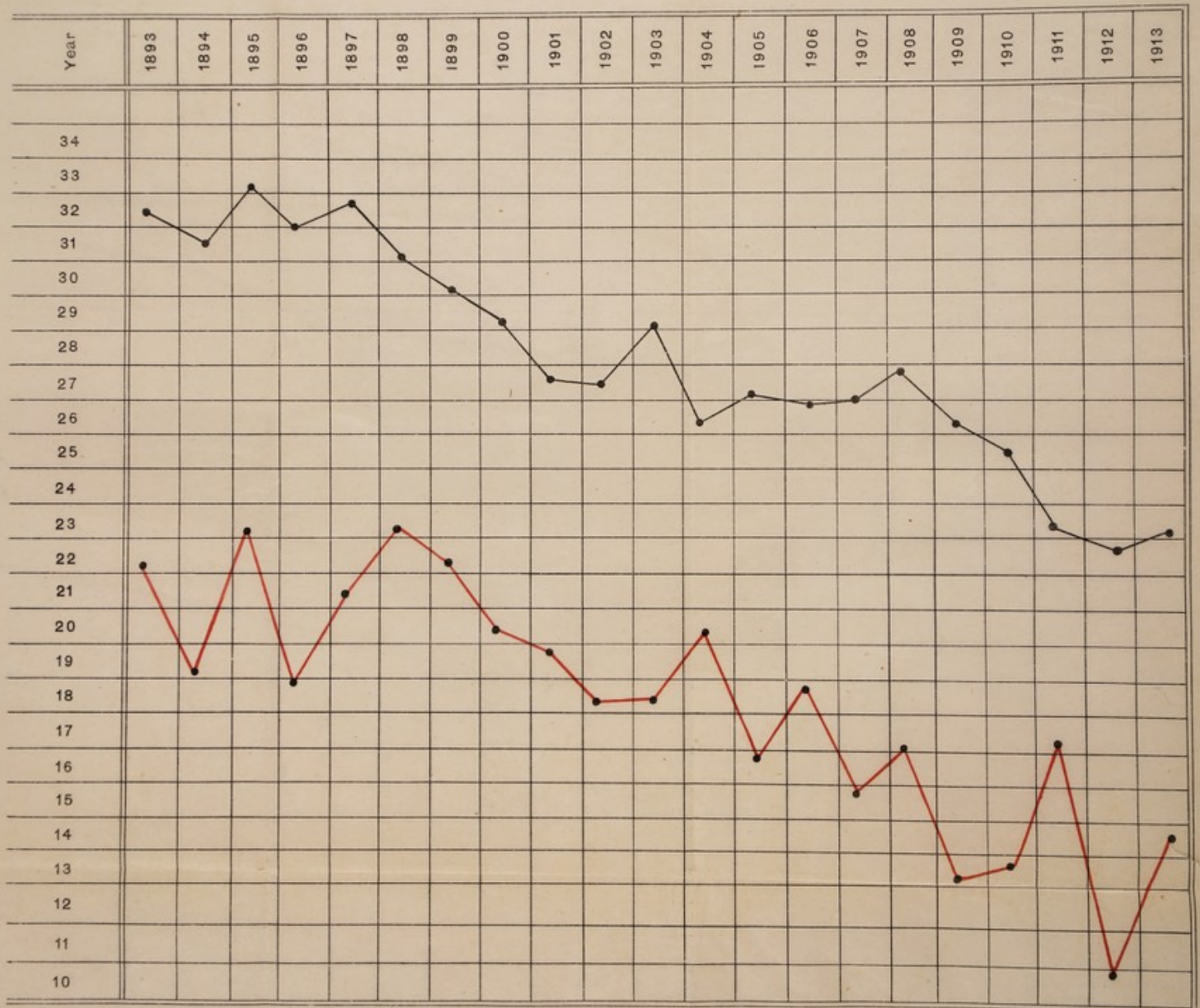
The birth-rate for the Borough follows very closely that for the whole country, and from the appended table and chart it will be seen that the rate has continuously declined. The highest birth-rate recorded in England and Wales was attained in 1876, viz., 36.3 per thousand living, and from that date to the present year there has been a fall of approximately one-third.

This serious decrease in the reproductive rate of the community is due in some measure to the greater average age of married women, but there is no doubt that a larger and more serious contributory factor is the deliberate restriction of child-bearing. It is also probable that the increasing employment of women, and the consequent increasing independence of the female upon the male population, at marriageable ages, will make itself more and more evident as a further causal factor in lowering the birth-rate of the country.

The ward having the highest birth-rate in the Borough is Reddish North with a rate of 29.11 per thousand, while the lowest rate again occurs in Cale Green Ward, viz., 16.82 per thousand.

COUNTY BOROUGH OF STOCKPORT.

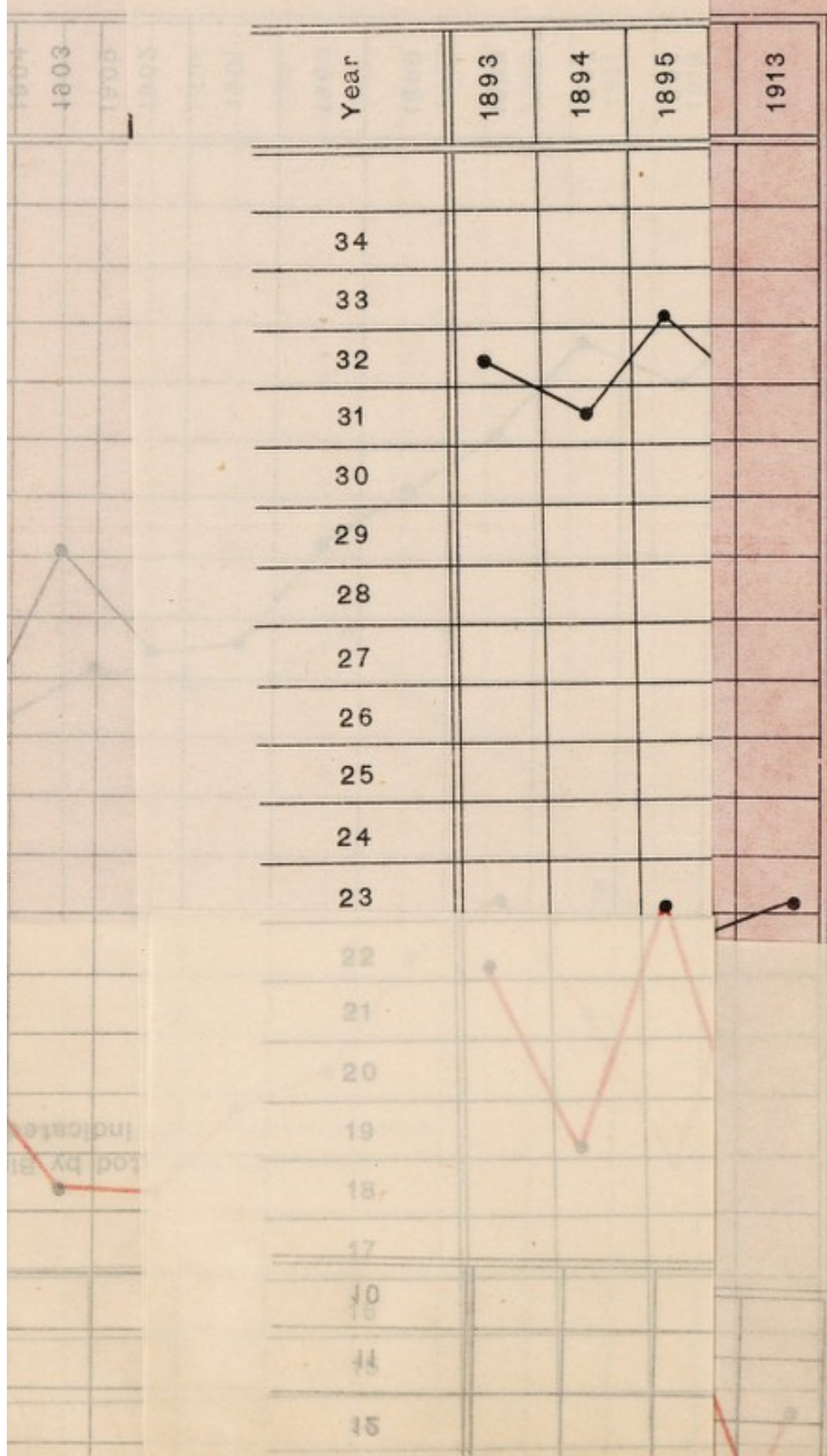
Chart showing the Annual Birth-rate per thousand of the population,
and the Infant Mortality Rate per cent. of Registered Births,
for the past 21 years (1893-1913).



Birth-rate indicated by Black Lines.
Infant Mortality Rate indicated by Red Lines.

COUNTY BOROUGH OFFICE

Graph showing the Annual Birth-rate per 1000 and the Infant Mortality Rate per 1000 for the past 21 years (1893-1913)



| <i>Year.</i> | <i>Birth Rate.</i> | <i>Nett Death Rate.</i> | <i>Zymotic Death Rate</i> | <i>Infant Mortality.</i> |
|--------------|--------------------|-----------------------------|-------------------------------|------------------------------|
| 1894 | 31.68 | 20.52 | 1.72 | 192 |
| 1895 | 33.36 | 27.44 | 4.86 | 231 |
| 1896 | 32.06 | 23.01 | 3.32 | 189 |
| 1897 | 32.82 | 24.73 | 5.49 | 214 |
| 1898 | 31.23 | 23.33 | 4.53 | 231 |
| 1899 | 30.28 | 23.41 | 4.86 | 221 |
| 1900 | 29.44 | 24.46 | 2.47 | 203 |
| 1901 | 27.70 | 21.20 | 3.28 | 197 |
| 1902 | 27.59 | 20.95 | 2.10 | 183 |
| 1903 | 29.25 | 20.08 | 2.52 | 184 |
| 1904 | 26.45 | 21.59 | 3.33 | 203 |
| 1905 | 27.13 | 18.22 | 2.20 | 168 |
| 1906 | 26.95 | 21.07 | 3.27 | 186 |
| 1907 | 27.03 | 19.02 | 1.76 | 158 |
| 1908 | 27.94 | 19.99 | 2.99 | 171 |
| 1909 | 26.33 | 17.96 | 1.73 | 132 |
| 1910 | 25.60 | 17.03 | 1.63 | 137 |
| 1911 | 23.33 | 17.38 | 2.73 | 172 |
| 1912 | 22.75 | 16.02 | 1.42 | 109 |
| 1913 | 23.17 | 16.64 | 1.85 | 146 |

The Nett and Zymotic Death-Rates have been corrected by multiplying the figures by the Registrar General's factor, 1.0610.

Illegitimacy.

During the year 1913, 94 illegitimate births have been registered belonging to the borough, 36.07 out of every thousand births being illegitimate.

The mortality among these children is again high, 170 out of every thousand dying before the end of the first year of life, as compared with 145 dying out of every thousand born in wedlock.

In the following table is shown the number of illegitimate births registered in the borough during the past fifteen years :—

| <i>Year.</i> | <i>No.</i> | <i>Year.</i> | <i>No.</i> |
|--------------|------------|--------------|------------|
| 1899..... | 90 | 1907..... | 81 |
| 1900..... | 125 | 1908..... | 112 |
| 1901..... | 61 | 1909..... | 103 |
| 1902..... | 57 | 1910..... | 102 |
| 1903..... | 105 | 1911..... | 99 |
| 1904..... | 103 | 1912..... | 91 |
| 1905..... | 100 | 1913..... | 94 |
| 1906..... | 78 | | |

| <i>Year.</i> | <i>Esti- mated popula- tion.</i> | <i>Births.</i> | | <i>Illegitimate Births.</i> | | <i>Total deaths under 1 year of age.</i> | <i>Infan- tile mor- tality per 1000 births.</i> | <i>Deaths of illegiti- mates under one year of age.</i> | <i>Illegitimate infantile mortality per 1000 illegitimate births.</i> |
|--------------|--|--------------------------|----------------------------|---------------------------------|----------------------------|--|---|---|---|
| | | <i>Legit- imate.</i> | <i>Illegit- imate.</i> | <i>to 1000 living.</i> | <i>to 1000 births.</i> | | | | |
| 1908 | 102339 | 2748 | 112 | 1.09 | 39.2 | 489 | 170.9 | 38 | 339.3 |
| 1909 | 103706 | 2628 | 103 | 0.99 | 37.7 | 362 | 132.5 | 20 | 194.2 |
| 1910 | 105087 | 2589 | 102 | 0.97 | 39.4 | 370 | 137.5 | 26 | 254.9 |
| 1911 | 109090 | 2446 | 99 | 0.91 | 38.9 | 438 | 172.1 | 30 | 303.0 |
| 1912 | 110781 | 2429 | 91 | 0.82 | 36.1 | 276 | 109.5 | 12 | 131.8 |
| 1913 | 112480 | 2512 | 94 | 0.84 | 36.07 | 380 | 145.8 | 16 | 170.2 |

Still Births.

One hundred and thirty-six still births occurred within the borough. This number is obtained from the registers of the various burial grounds. Of this number 133 were notified to the Health Department by midwives as occurring within their practice, in accordance with the rule of the Central Midwives' Board.

Deaths.

During the year 1913, 1765 deaths were recorded for the Borough, viz., 908 males and 857 females. The total number of deaths registered was 1795 ; from this number 95 deaths, which occurred in the Borough of persons belonging to districts outside, have to be deducted, and 65 deaths of persons resident in Stockport, but who died in other districts, have to be added, in order to arrive at the above nett deaths recorded for the Borough.

The death-rate per thousand of the population corrected for age and sex distribution was 16.64, being only slightly higher than that of last year, viz., 16.02, which was the lowest rate recorded for the Borough.

The extremely low rate for 1912 was accounted for to some extent by climatic conditions, which were unfavourable to the development of epidemic diarrhoea and other zymotic diseases, but the fact that in the year under review the conditions of temperature and rainfall were favourable to this disease during the summer months, gives more justification in attributing the low general death rate to improved conditions of hygiene and sanitation, which is the object of your Health Department to promote.

The decreasing tendency of the death-rate is seen in the following table, which gives the average rate for a series of quinquennial periods from 1880, and for purposes of comparison the average rate for the last four years :—

| | |
|-------------------------|-------|
| 1880-1884..... | 27.05 |
| 1885-1889..... | 27.81 |
| 1890-1894..... | 25.79 |
| 1895-1899..... | 24.38 |
| 1900-1904..... | 21.64 |
| 1905-1909..... | 19.25 |
| Four years : 1910-1913. | 16.77 |

The infant mortality and the zymotic death-rate, which were both higher than in the previous year, account for the increase in the general death-rate.

In the following table are shewn the deaths which occurred within the district of persons not belonging thereto :—

| <i>Where from.</i> | DIED IN. | | | |
|---------------------------|--------------------------------|------------------|-------------------|-------------------|
| | <i>Workhouse Hospital.</i> | <i>Workhouse</i> | <i>Infirmary.</i> | <i>Elsewhere.</i> |
| Hyde..... | 24 | 5 | 1 | — |
| Manchester..... | 2 | — | 1 | 1 |
| Longsight..... | — | — | — | 1 |
| Gorton..... | — | — | 1 | — |
| Levenshulme..... | — | — | — | 1 |
| Didsbury..... | 1 | — | — | — |
| Denton..... | 1 | — | 1 | — |
| Hazel Grove..... | 1 | 2 | — | — |
| Disley..... | — | — | 1 | — |
| Bredbury..... | 3 | — | 2 | — |
| Woodley..... | 4 | — | 1 | — |
| Romiley..... | 2 | 1 | 1 | — |
| Cheadle..... | 5 | 1 | — | — |
| Cheadle Hulme..... | 2 | — | — | — |
| Gatley..... | 1 | — | — | — |
| Heaton Chapel..... | 2 | — | 1 | 1 |
| Marple..... | 1 | — | 1 | — |
| Poynton..... | — | — | 2 | — |
| Compstall..... | 3 | 1 | — | — |
| New Mills..... | — | — | 2 | — |
| Birch Vale..... | — | — | 1 | — |
| Bollington..... | — | — | 1 | — |
| Chinley..... | — | — | 1 | — |
| Wilmslow..... | — | — | 2 | — |
| Glossop..... | 1 | — | — | — |
| Dukinfield..... | 1 | — | — | — |
| Northwich..... | 1 | — | — | — |
| Nantwich..... | 1 | — | — | — |
| Saltley..... | — | — | — | 1 |
| Southport..... | — | — | — | 1 |
| Uttoxeter..... | 1 | — | — | — |
| Leeds..... | 1 | — | — | — |
| Newcastle-under-Lyne..... | 1 | — | — | — |
| Totals..... | 59 | 10 | 20 | 6 |

In the following table are shewn the deaths which occurred without the district of persons belonging thereto :—

| | |
|--|----|
| Manchester (Royal Infirmary)..... | 15 |
| „ (St. Mary's Hospital)..... | 1 |
| „ (Christie Hospital)..... | 1 |
| „ (Ear Hospital)..... | 1 |
| „ (Ancoats Hospital)..... | 1 |
| „ (23, York Place)..... | 1 |
| „ (Manchester Main Drainage, Grange Street)..... | 1 |
| „ (3, Lorne Street, Levenshulme)..... | 1 |
| Heaton Norris Urban District (Northern Counties Hospital for Incurables)..... | 1 |
| „ „ (Annie Walthew Nursing Home)..... | 2 |
| „ „ (River Mersey, Heaton Mersey)..... | 1 |
| Hazel Grove and Bramhall Urban District (12, Commercial Road, Hazel Grove)..... | 1 |
| „ „ „ (on Railway, near Hazel Grove Station)..... | 1 |
| Bredbury and Romiley Urban District (Peak Forest Canal, Romiley)..... | 1 |
| „ „ „ (River Goyt)..... | 1 |
| Swinton and Pendlebury Urban District (Children's Hospital, Pendle- bury)..... | 2 |
| Irlam Urban District (Parkington Steel and Iron Works)..... | 1 |
| Prestwich Urban District (The Annexe, Lunatic Asylum)..... | 1 |
| Atherton Urban District (Leigh Union Infirmary)..... | 1 |
| Macclesfield Urban District (Parkside Asylum)..... | 18 |
| Wilmslow Urban District (Davenport Green Post Office, Wilmslow)..... | 1 |
| Repton Urban District (County Asylum, Mickleover)..... | 1 |
| Bournemouth Urban District (Herbert Home)..... | 1 |
| Colwyn Bay and Colwyn Urban District ("Kelowna," Llannerch Road, Llandrills yu Rhos)..... | 1 |
| Warrington Rural District (County Asylum, Winwick)..... | 2 |
| Preston Rural District (County Asylum, Whittingham)..... | 3 |
| Bucklow Rural District (in brook running through Meadows known as the Carrs, Gatley Old Farm, Northern Etchells)..... | 1 |
| Hemsworth Rural District (43, Carlton Street, South Kirkby)..... | 1 |
| Easthampstead Rural District (Broadmoor Asylum, Crowthorne).... | 1 |

Deaths in Institutions.

In the various public institutions in Stockport 318 persons belonging to the town have died during the year. These deaths have been distributed to the Wards in which the persons were normally resident, as shewn in the following table :—

| Ward. | DIED IN. | | | |
|-----------------------|---------------------|-------------|------------|---------------------|
| | Workhouse Hospital. | Work-house. | Infirmary. | Isolation Hospital. |
| Lancashire Hill | 12 | 3 | 1 | 3 |
| Heaton Lane | 19 | 2 | 2 | 2 |
| Old Road | 9 | 1 | 2 | .. |
| Portwood | 29 | 2 | 5 | 1 |
| St. Mary's | 23 | 3 | 2 | .. |
| Vernon | 15 | 1 | 2 | 2 |
| Spring Bank | 28 | 3 | 3 | .. |
| Hollywood | 19 | 2 | 3 | .. |
| Edgeley | 9 | 1 | 3 | 1 |
| Shaw Heath | 21 | 2 | 3 | 2 |
| St. Thomas's | 23 | 1 | 1 | .. |
| Hempshaw Lane | 19 | 4 | 3 | .. |
| Cale Green | 1 | 3 | .. | .. |
| Heaviley | 7 | 1 | .. | .. |
| Reddish North | 1 | 2 | 4 | 1 |
| Reddish South | 4 | .. | 2 | .. |
| Totals | 239 | 31 | 36 | 12 |

COMPARATIVE MORTALITY DURING LAST DECENNIUM.

Herein are set out the principal causes of death in the Borough for the past ten years.

| Cause of Death. | Number of Deaths. | | | | | | | | | |
|---|-------------------|------|------|------|------|------|------|------|------|------|
| | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
| <i>Seven Chief Zymotics</i> .. | 300 | 201 | 302 | 165 | 284 | 167 | 159 | 275 | 149 | 197 |
| Smallpox | 14 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Scarlet Fever | 21 | 7 | 3 | 13 | 14 | 14 | 2 | 4 | 5 | 1 |
| Diphtheria | 15 | 7 | 8 | 17 | 14 | 22 | 15 | 9 | 17 | 14 |
| " Fevers "— Typhoid and Continued .. | 11 | 9 | 9 | 8 | 7 | 7 | 3 | 10 | 5 | 10 |
| Measles | 65 | 18 | 70 | 20 | 65 | 38 | 41 | 34 | 52 | 31 |
| Whooping Cough | 8 | 32 | 35 | 47 | 31 | 21 | 36 | 10 | 37 | 13 |
| Diarrhoea | 166 | 128 | 177 | 60 | 153 | 65 | 62 | 208 | 33 | 128 |
| Influenza | 11 | 9 | 12 | 13 | 20 | 16 | 9 | 7 | 9 | 19 |
| Lung Diseases (including Phthisis) | 506 | 425 | 485 | 525 | 488 | 505 | 450 | 437 | 487 | 466 |
| Heart Disease | 222 | 197 | 233 | 234 | 243 | 220 | 225 | 226 | 270 | 266 |
| Injury | 35 | 31 | 38 | 38 | 41 | 28 | 20 | 41 | 58 | 48 |

Stockport = 1913

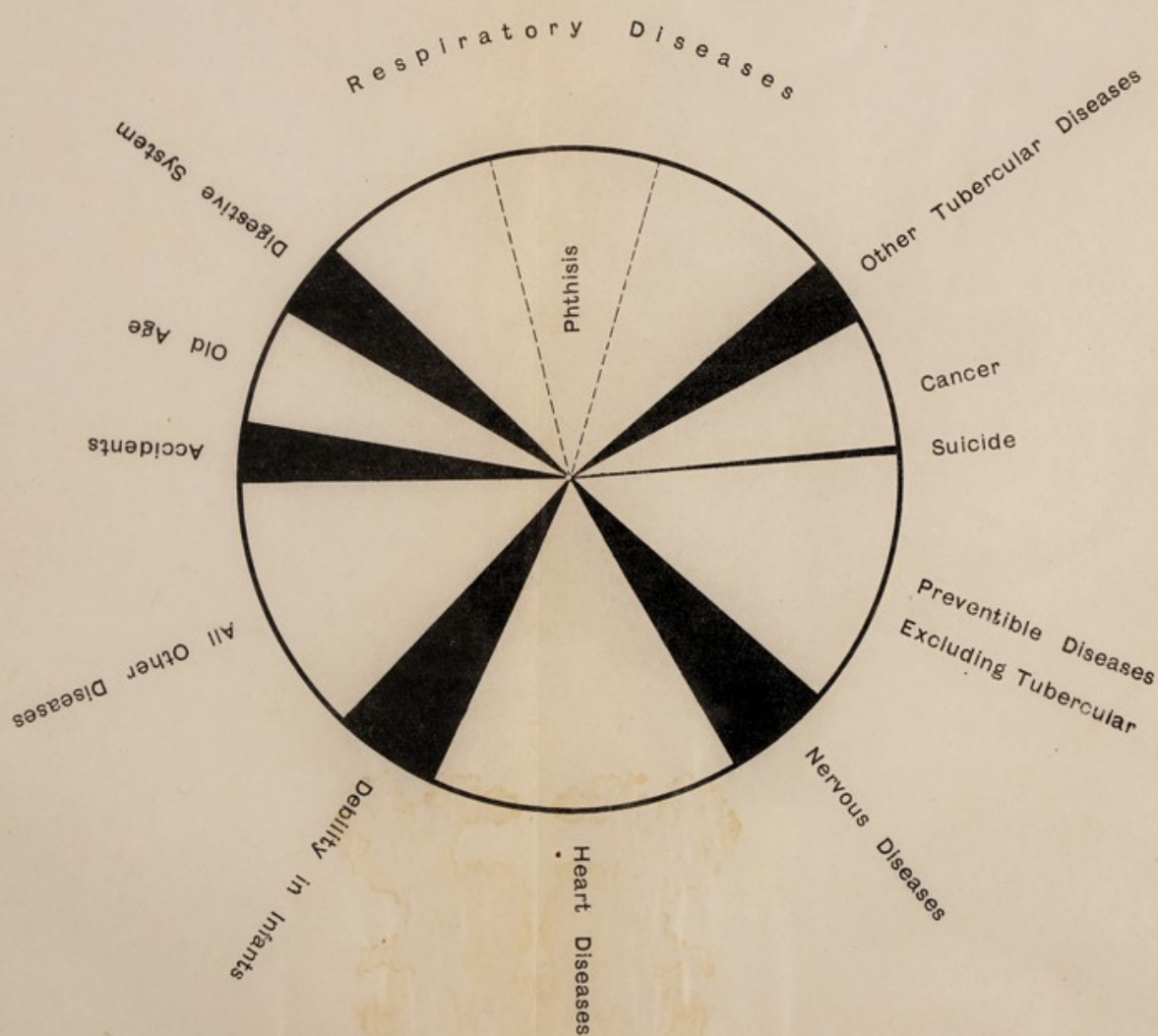


Diagram showing Chief Causes of Death.

Stock

Respiratory

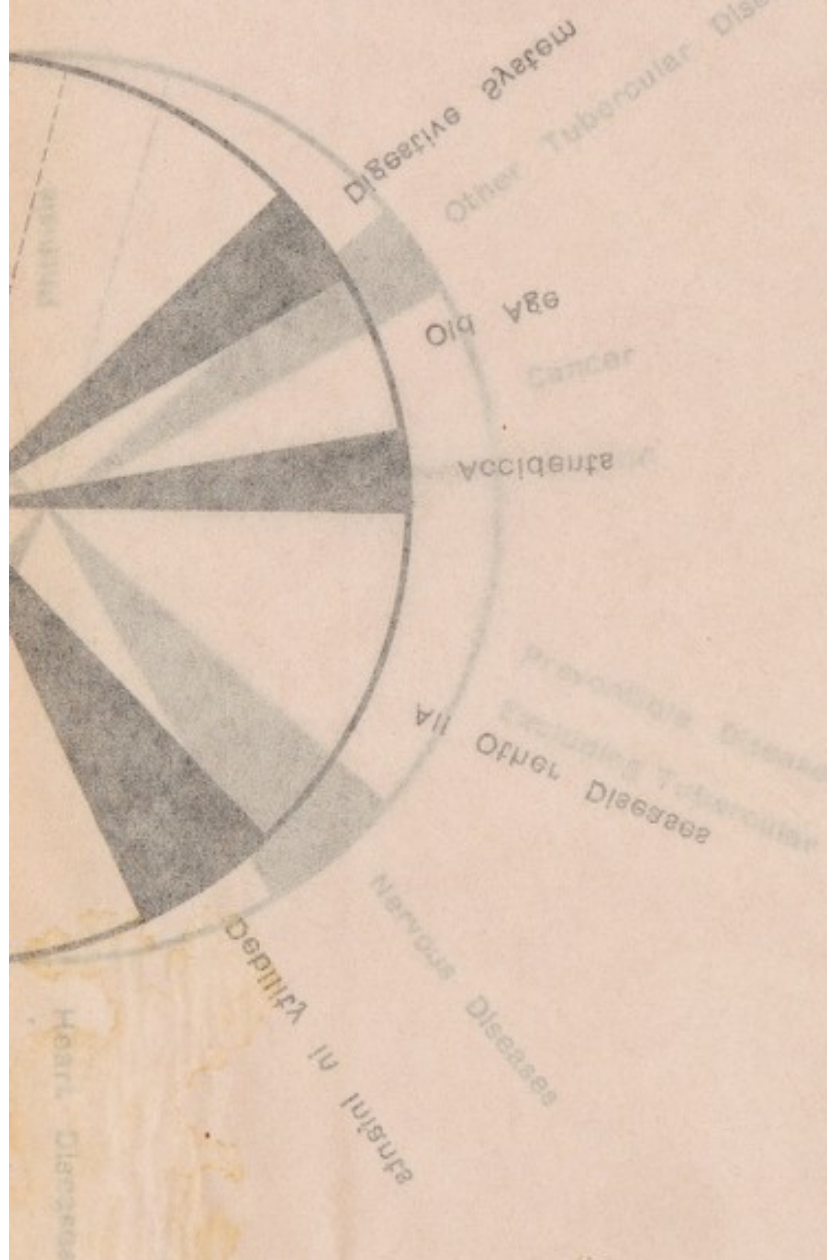


Diagram showing

SUMMARY OF THE VITAL AND MORTAL STATISTICS OF THE BOROUGH AND EACH OF ITS WARDS FOR THE YEAR 1913.

| WARD. | Acreage. | Estimated Population. | Persons per acre. | No. of Births registered. | Birth rate. | Nett deaths *. | Nett Death rate. | No. of de'ths under 1 year of age *. | Infant mortality rate per 1000 births. | No. of de'ths from 7 Principal Zymotic diseases†. | Zymotic Death rate per 1000. | Zymotic death rate per 1000 (excluding Diarrhoea). | No. of de'ths from Diarrhoea. | Death rate from Diarrhoea per 1000. | No. of de'ths from Pthi-sis. | Death rate from Pthi-sis per 1000. | No. of de'ths from other Tub-er-cular di-seases *. | Death rate from other Tub-er-cular diseases per 1000. | No. of de'ths from Other Lung Dis-eases *. | Death rate from Other Lung Diseases per 1000. |
|---------------------|----------|-----------------------|-------------------|---------------------------|-------------|------------------------|------------------|--------------------------------------|--|---|------------------------------|--|-------------------------------|-------------------------------------|------------------------------|------------------------------------|--|---|--|---|
| LANCASHIRE HILL ... | 145 | 5,530 | 38.14 | M. 58 F. 63 121 | 21.88 | 101 | 19.37 | 23 | 190.1 | 19 | 3.64 | 0.95 | 14 | 2.68 | 10 | 1.91 | 3 | 0.57 | 14 | 2.68 |
| HEATON LANE ... | 234 | 6,250 | 26.71 | 84 81 165 | 26.40 | 108 | 18.33 | 19 | 115.2 | 15 | 2.54 | 1.86 | 4 | 0.67 | 10 | 1.69 | 3 | 0.50 | 20 | 3.39 |
| OLD ROAD ... | 114 | 6,015 | 52.76 | 69 65 134 | 22.27 | 86 | 15.16 | 22 | 164.2 | 11 | 1.93 | 0.52 | 8 | 1.41 | 5 | 0.88 | 2 | 0.35 | 16 | 2.82 |
| PORTWOOD ... | 324 | 8,000 | 24.69 | 97 100 197 | 24.62 | 176 | 23.34 | 50 | 253.8 | 33 | 4.37 | 1.32 | 23 | 3.05 | 13 | 1.72 | 5 | 0.66 | 36 | 4.77 |
| ST. MARY'S ... | 91 | 3,250 | 35.71 | 41 31 72 | 22.15 | 73 | 23.83 | 8 | 111.1 | 4 | 1.31 | 0.32 | 3 | 0.97 | 8 | 2.61 | 2 | 0.65 | 17 | 5.54 |
| VERNON ... | 427 | 6,310 | 14.77 | 85 79 164 | 26.00 | 104 | 17.48 | 24 | 146.3 | 19 | 3.19 | 1.34 | 11 | 1.84 | 11 | 1.84 | 6 | 1.00 | 22 | 3.69 |
| SPRING BANK ... | 81 | 4,325 | 53.40 | 45 57 102 | 23.58 | 106 | 26.00 | 25 | 245.1 | 17 | 4.16 | 1.22 | 12 | 2.94 | 7 | 1.71 | 6 | 1.47 | 11 | 2.69 |
| HOLLYWOOD... | 346 | 8,745 | 25.27 | 107 109 216 | 24.70 | 134 | 16.25 | 39 | 180.6 | 16 | 1.94 | 0.36 | 13 | 1.57 | 12 | 1.45 | 4 | 0.48 | 21 | 2.54 |
| EDGELEY ... | 331 | 10,205 | 30.83 | 98 88 186 | 18.23 | 128 | 13.30 | 17 | 91.4 | 7 | 0.72 | 0.31 | 4 | 0.41 | 9 | 0.93 | 2 | 0.20 | 23 | 2.39 |
| SHAW HEATH ... | 392 | 10,810 | 27.58 | 130 112 242 | 22.39 | 134 | 13.15 | 31 | 128.1 | 11 | 1.07 | 0.68 | 4 | 0.39 | 11 | 1.07 | 2 | 0.19 | 20 | 1.96 |
| ST. THOMAS'S ... | 53 | 5,220 | 98.49 | 89 62 151 | 28.93 | 107 | 21.75 | 26 | 172.2 | 8 | 1.62 | 0.20 | 7 | 1.42 | 7 | 1.42 | 2 | 0.40 | 26 | 5.28 |
| HEMPSHAW LANE ... | 146 | 5,715 | 39.14 | 59 69 128 | 22.39 | 98 | 18.19 | 21 | 164.1 | 5 | 0.92 | 0.18 | 4 | 0.74 | 6 | 1.11 | 5 | 0.92 | 20 | 3.71 |
| CALE GREEN ... | 145 | 6,660 | 45.93 | 54 58 112 | 16.82 | 87 | 13.85 | 9 | 80.4 | 1 | 0.15 | ... | 1 | 0.15 | 9 | 1.43 | 1 | 0.15 | 14 | 2.28 |
| HEAVILEY ... | 1115 | 10,785 | 9.67 | 94 114 208 | 19.28 | 118 | 11.60 | 21 | 101.0 | 4 | 0.39 | 0.09 | 3 | 0.29 | 12 | 1.17 | 4 | 0.39 | 22 | 2.17 |
| REDDISH NORTH... | 786 | 9,240 | 11.75 | 150 119 269 | 29.11 | 118 | 13.54 | 23 | 85.5 | 9 | 1.02 | 0.80 | 2 | 0.22 | 12 | 1.37 | 8 | 0.91 | 22 | 2.51 |
| REDDISH SOUTH... | 755 | 5,420 | 7.18 | 81 58 139 | 25.64 | 87 | 17.02 | 22 | 158.3 | 18 | 3.52 | 0.58 | 15 | 2.93 | 8 | 1.56 | 3 | 0.58 | 13 | 2.34 |
| STOCKPORT BOROUGH | 5485 | 112480 | 20.50 | 1341 1265 2606 | 23.17 | M 908 F 857 1765 | 16.64 | M 216 F 164 380 | 145.8 | M 110 F 87 197 | 1.85 | 0.65 | M 69 F 59 128 | 1.20 | M 78 F 72 150 | 1.41 | M 30 F 28 50 | 0.55 | M 132 F 127 316 | 2.98 |

* Deaths of Stockport residents in the Union Hospital, Union Workhouse, Infirmary, and Isolation Hospital are here referred to the Wards in which they lived. Deaths within the Borough of Non-residents from out-townships are excluded. (See following table.)

† The "Seven Principal Zymotic Diseases" are Smallpox, Measles, Scarlet Fever, Diphtheria and Membranous Croup, Whooping Cough, Fever (typhus, typhoid, and continued), and Diarrhoea.

§ Registrar General's estimate.

TABLE SHOWING SUMMARY OF VITAL AND MORTAL
STATISTICS FOR THE BOROUGH.

| | No. of Deaths. |
|---|-------------------|
| Lung Diseases (excluding Phth sis)..... | 316 |
| Phthisis..... | 150 |
| Other Tubercular Diseases..... | 58 |
| Preventible Diseases (excluding Tubercular Diseases)..... | 227 |
| Diseases of Circulatory System (Heart, &c.)..... | 266 |
| „ Nervous System..... | 91 |
| „ Digestive System..... | 67 |
| Debility and Wasting, etc., in Infants..... | 91 |
| Old Age..... | 109 |
| Cancer..... | 114 |
| Accidents..... | 48 |
| Suicides..... | 5 |
| All other Diseases..... | 223 |

These deaths are in the main graphically represented in the circular chart accompanying the report.

UNCERTIFIED DEATHS AND INQUESTS.

During the year there were 121 deaths registered in the Borough in which the cause of death was not certified by any medical practitioner. In 119 of these cases an inquest was held, and the verdicts found by the Coroner's juries may be summarised as follows :—

1.—NATURAL CAUSES :—

| | | | |
|------------------------------|----|----------------------------|---|
| Heart Failure (Syncope)..... | 8 | Cancer..... | 1 |
| Heart Disease..... | 13 | Septic Poisoning..... | 1 |
| Diarrhœa..... | 1 | Alcoholism..... | 4 |
| Premature Birth..... | 1 | Tubercular Meningitis..... | 1 |
| Inanition..... | 3 | Consumption..... | 3 |
| Convulsions..... | 6 | Bronchitis..... | 6 |
| Cerebral Hæmorrhage..... | 1 | Pneumonia..... | 3 |
| Strangulated Hernia..... | 1 | Other Natural Causes..... | 7 |
| Peritonitis..... | 4 | | |

2.—BY ACCIDENT OR NEGLIGENCE :—

| | | | |
|---------------------------|----|----------------------------|---|
| In Vehicular Traffic..... | 3 | Fractures..... | 8 |
| On Railway..... | 2 | Shock..... | 3 |
| Burns and Scalds..... | 11 | Suffocation..... | 3 |
| Falls from a Height..... | 4 | Suffocation, Overlain..... | 3 |
| Other Injuries..... | 6 | Drowning..... | 6 |

3.—SUICIDE :—

| | | | |
|------------------|---|---------------------|---|
| By Poison..... | 2 | By Shooting..... | 1 |
| By Drowning..... | 1 | By Cut or Stab..... | 2 |

Deaths in Cellar Dwellings.

| <i>Date of Death</i> | <i>Where Died.</i> | <i>Age.</i> | <i>Sex.</i> | <i>Occupation.</i> | <i>Cause of Death.</i> |
|----------------------|--|-------------|-------------|----------------------------------|---|
| 1913. | | | | | |
| May 9 | (Union Hospital) of cellar under 74, Hempshaw Lane. | 70 | M. | Cotton operative (See year 1912) | Dilatation of Heart. |
| August 4 | (Union Hospital) of cellar under 4, Marple Street. | 77 | F. | .. | Chronic Bronchitis, Cardiac Degeneration. |
| Sept. 5 | Cellar under 32, Newbridge Lane.. | 76 | M. | Innkeeper. | Acute Bronchitis, Senility, Syncope |
| 1912. | | | | | |
| May 15 | (Union Hospital) of cellar under 74, Hempshaw Lane. | 54 | M. | Bricksetter's Labourer. | Bronchitis, Cardiac Dropsy. |
| 1911. | | | | | |
| August 3 | (Union Hospital) of cellar under .. 32, Union Street | 68 | F. | (See year 1913) | Broncho pneumonia |
| 1910. | | | | | |
| January 13 | (Union Hospital) of cellar under 10, Rosemary Lane | 62 | M. | Hatter | Cerebral hæmorrhage. |
| " 21 | Cellar under 3, Brook Street West . | 62 | M. | Picture frame maker | Heart failure (inquest). |
| " 27 | (Union Hospital) of cellar under 49, Union Street | 62 | F. | — | Bronchitis, dilatation of heart. |
| February 28 | (Union Hospital) of cellar under 50, Union Street | 61 | M. | Insurance agent | Carcinoma of stomach. |
| March 3 | Cellar under 63, Gt. Portwood St... | 66 | M. | Cotton weaver | Senility. |
| " 8 | " 22, Newbridge Lane .. | 62 | F. | (See year 1902) | Heart disease (inquest). |
| Sept. 14 | " 22. " | 11 mos. | M. | " | Marasmus (illegitimate). |
| 1909. | | | | | |
| January 13 | (Union Hospital) of Cellar under 22, Union Street.. | 73 | F. | .. | Chronic Bronchitis. |
| August 14 | Cellar under 2, Marple Street | 49 | M. | Labourer. | Acute Peritonitis. |

| <i>Date of Death.</i> | <i>Where Died.</i> | <i>Age.</i> | <i>Sex.</i> | <i>Occupation.</i> | <i>Cause of Death.</i> |
|-----------------------|--|-------------|-------------|---|---|
| 1908 | | | | | |
| April 29 | Cellar under 103, Old Road | 75 | F. | .. | Ulceration of Stomach, Hæmorrhage. |
| June 10 | Cellar under 7, Garnett Street .. | 50 | F. | .. | Syncope (Inquest). |
| October 25 | (Infirmary) of Cellar under 11, Union Street. | 47 | F. | .. | Suicide by poisoning (Inquest). |
| Dec. 27 | Cellar under 28, Union Street | 3 | M. | .. | Spasmodic Croup. |
| 1906. | | | | | |
| Sept. 26 | „ 26, Union Street .. | 75 | F. | (See year 1903) | Senile decay, Diarrhœa |
| January 23 | „ 9, Chatham Street . | 67 | M. | Gardener | Chronic Bronchitis. |
| Feb. 11 | „ 3, Union Street | 67 | M. | Army Pensioner. | Heart Failure. |
| June 7 | „ 105, Old Road | 38 | F. | .. | Parturition, Post Partum, and Hæmorrhage. |
| 1903. | | | | | |
| January 9 | „ 30, Union Street ... | 66 | M. | Collier (See year 1895). (2 deaths) | } Bronchitis, Cardiac Failure. |
| Feb. 24 | „ 85, Old Road | 62 | F. | Reeler in Cotton Mill | |
| May 10 | „ 127, Old Road | 70 | F. | .. | } Found dead, Natural Causes, accel- erated by want of care and time- ly medical attention (Inquest). |
| „ 26 | „ 85, Old Road | 69 | F. | .. | |
| August 31 | „ 26, Union Street ... | 7m'ths | F. | (See year 1906) | Natural Causes, Bronchitis (Inquest) |
| Dec. 15 | „ 21, Bamford Street .. | 59 | F. | .. | Bronchitis, Asthma |
| | | | | | Epidemic Diarrhœa |
| | | | | | Cardiac Dropsy |

| <i>Date of Death.</i> | <i>Where Died.</i> | <i>Age.</i> | <i>Sex.</i> | <i>Occupation.</i> | <i>Cause of Death.</i> |
|-----------------------|--------------------------------------|-------------|-------------|--------------------|---|
| 1902. January 6 | Cellar under 9, Angel Street | 55 | F. | .. | Apoplexy. |
| October 2 | " 13, Bamford Street .. | 77 | F. | .. | Senility. |
| 1902. Nov. 6 | " 22, Newbridge Lane . 2 m'nths | | M. | (See year 1910) | Bronchitis, Exhaustion. |
| Dec. 3 | " 49, Bamford Street .. | 69 | F. | .. | Apoplexy. |
| 1901. May 23 | " 28, Newbridge Lane . 4 weeks | | F. | (See year 1900) | Natural Causes, probably Convulsions (Inquest). |
| August 21 | " 55, Union Street ... 5 m'nths | | M. | .. | Marasmus. |
| Nov. 15 | " 12, Union Street ... 10 m'ths | | F. | .. | Premature Birth. |
| 1900. Feb. 9 | " 141, Old Road 3 days | | M. | .. | Inanition. |
| April 4 | " 28, Newbridge Lane . 4 days | | M. | (See year 1901) | Convulsions (Inquest). |
| " 23 | " 26, Crowther Street . 2 m'nths | | M. | .. | Bronchitis (Illegitimate). |
| June 12 | " 25, Old Road 5 m'nths | | F. | .. | Ac. Bronchitis. |
| 1899. August 13 | " 150, Hesketh Street . 73 | | M. | Gen. Labourer | Senile Decay. |
| " 22 | " 22, Brewery Street .. 7 m'nths | | M. | .. | Starvation (Inquest), Illegitimate. |
| October 12 | " 4, Wesley Street 14 m'ths | | F. | (See year 1895) | Bronchitis (Illegitimate). |

| <i>Date of Death.</i> | <i>Where Died.</i> | <i>Age.</i> | <i>Sex.</i> | <i>Occupation.</i> | <i>Cause of Death.</i> |
|-----------------------|-------------------------------------|-------------|-------------|--------------------|---|
| 1898. August 29 | Cellar under 18, Brewery Street .. | 8 m'nths | F. | .. | Teething-Bronchitis. |
| 1897. March 19 | " 1, Adcroft Street ... | 76 | M. | Hawker | Syncope following Bronchitis (Inquest). |
| April 2 | " 55, Lancashire Hill .. | 65 | M. | Scavenger | Gastric Catarrh. |
| " 29 | " 40, Union Street | 1 | F. | .. | Dentition and Convulsions. |
| August 19 | " 29, Union Street | 3 m'nths | M. | .. | Marasmus, Convulsions. |
| 1896. Jan. 3 | In a cellar at Christy's Mill | 62 | M. | Carter | Natural Causes (Inquest). |
| April 8 | Cellar under 145, Old Road | 81 | M. | Army Pensioner | Senile Decay. |
| " 25 | " 10, Hart Street | 5 | M. | .. | Whooping Cough. |
| Sept. 28 | " 15, Union Street | 60 | F. | Hat trimmer | Bronchitis. |
| Nov. 22 | " 4, Hart Street | 5 weeks | F. | .. | Bronchitis and Inflammation (Inquest). |
| 1895. January 29 | " 3, Angel Street | 6 m'nths | M. | .. | Bronchitis (Illegitimate). |
| April 15 | " 12, Old Gardens St. . | 4 m'nths | M. | .. | Tabes Mesenterica, Exhaustion. |
| " 20 | " 30, Union Street | 5 m'nths | F. | (See year 1903) | Marasmus. |
| June 26 | " 4, Wesley Street | 6 m'nths | M. | (See year 1899) | Inanition from Birth (Illegitimate). |
| August 8 | " 61, Lancashire Hill .. | 67 | M. | Mill Operative | Right Hemiplegia, Cerebral Hæmorrhage. |
| October 18 | " 30 Union Street | 35 | F. | (See year 1903) | Morbus Cordis. |

Table I.—LOCAL GOVERNMENT BOARD RETURN.

Vital Statistics of whole District during 1913, and previous years.—Name of District, STOCKPORT.

| YEAR. | Population estimated to Middle of each Year. | BIRTHS. | | TOTAL DEATHS REGISTERED IN THE DISTRICT. | | TRANSFERABLE DEATHS. | | NETT DEATHS BELONGING TO THE DISTRICT. | | | | |
|-------|--|----------------------|---------|--|---------|----------------------|--|--|----------------------|----------------------------|--------------|--------|
| | | Un-corrected Number. | Nett. | | Number. | Rate.* | of Non-residents registered in the District. | of Residents not registered in the District. | Under 1 Year of Age. | | At all Ages. | |
| | | | Number. | Rate.* | | | | | Number. | Rate per 1000 Nett Births. | Number. | Rate.* |
| | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1908 | 102,339 | 2860 | — | 27.94 | 1921 | 20.27 | 68 | 41 | 489 | 171 | 1894 | 19.99 |
| 1909 | 103,706 | 2731 | — | 26.33 | 1758 | 18.31 | 80 | 47 | 362 | 132 | 1725 | 17.96 |
| 1910 | 105,087 | 2691 | — | 25.60 | 1693 | 17.40 | 76 | 41 | 370 | 137 | 1658 | 17.03 |
| 1911 | 109,090 | 2551 | 2545 | 23.33 | 1782 | 17.64 | 92 | 65 | 438 | 172 | 1755 | 17.38 |
| 1912 | 110,781 | 2525 | 2520 | 22.75 | 1699 | 16.27 | 97 | 71 | 276 | 109 | 1673 | 16.02 |
| 1913 | 112,480 | 2612 | 2606 | 23.17 | 1795 | 16.93 | 95 | 65 | 380 | 146 | 1765 | 16.64 |

Total population at all ages, 108,693; Number of inhabited houses, 25,469; Average number of persons per house, 4.27; at Census of 1911. Area of District in acres (land and inland water), 5485.

* Rates in Columns 5, 7, and 13 calculated per 1,000 of estimated population.

NOTE.—The whole of the above Death Rates (in columns 7 and 13) have been corrected by multiplying the figures by the Registrar General's factor, 1.0610

Mortality in different Wards.

The CORRECTED GENERAL DEATH-RATE for the Borough as a whole was 16.64 per thousand of the estimated population, and varied from 11.6 in Heaviley Ward to 26.0 in Spring Bank Ward. Shaw Heath, Edgeley, Reddish North, Cale Green, and Old Road Wards had also low death-rates, viz., 13.15, 13.3, 13.54, 13.85, and 15.16 respectively; while the death-rates were high in St. Mary's, Portwood, and St. Thomas's Wards, viz., 23.83, 23.34, and 21.75 respectively.

The ZYMOTIC DEATH-RATE was 1.85 for the whole Borough, as compared with 1.42 in 1912 (the lowest recorded rate), and 2.73 in 1911. This rate is calculated on the number of deaths from the following diseases:—Smallpox, measles, scarlet fever, diphtheria and membranous croup, whooping cough, typhoid fever and diarrhoea; and of the 197 deaths ascribed to these diseases 128 were due to diarrhoea, and 44 to measles and whooping cough, leaving only 25 to be accounted for by the other infections.

The lowest zymotic death-rate occurred in Cale Green Ward where only one death was scheduled under this category; whilst in Portwood there were 33 deaths from zymotic disease, giving the high rate of 4.37. In Heaviley, Edgeley and Hemphshaw Lane Wards the death-rate from this cause was in each case less than 1 per thousand of the population.

PHTHISIS DEATH-RATE.—The death-rate from pulmonary tuberculosis, or consumption of the lungs, for the whole Borough was 1.41 per thousand, as compared with 1.29 in 1912, 1.35 in 1911, and 1.42 in 1910; the total number of deaths from this disease being 150. It is probable that many of the 316 deaths included among other lung diseases were due to phthisis.

The greatest ward death-rate from this disease was 2.61 in St. Mary's.

The INFANT MORTALITY for the whole Borough during 1913 was 145.8 per thousand births registered, as compared with 109.5 in 1912, 172.1 in 1911, and 137.5 in 1910. 380 deaths occurred among the 2606 children born during the year.

The highest infant death-rate occurred in Portwood Ward, viz., 253.8, followed closely by Spring Bank Ward, where the rate was 245.1. In both these wards a large number of deaths from zymotic diarrhoea occurred, and the figures point to a serious need for improvement in child-care and hygienic conditions.

The lowest rates were in Cale Green, Edgeley, and North Reddish Wards, and while in Cale Green and Edgeley Wards this is associated with a low birth-rate, in the case of North Reddish Ward the association of a low infant mortality with the highest birth-rate in the Borough is highly satisfactory.

Notifiable Diseases.

The diseases compulsorily notifiable under the Infectious Disease (Notification) Act are smallpox, scarlet fever, diphtheria and membranous croup, typhus, typhoid and continued fevers, puerperal fever, and erysipelas.

In 1912 cerebro-spinal fever and acute poliomyelitis were included; and the Public Health (Tuberculosis) Regulations of 1912 consolidated and amended several previous Regulations regarding the notification of tuberculosis, so that from the 1st of February, 1913, all forms of this disease were included among the diseases to be notified to the Medical Officer of Health.

872 cases of infectious disease were reported during the year 1913. This apparently large number is not comparable with the number of cases notified in previous years, owing to the inclusion for the first time of other forms of tuberculosis among the diseases required to be notified.

If we exclude tuberculosis the infectious diseases notified during the year amount to 381, a figure which shews that the ordinary infectious diseases have not been very strongly in evidence during the year.

168 cases of scarlet fever were notified during the year, as compared with 212 cases in 1912, and 190 in 1911. Although the disease was somewhat prevalent in North Reddish the Borough may be said to have been free from the disease in an epidemic form during the last four years.

91 cases of diphtheria were notified, as compared with 90 in 1912. Only one of these cases was notified as membranous croup, and of the 91 cases 34 occurred in North Reddish.

The number of cases of typhoid fever notified was 44, as compared with 29 in 1912, and 22 in 1911. Most of these cases appear to have arisen sporadically, i.e., without a common cause, and to be uniformly distributed throughout the district. Ten were notified from the Union Hospital.

Nine cases of puerperal fever occurred, as compared with 6 in the previous year.

63 cases of erysipelas were notified, as compared with 43 and 65 in 1912 and 1911 respectively.

Four cases of acute poliomyelitis were notified during the year.

The difficulty of diagnosis between cerebro-spinal meningitis and tuberculous meningitis will probably account for the fact that no cases of the former were notified, and that cases in which doubt existed would come under the heading of the more common tubercular meningitis.

491 cases of tuberculosis were notified during the year, of which 331 were cases of phthisis, and 160 other forms of this disease. The new Regulations relating to the notification of tuberculosis came into operation in February, 1913, and included the notification of all forms of tuberculosis, so that during the months of February and March a large number of non-pulmonary cases of tuberculosis, which had probably been medically attended for some time, were notified.

LOCAL GOVERNMENT BOARD RETURNS.

NOTES.—Isolation Fever Hospital is situated in Heaviley (marked a). Smallpox Isolation Hospital is situated in Reddish South (marked v).

| | |
|---|--|
| ISOLATION HOSPITAL OR HOSPITALS, SANATORIA, &c. | Infectious Diseases Hospital, Dialstone Lane, Stockport, and Smallpox Hospital, Whitehill, South Reddish, Stockport (County Borough of Stockport). |
|---|--|

CASES REPORTED DURING 1913.

| Month. | Smallpox. | Scarlet Fever. | Diphtheria. | Membranous Croup. | Typhoid Fever. | Continued Fever. | Puerperal Fever. | Erysipelas. | Cerebro-spinal Meningitis. | Acute. Poliomyelitis. | Tuberculosis | | Total. |
|-------------|-----------|----------------|-------------|-------------------|----------------|------------------|------------------|-------------|----------------------------|-----------------------|--------------|--------------|--------|
| | | | | | | | | | | | Pulmonary | Other Forms. | |
| January .. | .. | 19 | 9 | .. | 3 | .. | .. | 8 | .. | .. | .. | .. | 39 |
| February.. | .. | 9 | 6 | .. | 3 | .. | .. | 3 | .. | .. | 65 | 46 | 132 |
| March..... | .. | 16 | 8 | .. | 2 | .. | 3 | 4 | .. | .. | 28 | 28 | 89 |
| April..... | .. | 12 | 6 | .. | 4 | .. | 1 | 5 | .. | .. | 18 | 12 | 58 |
| May..... | .. | 10 | 10 | .. | 11 | .. | 1 | 8 | .. | .. | 39 | 4 | 83 |
| June..... | .. | 14 | 4 | .. | 6 | .. | .. | 7 | .. | .. | 30 | 3 | 64 |
| July..... | .. | 13 | 11 | .. | 1 | .. | 1 | 3 | .. | 1 | 26 | 18 | 74 |
| August.... | .. | 13 | 6 | .. | 1 | .. | 1 | .. | .. | 2 | 22 | 8 | 53 |
| September | .. | 5 | 8 | .. | 1 | .. | 1 | 6 | .. | .. | 27 | 12 | 60 |
| October.... | .. | 16 | 10 | .. | 2 | .. | .. | 6 | .. | 1 | 24 | 9 | 68 |
| November. | .. | 24 | 5 | 1 | 8 | .. | 1 | 9 | .. | .. | 17 | 6 | 71 |
| December | .. | 17 | 7 | .. | 2 | .. | .. | 4 | .. | .. | 35 | 14 | 79 |
| Totals... | .. | 168 | 90 | 1 | 44 | .. | 9 | 63 | .. | 4 | 331 | 160 | 870 |
| | | | 91 | | | | | | | | | | |

The Public Health (Tuberculosis) Regulations, 1912, came into operation on February 1st, 1913.

Scarlet Fever.

168 cases of scarlet fever were notified during the year, as compared with 212 in 1912, and 190 in 1911, the rate of incidence of the disease being 1.49 as compared with 1.9 in the previous year.

The average rate of incidence of scarlet fever in the 78 County Boroughs of England and Wales during the year was 4.29 cases per thousand of the population; so that as far as this disease is concerned the Borough has been very fortunate.

Although the largest number of cases occurred in the month of November, viz. 24, the incidence of the disease was fairly uniformly distributed throughout the year, and no definite seasonal distribution occurred.

It is remarkable that among the 168 cases only one death occurred. With the exception of this case, which was atypical and of a very septic type, the character of the disease during the year has been fairly mild.

I think it may, however, be safely said that the hospital treatment of 114 of the cases accounts for the saving of several lives.

The age distribution has been somewhat unusual owing to the greater proportion of adults who have contracted the disease during the year. Although the greatest number of cases, viz.: 103, occurred between the ages of 5 and 15, 25 cases or 15 per cent. of the total were over this age, as compared with 7 per cent., 9 per cent., and 6 per cent. in the three preceding years; thus the number of young adults who contracted the disease was twice the average.

There were no cases under one year of age.

The largest number of cases which occurred in any part of the borough was in North Reddish. This district has been unduly visited during the year with both scarlet fever and diphtheria.

39 cases of scarlet fever were notified from this district during the year, 23 of whom were among school children, and of these 16 attended North Reddish Council School. Seven cases occurred during the first four months of the year, one in May, one in July, one in October, four in November, and two in December. It is evident from this that while all ordinary precautions were taken no such procedure as school closure could be resorted to.

The greatest prevalence of the disease in this district was in November, when 13 cases were notified during the month. In this district, which is a relatively new district, the proportion of children at the school age is nearly 20 per cent. above the average proportion for the borough, thus there is an unduly large number of persons susceptible to scarlet fever and diphtheria, and this to some extent accounts for the greater incidence of these diseases in North Reddish than in the other wards of the borough.

Of the 39 cases in this district 28 or 72 per cent. were removed to the hospital. This was probably instrumental in preventing the disease assuming epidemic proportions in North Reddish.

Four "return" cases occurred during the year. This is very satisfactory, and is due to the considerable care which is taken to see that a child is as far as possible normal, and free from infection at the time of discharge from the hospital. In the second instance in the table the primary case or discharged patient, although notified as a case of

diphtheria, was found on admission to the hospital to be suffering from scarlet fever; desquamation commenced on the fourth day after admission and the child developed otorrhœa during the third week; after discharge from the hospital probably owing to negligence and exposure the child again became infectious and was the cause of infecting a sister with scarlet fever.

| <i>Ward.</i> | <i>Number of cases of Scarlet Fever notified during the year 1913.</i> | <i>Estimated Population</i> | <i>Percentage of cases removed to Hospital.</i> | <i>Incidence of Scarlet Fever per 1,000 of the population.</i> |
|-----------------------|--|---------------------------------|---|--|
| Lancashire Hill | 4 | 5530 | 50 | 0.72 |
| Heaton Lane | 10 | 6250 | 90 | 1.6 |
| Old Road | 3 | 6015 | 100 | 0.50 |
| Portwood | 12 | 8000 | 75 | 1.5 |
| St. Mary's | 5 | 3250 | 80 | 1.54 |
| Vernon | 13 | 6310 | 100 | 2.06 |
| Spring Bank | .. | 4325 | .. | .. |
| Hollywood | 9 | 8745 | 78 | 1.03 |
| Edgeley..... | 15 | 10205 | 53 | 1.47 |
| Shaw Heath | 13 | 10810 | 46 | 1.2 |
| St. Thomas's..... | 5 | 5220 | 80 | 0.96 |
| Hempshaw Lane..... | 4 | 5715 | 75 | 0.70 |
| Cale Green | 10 | 6660 | 50 | 1.5 |
| Heaviley | 14 | 10785 | 29 | 1.3 |
| Reddish North | 39 | 9240 | 72 | 4.22 |
| Reddish South | 9 | 5420 | 67 | 1.66 |
| Infirmary | 3 | .. | 100 | .. |
| Union Workhouse ... | .. | .. | .. | .. |
| Union Hospital | .. | .. | .. | .. |

TABULAR STATEMENT OF RETURN CASES.

| No. in Register. | Age. | Sex. | DISCHARGED PATIENT. | | | Notes as to any abnormality. | | Onset and number of Return Case. | Interval between Discharge of Patient and onset of Return Case. |
|------------------|-------------------------------|------|---------------------|------------------|--------------------|------------------------------|---|----------------------------------|---|
| | | | Date of Discharge. | Days in Hospital | Length of Illness. | On Discharge. | After Discharge. | | |
| 1912. | | | | | | | | | |
| 345 | 17 | F. | 10/1/13..... | 53 | 55 | Normal. | Developed Blepharitis since leaving Hospital. | 20/1/13 (20) | 10 days. |
| 1913. | | | | | | | | | |
| 244 | 4 ¹⁰ ₁₂ | F. | 21/11/13..... | 83 | 87 | Normal. | Sores over ears. Bad rash over back at time of visit. | 29/11/13 (367) | 8 , |
| 247 | 11 | M. | 17/10/13..... | 45 | 47 | Normal. | Sores on lip. | 9/11/13 (328) | 23 , |
| { 285 | 12 | F. | 28/11/13..... | 43 | 44 | Normal. | — | 9/12/13 (381) | 11 , |
| { 286 | 10 | F. | 28/11/13..... | 43 | 44 | | | | |

Diphtheria.

91 cases of diphtheria were reported during the year 1913, as compared with 90 in 1912, and 60 in the previous year. The cases occurred uniformly throughout the year, and the ward which suffered most from this disease, as in the case of scarlet fever, was North Reddish with 34 cases, and of these cases only nine occurred among children attending school, so that school attendance cannot on this occasion be made the scapegoat for the dissemination of the disease.

The sickness rate per thousand of the population, viz.: .84, is very low compared to the average incidence of the disease in the other County Boroughs in England and Wales, which for the year 1913 shows an average of 1.49 per thousand of the population.

Although only one case was reported as membranous croup, 7 of the 40 cases admitted to the Isolation hospital were suffering from this form of diphtheria, which especially attacks the larynx; and in 3 of these cases the operation of tracheotomy was an urgent necessity to prevent suffocation. These cases recovered.

14 deaths occurred during the year, giving a case mortality, i.e., the number of deaths per hundred cases of the disease, equal to 15.4 per cent.; the case mortality amongst those removed to the hospital being only 7.5 per cent.

The age incidence of the disease is as follows:—

| | |
|---------------------------|----|
| Under 1 year of age | 2 |
| 1—5 | 28 |
| 5—15 | 35 |
| Over 15 | 26 |

As in the case of scarlet fever a higher proportion of cases occurred among young adults over the age of 15 than is usual.

Of the 14 deaths 13 occurred below the age of 15.

In 49 instances antitoxin was supplied by the Health Department, as compared to 61 cases last year. The difference is due to the larger number of cases removed to the Hospital in 1913.

Typhoid Fever.

Forty-four cases of typhoid fever were reported in the Borough during the year 1913, as compared with 29 in 1912. Of these cases 10 were reported from the Union Hospital.

Careful inquiries were made into the circumstances of the remaining 34 cases, and it was found that the sufferers had consumed shellfish at some time during the three weeks preceding the onset of the illness in no less than ten instances, or 29 per cent.; and in the majority of these cases it is highly probable that the infection was conveyed to the patient in this manner.

Sea molluscs, e.g., mussels, oysters, cockles, etc., have for many years been known to be capable of causing enteric fever when gathered from a sewage-polluted estuary. In the case of oysters such stringent measures have been taken to prevent contamination of the beds that little or no risk is now incurred by the consumption of these molluscs; but there is no doubt that the indiscriminate gathering of mussels from places where the greatest opportunities of pollution occur, and the storage of the shell fish under unsatisfactory conditions is fraught with considerable danger to the mussel-consuming public, and regulations enabling Sanitary Authorities to deal with shell fish beds are under the consideration of the Local Government Board.

A case of enteric occurring at a farm within the Borough was reported in April; the infection was probably derived from ice-cream which the patient had taken while on a visit to a neighbouring district. The case was removed to the hospital, premises and clothing disinfected, and the milk vessels were daily sterilised. Two weeks later the father, who had been in contact with the first case prior to its infection, contracted the disease, and was treated at home. In addition to the usual precautionary measures taken in such cases the whole of the milk business was transferred to suitable premises some distance away, and no persons engaged in the business were allowed on the infected premises; the whole of the milk vessels were thoroughly sterilised after being used twice daily during the period of infection, and for twenty-eight days afterwards. Owing to the thoroughness with which these precautions were carried out no further case occurred at the farm or amongst the milk customers.

The incidence of the disease per thousand of the population was .39, as compared with an average of .25 for the County Boroughs of England and Wales.

A limited number of cases was reported each month, and no serious outbursts occurred at any time, the highest number being reported in May.

There were 10 deaths from typhoid fever, viz., 9 males and 1 female, giving a case mortality of 23 per cent., as compared with 17 per cent. in 1912, and 45 per cent. in 1911.

Acute Poliomyelitis.

Four cases of acute poliomyelitis were notified during the year, and the following are the details which were reported to the Local Government Board in connection with these cases:—

First Case: C. J., female, aged 19 months, Minstrel Court, Duke Street.

The case was notified on July the 27th, and on July the 30th I ascertained the following facts:—

The child had been ailing with a slight cold and running at the nose for three or four days, and had a week or so previously commenced to walk; on July the 26th the mother stated that the walk left her, and the

baby was unable to either walk or crawl. On examination both legs were weak, although apparently not paralysed, and there were slight plantar reflexes. Could not obtain knee jerk. No other symptom had developed.

I visited the case on September 22nd, and the child had completely recovered. The mother stated that she was in bed for a fortnight.

There were six children, besides the father and mother, in the house, but no other case occurred. The child slept with the father and mother. I was unable to ascertain the origin of the illness. The house is a through ventilated house in a closed court-yard.

There is a privy-midden within five yards of the front door. The child was isolated as far as possible, and notice has been sent to the owner to convert the privy-midden into a water-closet.

Second Case: J. E., male, aged 2, Stanhope Street.

This case was notified on August the 13th. On August the 14th I consulted the doctor and ascertained the following history, etc., at the house:—

On Thursday and Friday, the 24th and 25th of July, the boy was running about apparently well, but his mother stated that he had a slight cold and was a little feverish on the 24th. On Saturday, the 26th, he became fretful, and went to sleep about 11 a.m., woke up about 2 p.m., and was unable to stand. The doctor called on the 26th of July, and notified the case on the 13th of August. Apparently the doctor had not diagnosed the case definitely until the child had recovered from the acute condition, and showed some weakness of the legs. This would probably account for the delay in notification.

The child had an attack of measles in the beginning of June, and since then has not been perfectly well. He is constantly playing about in the roads outside the house.

At the time of my visit there was slight weakness of both ankles, but the left was more affected than the right, and there was some pain when the ankle was extended. The condition was improving. There were no other children in the house, and no definite cause could be ascertained. There was no insanitary condition discovered at the dwelling-house.

Third Case: W. T., female, aged 12 years, Dialstone Lane.

Notified on August the 13th. I visited this case with the medical attendant on August the 20th. The patient was quite well before the 5th of August, when she got a sore throat and a slight cold. No running of the nose; no difficulty in swallowing. The condition improved, and she went out on the 7th, and on the 8th of August, after a walk of about two miles, she complained of pain in the back, and was sick. She vomited again on Saturday the 9th, was feverish and restless. On Sunday morning the 10th she was unable to get up, and the doctor was sent for. She had pain all down the spine, especially in the hips; and on Monday, the 11th, both legs were found to be paralysed, and all reflexes disappeared, although there was slight movement of the left thigh. On the occasion of my visit there was still pain in the bottom of the back, slight opisthotonos, and limited anteroposterior movement of the neck. The patient was isolated at home. One other child lives in the house. No sanitary defects could be discovered, and no cause was ascertained.

I visited on September 23rd, and ascertained that there was complete paralysis of the right leg and thigh, and very slight movement of the left leg. She was still receiving medical attention.

Fourth Case: T.H., male, aged 49 years, Ladysmith Street.

This was very doubtful. The man, a railway shunter, in the course of his occupation (I think he was putting on a brake) became suddenly paralysed. The medical attendant asked me to see the case on the 15th of October, three or four days after the paralysis occurred. The paralysis was entirely motor and symmetrical, and so far as I could make out could only be accounted for by acute poliomyelitis or thrombosis of the ventral median branch of the anterior spinal artery.

Mr. Thorburn, of Manchester, was later called into consultation, and I understand was in favour of poliomyelitis.

The patient is still confined to bed (April, 1914), but is gradually recovering from the paralysis.

Puerperal Fever.

Nine cases of puerperal fever were notified during the year, as compared with six in 1912, and 10 in 1911.

Of the 9 cases only 2 deaths occurred.

Smallpox.

No case of smallpox has arisen within the Borough since 1909.

Vaccination.

From the table it will be seen that the number of successful primary vaccinations for the year 1913 was much less than for 1912 and indeed for many previous years, with the exception of the year 1910.

Again, the number of children in respect of whom certificates of conscientious objection have been received is in excess of any previous year. The sudden increase in this number during 1907 and the following years is clearly due to the Vaccination Act of 1907, which enabled the so-called conscientious objector to obtain exemption from vaccination of his child with much greater ease than hitherto; and too much stress cannot be laid on the danger to a community from invasion by smallpox when there exists a large proportion of young unvaccinated persons.

In the following tables the returns, relating to primary vaccination of infants during the decennium, 1903-1912, in the various registration districts of Stockport are exhibited. The number of certificates of successful primary vaccination, at all ages, received during the last fifteen years has been as follows:—

| | |
|-----------|------|
| 1899..... | 1970 |
| 1900..... | 2062 |
| 1901..... | 2217 |
| 1902..... | 2368 |
| 1903..... | 2466 |
| 1904..... | 2242 |
| 1905..... | 2202 |
| 1906..... | 2099 |
| 1907..... | 2038 |
| 1908..... | 1753 |
| 1909..... | 1534 |
| 1910..... | 1066 |
| 1911..... | 1483 |
| 1912..... | 1243 |
| 1913..... | 1170 |

| Year ending 31st December. | No. of Births registered | Successfully Vaccinated. | Insusceptible of Vaccination. | Had Smallpox. | Number in respect of whom Certificates of Conscientious Objection have been received. | Dead Unvaccinated. | Postponement by Medical Certificate. | Removal to districts the Vaccination Officer of which has been duly apprised. | Removal to places unknown or which cannot be reached and cases not having been found. | Unaccounted for. |
|----------------------------|--------------------------|--------------------------|-------------------------------|---------------|---|--------------------|--------------------------------------|---|---|------------------|
| 1903 | 2800 | 2179 | 6 | .. | 41 | 392 | 69 | 7 | 94 | 14 |
| 1904 | 2566 | 1998 | 6 | 1 | 31 | 385 | 50 | 2 | 79 | 14 |
| 1905 | 2668 | 2039 | 4 | .. | 47 | 366 | 81 | 2 | 126 | 4 |
| 1906 | 2686 | 2018 | 9 | .. | 79 | 396 | 67 | 3 | 117 | 7 |
| 1907 | 2730 | 1896 | 12 | .. | 159 | 363 | 99 | 8 | 184 | 13 |
| 1908 | 2860 | 1622 | 15 | .. | 506 | 373 | 85 | 8 | 210 | 43 |
| 1909 | 2734 | 1499 | 4 | .. | 561 | 321 | 127 | 6 | 196 | 20 |
| 1910 | 2692 | 1373 | 7 | .. | 774 | 264 | 73 | 31 | 172 | 10 |
| 1911 | 2552 | 1190 | 5 | .. | 719 | 326 | 91 | 28 | 139 | 54 |
| 1912 | 2528 | 1191 | 3 | .. | 838 | 204 | 95 | 48 | 130 | 19 |
| <i>Totals</i> | 26816 | 17005 | 71 | 1 | 3755 | 3390 | 837 | 143 | 1447 | 198 |

I am indebted to the courtesy of C. F. Johnson, Esq., solicitor, Clerk to the Guardians, for these figures.

Tuberculosis.

On and after the 1st of February, 1913, all forms of tuberculosis became compulsorily notifiable. Hitherto it has only been possible to obtain an idea of the prevalence of this disease from an estimation of the death-rate, but notification will enable for the first time an estimation of the sickness rate due to both pulmonary and other forms of tuberculosis to be made.

During the year notifications have been received in respect of 491 persons found to be suffering from tuberculosis, of which 331 were pulmonary cases, and 160 non-pulmonary.

The number of deaths from all forms of tuberculosis during the year 1913 was 208, being equal to 11.8 per cent of the nett total deaths registered in the Borough, and a corrected death-rate of 1.96 per 1,000 of the population, as compared with 185 deaths, and a corrected death-rate of 1.76 per thousand in 1912.

The deaths from all forms of tuberculosis in England and Wales during 1911 comprised 10 per cent of the deaths from all causes.

PULMONARY TUBERCULOSIS.—The 331 cases of pulmonary tuberculosis were notified under the following headings:—

| | |
|--|-----|
| Form A | 180 |
| Form B | 4 |
| Form C (193 cases were notified on this form, of which 147, being fresh cases, should have been notified on Form A). | |

It is difficult to estimate the actual number of current cases of pulmonary tuberculosis at the present time within the Borough, but it may be assumed that the number of cases sufficiently definite to give little difficulty in diagnosis, is at least three times the number of deaths; so that it is evident that the number of cases notified does not at the present time represent anything like the number of sufferers, and it is highly probable that a large number of cases exist in the early stages of the disease which have not yet received any medical attention.

Of the cases notified 219 were between the ages of 15 and 45, showing that by far the greatest incidence of the disease is among people at the best working period of their lives. 75 cases were notified between the ages of 45 and 55, 10 over 65, and 27 under the age of 15.

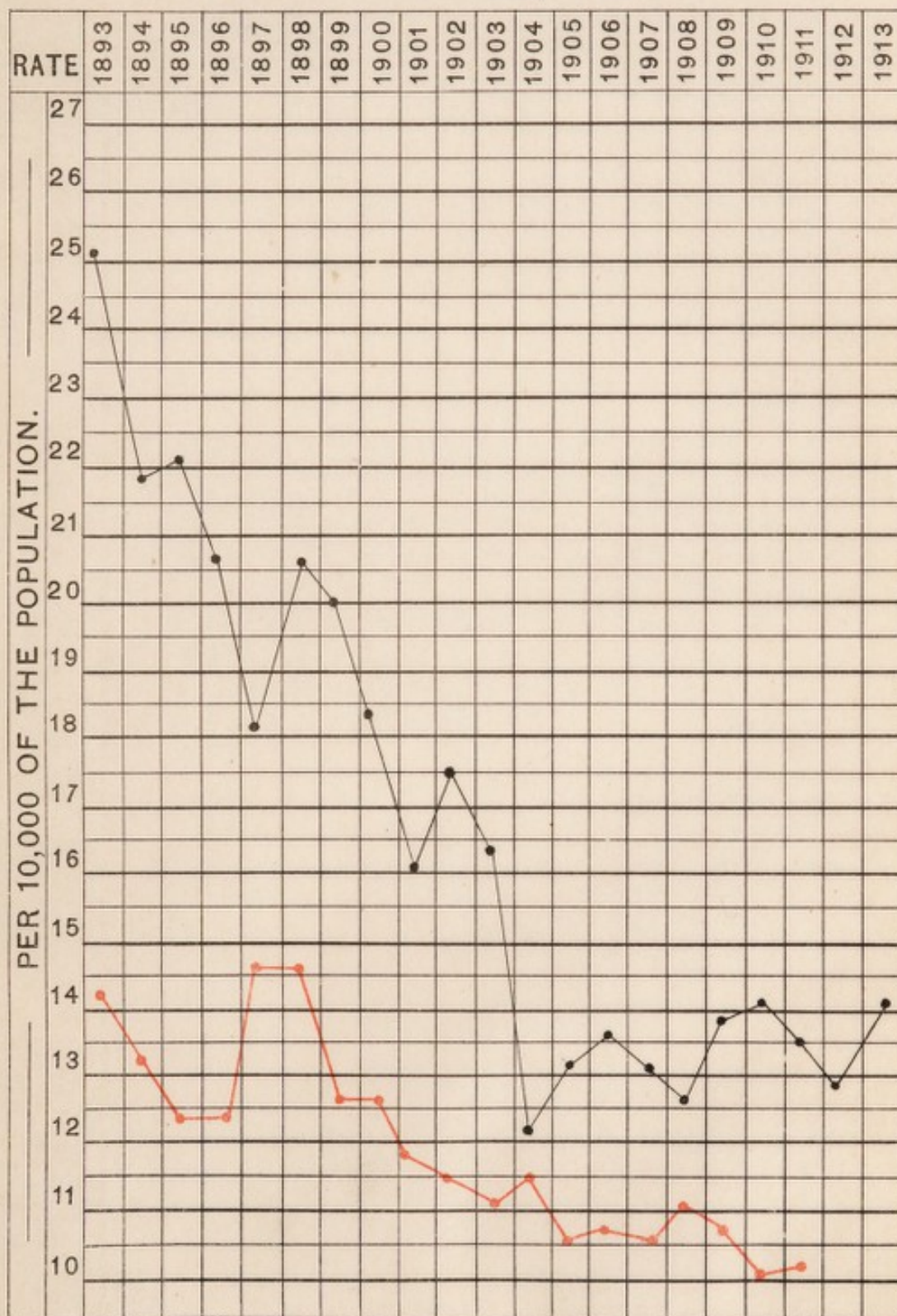
An appended table shows the occupations of the 180 cases notified under Form A, which were investigated during the year. 48 occurred among cotton operatives, and 12 among persons engaged in the hatting industry.

The number of deaths from pulmonary tuberculosis during the year was 150, viz., 78 males and 72 females, giving a death rate of 1.41, as compared to 1.29 in 1912; 1.35 in 1911; and 1.42 in 1910.

Of the 150 deaths 2 occurred under 5 years of age, 8 between 5 and 15, 32 between 15 and 25, 67 between 25 and 45, 37 between 45 and 65, and 4 above this age.

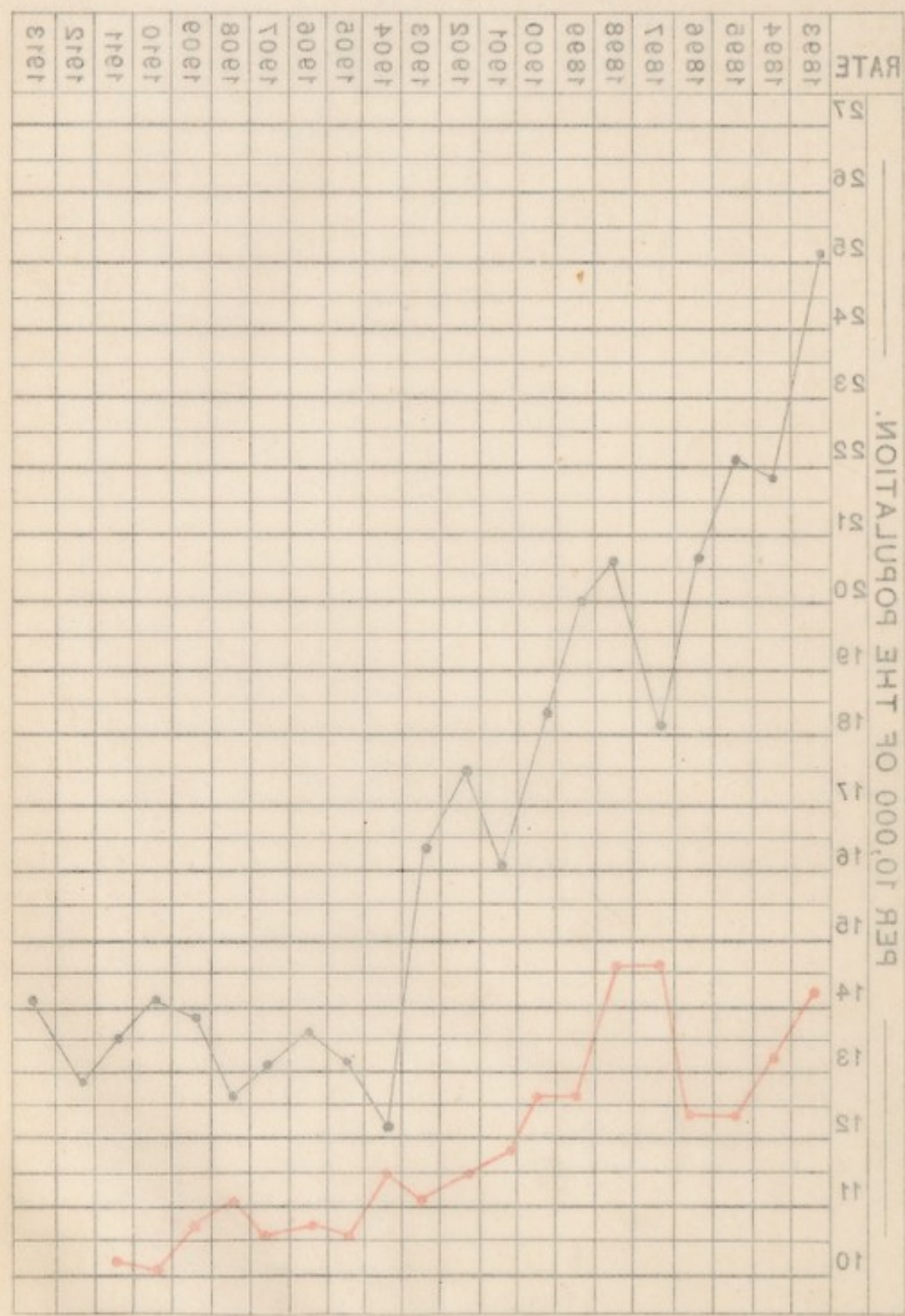
The number of deaths among males from pulmonary tuberculosis is throughout the country considerably greater (nearly half as much again)

The following Chart shows the Death Rates from Pulmonary Tuberculosis per 10,000 of the Population in England and Wales and Stockport, 1893-1913.



England and Wales—in red. Stockport—in black.

The following Chart shows the Death Rates from Pulmonary Tuberculosis per 10,000 of the Population in England and Wales and Stockport, 1893-1913.



England and Wales—in black. Stockport—in red.

than among females, and the approximate equality in the number of deaths among the two sexes in Stockport, and in many of the Lancashire towns, is to some extent due to the large amount of female factory labour employed.

The results of investigations showing the number of persons living in houses where a case of tuberculosis existed, are set out in the following statement:—

| | | | | | |
|----------------------|-----------|--|------------------------|----------|------|
| In 5-roomed houses : | | | 5 persons in 18 cases. | | |
| 2 persons in | 4 cases. | | 6 | „ | 11 „ |
| 3 „ | 10 „ | | 7 | „ | 4 „ |
| 4 „ | 11 „ | | 8 | „ | 3 „ |
| 5 „ | 5 „ | | In 3-roomed houses : | | |
| 6 „ | 3 „ | | 3 persons in | 6 cases. | |
| 7 „ | 1 case. | | 5 „ | 1 case. | |
| 8 „ | 1 „ | | In 2-roomed houses : | | |
| In 4-roomed houses : | | | 2 persons in | 1 case. | |
| 2 persons in | 14 cases. | | 4 „ | 2 cases. | |
| 3 „ | 12 „ | | 5 „ | 1 case. | |
| 4 „ | 17 „ | | | | |

This statement indicates that on an average in houses containing five rooms and less there are three persons in constant association and contact with each case of tuberculosis. The majority of the cases occurred in four-roomed houses ; in these houses 288 persons were found to be associated with 90 cases of tuberculosis. An average of 4.2 persons lived in each house, and as only two bedrooms are available the difficulty of preventing other inmates of these houses becoming infected will be evident.

With regard to the duration of illness prior to notification it will be seen from the following table that 64 out of 180 cases, or 35.5 per cent., had suffered from the disease for more than twelve months before they became known to the Department, and it is probable that this is a low estimate, as it is not easy to obtain in the case of tuberculosis an accurate statement of the duration of the illness in the majority of the cases ; this is a difficulty which militates largely against the chances of success in preventive and curative measures in dealing with the disease.

PULMONARY TUBERCULOSIS.

DURATION OF ILLNESS IN NOTIFIED CASES.

| <i>Period.</i> | <i>Cases Notified.</i> |
|----------------------|------------------------|
| Under 6 months..... | 80 |
| Over 6 months..... | 36 |
| Over 1 year..... | 23 |
| Over 2 years..... | 16 |
| Over 3 years..... | 5 |
| Over 4 years..... | 1 |
| Over 5 years..... | 14 |
| Not ascertained..... | 5 |
| <hr/> | |
| Total..... | 180 |

NON-PULMONARY TUBERCULOSIS.—Tuberculosis of other parts of the body than the lungs became compulsorily notifiable on the 1st of February. No notification of these forms of tuberculosis was carried out in any part of the country previous to this.

The parts of the body mainly affected are glands, joints, spine, skin, brain, peritoneum, and bones. The number of cases notified during the year was 160, and of these 114, or 71 per cent., were below the age of 15. This age-period stands in striking contrast to the age-period for pulmonary tuberculosis in which the largest proportion of cases occur between the ages of 25 and 45.

The localisation of the cases notified is here given :—

| | | | |
|-----------------|----|------------------|---|
| Brain..... | 10 | Abdomen..... | 1 |
| Glands..... | 60 | Face..... | 2 |
| Hip Joint..... | 21 | Kidney..... | 2 |
| Skin..... | 12 | Knee Joint..... | 2 |
| Spine..... | 9 | Larynx..... | 2 |
| Peritoneum..... | 7 | Bladder..... | 1 |
| Intestines..... | 9 | Other Forms..... | 6 |
| Bones..... | 16 | | |

Glandular tuberculosis, mainly affecting the glands of the neck, accounted for 60 cases ; and the disease affected joints and bones in 48 cases, 21 of which were cases of hip disease.

The serious nature of non-pulmonary tuberculosis becomes evident when it is seen that it mainly affects children, producing among the majority of survivors cripples and chronic invalids. The hopeful side is that many of these cases respond extremely well to proper treatment, and in the majority of cases (excepting meningitis) if early discovered and treated hold out every prospect of a permanent cure.

As in tuberculosis of the lungs it is highly probable that the number of notifications falls very far short of the number of cases of the disease, and only accounts for those in whom the disease is firmly established.

The number of deaths from non-pulmonary tuberculosis during the year was 58, as compared with 50 in the previous year, and gives a death-rate per thousand of .55. These are sub-divided as follows :—

| | |
|---|----|
| Tuberculosis of the Brain or its Membranes..... | 26 |
| Tuberculosis of the Intestines..... | 15 |
| General Tuberculosis..... | 12 |
| Other Forms..... | 5 |

Of these deaths 47, or 81 per cent., were below the age of 15 ; while in the case of pulmonary tuberculosis 93 per cent. of the deaths occurred above the age of 15.

SANATORIUM BENEFIT.—The Local Insurance Committee continued the temporary arrangement to use ten beds for insured persons at Bowdon Sanatorium during the year, and I am indebted to the Clerk to the Local Insurance Committee for the following statement concerning the administration of sanatorium benefit for the year 1913 :—

STOCKPORT INSURANCE COMMITTEE.

SANATORIUM BENEFIT.

| | |
|--|-----|
| Number of applications for Sanatorium Benefit..... | 102 |
| Number of Cases recommended for Sanatorium Treatment..... | 50 |
| Number of Cases recommended for Domiciliary or Hospital Treatment..... | 51 |

One of the cases examined was not recommended as a case for Sanatorium Benefit.

Pulmonary Tuberculosis Investigations occupational Incidence of Cases
Notified on Form A.

| <i>Occupation.</i> | <i>No.</i> | <i>Occupation.</i> | <i>No.</i> | <i>Occupation.</i> | <i>No.</i> |
|----------------------------|------------|--------------------|------------|---------------------|------------|
| <i>Cotton Operatives :</i> | | Agents, Insurance. | 1 | Engineers..... | 1 |
| Cotton Operative | 1 | Bag-makers..... | 1 | Milliners..... | 2 |
| Carders..... | 1 | Bakers..... | 1 | Mixer, Chemical | |
| Beamers..... | 1 | Bookbinders..... | 1 | Works..... | 1 |
| Bobbiners..... | 1 | Bookkeepers..... | 1 | Packers..... | 1 |
| Doffers..... | 3 | Brass Finisher's | | Painters..... | 1 |
| Doublers..... | 5 | Machinist..... | 1 | Pattern Makers... | 2 |
| Gassers..... | 4 | Bricklayers..... | 3 | Pianists..... | 1 |
| Grinders..... | 1 | Carriage Cleaners. | 1 | Plumbers..... | 2 |
| Packers..... | 1 | Carters..... | 4 | Porters..... | 1 |
| Piecers..... | 2 | Clerks..... | 5 | Printers..... | 1 |
| Reelers..... | 3 | Dressmakers..... | 1 | Rope Makers..... | 1 |
| Spinners..... | 4 | Errand Boys..... | 1 | School Children... | 11 |
| „ (Ring).. | 4 | Farm Bailiffs..... | 1 | Shop Assistants... | 1 |
| Spoolers..... | 1 | Firemen..... | 1 | Soldiers..... | 1 |
| Weavers..... | 1 | French Polishers.. | 1 | Spindle Makers... | 1 |
| Winders, Bob- | | Fruiterers..... | 1 | <i>Tailors :</i> | |
| bin. . | 5 | Fly-paper Makers. | 1 | Cutters..... | 1 |
| „ Cop .. | 10 | Gold Miner..... | 1 | Pressers..... | 1 |
| <i>Hatting :</i> | | Greengrocers..... | 2 | Teachers..... | 1 |
| Hatters..... | 3 | Grocer's Assistant | 1 | Telephone Operators | 1 |
| Crozierers..... | 1 | Housewives, Do- | | Varnishers..... | 1 |
| Curlers..... | 1 | mestic Servants, | | Warehousemen.... | 1 |
| Fur Feeders.... | 1 | Charwomen, etc. | 34 | Warehouse Sales- | |
| Machine Hands. | 1 | Iron Turners..... | 1 | men..... | 1 |
| Plankers..... | 1 | Iron Moulders.... | 1 | Waste-paper Sorters | 1 |
| Ruffers..... | 1 | Joiners..... | 1 | No Occupation... | 10 |
| Settlers..... | 1 | <i>Labourers :</i> | | | |
| Trimmers..... | 2 | General..... | 5 | Total..... | 180 |
| Accountants..... | 1 | Blacksmith's.... | 1 | | |

DEATHS FROM PULMONARY TUBERCULOSIS.
OCCUPATIONAL MORTALITY IN AGE PERIODS.

| Occupation. | YEARS OF AGE. | | | | | | | | | | Total. | |
|---------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-----------|--|--------|----|
| | ..-10 | 10-15 | 15-20 | 20-25 | 25-35 | 35-45 | 45-55 | 55-65 | 65 & over | | M. | F. |
| | M.F. | M.F. | M.F. | M.F. | M.F. | M.F. | M.F. | M.F. | M.F. | | M. | F. |
| <i>Cotton Operatives:</i> | | | | | | | | | | | | |
| Cotton Operatives | .. | .. | 1 | .. | .. | 3 | .. | 1 | .. | | 4 | 1 |
| Bleacher.... | .. | .. | 1 | .. | .. | .. | 1 | .. | .. | | 1 | 1 |
| Doffer..... | .. | .. | 1 | .. | .. | .. | .. | .. | .. | | .. | 1 |
| Doubler.... | .. | .. | 1 1 | 1 | 1 | 2 | .. | .. | .. | | 5 | 1 |
| Gasser..... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | | 1 | .. |
| Grinder.... | .. | .. | .. | .. | .. | 1 | .. | .. | .. | | 1 | .. |
| Maker-up... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | | 1 | .. |
| Spinner..... | .. | .. | .. | .. | 1 | .. | 1 | .. | .. | | 2 | .. |
| Warper..... | .. | .. | .. | .. | .. | .. | .. | 1 | .. | | 1 | .. |
| Weaver..... | .. | .. | .. | .. | 1 | .. | .. | .. | .. | | .. | 1 |
| Yarn Dyer.. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | | 1 | .. |
| Overlooker.. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | | 1 | .. |
| Goods Buyer | .. | .. | .. | .. | .. | 1 | .. | .. | .. | | 1 | .. |
| Hatter..... | .. | .. | .. | 1 | 3 | 1 | .. | 1 | .. | | 6 | .. |
| Hat Leather | | | | | | | | | | | | |
| Tagger..... | .. | .. | 1 | .. | .. | .. | .. | .. | .. | | 1 | .. |
| Asphalter.... | .. | .. | .. | .. | 1 | .. | .. | .. | .. | | 1 | .. |
| Boot Dealer... | .. | .. | .. | .. | .. | .. | .. | 1 | .. | | 1 | .. |
| Bricksetter... | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | | 2 | .. |
| Charwoman... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | | .. | 1 |
| Clerk..... | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | | 2 | .. |
| Clogger..... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | | 1 | .. |
| Collier..... | .. | .. | .. | 1 | .. | .. | .. | .. | .. | | 1 | .. |
| Commission | | | | | | | | | | | | |
| Agent..... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | | 1 | .. |
| Confectioner .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | | .. | 1 |
| Farmer..... | .. | .. | 1 | .. | .. | .. | .. | .. | .. | | 1 | .. |
| Gardener..... | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | | 2 | .. |
| Gold Miner... | .. | .. | .. | .. | .. | 1 | .. | .. | .. | | 1 | .. |
| Greengrocer... | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | | 2 | .. |
| Grocer..... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | | 1 | .. |
| Insurance | | | | | | | | | | | | |
| Agent..... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | | 1 | .. |
| Carried forward..... | .. | .. | 3 4 | 3 | 9 1 | 13 1 | 11 1 | 4 | .. | | 43 | 7 |

| Occupation. | YEARS OF AGE. | | | | | | | | | | Total. | |
|---------------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-----------|-----|--------|--|
| | ..-10 | 10-15 | 15-20 | 20-25 | 25-35 | 35-45 | 45-55 | 55-65 | 65 & over | | | |
| | M. F. | M. F. | M. F. | M. F. | M. F. | M. F. | M. F. | M. F. | M. F. | M. | F. | |
| Brought forward | | | 3 4 | 3 . | 9 1 | 13 1 | 11 1 | 4 . | . . | 43 | 7 | |
| Joiner..... | | | | | | | | 1 . | . . | 1 | . | |
| Labourers— | | | | | | | | | | | | |
| General..... | | | | | 2 . | 2 1 | 4 . | . . | 1 . | 9 | 1 | |
| Bricksetters.. | | | | | | 1 . | . . | . . | . . | 1 | . | |
| Farm..... | | | | 1 . | . . | 1 . | . . | 1 . | . . | 3 | . | |
| Painters..... | | | | | 1 . | . . | . . | . . | . . | 1 | . | |
| Gas Works.. | | | | | 1 . | . . | . . | . . | . . | 1 | . | |
| Laundress..... | | | | | | 1 | . . | . . | . . | . | 1 | |
| Machine Tool Fitter..... | | | | | | 1 . | . . | . . | . . | 1 | . | |
| Milkseller..... | | | | 1 . | . . | . . | . . | . . | . . | 1 | . | |
| Painter, House | | | | | | | | 1 . | . . | 1 | . | |
| Pianist..... | | | | | 1 . | . . | . . | . . | . . | 1 | . | |
| Plumber..... | | | | | 1 . | . . | . . | . . | . . | 1 | . | |
| Railway Goods Guard..... | | | | | | 1 . | . . | . . | . . | 1 | . | |
| Restaurant Manager.... | | | | | 1 . | . . | . . | . . | . . | 1 | . | |
| Signalman.... | | | | | | | | 1 . | . . | 1 | . | |
| Silk Plush Weavers' Manager.... | | | | | | | | 1 . | . . | 1 | . | |
| Stationer's Assistant... | | | | 1 . | . . | . . | . . | . . | . . | 1 | . | |
| Stone Dresser.. | | | | | | | | . . | 1 . | 1 | . | |
| Telephone Operator.... | | | | | | 1 . | . . | . . | . . | 1 | . | |
| Tobacco Stover..... | | | | | | 1 . | . . | . . | . . | 1 | . | |
| Housewives, Domestic, etc. | | | | . 6 | . 10 | . 10 | . 2 | . 3 | . . | . | 31 | |
| No occupations..... | 1 2 | . 7 | 3 6 | . 4 | . 1 | 1 4 | 1 3 | . 3 | . 2 | 6 | 32 | |
| Totals.... | 1 2 | . 7 | 6 10 | 6 10 | 16 12 | 22 17 | 16 6 | 9 6 | 2 2 | 78 | 72 | |
| | | | | | | | | | | 150 | | |

PHTHISIS AND OTHER FORMS OF TUBERCULOSIS.

| <i>Year</i> | <i>Phthisis Cases reported.</i> | <i>No. of Deaths from Phthisis.</i> | <i>Phthisis Death- Rate.</i> | <i>No. of Deaths from other Tuber- cular Diseases.</i> | <i>Death- Rate from other Tuber- cular Diseases.</i> | <i>Total Tuber- culosis Death- Rate.</i> |
|-------------|---|---|--------------------------------------|--|--|--|
| 1904 | 5 | 110 | 1.22 | 77 | 0.85 | 2.08 |
| 1905 | 34 | 122 | 1.32 | 82 | 0.90 | 2.23 |
| 1906 | 161 | 126 | 1.36 | 64 | 0.69 | 2.05 |
| 1907 | 139 | 123 | 1.31 | 61 | 0.65 | 1.96 |
| 1908 | 95 | 120 | 1.26 | 90 | 0.94 | 2.21 |
| 1909 | 129 | 134 | 1.39 | 61 | 0.63 | 2.03 |
| 1910 | 74 | 139 | 1.42 | 86 | 0.88 | 2.31 |
| 1911 | 233 | 136 | 1.35 | 54 | 0.53 | 1.88 |
| 1912 | 357 | 135 | 1.29 | 50 | 0.47 | 1.76 |
| 1913 | 331 | 150 | 1.41 | 58 | 0.55 | 1.96 |

TUBERCULOSIS OF BRAIN OR MENINGES.

| <i>Year.</i> | —1 | 1—5 | 5—15 | 15—25 | 25—65 | 65 and upwards | <i>Totals.</i> |
|---------------|----|-----|------|-------|-------|----------------|----------------|
| 1904 | 8 | 14 | 3 | .. | 2 | .. | 27 |
| 1905 | 5 | 18 | 5 | .. | .. | .. | 28 |
| 1906 | 5 | 14 | 6 | 1 | .. | .. | 26 |
| 1907 | 3 | 9 | 1 | .. | 1 | .. | 14 |
| 1908 | 10 | 14 | 7 | 1 | .. | .. | 32 |
| 1909 | 4 | 9 | 2 | .. | .. | .. | 15 |
| 1910 | 7 | 12 | 2 | 2 | 2 | .. | 25 |
| 1911 | 3 | 6 | 3 | .. | 1 | .. | 13 |
| 1912 | 2 | 12 | .. | .. | 2 | .. | 16 |
| 1913 | 6 | 15 | 5 | .. | .. | .. | 26 |
| <i>Totals</i> | 53 | 123 | 34 | 4 | 8 | .. | 222 |

MENINGITIS.

| <i>Year</i> | —1 | 1—5 | 5—15 | 17—25 | 25—65 | 65 and upwards | <i>Totals.</i> |
|---------------|----|-----|------|-------|-------|----------------|----------------|
| 1904 | 4 | 8 | 3 | 1 | 1 | .. | 17 |
| 1905 | 3 | 4 | 1 | 1 | 4 | .. | 13 |
| 1906 | 6 | 6 | 5 | 1 | 2 | 1 | 21 |
| 1907 | 10 | 3 | .. | 2 | 3 | .. | 18 |
| 1908 | 1 | 4 | .. | .. | 2 | .. | 7 |
| 1909 | 3 | 8 | 1 | 1 | 1 | .. | 14 |
| 1910 | 4 | 1 | 2 | .. | .. | .. | 7 |
| 1911 | 5 | 4 | 2 | 1 | 1 | .. | 13 |
| 1912 | 3 | 6 | .. | .. | 2 | .. | 11 |
| 1913 | 1 | 7 | 4 | .. | 1 | .. | 13 |
| <i>Totals</i> | 40 | 51 | 18 | 7 | 17 | 1 | 134 |

TUBERCULOSIS OF THE LUNG AND OTHER FORMS OF TUBERCULOSIS.

| Year. | POPULATION. | | NUMBER OF DEATHS. | | | |
|-------|-------------|----------|-------------------|------------------------------------|------------------------------------|------------------------|
| | Males. | Females. | Total. | Tuberculosis of the Lung. | Other Forms of Tuberculosis. | Children (under five). |
| | | | | Males. Females. Total. (all ages). | Males. Females. Total. (all ages). | Phthisis. O.T.D. |
| 1904 | 45174 | 51834 | 97008 | 65 45 110 | 34 43 77 | 4 48 |
| 1905 | 45785 | 52535 | 98320 | 64 58 122 | 42 40 82 | 7 55 |
| 1906 | 46403 | 53243 | 99646 | 73 53 126 | 26 38 64 | 6 40 |
| 1907 | 47027 | 53959 | 100986 | 71 52 123 | 30 31 61 | 3 43 |
| 1908 | 47657 | 54082 | 102339 | 65 55 120 | 45 45 90 | 3 65 |
| 1909 | 48294 | 55412 | 103706 | 75 59 134 | 31 30 61 | 5 42 |
| 1910 | 48937 | 56150 | 105087 | 84 55 139 | 45 41 86 | 9 54 |
| 1911 | 50917 | 57776 | (1) 108693 | 76 60 136 | 29 25 54 | 6 26 |
| 1912 | 51895 | 58886 | 110781 | 71 64 135 | 25 25 50 | 2 27 |
| 1913 | 52691 | 59789 | 112480 | 78 72 150 | 30 28 58 | 2 38 |

(1) Census Returns.

O.T.D.—Other Tubercular Diseases.

DEATHS FROM TUBERCULAR DISEASES.

| <i>Age periods.</i> | -1 | 1-2 | 2-5 | 5-15 | 15-25 | 25-45 | 45-65 | 65 & up- wards | <i>Totals</i> |
|--------------------------------------|----|-----|-----|------|-------|-------|-------|----------------------|---------------|
| Pulmonary Tuberculosis | 1 | - | 1 | 8 | 32 | 67 | 37 | 4 | 150 |
| Other Tubercu- lar Diseases . . . | 10 | 13 | 15 | 9 | 3 | 4 | 4 | - | 58 |
| Totals | 11 | 13 | 16 | 17 | 35 | 71 | 41 | 4 | 208 |

Mortality Returns per 1,000,000 Persons Living.

| <i>Year.</i> | TUBERCULOSIS OF THE LUNG. | | | OTHER FORMS OF TUBERCULOSIS. | | |
|--------------------|-----------------------------|-------------------------------|--|------------------------------|-------------------------------|------------------------------|
| | <i>Males</i> (all ages). | <i>Females</i> (all ages). | | <i>Males</i> (all ages). | <i>Females</i> (all ages). | <i>Children</i> (under 5) |
| 1900 | 1955 | 1488 | | 743 | 936 | 4892 |
| 1901 | 1715 | 1305 | | 490 | 474 | 3109 |
| 1902 | 1842 | 1427 | | 682 | 278 | 2983 |
| 1903 | 1885 | 1212 | | 808 | 645 | 3607 |
| 1904 | 1439 | 868 | | 753 | 830 | 4496 |
| 1905 | 1398 | 1104 | | 917 | 761 | 5082 |
| 1906 | 1573 | 995 | | 560 | 714 | 3647 |
| 1907 | 1510 | 964 | | 638 | 575 | 3869 |
| 1908 | 1364 | 1006 | | 944 | 823 | 5774 |
| 1909 | 1553 | 1065 | | 642 | 541 | 3684 |
| 1910 | 1716 | 979 | | 919 | 730 | 4609 |
| 1911 | 1492 | 1038 | | 569 | 433 | 2173 |
| 1912 | 1368 | 1086 | | 482 | 424 | 2428 |
| 1913 | 1480 | 1204 | | 569 | 468 | 4239 |
| Averages .. | 1592 | 1124 | | 694 | 617 | 3900 |

Measles and Whooping Cough.

Forty-four deaths occurred during the year due to these two diseases, of which 31 were due to measles and 13 to whooping cough. The following tables give the age and sex of the fatal cases :—

MEASLES.

| <i>Age-periods.</i> | <i>Males.</i> | <i>Females.</i> | <i>Total.</i> |
|---------------------|---------------|-----------------|---------------|
| Under 1 year..... | 4 | .. | 4 |
| 1 to 2..... | 9 | .. | 16 |
| 2 to 5..... | 5 | .. | 6 |
| 5 to 15..... | 2 | .. | 5 |
| Total..... | 20 | .. | 31 |

WHOOPING COUGH.

| <i>Age-periods.</i> | <i>Males.</i> | <i>Females.</i> | <i>Total.</i> |
|---------------------|---------------|-----------------|---------------|
| Under 1 year..... | 4 | .. | 6 |
| 1 to 2..... | 1 | .. | 4 |
| 2 to 5..... | — | .. | 2 |
| 5 to 15..... | — | .. | 1 |
| Total..... | 5 | .. | 13 |

The death-rate from these two diseases was equal to .41 per thousand of the population, as compared with .85 for the year 1912.

Appended is a statement of the number of deaths due to measles and whooping cough continued from previous reports :—

| <i>Year.</i> | <i>Deaths due to Measles and Whooping Cough.</i> | <i>Deaths due to remainder of the Zymotic Diseases except Diarrhœa.</i> |
|--------------|--|---|
| 1893..... | 70 | 94 |
| 1894..... | 4 | 32 |
| 1895..... | 116 | 53 |
| 1896..... | 51 | 55 |
| 1897..... | 111 | 43 |
| 1898..... | 73 | 35 |
| 1899..... | 124 | 24 |
| 1900..... | 65 | 37 |
| 1901..... | 64 | 56 |
| 1902..... | 69 | 54 |
| 1903..... | 90 | 54 |
| 1904..... | 73 | 61 |
| 1905..... | 50 | 23 |
| 1906..... | 105 | 20 |
| 1907..... | 67 | 38 |
| 1908..... | 96 | 35 |
| 1909..... | 59 | 43 |
| 1910..... | 77 | 20 |
| 1911..... | 44 | 23 |
| 1912..... | 89 | 27 |
| 1913..... | 44 | 25 |

Cancer.

The number of deaths from cancer registered during the year was 114, of which 52 were among males and 62 among females. Of these deaths 92, or 80.7 per cent., were above the age of 45. Ten deaths were due to sarcoma.

The following list gives the deaths from cancerous diseases and the parts affected :—

| | <i>Males.</i> | <i>Females.</i> |
|-----------------------|---------------|-----------------|
| Jaw..... | — | 2 |
| Tongue..... | 3 | — |
| Neck..... | 7 | 3 |
| Face..... | 5 | 1 |
| Stomach..... | 10 | 9 |
| Intestines..... | 12 | 4 |
| Liver..... | 5 | 6 |
| Pancreas..... | 3 | 2 |
| Rectum..... | 2 | 3 |
| Larynx..... | 1 | — |
| Breast..... | — | 13 |
| Uterus..... | — | 12 |
| Bladder..... | 1 | 1 |
| Bone..... | 1 | 2 |
| Other localities..... | 2 | 4 |
| | — | — |
| Total..... | 52 | 62 |
| | — | — |

Infantile Mortality.

There were 380 deaths of children under one year of age registered in the Borough during the year. Calculated on the number of infants born during the year, viz., 2606, this gives an infant mortality rate of 145.8 per thousand births, as compared with 109 in 1912, and 172 in 1911.

The majority of these deaths fall in three main groups :—

| | |
|---|-----|
| Prematurity, atrophy, and debility..... | 148 |
| Diarrhoeal diseases and convulsions..... | 111 |
| Respiratory and tuberculous diseases..... | 58 |

Sixty-six, or 17 per cent., of the 380 deaths under one year of age were due to premature birth. Although intentional action, alcoholic excess and carelessness, are undoubtedly responsible in some of these cases, it is probable that employment during pregnancy is the approximate cause of the large number of premature births. The fatigue caused by prolonged hours in a confined atmosphere, extending over a period when there is the greatest draw upon the physical endurance of the mother, and when it is most necessary that vital energy should be conserved rather than dissipated, can only result in an unnatural strain detrimental to both mother and child, and in many cases resulting in miscarriages, still births and prematurity, as well as in conditions leading to recurrent difficulties in child-birth.

It should be made compulsory that every pregnant employee should cease work for three months before the birth of her child, and should not be allowed to resume work until the expiration of six months afterwards and in cases where poverty has caused the woman to seek employment the necessary financial aid to tide over this period should be supplied.

The need for a greater knowledge of motherhood and for the greater medical supervision of babies from birth to the school-age is becoming more appreciated, and leading to the establishment throughout the country of schools for mothers.

At these valuable institutions regular weighing of babies is undertaken, medical consultations for ailing infants, and classes in hygiene, infant-care, garment making, etc., are held. Such institutions properly co-ordinated with public health work cannot fail to have a beneficial effect on infant mortality, and for this reason I welcome the school which has recently been established here for this purpose.

Diarrhoea and enteritis became epidemic during the summer months, resulting in the death of 98 infants under one year of age; this accounts for the higher infant mortality during this year than during 1912, and also largely accounts for the increase in the general death-rate of 1913 over that of the previous year. The rainfall during the months of July and August amounted to 2.89 inches in 1913, as compared with 11.3 inches during the same months of 1912, while the number of deaths from diarrhoea was 98 in 1913, as compared with 22 in 1912.

These two remarkable contrasts bear out the invariable experience that the death-rate from zymotic diarrhoea varies inversely with the rainfall. The absence of rain, associated with warm weather, causes the development and dissemination of the micro-organisms which produce this disease to proceed apace in the immediate vicinity of dwellings with unclean environment; the surface of unpaved back-yards, covered as it must be with organic pollution, becomes a medium and a hot-bed for the development of the germs of summer diarrhoea. The dissemination of these germs by means of dust and flies leads to the pollution of food, and especially of the baby's milk, and the consequent outbreak of this disease in an epidemic form.

Too much stress cannot be laid upon the necessity for clean environment of the dwellings of the working classes. Back-yards should be properly paved, no dirt, house or stable refuse should be allowed to accumulate long enough to become the breeding ground of the house-fly, and weekly removal of refuse, together with a frequent swilling of properly paved yards and surroundings in warm dry weather must be insisted upon.

Although apparently it is not borne in upon the minds of the ignorant that dirt and disease are so intimately associated, it is unfortunate that among many of the lowest classes a knowledge of the dependence of health upon cleanliness, imparted by doctors, nurses, inspectors, and other social agents, appears to produce little or no effect. Here is the folly of wisdom, and it is upon the extent to which such people can be persuaded or compelled to rise to a sense of decent clean living by the continuous and steady pressure of these social agencies that we must hope for an improvement in the infant and general death-rate in the lower and more densely populated areas of the town.

In this connection I would lay stress on the necessity of more efficient road scavenging. Dry sweeping of streets simply causes clouds of dust, consisting of dried excreta and other germ-laden offensive matter, to rise into the atmosphere, and not infrequently to settle upon exposed articles of food. Apart from this possible method of causing disease the inhalation of dust produces and predisposes to bronchitis and other lung diseases.

The more extensive use of water in dry weather by means of water-carts, and of the hose pipe from a hydrant where possible, combined with the co-operation of the street sweepers, would lead to a definite improvement in the condition of the public highways, and be a valuable preventive measure in certain diseases associated with dust.

TABLE IV.
COUNTY BOROUGH OF STOCKPORT.
INFANT MORTALITY.

1913. Nett Deaths from stated causes at various Ages under 1 Year of Age.

| CAUSE OF DEATH. | | | Under 1 week. | 1-2 weeks. | 2-3 weeks. | 3-4 weeks. | Total under 4 weeks. | 4 weeks and under 3 months. | 3 months and under 6 months. | 6 months and under 9 months. | 9 months and under 12 months. | Total Deaths under 1 year. |
|--|--------------|--|---------------|------------|------------|------------|----------------------|-----------------------------|------------------------------|------------------------------|-------------------------------|----------------------------|
| All causes | Certified. | | 63 | 23 | 20 | 9 | 115 | 66 | 91 | 60 | 48 | 380 |
| | Uncertified. | | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... |
| { Small-pox | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| { Chicken-pox | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| { Measles | | | ... | ... | ... | ... | ... | ... | ... | 1 | 3 | 4 |
| { Scarlet fever... .. | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| { Whooping-cough | | | ... | ... | ... | ... | ... | 2 | 2 | ... | 2 | 6 |
| { Diphtheria and Croup | | | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| { Erysipelas | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| { Tuberculous Meningitis | | | ... | ... | ... | ... | ... | ... | 3 | 2 | 1 | 6 |
| { Abdominal Tuberculosis | | | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 |
| { Other Tuberculous Diseases | | | ... | ... | ... | ... | ... | ... | 1 | 1 | 2 | 4 |
| { Meningitis (<i>not Tuberculous</i>) | | | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| { Convulsions | | | 2 | 2 | ... | 1 | 5 | 2 | 2 | 3 | 1 | 13 |
| { Laryngitis | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| { Bronchitis | | | ... | 1 | ... | ... | 1 | 7 | 4 | 8 | 2 | 22 |
| { Pneumonia (all forms) | | | ... | 1 | 1 | 1 | 3 | 2 | 8 | 5 | 7 | 25 |
| { Diarrhoea | | | ... | ... | 2 | ... | 2 | 3 | 21 | 14 | 8 | 48 |
| { Enteritis | | | ... | 1 | ... | 1 | 2 | 11 | 18 | 10 | 9 | 50 |
| { Gastritis | | | 1 | ... | 2 | ... | 3 | ... | 3 | 2 | ... | 8 |
| { Syphilis | | | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 |
| { Rickets | | | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 |
| { Suffocation, overlying | | | 1 | ... | ... | ... | 1 | 2 | ... | ... | ... | 3 |
| { Injury at birth | | | 1 | 1 | ... | ... | 2 | ... | ... | ... | ... | 2 |
| { Atelectasis | | | 4 | ... | ... | 1 | 5 | 1 | ... | ... | ... | 6 |
| { Congenital Malformations | | | 4 | 3 | 2 | ... | 9 | 4 | 2 | ... | 2 | 17 |
| { Premature birth | | | 41 | 5 | 6 | 2 | 54 | 7 | 2 | 3 | ... | 66 |
| { Atrophy, Debility, and Marasmus | | | 7 | 9 | 6 | 1 | 23 | 22 | 23 | 7 | 7 | 82 |
| { Other Causes | | | 2 | ... | 1 | 2 | 5 | 2 | ... | 3 | 3 | 12 |
| | | | 63 | 23 | 20 | 9 | 115 | 66 | 91 | 60 | 48 | 380 |

| | | | | |
|-------------------------|----------------|------|------|--------|
| | | M. | F. | Total. |
| Nett Births in the year | { legitimate | 1297 | 1215 | 2512 |
| | { illegitimate | 44 | 50 | 94 |

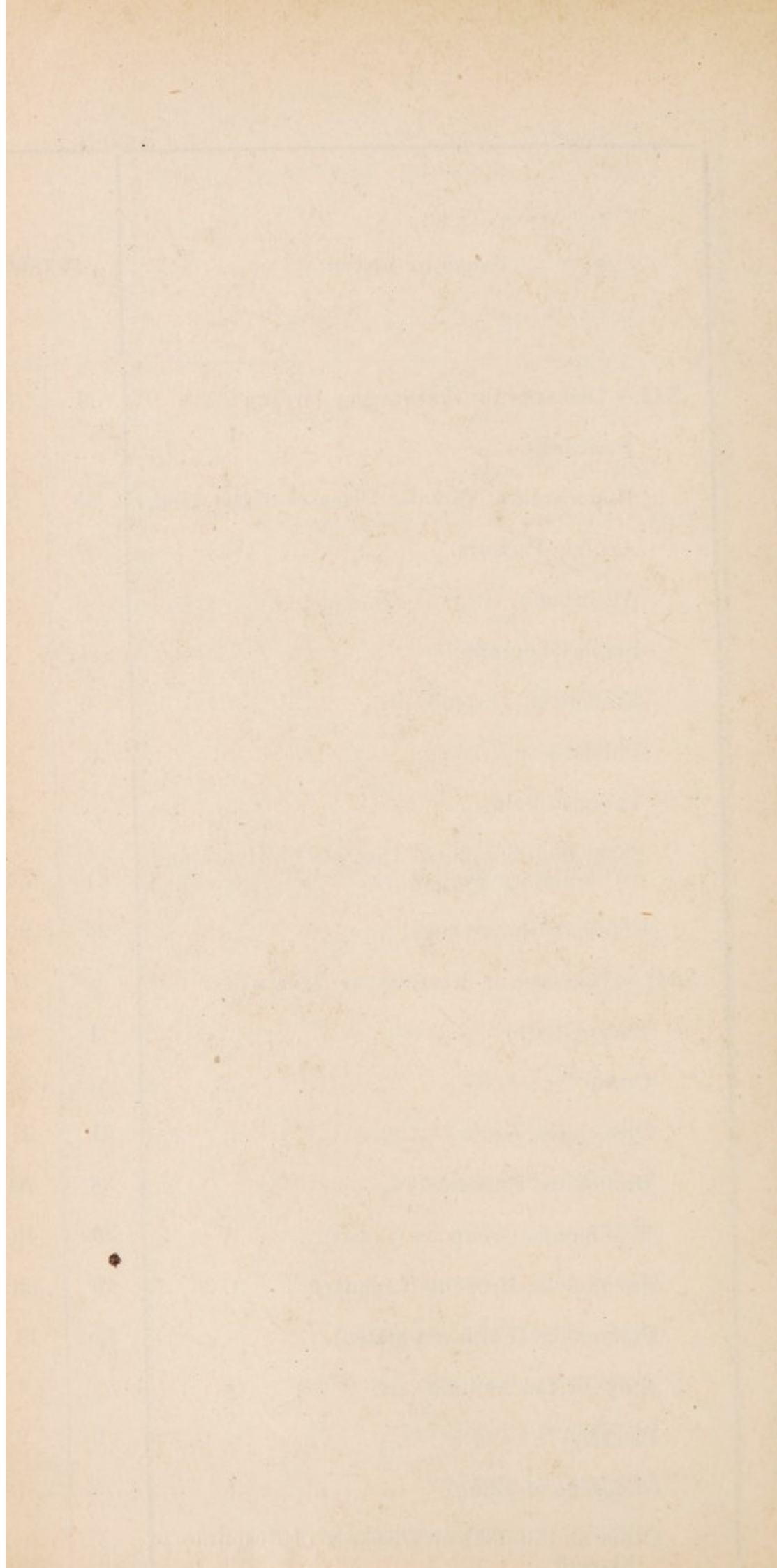
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| | | | | |
|----------------------------|------------------------|-----|-----|--------|
| | | M. | F. | Total. |
| Nett Deaths in the year of | { legitimate infants | 211 | 153 | 364 |
| | { illegitimate infants | 5 | 11 | 16 |

380

DEATHS REGISTERED UNDER ONE YEAR OF AGE
DURING EACH MONTH OF THE YEARS 1906-1913.

| <i>Month.</i> | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| January | 38 | 33 | 27 | 22 | 26 | 23 | 29 | 16 |
| February | 25 | 30 | 31 | 29 | 29 | 27 | 27 | 26 |
| March | 40 | 46 | 21 | 41 | 29 | 24 | 33 | 40 |
| April | 29 | 38 | 23 | 25 | 35 | 27 | 21 | 24 |
| May | 29 | 27 | 35 | 26 | 33 | 27 | 17 | 31 |
| June | 21 | 27 | 25 | 18 | 29 | 20 | 22 | 24 |
| July | 29 | 26 | 25 | 21 | 25 | 19 | 25 | 19 |
| August | 68 | 27 | 84 | 33 | 22 | 116 | 17 | 37 |
| September | 112 | 44 | 66 | 28 | 28 | 54 | 18 | 52 |
| October | 48 | 53 | 64 | 36 | 44 | 40 | 14 | 42 |
| November..... | 27 | 40 | 58 | 44 | 28 | 22 | 37 | 36 |
| December | 35 | 40 | 30 | 39 | 42 | 39 | 16 | 33 |
| Totals | 501 | 431 | 489 | 362 | 370 | 438 | 276 | 380 |
| Infantile Mor- tality, per 1,000 Births.. | 186 | 158 | 171 | 132 | 137 | 172 | 109 | 146 |
| Total Rainfall.. | 23.30 | 31.44 | 34.23 | 37.43 | 34.61 | 29.25 | 38.67 | 29.62 |
| Maximum Tem- perature of 4 ft. earth Thermometer | 58 | 56 | 57 | 54 | 55 | 59 | 55 | 55 |



| <i>Week ending 1913.</i> | <i>DIARRHŒA DEATHS.</i> | | | <i>General Death-rate.</i> |
|----------------------------------|-----------------------------------|--|------------------------------------|--------------------------------|
| | <i>Under One year of age.</i> | <i>Over One and under Five years of age.</i> | <i>Over Five years of age.</i> | |
| 1913. | | | | |
| Jan. 18 | 1 | .. | .. | 15.69 |
| Feb. 8 | 2 | .. | .. | 17.16 |
| Mar. 8 | 2 | .. | .. | 19.61 |
| „ 15 | 2 | .. | .. | 19.12 |
| May 17 | .. | .. | .. | 17.16 |
| „ 31 | 1 | .. | .. | 16.18 |
| June 14 | 2 | 1 | .. | 14.72 |
| „ 28 | 1 | .. | .. | 16.67 |
| July 5 | 1 | .. | .. | 17.65 |
| „ 12 | .. | 1 | .. | 19.12 |
| Aug. 2 | 2 | .. | .. | 17.16 |
| „ 9 | 1 | 2 | .. | 14.72 |
| „ 16 | 6 | .. | 1 | 19.61 |
| „ 23 | 5 | .. | .. | 12.75 |
| „ 30 | 5 | .. | .. | 16.18 |
| Sept. 6 | 6 | 6 | 1 | 20.10 |
| „ 13 | 8 | 3 | .. | 16.18 |
| „ 20 | 8 | 3 | .. | 17.16 |
| „ 27 | 14 | 2 | .. | 25.01 |
| Oct. 4 | 8 | 2 | 1 | 21.09 |
| „ 11 | 2 | .. | .. | 17.65 |
| „ 18 | 9 | 2 | .. | 19.61 |
| „ 25 | 4 | 1 | .. | 15.20 |
| Nov. 1 | 2 | 1 | .. | 18.63 |
| „ 8 | 1 | .. | .. | 12.26 |
| „ 15 | 1 | .. | .. | 19.12 |
| „ 22 | 1 | 1 | .. | 12.75 |
| Dec. 6 | .. | 1 | .. | 14.72 |
| „ 13 | 1 | .. | .. | 17.65 |
| „ 27 | 1 | 1 | .. | 20.60 |

THE HISTORY OF THE UNITED STATES OF AMERICA

THE HISTORY OF THE UNITED STATES OF AMERICA

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PART II.

Departmental.



District Sanitary Inspectors' Work.

A summary of the work carried out by your District Sanitary Inspectors during the year 1913 is appended herewith:—

A large amount of the District Inspectors' work consists of the inspection of closed courts and yards, of privy-middens and work in connection with the conversion of these, as well as the constant supervision of water-closets in districts of the town where these conveniences are improperly used, and cause constant annoyance to owners as well as danger to tenants, owing to the choked condition which arises through neglect and carelessness.

The importance of these inspections as a means of impressing upon the more careless inhabitants in the poorer districts the necessity of cleanliness both in and around their dwelling houses, and of insisting on the removal of all offensive accumulations, is very great; and where, after distribution in the hot weather of leaflets advising precautionary measures against the spread of summer diarrhoea, no efforts are made on the part of the tenants to clean their houses or premises, continual re-visitation appears to be the only means of protecting these people as it were against themselves.

1,032 dwelling houses were inspected, and 650 re-visits made to these. In 115 cases repairs of a minor character, which would not come under the Housing Acts, were carried out; and in 28 cases cleansing and repapering was required.

946 visits were made in connection with privy-middens, and 2,876 re-inspections were made in connection with the abolition of these and the substitution of water-closets.

Of infectious disease 681 cases were inquired into, including 180 of phthisis, and 135 other forms of tuberculosis.

Your Inspectors removed 175 cases to the hospital.

In connection with home cases 321 visits were made to see that satisfactory isolation was carried out in the 54 cases of scarlet fever, 23 cases of typhoid fever, and the 51 cases of diphtheria which were not removed to the hospital.

Seventeen cases of overcrowding were abated.

Summary of Work done by District Inspectors, 1913.

| | DISTRICTS. | | | | Total. |
|---|------------|-------|-------|-------|--------|
| | No. 1 | No. 2 | No. 3 | No. 4 | |
| SPECIAL COMPLAINTS RECEIVED..... | 10 | 27 | 18 | 15 | 70 |
| INSPECTIONS MADE :— | | | | | |
| Dwelling-houses..... | 470 | 204 | 250 | 108 | 1032 |
| Re-visits to dwelling-houses..... | 285 | 195 | 110 | 60 | 650 |
| Male Outworkers..... | 2 | 10 | 1 | 7 | 20 |
| Courts and Yards..... | 492 | 413 | 342 | 481 | 1728 |
| Privy Middens..... | 301 | 137 | 191 | 317 | 946 |
| Re-inspections to Privy Middens and work in progress respecting Conversions..... | 785 | 768 | 660 | 663 | 2876 |
| Drainage..... | 645 | 552 | 716 | 385 | 2298 |
| Water Closet Inspections..... | 462 | 694 | 466 | 619 | 2241 |
| Water Courses..... | 1 | 3 | . | 1 | 5 |
| Miscellaneous..... | 513 | 652 | 220 | 412 | 1797 |
| Interviews with Owners, Contractors, etc., re Sanitary Alterations..... | 170 | 207 | 326 | 134 | 837 |
| INFECTIOUS DISEASE :— | | | | | |
| Cases inquired into..... | 133 | 80 | 85 | 68 | 366 |
| Cases removed to Hospital..... | 64 | 44 | 36 | 31 | 175 |
| Houses Disinfected..... | 105 | 66 | 107 | 75 | 353 |
| Schools and other Public Institutions Dis- infected..... | . | 4 | 3 | . | 7 |
| Re-visits to Cases isolated at Home..... | 145 | 46 | 89 | 41 | 321 |
| Cases of Phthisis inquired into..... | 54 | 46 | 42 | 38 | 180 |
| Cases of Other Tubercular Diseases inquired into..... | 45 | 29 | 36 | 25 | 135 |
| PRIVIES, WATER CLOSETS, ETC. :— | | | | | |
| Pails Renewed..... | 5 | . | . | . | 5 |
| Privies converted into Water Closets..... | 108 | 181 | 246 | 179 | 714 |
| Pail Closets converted into Water Closets..... | 5 | 2 | . | . | 7 |
| Waste Water Closets converted into Fresh Water Closets..... | . | . | 5 | 2 | 7 |
| Additional Water Closets provided..... | 13 | 15 | 12 | 4 | 44 |
| Dustbins provided where Middens abolished..... | 149 | 231 | 300 | 209 | 889 |
| Ashpits abolished..... | 35 | 15 | 16 | 14 | 80 |
| Dustbins provided where Ashpits abolished..... | 61 | 47 | 50 | 20 | 178 |
| Dustbins renewed..... | 65 | 90 | 24 | 48 | 227 |
| Water Closets cleansed (by Owners)..... | 13 | 36 | 28 | 35 | 112 |
| Water Closets cleansed (by Occupiers)... | 1 | 12 | 28 | 6 | 47 |
| Water Closet Basins or Pedestals renewed..... | 17 | 16 | 5 | 13 | 51 |
| Water Closet Connections repaired..... | 4 | 4 | 29 | 10 | 47 |
| Water Supply Pipes or Cisterns to Water Closets repaired..... | 26 | 26 | 14 | 31 | 97 |

| | DISTRICTS. | | | | Total |
|---|------------|-------|-------|-------|-------|
| | No. 1 | No. 2 | No. 3 | No. 4 | |
| Water Courses Cleansed..... | . | . | . | . | . |
| Houses Cleansed, Repapered, or Lime-washed..... | 6 | 13 | 9 | . | 28 |
| Houses Repaired..... | 26 | 12 | 66 | 11 | 115 |
| Overcrowding Abated..... | 3 | 9 | 3 | 2 | 17 |
| Sink Waste Pipes Renewed or Repaired.. | 35 | 97 | 33 | 54 | 219 |
| Downspouts or Eaves Gutters Renewed or Repaired..... | 210 | 168 | 208 | 199 | 785 |
| House Drains Tested..... | 4 | 15 | 5 | 24 | 48 |
| House Drains and Drains to Water Closets Reconstructed or Repaired..... | 217 | 231 | 328 | 291 | 1067 |
| New Gully Traps Fixed..... | 150 | 306 | 225 | 215 | 896 |
| Ventilating Shafts Fixed on Drains..... | 33 | 66 | 67 | 56 | 222 |
| Yards, Courts or Passages Drained or Drains Repaired..... | 65 | 85 | 156 | 73 | 379 |
| Yards, Courts or Passages Paved or Repaired..... | 112 | 147 | 237 | 140 | 636 |
| Yards, Courts or Passages Cleansed by Occupiers..... | 1 | 18 | 45 | 10 | 74 |
| Animals Improperly Kept—Removed... | 1 | 4 | 3 | 5 | 13 |
| Accumulations Removed..... | 10 | 17 | 6 | 4 | 37 |
| Manure Pits Provided or Repaired..... | . | 2 | . | . | 2 |
| Notices (Informal) Served..... | 297 | 340 | 296 | 345 | 1278 |

Number and list of statutory notices served during the year in the respective districts :—

| <i>Notice.</i> | <i>Dist. No. 1.</i> | <i>Dist. No. 2.</i> | <i>Dist. No. 3.</i> | <i>Dist. No. 4.</i> | <i>Total.</i> |
|---|-------------------------|-------------------------|-------------------------|-------------------------|---------------|
| Section 36, Public Health Act, 1875 | 18 | 4 | 14 | 19 | 55 |
| Section 94, do., do. | 16 | 19 | 8 | 4 | 47 |
| Section 25, Stockport Corporation Act, 1905 | 26 | 10 | 14 | 21 | 71 |
| Section 58, do., do. 1899 and Section 23, do., do. 1905 | 7 | 6 | 14 | 1 | 28 |

Conversion of Privy-Middens.

During the year 1913, 714 privy-middens were converted to water-closets, as compared with 571 in the previous year.

1,067 dust-bins have been provided where midden-ashpits and separate ashpits have been abolished.

The following table gives the details in connection with this work:—

CONVERSIONS, ADDITIONAL WATER-CLOSETS, &c., PROVIDED DURING 1913.

| <i>District.</i> | <i>Privies converted to W.C.'s.</i> | <i>Additional W.C.'s provided.</i> | <i>Pail Closets converted into W.C.'s.</i> | <i>Waste Water Closets converted into W.C.'s.</i> | <i>Privies and Privy Middens abolished.</i> | <i>Dustbins provided where Middens abolished.</i> | <i>Ashpits abolished.</i> | <i>Dustbins provided where Ashpits abolished.</i> |
|------------------|-------------------------------------|------------------------------------|--|---|---|---|---------------------------|---|
| No. 1..... | 108 | 13 | 5 | — | 171 | 149 | 35 | 61 |
| No. 2..... | 181 | 15 | 2 | — | 289 | 231 | 15 | 47 |
| No. 3..... | 246 | 12 | — | 5 | 381 | 300 | 16 | 50 |
| No. 4..... | 179 | 4 | — | 2 | 289 | 209 | 14 | 20 |
| Total..... | 714 | 44 | 7 | 7 | 1130 | 889 | 80 | 178 |

Detailed inquiry into the existing sanitary accommodation has been made in each district, and the information given in the following table has been obtained :—

EXISTING SANITARY ACCOMMODATION.

| <i>Districts.</i> | <i>No. of Privy Seats.</i> | <i>No. of Privy Ashpits.</i> | <i>No. of Separate Ashpits.</i> | <i>No. of Waste Water Closets.</i> | <i>No. of Pails.</i> | <i>Satis- factory Water Closets.</i> |
|-------------------|------------------------------------|--------------------------------------|---|--|--------------------------|--|
| No. 1 | 553 | 283 | 250 | 86 | 251 | } 17,761 |
| „ 2 | 729 | 408 | 390 | 84 | 21 | |
| „ 3 | 1190 | 706 | 631 | 467 | 12 | |
| „ 4 | 829 | 517 | 342 | 144 | 22 | |
| Total... | 3301 | 1914 | 1613 | 781 | 306 | |

OFFENSIVE WATER-COURSE AT WOODSMOOR.

This water-course still continues to be a nuisance owing to the fact that sewage is still discharging into it.

From the back of Buxton Road as far as the south side of the London and North-Western Railway it is entirely covered in. From this point it runs as an open sewer along the railway for about 60 yards. Here, and at the point where it leaves the railway, and commences to cross the fields, it gives rise to a considerable nuisance in the neighbourhood, and especially to the tenants of Linden Grove, which is not more than 30 yards from the water-course.

This nuisance was referred to in my Annual Report of 1911. Since then the drainage of five premises has been disconnected from the water-course, and conveyed into the sewers in Buxton Road and Poplar Grove. In some cases entire re-drainage was carried out. Five new connections to the Buxton Road sewer were also provided for the remaining premises.

Considerable technical and legal difficulties have had to be overcome in connection with this work, and in the case of two properties legal proceedings were taken under Sections 91-94 of the Public Health Act to enforce re-drainage.

Although 22 houses were draining into the water-course at the end of the year 1913, a large amount of work has since been done, and with the co-operation of the Surveyor's Department, it is hoped that in a relatively short time the stream will be rendered entirely free from sewage pollution without recourse to legal procedure.

Work of Female Sanitary Inspectors.

From the summary of the work of the Female Sanitary Inspectors it will be seen that 1,614 visits to births have been made during the year. These visits are carried out immediately after the birth is notified to the Medical Officer of Health; and as the Notification of Births Act requires this to be done within 36 hours after the child is born, advice of a practical nature as to feeding, clothing, and general management of the baby is conveyed to the mother at the earliest possible moment. These visits are followed up in order to see that the advice given is being carried out, and in this connection the large number of 2,793 re-visits have been made.

1,222 visits to non-notifiable infectious diseases, consisting of measles, whooping cough, chicken-pox, mumps, etc., were made during the year. These cases are notified through the School Attendance Department.

Seventy-one lectures on infant hygiene were given by the Female Sanitary Inspectors to the elder girl scholars in the elementary schools.

219 infant deaths were inquired into, of which 86 were deaths from diarrhoea. Many visits were made in connection with summer diarrhoea, special advice being given by the Health Visitors, and a large number of precautionary leaflets were distributed during the hot summer months.

FEMALE SANITARY INSPECTORS' SUMMARY OF WORK.

| | 1913. |
|--|-------|
| Visits | 7043 |
| Re-visits | 2230 |
| Detailed Inspections | 512 |
| Non-notifiable Infectious Diseases | 1222 |
| Informal Notices | — |
| Reported to District Inspectors | 81 |
| Schools | 88 |
| Midwives | 329 |
| Outworkers | 116 |
| Lectures | 71 |
| Overcrowding abated | — |
| Houses cleansed | 92 |
| Births, First Visits | 1614 |
| ,, Re-visits | 2793 |
| Deaths from all causes | 219 |
| Workshops | 7 |
| Deaths from Diarrhoea | 86 |

| | BREAST-FED. | | PARTIALLY BREAST-FED. | | ARTIFICIALLY-FED. | |
|---|-----------------|--------------------------|-----------------------|--------------------------|-------------------|---------------------------|
| | HEALTHY. | .. DELICATE. | HEALTHY. | .. DELICATE. | HEALTHY. | .. DELICATE. |
| 1905 | 887 or 98.2% | .. 16 or 1.8% 903. | 67 or 79.8% | .. 17 or 20.2% 84. | 108 or 48.2% | .. 116 or 51.8% 224. |
| 1906 | 640 or 98.6% | .. 13 or 1.4% 653. | 57 or 59.1% | .. 14 or 40.9% 71. | 89 or 45.6% | .. 106 or 54.4% 195. |
| 1907 | 1200 or 98.6% | .. 16 or 1.4% 1216. | 142 or 81.1% | .. 33 or 18.9% 175. | 158 or 48.9% | .. 165 or 51.1% 323. |
| 1908 | 1827 or 98.0% | .. 38 or 2.0% 1865. | 85 or 80.2% | .. 21 or 19.8% 106. | 89 or 47.6% | .. 98 or 52.4% 187. |
| 1909 | 2321 or 97.35% | .. 63 or 2.65% 2384 | 129 or 78.18% | .. 36 or 21.82% 165. | 143 or 50.7% | .. 139 or 49.3% 282. |
| 1910 | 1235 or 92.16% | .. 105 or 7.84% 1340. | 265 or 82.04% | .. 58 or 17.96% 323 | 358 or 53.35% | .. 313 or 46.65% 671 |
| 1911 | 584 or 96.05% | .. 24 or 3.95% 608 | 110 or 81.48% | .. 25 or 18.52% 135 | 82 or 52.22% | .. 75 or 47.78% 157 |
| 1912 | 649 or 96.29% | .. 25 or 3.71% 674. | 111 or 85.38% | .. 19 or 14.62% 130. | 114 or 58.16% | .. 82 or 41.84% 196. |
| 1913 | 724 or 96.2% | .. 29 or 3.8% 753. | 90 or 74.4% | .. 31 or 25.6% 121. | 97 or 43% | .. 129 or 57% 226. |
| TOTAL for the nine years | 10067 or 96.83% | .. 329 or 3.17% 10396 | 1056 or 89.6% | .. 254 or 19.4% 1310. | 1238 or 50.3% | .. 1223 or 49.7% 2461. |

Notification of Births Act.

This Act was adopted by the Council, and came into operation in March, 1908, the object of the Act being to enable Health Authorities to give help and advice in suitable cases where a birth has occurred at a time when it is most necessary, that is to say, within the first few days of the child's life.

In the case of every child born in an area in which the Act is adopted, it is the duty of the father of the child, or of any person in attendance upon the mother at the time of or within six hours after the birth, to give notice in writing of the birth to the Medical Officer of Health within 36 hours after the child is born.

Notification under this Act is in addition to the ordinary registration of births; the latter, however, may occur at any time within 42 days of such birth, and without early notification it frequently happens that six or seven weeks elapse before information reaches the Health Department, so that in some instances the child has died before any help could have been given from the Health Department.

The dual system now in force of notification of births to the Medical Officer of Health as well as ordinary registration is unnecessary, and this redundancy might be avoided by amending the Births and Deaths Registration Act of 1874, which requires that deaths should be registered within 5 days and births within 42 days, so that both births and deaths are notified to the District Registrar within 5 days following the birth or the death by the nearest relative, or in default of relatives by some person present at the birth or the death.

By this means the Notification of Births Act, which exists entirely as a means of preventing infant mortality, would be unnecessary, and the Registration Act, which was passed almost entirely for statistical purposes, would enable Health Authorities, by obtaining the lists of births from the Registrars, to carry out the same work in the direction of the prevention of infant mortality as is at present carried out under the Notification of Births Act of 1907.

With regard to the method of notification, a large number of cases attended by medical men have been notified by the father of the child, to whom a card has been handed by the doctor with a request to notify.

In the cases attended by midwives, I have as far as possible insisted on notification by the midwife, as in these cases a visit from the Female Sanitary Inspector follows as a routine measure.

It is satisfactory to record that 99 per cent. of the total births occurring in the Borough are notified under this Act, and in some cases more than one notification has been received in respect of a birth. In every case of late notification and non-notification letters are written to the persons making default, and an explanation received.

The following are details of the births notified under this Act:—

| | |
|-------------------------------------|------|
| By midwives | 2230 |
| „ medical practitioners | 266 |
| „ other persons | 274 |
| Number of cases notified late | — |
| Number of cases not notified | 31 |

Midwives Act, 1902.

The number of midwives who gave notice of their intention to practice within the Borough during 1913 was 61, including 4 at the Union Hospital and 4 at the Workhouse Infirmary. Four midwives live outside the Borough, but as they attended certain cases within the Borough, they were requested to give notice of their intention to practice within the Borough.

The qualifications of the midwives who practice in the Borough are as follows:—

| | |
|--|----|
| Possessing certificates from the Obstetrical Society of London..... | 7 |
| Possessing certificates from a recognised hospital | 7 |
| Having passed the examination of the Central Midwives Board..... | 16 |
| Enrolled by virtue of having been in bona-fide practice as midwives a year prior to the passing of the Act..... | 31 |
| | — |
| Total..... | 61 |
| | — |

The extent of their practice may be seen from the following numbers:—

| | |
|--|------|
| Number of cases attended by midwives alone..... | 1784 |
| Number of cases attended by midwives together with a doctor..... | 626 |

During the year four midwives attended alone more than 100 cases each, and five attended more than 100 cases each in some of which a medical man was also in attendance. Seven midwives did not attend any cases except in conjunction with a medical man.

The number of notifications of sending for medical help and conditions for which help was required is as follows:—

| | |
|-----------------------------|----|
| Difficult birth | 25 |
| Adherent placenta | 6 |
| Delayed labour | 9 |
| Ruptured perineum | 10 |
| Instruments | 8 |
| Still-born | 13 |
| Premature labour | 6 |
| Rise of temperature | 4 |
| Abnormal presentation | 10 |
| Condition of child | 14 |
| Condition of mother | 13 |
| Abortion | 2 |

Poisons and Pharmacy Act.

The Poisons and Pharmacy Act, 1908, came into operation on the 2nd day of April, 1909. The object of this Act is to regulate the sale of certain substances, and to amend the Pharmacy Act, and two renewals of licences were granted during the year to seed merchants to sell the poisonous substances which Section 2 of the Poisons and Pharmacy Act, 1908, applies, for use exclusively in connection with agriculture and horticulture, subject to their complying to the provisions of the Arsenic Act, 1851, the Pharmacy Act, 1868, and the Regulations made by Order in Council under the Poisons and Pharmacy Act of 1908.

By an Order of the Local Government Board, dated the 10th day of November, 1911, it is now compulsory for a person in the employment of a person who has obtained a licence under Section 2 of the Poisons and Pharmacy Act, 1908, to be registered, and two renewals of licences were granted.

Factory and Workshop Act, 1901.

Eighty-nine visits of inspection have been made during the year to factories in the town for the purpose of ascertaining whether the requirements of the Sanitary Accommodation Order were being satisfactorily complied with. The general conditions of accommodation in this respect in the factories within the Borough are satisfactory, and give little cause for complaint. Nineteen notices were received from H.M. Inspectors of Factories—

Six to provide extra W.C.'s.

Five to erect screens to W.C.'s.

Four to provide ventilation to W.C.'s.

Four to provide light to W.C.'s.

All these notices were at once attended to, and the required work carried out.

In one mill ten new water-closets were erected with an outside open space; in another mill seven water-closets were erected, both cases to meet the requirements for extra hands employed.

Within the Borough there are 682 workshops and workplaces, including 92 bakers and confectioners. 1067 visits have been made during the year to these workshops, special attention being paid at the visits to the cleansing, lime-washing, and ventilation. 15 notifications relating to the occupation of workshops and workplaces have been received from H.M. Inspector of Factories, viz.:—Bakers, 2; wheelwright, 1; dressmakers, 2; tailors, 5; glove maker, 1; cabinet maker, 1; milliners, 2; boot-polish maker, 1.

Altogether 32 new water-closets, viz., 10 for males and 22 for females, were provided at nine factories and workshops in order to comply with the requirements of the Act.

The following is a list of workshops in the Borough:—

| | | | |
|-----------------------|-----|----------------------------|----|
| Coopers..... | 3 | Cyclemakers..... | 3 |
| Dressmakers | 144 | Lathcutter..... | 1 |
| Milliners..... | 46 | Hatbody Makers..... | 14 |
| Boxmakers..... | 3 | Cabinet Makers..... | 22 |
| Shirtmakers..... | 9 | Straw Hat Maker..... | 1 |
| Tailors. | 69 | Blindmake s..... | 7 |
| Paperbag Makers..... | 4 | Organ Builders..... | 2 |
| Shoemakers..... | 61 | Feather Curlers..... | 2 |
| Cloggers..... | 19 | Printers..... | 14 |
| Tinplateworkers | 12 | Curriers..... | 4 |
| Blacksmiths..... | 26 | Ropemakers..... | 5 |
| Brushmakers..... | 2 | Handloom Weavers..... | 11 |
| Coachmakers..... | 3 | Bakers and Confectioners.. | 92 |
| Saddlers..... | 14 | Dyers and Cleaners..... | 3 |
| Joiners..... | 39 | Restaurants..... | 12 |
| Waste Dealers..... | 8 | Coffee Roaster..... | 1 |
| Wheelwrights..... | 9 | Electrical Engineers..... | 2 |
| Filecutter..... | 1 | Photographer | 7 |
| Skipmake s..... | 3 | Paper Packing Makers..... | 2 |
| Polish Maker..... | 1 | Glove Maker..... | 1 |

In the following table the details of the work done in the inspection of factories and workshops are set out :—

1.—INSPECTION.

| <i>Premises.</i> | <i>No. of Inspections</i> | <i>Written Notices.</i> |
|--|-------------------------------|-----------------------------|
| Factories (including factory laundries)..... | 89 | — |
| Workshops (including workshop laundries) | 1067 | — |
| Workplaces | — | — |
| Total | 1156 | — |

2.—DEFECTS.

NUISANCES UNDER PUBLIC HEALTH ACTS.

| | <i>No. of Defects. Found.</i> | <i>Remedied</i> |
|---|---------------------------------------|-----------------|
| Want of cleanliness | — | — |
| Want of ventilation | 4 | 4 |
| Overcrowding | — | — |
| Want of drainage of floors..... | — | — |
| Other nuisances | 5 | 5 |
| Sanitary accommodation insufficient | 6 | 6 |
| " unsuitable or defective ... | 4 | 4 |
| " not separate for sexes | — | — |
| Offences under Factory and Workshop Act :— | | |
| Illegal occupation of underground bakehouse | — | — |
| Breach of special sanitary requirements for bake- houses | — | — |
| Other offences | — | — |
| Total..... | 19 | 19 |

3.—HOME WORK.

| Nature of Work. | Outworkers' List. Section 107. | | | | | | Outwork in unwholesome Premises, Section 108. | | |
|--|--------------------------------|--------------|-------------------|--------------|--|---|---|-----------------|---------------|
| | Lists received from Employers. | | | | Number of Addresses of Out-workers received from other Councils. | Number of Addresses of Out-workers forwarded to other Councils. | Instances. | Notices served. | Prosecutions. |
| | Twice in the Year. | | Once in the Year. | | | | | | |
| | Lists. | Out-workers | Lists. | Out-workers | | | | | |
| | | Con-tractors | Work-men | Con-tractors | Work-men | | | | |
| Wearing Apparel :— | | | | | | | | | |
| (1) Making, etc... | 52 | 20 | 291 | 3 | 4 | 39 | 80 | .. | .. |
| Number of Inspections of Outworkers' Premises..... | | | | | | 136 | .. | .. | .. |

4.—REGISTERED WORKSHOPS.

| <i>Workshops on the Register at the end of the year (s. 131).</i> | <i>Number.</i> |
|---|----------------|
| Workshops | 590 |
| Bakehouses (Including 7 underground)..... | 92 |
| Workshops (domestic) | — |
| Total number of workshops on register..... | 682 |

5.—OTHER MATTERS.

| <i>Class (1).</i> | <i>Number. (2).</i> |
|--|---------------------|
| Matters notified to H.M. Inspector of Factories :— | |
| Failure to affix Abstract of the Factory and Workshop Act (s. 133) | — |
| Notified by H.M. Inspector..... | 19 |
| Reports (of action taken) sent to H.M. Inspector | — |
| Underground bakehouses (s. 101) :— | |
| Certificates granted during the year | — |
| In use at the end of the year | 7 |

| Female Out-Workers. | | Male Out-Workers. | |
|---------------------|-----|------------------------------|-----|
| NATURE OF WORK. | NO. | NATURE OF WORK. | NO. |
| Hat Trimming | 79 | Planking | 18 |
| Shirt Making | 5 | Shoe Making..... | 2 |
| Tailoring | 3 | Boot and Shoe Repairing | 4 |
| Silk Weaving | 2 | Tailoring | 3 |
| Overall Making..... | 1 | Silk Weaving..... | 1 |
| Underclothing..... | 1 | | |
| | 91 | | 28 |

Smoke Observations.

During the year 234 observations of smoke emission from the chimneys of factories in the town have been taken.

In 24 instances in which black smoke was emitted for more than three minutes during an observation of two hours, the following letter of warning was sent:—

Sir,

I am directed by the Health Committee to call your attention to the fact that black smoke is being emitted from time to time from the chimney of your premises at.....in such quantities as to be a nuisance and injurious to health, and I shall be glad if you will take immediate steps to prevent the recurrence of this nuisance.

Yours faithfully,

Medical Officer of Health.

It is gratifying to state that on the receipt of this letter a definite effort is made on the part of owners to prevent the nuisance. In one case steam power was superseded by electric power; in another case the boilers were fitted with Hopper stokers, and new economisers were placed in several mills.

Only in two instances was it found necessary to serve statutory notices on the firms concerned; in one case Thornton's smoke consumer was put on the boiler along with a Sutcliffe's fan, the amount of smoke emitted being thereby considerably lessened, and in the other case a large proportion of the machinery was connected with electric motors, and the steam driving diminished.

Altogether among the observations black smoke was emitted for longer or shorter periods in 59 cases, or 25 per cent. of the total observations. This shows a decided improvement over the previous year when the cases in which there was some emission of black smoke was 39 per cent.

Fifty-seven observations of smoke from railway engines during shunting operations were taken at the following places:—Adswold Sidings, Edgeley Station, Tiviot Dale Station, George's Road Sidings, Sparth Lane Sidings, and Jubilee Sidings, and in no case was it necessary to take action.

The following is a list of the different apparatus used in the Borough:—

- Hollingdrake's Hollow Bar.
- Needham's Patent Fire Bar.
- Swindells' Air Bar.
- Eadie's Hollow Bar.
- Green's Economiser.
- Proctor's Mechanical Stoker.
- Spider Draught.
- Davidson's Sirocco Fan.
- McConnell's Automatic Air Regulator.
- The Auto Stoker.
- Sutcliffe's Fan.
- Thornton's Smoke Consumer.

The following is a list of the cases in which black smoke was emitted from chimneys belonging to factories, &c., the figures indicating the number of minutes of smoke emitted in an observation of two hours. In Nos. 30 and 163 notice was served in each case on the firms concerned requiring them to abate the nuisance within 28 days, and work was at once carried out which effected considerable improvement :—

SMOKE OBSERVATIONS.

| <i>No.</i> | <i>Blk.</i> | <i>Mod.</i> | <i>None.</i> | <i>No.</i> | <i>Blk.</i> | <i>Mod.</i> | <i>None.</i> | <i>No.</i> | <i>Blk.</i> | <i>Mod.</i> | <i>None</i> |
|------------|-------------|-------------|--------------|------------|-------------|-------------|--------------|------------|-------------|-------------|-------------|
| 5 | 4 | 34 | 82 | 89 | 8 | 84 | 28 | 169 | 2 | 46 | 72 |
| 9 | 1 | 48 | 71 | 96 | 5 | 41 | 74 | 172 | 1 | 37 | 82 |
| 11 | 3 | 35 | 82 | 97 | 3 | 47 | 70 | 173 | 2 | 39 | 79 |
| 13 | 5 | 51 | 64 | 99 | 3 | 50 | 67 | 174 | 1 | 25 | 94 |
| 14 | 2 | 35 | 83 | 101 | 5 | 60 | 55 | 177 | 1 | 38 | 81 |
| 22 | 3 | 46 | 71 | 102 | 5 | 39 | 76 | 180 | 1 | 17 | 102 |
| 23 | 1 | 55 | 64 | 106 | 1 | 33 | 86 | 183 | 1 | 36 | 83 |
| 25 | 6 | 62 | 52 | 117 | 2 | 38 | 80 | 185 | 2 | 46 | 72 |
| 30 | 11 | 49 | 60 | 118 | 1 | 29 | 90 | 186 | 1 | 39 | 80 |
| 33 | 2 | 47 | 71 | 121 | 5 | 50 | 65 | 187 | 2 | 64 | 54 |
| 34 | 1 | 29 | 90 | 123 | 3 | 32 | 85 | 191 | 2 | 36 | 82 |
| 41 | 2 | 26 | 92 | 127 | 6 | 49 | 65 | 193 | 2 | 50 | 68 |
| 44 | 1 | 29 | 90 | 129 | 2 | 38 | 80 | 195 | 1 | 39 | 80 |
| 45 | 1 | 37 | 82 | 131 | 1 | 42 | 77 | 197 | 2 | 44 | 76 |
| 47 | 8 | 59 | 53 | 132 | 2 | 33 | 85 | 201 | 2 | 47 | 71 |
| 48 | 5 | 65 | 50 | 133 | 2 | 26 | 92 | 205 | 2 | 33 | 85 |
| 49 | 6 | 101 | 13 | 135 | 2 | 38 | 82 | 207 | 1 | 46 | 73 |
| 53 | 4 | 37 | 79 | 137 | 2 | 54 | 64 | 208 | 2 | 50 | 68 |
| 57 | 5 | 28 | 87 | 139 | 1 | 50 | 69 | 211 | 1 | 47 | 72 |
| 63 | 6 | 67 | 47 | 140 | 2 | 23 | 95 | 212 | 2 | 52 | 66 |
| 64 | 2 | 17 | 101 | 143 | 5 | 54 | 61 | 213 | 1 | 33 | 86 |
| 65 | 6 | 47 | 67 | 144 | 4 | 46 | 70 | 215 | 2 | 36 | 82 |
| 68 | 2 | 40 | 78 | 145 | 6 | 62 | 52 | 220 | 2 | 43 | 75 |
| 71 | 2 | 36 | 82 | 149 | 4 | 29 | 87 | 221 | 1 | 53 | 64 |
| 73 | 1 | 46 | 73 | 151 | 4 | 31 | 85 | 223 | 1 | 43 | 76 |
| 75 | 1 | 41 | 78 | 152 | 1 | 23 | 96 | 226 | 1 | 29 | 90 |
| 77 | 1 | 25 | 94 | 153 | 2 | 40 | 78 | 229 | 1 | 53 | 66 |
| 78 | 2 | 38 | 80 | 155 | 3 | 62 | 55 | 233 | 2 | 38 | 80 |
| 81 | 1 | 33 | 86 | 159 | 1 | 86 | 33 | 234 | 1 | 29 | 90 |
| 83 | 6 | 41 | 73 | 160 | 5 | 32 | 83 | | | | |
| 85 | 2 | 55 | 63 | 163 | 9 | 96 | 15 | | | | |

Common Lodging-Houses.

There are 15 registered common lodging houses in the Borough, to which 986 visits have been paid. 116 visits were made during the night time between the hours of 11.30 p.m. and 1.30 a.m. Generally a good standard of cleanliness has been maintained.

An application was made to the Committee to transfer the registration of the lodging house to a new tenant in one case, and an application was made for new premises to be registered at 21, Hall Street, for a Boys' Home, which was granted by the Committee. One house (15, Watson Square) ceases to be registered as a common lodging-house owing to its having been unoccupied during the last twelve months.

The following is a list of the registered common lodging-houses within the Borough, together with the available accommodation :—

REGISTERED COMMON LODGING HOUSES.

| <i>No.</i> | <i>Address.</i> | <i>Regis- tered No. of Lodgers.</i> | <i>No. of Rooms</i> | <i>Average cubic capacity per person</i> |
|------------|-------------------------------------|---|-----------------------------|--|
| 1 | 1, Adlington Square (Kershaw)..... | 61 | 5 | 408 |
| 2 | 2, Adlington Square (Kershaw) | 22 | 7 | 462 |
| 3 | Bamford Street (Spilisbury) | 17 | 5 | 439 |
| 4 | Union Street (Marland) | 115 | 6 | 406 |
| 5 | Higher Hillgate (Graycon) | 64 | 13 | 410 |
| 6 | Canal Street (Molyneux)..... | 85 | 5 | 411 |
| 7 | Ridgway Lane (Young) | 55 | 5 | 406 |
| 8 | 19, Canal Street (Nutter) | 41 | 10 | 420 |
| 9 | 19, Garnett Street (Sullivan)..... | 12 | 3 | 396 |
| 10 | 3, Adlington Square (O'Gara)..... | 8 | 3 | 450 |
| 11 | 24, Chestergate (Ronan) | 14 | 5 | 400 |
| 12 | Great Egerton Street (Phillips) .. | 85 | 3 | 436 |
| 13 | 26, Lord Street (Edwards)..... | 10 | 3 | 415 |
| 14 | 51, Higher Hillgate | 15 | 5 | 420 |
| 15 | 21, Hall Street | 19 | 5 | 405 |

Bakehouses.

There were 496 visits paid to 92 bakehouses during the year. The premises were found in a good condition as to cleanliness and sanitation. In two cases it was found necessary to speak to the owners as to limewashing, and this was done without any further action being taken.

There are now seven underground bakehouses in the Borough, which are kept in a good condition.

Twelve restaurants in the Borough have been visited during the year on several occasions, and found to be clean and satisfactory.

Offensive Trades.

There are 23 tripe boiling establishments in the Borough, which have been regularly visited. 986 visits in all having been made during the year. The places generally have been found to be well conducted, and have not given rise to any complaints. In one instance plans were submitted for the reconstruction of old premises, which were granted.

The following is a list of the offensive trades in the Borough :—

| | |
|-----------------------|----|
| Tripe Boilers | 23 |
| Oil Refiners..... | 2 |
| Tallow Melter..... | 1 |
| Leather Dressers..... | 3 |
| Bird-lime Makers..... | 3 |
| Soap Maker..... | 1 |

Fairs, Wakes and Travelling Shows.

As these are mainly annual institutions, and as the caravans bring with them a large number of travelling showmen and others, every caravan used as a dwelling-house was visited in search of infectious disease, but on all occasions without any such illness being discovered. No overcrowding occurred, and all were found in a clean and satisfactory condition.

Shops Acts, 1912 and 1913.

A thorough and systematic inspection of shops has been carried out in each of the wards in the Borough during the year, both as regards attention to closing, and also with respect to notices being shewn in shops where exempted articles are sold. Strict supervision has also been exercised over shops where assistants are employed regarding the observance of meal-times and of the half-holiday.

In accordance with the provisions of the Shops Act, 1913, a survey of the whole of the full and off-licensed houses, restaurants and refreshment rooms in the Borough was made. There were 453 such premises, and in no case did the occupier elect to adopt the provisions of the amended Act.

Owing to an application from the Stockport and District Butchers' Association for a closing order for butchers' shops, the opinion of occupiers of these shops was obtained by vote in order to determine whether two-thirds of the occupiers of this class of shops required the order. The necessary procedure for making the order was not completed at the end of the year.

The number of premises on the Shops Act register on the 31st of December, 1913, totalled 3556, of which 227 were unoccupied on this date.

SUMMARY OF WORK OF SHOPS INSPECTORS.

| | |
|--|------|
| Number of Visits on Closing Days..... | 9431 |
| Special Calls re Closing-day Notices..... | 348 |
| Change of Occupiers..... | 227 |
| New Businesses..... | 81 |
| Reported to Medical Officer of Health..... | 37 |
| Number of Visits to Shops interviewing Assistants respecting Observance of Meal-times and Half-holiday..... | 825 |

Sale of Food and Drugs Acts.

Three hundred and thirty-four samples have been submitted to your Public Analyst under the above Acts, and 38 of these were found to be adulterated.

One hundred and sixty-eight of this total were samples of milk taken from the various sources of supply coming into the Borough, and of these 22 were found to be adulterated.

In a number of cases where the samples were reported upon adversely the adulteration was so slight that your Committee directed that cautionary letters be forwarded to the vendors concerned. In other cases legal proceedings were taken.

Although it would appear that the percentage of adulteration is higher than last year, when allowance is made for the fact that many of the samples were not official and had to be "followed up," thus causing duplicity in the number of adulterated samples, the result may be regarded as satisfactory.

There were two cases of milk preserved with formaldehyde, which your Committee decided should be taken before the Court, and the presiding Magistrate in addition to inflicting a penalty expressed himself strongly against the use of this "dangerous substance" for preserving milk, and said that any future case would be very severely dealt with.

Milk dealers were required to inscribe their names and addresses on vehicles used for selling milk in four instances, and the work was promptly carried out.

The following tables show the percentage of adulteration compared with previous years :—


| <i>Year.</i> | <i>Total Samples analysed.</i> | <i>Adulterated.</i> | <i>Percentage adulteration.</i> |
|--------------|--------------------------------|---------------------|---------------------------------|
| 1901 | 156 | 44 | 28.2 |
| 1902 | 308 | 31 | 10.06 |
| 1903 | 312 | 39 | 12.5 |
| 1904 | 302 | 51 | 16.9 |
| 1905 | 305 | 18 | 5.9 |
| 1906 | 304 | 22 | 7.24 |
| 1907 | 304 | 13 | 4.27 |
| 1908 | 303 | 23 | 7.6 |
| 1909 | 305 | 17 | 5.57 |
| 1910 | 305 | 24 | 7.87 |
| 1911 | 324 | 34 | 10.5 |
| 1912 | 330 | 25 | 7.6 |
| 1913 | 334 | 38 | 11.38 |

Analysis of *milk samples* compared with previous years :—

| <i>Year.</i> | <i>Total Samples analysed.</i> | <i>Adulterated.</i> | <i>Percentage adulteration.</i> |
|--------------|--------------------------------|---------------------|---------------------------------|
| 1900 | 27 | 5 | 18.52 |
| 1901 | 70 | 5 | 7.14 |
| 1902 | 91 | 16 | 17.58 |
| 1903 | 100 | 9 | 9.0 |
| 1904 | 120 | 20 | 16.66 |
| 1905 | 129 | 13 | 10.08 |
| 1906 | 134 | 10 | 7.46 |
| 1907 | 135 | 9 | 6.67 |
| 1908 | 160 | 17 | 10.63 |
| 1909 | 164 | 14 | 8.54 |
| 1910 | 203 | 21 | 10.34 |
| 1911 | 208 | 27 | 12.98 |
| 1912 | 158 | 15 | 9.5 |
| 1913 | 168 | 22 | 13.09 |

The subjoined Analyst's Quarterly Reports give full particulars of the adulteration and the subsequent action taken.

SALE OF FOOD AND DRUGS ACT, 1875.—Report of the Public Analyst appointed for the Borough of Stockport upon the articles analysed by him under the above Act, during the quarter ending 31st March, 1913.

| <i>Articles submitted for analysis.</i> | <i>Result of analysis: showing whether the sample was genuine or adulterated, and, if adulterated, what were the nature and extent of the adulteration.</i> | <i>Observations.</i> |
|---|---|---|
| 47 Milk..... | 42 genuine, 5 adulterated, viz.:— No. 7 —A deficiency of 3.3 per cent. of the fat. " 10— " 5.6 " " " 75— " 5.6 " " " 77—2.8 per cent. of added water. " 85—1.2 " " | <i>Milk Prosecutions:—</i> No. 7—No prosecution..... " 10—Costs..... 0 17 0 " 75—Dismissed..... " 77—10/- and costs..... 1 10 6 " 85—No prosecution..... £2 7 6 |
| 6 Demerara Sugar...  | 3 genuine, 3 adulterated, viz., consisting of dyed white crystals. | Demerara Sugar prosecutions all withdrawn. All the samples of milk were free from preservatives. |
| 22 Butter..... | } All genuine. | Nine out of the 22 samples of butter contained Boric Acid, the amounts varying from 0.07 to 0.36 per cent. |
| 6 Coffee..... | | Three samples were taken informally during the quarter, viz., 1 milk and 2 jams. They were all genuine. |
| 6 Malt Vinegar..... | | |
| 2 Jam..... | | |

Total number of samples analysed during the quarter, 89.
adulterated, 8.

SALE OF FOOD AND DRUGS ACT, 1875.—Report of the Public Analyst appointed for the Borough of Stockport upon the articles analysed by him under the above Act, during the quarter ending 30th June, 1913.

YEAR 1913.

95

| Articles submitted for analysis. | Result of analysis: showing whether the sample was genuine or adulterated, and, if adulterated, what were the nature and extent of the adulteration. | Observations. |
|--|--|---|
| 57 Milk..... | <p>47 genuine, 10 adulterated, viz.:— No. 99—3.7 per cent. of added water. " 104—3.5 " " " 135—1.9 " " " 179—1.3 " " " 102—A deficiency of 4 per cent. of the fat. " 105—6.7 " " 160—4.0 " " 182—21.3 " " 141 { Both contained 1 part of formaldehyde " 142 { in 1,000,000 at the time of examina- { tion, probably from 10 to 20 times { that amount was added.</p> | <p><i>Milk Prosecutions:—</i></p> <p>No. 99—Withdrawn on pay- ment of costs..... 0 3 6 " 104—10/- and costs..... 1 9 6 " 105—10/- and costs..... 1 11 0 " 141—Costs..... 0 16 6 " 142—Costs..... 0 16 6 " 182—Costs..... 1 3 0</p> <p>Cautionary letter sent in other adulterated cases.</p> <p>All the milk samples were examined for preservatives, but only in two cases, viz., Nos. 141 and 142, were such present. Two of the 8 samples of butter contained Boric Acid, viz.:— No. 164—N.O. 0.29 per cent. " 167—N.O. 0.03 " Seven samples were taken informally, viz.:— 3 Cream, two of these were adulterated, as stated, the third also contained Boric Acid (0.18 per cent.), but was properly labelled. 2 Butter, 1 adulterated as stated (No. 164, N.O.) 2 Whisky, 1 adulterated as stated (No. 70 N.O.)</p> |
| 3 Cream..... | <p>1 genuine, 2 adulterated, viz.:— No. 160—N.O. contained 0.40 per cent. Boric Acid, without the required label. " 166—N.O. contained 0.38 per cent. Boric acid, without the required label.</p> | |
| 8 Butter..... | <p>7 genuine, 1 adulterated, viz.:— No. 164—N.O. contained 0.44 per cent. excess water.</p> | |
| 10 Whisky..... | <p>9 genuine, 1 adulterated, viz.:— No. 70—N.O. contained 4.9 per cent. excess water.</p> | |
| 10 Malt Vinegar..... 4 Pepper..... 4 Coffee..... 4 Rum..... | <p>} All genuine.</p> | |
| Total number of samples analysed during the quarter, 102. | | Total number of samples adulterated, 14. |

SALE OF FOOD AND DRUGS ACT, 1875.—Report of the Public Analyst appointed for the Borough of Stockport upon the articles analysed by him under the above Act, during the quarter ending 30th September, 1913.

| Articles submitted for analysis. | Result of analysis: showing whether the sample was genuine or adulterated, and, if adulterated, what were the nature and extent of the adulteration. | Observations. |
|--|---|---|
| 46 Milk..... | 39 genuine, 7 adulterated, viz.:— No. 195—1.9 per cent. of added water. " 230—7.4 " " " 249—4.4 " " " 250—4.0 " " " 252—4.5 " " " 253—4.6 " " | <i>Milk Prosecutions:—</i> No. 195—No prosecution..... " 230—Dismissed..... " 249—Withdrawn on payment of costs..... " 250—40/- and costs..... " 252—Withdrawn on payment of costs..... " 253—Do do..... <i>Full Penalty.</i> £ s. d. — — — — — — 0 14 0 3 4 0 0 14 0 0 14 0 |
| 24 Butter..... | 21 genuine, 3 adulterated, viz.:— No. 257—N.O. entirely margarine. " 260—N.O. with 85.5 per cent. of margarine. " 258—N.O. 5.6 per cent. excess water. | Cautionary letter sent in other adulterated cases. All milk samples were examined for preservatives, but none were present. Four samples of Butter contained Boric Acid, viz.:— No. 214—0.15 per cent. " 256—0.43 " " 257—0.26 " " 260—0.16 " 25 samples were taken informally, viz.:— 24 Butter, of which 3 were adulterated as stated. (Nos. 257, 260, and 258, N.O.) |
| Total number of samples analysed during the quarter, 70. | | Total number of samples adulterated, 10. |

SALE OF FOOD AND DRUGS ACT, 1875.—Report of the Public Analyst appointed for the Borough of Stockport upon the articles analysed by him under the above Act, during the quarter ending 31st December, 1913.

| Articles submitted for analysis. | Result of analysis: showing whether the sample was genuine or adulterated, and, if adulterated, what were the nature and extent of the adulteration. | Observations. |
|---|--|--|
| 18 Milk..... | All genuine. | <i>Butter Prosecutions:—</i> No. 276—10/- and costs..... 1 9 6 No. 278—£5 and costs 7 0 6 |
| 30 Butter..... | 26 genuine, 4 adulterated, viz.:— No. 276—99 per cent. of foreign fat. " 278—88 " 295—78 " 308—4.5 per cent. excess. | Cautionary letter sent in other adulterated cases. All the milk samples were examined for preservatives, but none were present. Boric Acid was present in 7 of the samples of Butter, viz.:— No. 268—N.O. 0.50 per cent. " 276—0.6 per cent. " 278—0.22 " 288—N.O. 0.18 per cent. " 295— " 0.20 " 302— " 0.37 " 307— " 0.25 37 samples were taken informally (indicated by the addition of "N.O." to the number) viz. 1 Milk—genuine. 27 Butter—2 adulterated, No. 295, N.O., and No. 308, N.O. 7 Rum, 1 adulterated, No. 301, N.O. 2 Whisky—genuine. |
| 8 Rum..... | 6 genuine, 2 adulterated, viz.:— No. 301—N.O. 2.0 per cent excess water. " 310—1.7 per cent excess water. | |
| 6 Lard..... | } All genuine. | |
| 6 Malt Vinegar..... | | |
| 3 Linseed Meal..... | | |
| 2 Whisky..... | | |
| Total number of samples analysed during the quarter, 73 | | Total number of samples adulterated, 6. |

Ice Cream Vendors.

These places have been visited 211 times during the year, when the vessels used in connection with the business and the premises have been examined.

On the whole there was a decided improvement in the general cleanliness both of the premises and utensils of these traders, and it was only found necessary to complain in three instances of unsatisfactory conditions. In these cases the necessary cleansing was carried out without delay.

There were no cases of infection traceable to eating ice-cream within the Borough, and no cases of infectious disease notified amongst ice-cream traders.

Dairies, Cowsheds, and Milkshops Order.

These places have been visited and examined 519 times during the year.

It was found necessary to have drains repaired, shippon floors re-laid, and manure-pits made good in 5 instances, and notices were given to occupiers to cleanse and lime-wash premises and remove manure in three cases, and the necessary work was carried out at once.

There were three outbreaks of infectious disease reported to us in connection with milk dealers, and the necessary disinfection and strict precautionary measures taken prevented any further spread of the disease.

This remark also applies to two outbreaks of typhoid fever on a farm reported upon under the heading of Typhoid Fever.

The milk shops have been systematically visited 689 times, and at last there appears to be a genuine desire on the part of many milk traders to maintain a high standard of sanitary efficiency in connection with this business.

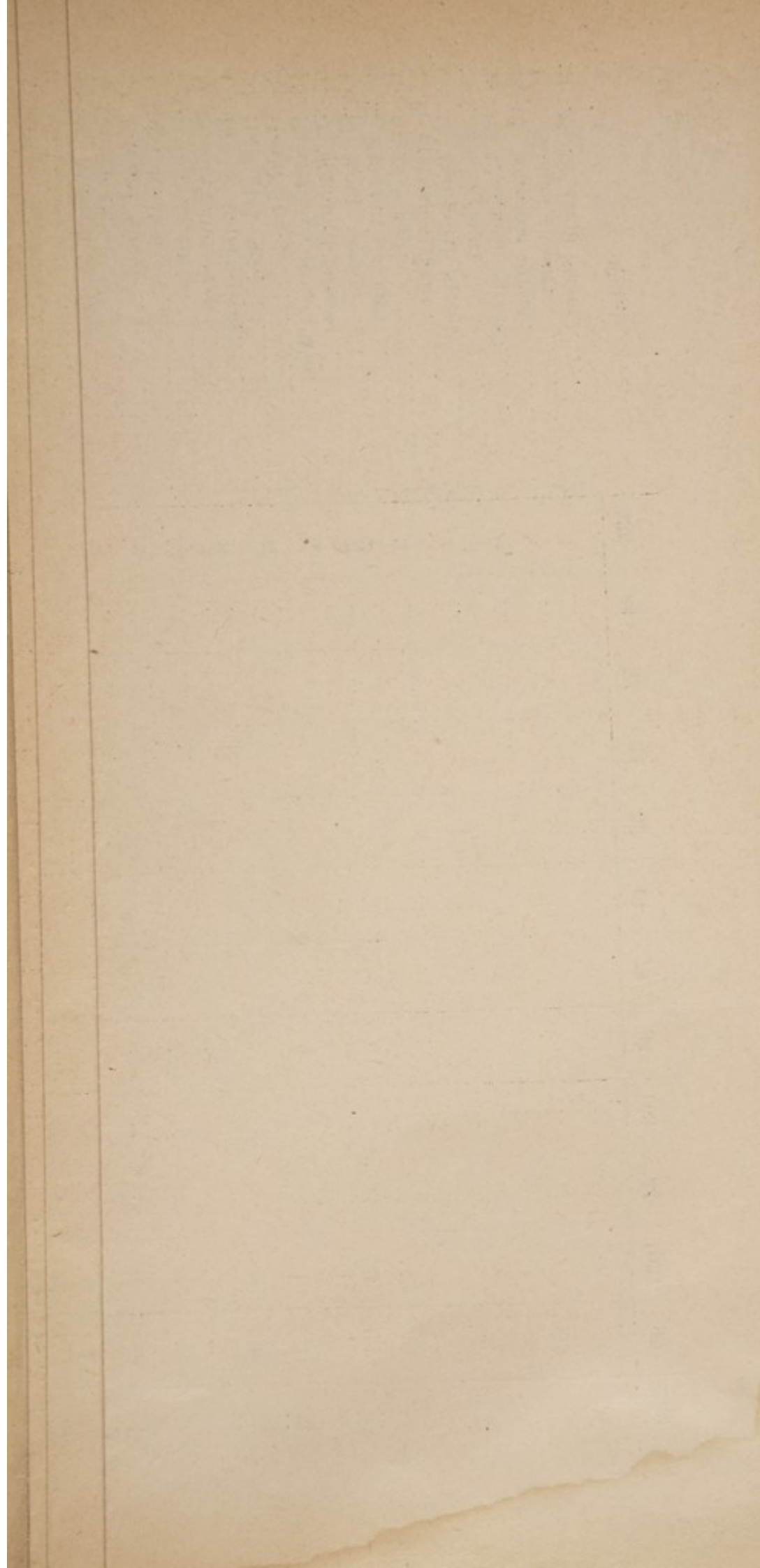
Twelve animals suspected to be suffering from tuberculosis were surrendered and destroyed.

Slaughter Houses.

These places have been kept under close observation, some 2153 visits of inspection having been made.

It was found necessary to serve notices to cleanse, remove offal, repair drains, floors and walls, and provide garbage bins in 7 cases, and the necessary compliance was enforced.

Generally speaking, the cleanliness of these places has been well maintained without pressure from this Department.



[illegible]

The various butchers, fishmongers, fruiterers, and food-preparing shops, together with the market, have been regularly visited, and in one case, where a carcase of tubercular beef had been dressed in one of the slaughter-houses, cut up and distributed to a number of shops, the whole of the pieces comprising the carcase were got together, seized and destroyed.

Your Committee authorised a prosecution, and a conviction followed.

The following list shows some of the foodstuffs dealt with during the year:—

| | |
|----|-----------------------|
| 17 | Carcases of Beef. |
| 7 | Forequarters of Beef. |
| 3 | Hindquarters of Beef. |
| 11 | Pigs. |
| 2 | Calves. |
| 23 | Couples of Rabbits. |
| 39 | Turkeys. |
| 11 | Geese. |
| 9 | Boxes of Fish. |
| 70 | Livers, &c. |

Housing of the Working Classes Acts, 1890–1909.

From the returns of the Census of 1911, published in July, 1913, some valuable information relating to the housing circumstances of Stockport has been summarised.

The total number of tenements in the Borough is given as 25,584, which are classified as follows:—

| | |
|---------------------------------|-------|
| Tenements of One Room | 114 |
| Do. Two Rooms | 1369 |
| Do. Three Rooms | 2171 |
| Do. Four Rooms | 12998 |
| Do. Five Rooms | 5240 |
| Do. Six Rooms | 2184 |
| Do. Seven Rooms | 719 |
| Do. Eight Rooms | 378 |
| Do. Nine Rooms | 175 |
| Do. Ten Rooms and Upwards | 236 |

It will be seen that the outstanding type of house among the working-class dwellings is the four-roomed house. This constitutes 50.8 per cent. of the entire houses in the Borough.

The enumeration of the number of persons occupying tenements of four rooms and less is here given, as a useful indication of the extent to which overcrowding exists can be gleaned from it:—

The 114 one-roomed tenements are occupied as follows:—

| | |
|-----------------------|----|
| By one person | 73 |
| „ two persons | 32 |
| „ three persons | 9 |

In only one one-roomed tenement there was a child under 10 years of age.

The 1369 two-roomed tenements are occupied as follows:—

| | |
|-----------------------|-----|
| By one person | 348 |
| „ two persons | 469 |
| „ three persons | 253 |
| „ four persons | 151 |
| „ five persons | 95 |
| „ six persons | 38 |
| „ seven persons | 13 |
| „ eight persons | 2 |

Of the 1369 families occupying these tenements:—

In 952 there were no children under 10 years of age.

„ 214 there was 1 child under 10 years of age.

„ 134 there were 2 children under 10 years of age.

„ 55 „ 3 „ „ „

„ 14 „ 4 „ „ „

The 2171 three-roomed tenements are occupied as follows:—

| | |
|------------------------|-----|
| By one person | 180 |
| „ two persons | 484 |
| „ three persons | 514 |
| „ four persons | 371 |
| „ five persons | 278 |
| „ six persons | 162 |
| „ seven persons | 101 |
| „ eight persons | 45 |
| „ nine persons | 28 |
| „ ten persons | 6 |
| „ eleven persons | 1 |
| „ twelve persons | 1 |

Of the 2171 families occupying these tenements:—

In 1168 there were no children under 10 years of age.

„ 449 there was 1 child under 10 years of age.

„ 297 there were 2 children under 10 years of age.

„ 160 „ 3 „ „ „

„ 80 „ 4 „ „ „

„ 16 „ 5 „ „ „

„ 1 „ 6 „ „ „

The 12,998 four-roomed tenements are occupied as follows: —

| | |
|------------------------|------|
| By one person | 410 |
| „ two persons | 2592 |
| „ three persons | 3018 |
| „ four persons | 2663 |
| „ five persons | 1835 |
| „ six persons | 1137 |
| „ seven persons | 704 |
| „ eight persons | 356 |
| „ nine persons | 111 |
| „ ten persons | 81 |
| „ eleven persons | 21 |
| „ twelve persons | 4 |

Of the 12,998 families in these tenements:—

| | | | |
|---------|------------|-------------|------------------------|
| In 6611 | there were | no children | under 10 years of age. |
| „ 3000 | there was | 1 child | under 10 years of age. |
| „ 1831 | there were | 2 children | under 10 years of age. |
| „ 1001 | „ | 3 | „ „ „ |
| „ 433 | „ | 4 | „ „ „ |
| „ 111 | „ | 5 | „ „ „ |
| „ 11 | „ | 6 | „ „ „ |

The number of tenements with more than two occupants per room were as follows:—

| | |
|---------------------------|-----|
| One-roomed tenements..... | 9 |
| Two-roomed „ | 148 |
| Three-roomed „ | 182 |
| Four-roomed „ | 283 |
| Five-roomed „ | 67 |
| Six-roomed „ | 8 |
| Total..... | 697 |

Thus, if more than 2 persons per room be taken as the criterion of overcrowding, it will be seen that at the time of the Census 697 instances of overcrowding occurred in the Borough.

The number of uninhabited dwelling-houses at the Census was 1171, and the number of houses in the process of being built was 120.

Quite recently (March, 1914) the number of vacant houses at a rental not exceeding £26 per annum (the limit to which Section 14 of the Housing and Town Planning Act, 1909, applies) has been determined. 248 such houses were found to be empty within the Borough, and as this figure will only be slightly increased by including houses at rents

higher than £26 a year, it shows in a striking manner when compared with the Census figure of 1911 that the supply of such dwellings will shortly fail to meet the demand. The rents of the uninhabited houses were as follows:—

| | | | | | | |
|------|-----|----|------|---------------|-----|---------|
| From | 2/- | to | 3/- | per week..... | 42 | houses. |
| „ | 3/- | „ | 4/- | „ „ | 58 | „ |
| „ | 4/- | „ | 5/- | „ „ | 37 | „ |
| „ | 5/- | „ | 6/- | „ „ | 19 | „ |
| „ | 6/- | „ | 7/6 | „ „ | 35 | „ |
| „ | 7/6 | „ | 10/- | „ „ | 57 | „ |
| | | | | | — | |
| | | | | | 248 | „ |
| | | | | | — | |

A detailed statement of the work carried out in connection with the Housing of the Working Classes Acts is given in an accompanying table, and the Housing Inspector made during the year 6167 visits.

163 houses were dealt with by the Housing Committee; of these 84 were represented as unfit for human habitation.

535 houses in which certain repairs or alterations were required, or which were represented as unfit for habitation, were specially inspected, and a detailed card report prepared in each case.

Under Section 15 of the Housing and Town Planning Act (by which there shall be implied a condition upon letting that the house is in all respects fit for human habitation) 103 intimation notices were sent.

34 back-to-back houses were rendered into through houses.

The Housing Committee found it necessary to make 52 closing orders during the year, as compared with 70 in the previous year; and as an indication of an increased desire on the part of landlords to keep their property in good condition it is satisfactory to note that 232 houses were repaired without notice, as compared with 140 in the previous year.

In connection with certain properties which have been dealt with, the following particulars are of interest:—

2-20, ALBISTON'S PLACE.

1-17, MOSS STREET.

30, KINGSTON STREET.

This property consisted of back-to-back houses, 6 of which contained living-room and 2 bedrooms, 6 with one room only, and 8 containing one living-room and one bedroom. None of the houses were through ventilated on ground floor, but those with 2 bedrooms were through ventilated on first floor. Internally the houses were in defective condition, the floor flags being very uneven and broken, plaster of walls broken, and top sashes fast. No provision was made for washing, and no drainage provided, all slops having to be carried out and thrown into the street.

Externally the roofs were defective, the brickwork of chimney stacks loose and without pots, and the mortar joints of walls perished. The houses faced on two streets, and were entirely unprovided with yard space. The sanitary accommodation was inconveniently situated at one end of the buildings, and in such a condition as to be quite unfit for use. The Housing Committee visited the property on two occasions, and afterwards made Closing Orders on each house. A specification was prepared and sent to the owners, whose representative afterwards attended the Committee, and promised to do the work required. This work is now completed. Six houses have been demolished, and yard space, containing w.c. and dustbin, provided. 14 houses have been converted into through houses, wash boilers provided, slopstones connected with outside gullies fixed; screens to back bedroom fixed, top sashes hung, and floors, walls, roofs, and chimney-stacks repaired. The whole of the work was carried out to the satisfaction of the Housing Committee, who, after inspection, determined the Closing Orders.

1, BLACKSHAW'S COURT.

This is a detached house standing in the middle of a yard surrounded by other property, and containing 2 rooms on one floor, with a basement underneath entered from the yard. Internally the house was in a dilapidated condition; the walls were dirty, and the plaster badly broken; the ceilings dirty and damp, floor boards rotten, and no provision made for washing. Externally, the entrance landing was in a dangerous condition, and the roof and eaves gutters very defective; the basement was in a filthy state, and was mostly used as a place for the deposit of refuse and ashes. The Housing Committee visited the property, and made a Closing Order, followed by a Demolition Order. The owner's representative attended the Committee meeting, and promised to have the house demolished.

1-3-5, LAVENDER'S BROW.

1-3, LOWER CARRS.

This property consisted of 5 houses, containing living room, scullery, and 2 bedrooms, and basement containing one room only. Both internally and externally the property was in very defective condition, floor flags broken and uneven, plaster of walls and ceilings bulged and broken, woodwork of windows, stairs, and floors defective, and top sashes fast. Externally, roofs, eaves gutters, chimney stacks, and walls were defective, and the closet accommodation filthy, and the yard surface also unsatisfactory. The Housing Committee inspected the property, and Closing Orders were made and served. General repairs have since been completed. The gable was taken down and re-built, roofs repaired, and new gutters fixed; new windows provided, bulged ceilings and broken plaster repaired; defective flags and floor boards taken up and replaced, water-closets provided, and the houses made quite fit for habitation. After inspection by the Housing Committee the Closing Orders were determined.

238-240, NELSTROP ROAD.

In the case of this property, nothing was wrong with the houses themselves, but the water supply for domestic uses was very unsatisfactory, a well situated a considerable distance from the houses being the only source, and as this was found to be unfit for use, the houses were practically without water. The Committee made an inspection, and Closing Orders were made—not to be served if the work was immediately taken in hand. This was done, a new main being laid and water supplied to each house. The work being completed in a satisfactory manner, it was not necessary to serve the Closing Order, and the Order was determined.

21a-27, BROADSTONE ROAD.

These consisted of 4 very old houses, two of which were placed back-to-back, not through ventilated. The brickwork of chimney stacks and walls was badly decayed and the mortar perished; roofs, eaves gutters and downspouts in disrepair, and the sanitary arrangements unsatisfactory. Internally the woodwork of floors, stairs, and windows was defective, and the floor flags and plaster of walls broken. Closing Orders were made and served, and as the houses had not been put in order, Demolition Orders followed. Tenders for demolition were obtained, and the houses demolished.

1, FENTON COURT.

6, ETCHELLS STREET.

Were a pair of back-to-back houses not through ventilated, each containing living-room and 1 bedroom and attic. Both houses were in very defective condition; the floor flags were broken and uneven, plaster of walls broken, woodwork defective; neither house was supplied with wash boiler, and the water supply fixed in an unsatisfactory position; the front house was without proper drainage, and the sanitary arrangements unsuitable. The houses were converted into one through ventilated house, wash boiler provided, floors, etc., repaired, and water-closet provided. All the work was completed voluntarily, and it was not necessary for Closing Orders to be served.

1-2-3, BRADDOCK'S COURT.

4-6-8, PETER STREET.

These were back-to-back houses, not through ventilated, and each contained 1 living-room and 1 bedroom. The houses were in fair condition structurally, but were unprovided with washing accommodation and proper drainage, all slops having to be carried out. The Housing Committee inspected the property, and the owner's representative attended the following meeting, and asked for a specification of the work required to be done. This was prepared and sent. The six single houses have been converted into three through houses, wash boilers built, and sinks discharging over outside gullies provided and connected with the drain, the yard surface repaired, and a footpath provided. All the work being satisfactorily completed voluntarily, Closing Orders were not required.

WORK DONE UNDER THE HOUSING OF THE WORKING CLASSES ACTS.

| | |
|---|-----|
| Number of houses inspected..... | 535 |
| „ houses dealt with by Housing Committee..... | 163 |
| „ houses represented as unfit for habitation..... | 84 |
| „ houses repaired without notice..... | 232 |
| „ houses closed voluntarily..... | 39 |
| „ houses demolished voluntarily..... | 48 |
| „ houses made habitable..... | 78 |
| „ back-to-back houses converted into through houses..... | 34 |
| „ closing orders made..... | 52 |
| „ demolition orders made..... | 32 |
| „ closing orders determined..... | 64 |
| Action taken under Section 15..... | 103 |
| Number of repairs executed under Section 15 after notice..... | 95 |

Schools and Infectious Disease.

| <i>School.</i> | <i>Disease.</i> | <i>Percentage of Children present.</i> | <i>Closed.</i> | |
|----------------------------------|----------------------|--|----------------|-----------|
| | | | <i>From</i> | <i>To</i> |
| Great Moor C.E. (Infants' Dept.) | Measles | 57 | June 18 | July 4 |
| Christ Church (do.)..... | Do. | 57 | Oct. 9 | Oct. 31 |
| St. Paul's C.E. (do.)..... | Do. | 59 | „ 9 | „ 31 |
| St. Peter's C. E. (do.)..... | Do. | 52 | „ 15 | „ 31 |
| Portwood Council (do.)..... | Do. | 57 | „ 29 | Nov. 14 |
| Parish Church (do.)..... | Measles and Mumps | 45 | Nov. 10 | „ 28 |
| Hope Memorial (do.)..... | Do. | 50 | „ 17 | Dec. 5 |
| Lancashire Hill C. (do.)..... | Measles | 50 | Dec. 1 | „ 18 |
| St. Thomas's Parochial (do.).. | Do. | 47 | „ 8 | „ 18 |
| St. Mary's R. C. (do.)..... | Do. | 44 | „ 8 | „ 18 |

St. Matthew's C. E. School closed from 20th January to 24th January, owing to complete absence of heating apparatus due to breakdown of boiler.

Wellington Road C. School closed on 20th and 21st February, owing to complete absence of heating apparatus due to breakdown of boiler.

St. Joseph's R. C. School (Infants' Dept.) closed from 25th February to 7th March, on account of building and drainage alterations; and closed for a further period from 11th to 19th March, on account of building and drainage alterations.

SCHOOL CHILDREN SUFFERING FROM INFECTIOUS
DISEASE DURING THE PAST FOURTEEN YEARS.

| <i>Year.</i> | <i>Notifiable or " Dangerous "</i> <i>Infectious Diseases.</i> | | | | <i>Non-Notifiable but</i> <i>Dangerous.</i> | | |
|--------------|---|---------------------------|--------------------------|----------------|--|----------------------------|----------------|
| | <i>Smallpox</i> | <i>Scarlet Fever.</i> | <i>Diph- theria.</i> | <i>Totals.</i> | <i>Measles</i> | <i>Whooping Cough.</i> | <i>Totals.</i> |
| 1900 | — | 146 | 9 | 155 | 290 | 59 | 349 |
| 1901 | — | 390 | 9 | 399 | 1418 | 48 | 1466 |
| 1902 | — | 308 | 7 | 315 | 413 | 320 | 733 |
| 1903 | 1 | 360 | 6 | 367 | 98 | 1 | 99 |
| 1904 | 19 | 375 | 16 | 410 | 476 | 14 | 490 |
| 1905 | 1 | 110 | 16 | 127 | 200 | 250 | 450 |
| 1906 | — | 95 | 21 | 116 | 880 | 225 | 1105 |
| 1907 | — | 236 | 24 | 260 | 920 | 689 | 1609 |
| 1908 | — | 359 | 23 | 382 | 2881 | 537 | 3418 |
| 1909 | — | 356 | 30 | 386 | 1414 | 194 | 1608 |
| 1910 | — | 130 | 28 | 158 | 870 | 743 | 1613 |
| 1911 | — | 116 | 27 | 143 | 793 | 186 | 978 |
| 1912 | — | 133 | 45 | 178 | 1010 | 443 | 1453 |
| 1913 | — | 103 | 33 | 136 | 1142 | 128 | 1270 |

Isolation Hospitals.

During the year 1913, 176 cases of infectious disease have been treated at your Isolation Hospital in Cherry Tree Lane, as compared with 185 in 1912, and 157 during 1911.

Of 168 cases of scarlet fever notified 114, or nearly 68 per cent., were admitted to the Hospital. Only one death from scarlet fever occurred during the year.

Forty cases of diphtheria were admitted to the Hospital out of 91 notified; thus 44 per cent. of the total cases received hospital treatment. This is by far the largest number of cases of diphtheria ever admitted to the Isolation Hospital, the largest number in any previous year being 17, or 18.8 per cent. of the cases notified in 1912. This increased hospital treatment of diphtheria has been rendered possible owing to the slight incidence of scarlet fever during the year, and its value may be seen by the fact that the case-mortality of home-treated cases is nearly three times that of cases removed to the Hospital; thus, of 51 cases treated at home 11 died, or 21.6 per cent., while of the 40 cases removed to the hospital only 3 died, or 7.5 per cent. Seven of the cases admitted were suffering from laryngeal diphtheria, in 3 of which immediate tracheotomy was necessary as a life-saving measure; these cases recovered.

Twenty-one out of 44 cases of typhoid were admitted to the Hospital during the year, or 47.7 per cent.

One case of puerperal fever was admitted.

It is fortunate that the absence of epidemic scarlet fever has enabled such a high proportion of other cases to be removed to the Hospital as the extensions were yet unfinished.

I am hoping that the opening of the extensions, which has been so long delayed, will take place very shortly, and that the accommodation available for all the cases in which hospital treatment is desirable will no longer be a cause for continual anxiety, as it has been in the past.

I have great pleasure in recording my appreciation of the work of the Matron and Nursing Staff during the year.

PAYMENTS BY PATIENTS.

| | £ | s. | d. | | £ | s. | d. | | £ | s. | d. |
|------------|-----|----|----|------------|------|----|----|------------|-----|----|----|
| 1888 | 108 | 4 | 6 | 1897 | 319 | 11 | 3 | 1906 | 32 | 6 | 0 |
| 1899 | 591 | 10 | 9 | 1898 | 264 | 14 | 1 | 1907 | 268 | 2 | 0 |
| 1890 | 122 | 14 | 6 | 1899 | 362 | 15 | 0 | 1908 | 220 | 12 | 0 |
| 1891 | 25 | 7 | 0 | 1900 | 1474 | 14 | 6 | 1909 | 158 | 4 | 6 |
| 1892 | 150 | 18 | 6 | 1901 | 629 | 0 | 2 | 1910 | 47 | 0 | 0 |
| 1893 | 122 | 12 | 0 | 1902 | 272 | 18 | 0 | 1911 | — | | |
| 1894 | 150 | 9 | 10 | 1903 | 915 | 5 | 5 | 1912 | — | | |
| 1895 | 176 | 15 | 4 | 1904 | 731 | 9 | 9 | 1913 | — | | |
| 1896 | 191 | 8 | 11 | 1905 | 261 | 0 | 6 | | | | |

NETT COST OF MAINTENANCE.

| | £ | s. | d. | | £ | s. | d. | | £ | s. | d. |
|------------|------|----|----|------------|------|----|-----|-----------|------|----|-----|
| 1888 | 715 | 0 | 2 | 1897 | 1592 | 9 | 6 | 1906 | 2786 | 3 | 10½ |
| 1889 | 864 | 19 | 0 | 1898 | 1316 | 7 | 8 | 1907 | 3060 | 1 | 4 |
| 1890 | 606 | 16 | 2 | 1899 | 924 | 5 | 2 | 1908 | 2790 | 2 | 5½ |
| 1891 | 928 | 6 | 2 | 1900 | 389 | 5 | 5 | 1909 | 2627 | 15 | 1 |
| 1892 | 509 | 19 | 8 | 1901 | 3113 | 14 | 11 | 1910 | 2302 | 6 | 6½ |
| 1893 | 1392 | 8 | 11 | 1902 | 2598 | 0 | 4 | 1911 | 2425 | 3 | 2 |
| 1894 | 1313 | 12 | 0 | 1903 | 3801 | 6 | 2 | 1912 | 2490 | 0 | 4 |
| 1895 | 1137 | 5 | 11 | 1904 | 2476 | 19 | 10½ | 1913 | 3302 | 12 | 3 |
| 1896 | 1544 | 11 | 7 | 1905 | 2524 | 13 | 10 | | | | |

The following table gives the number of cases dealt with by the Hospital during the past year :—

| <i>Name of Disease.</i> | <i>In Hospital, 1st Jan., 1913.</i> | <i>Admitted.</i> | <i>Recovered and Discharged</i> | <i>Died.</i> | <i>In Hospital 31st Dec., 1913.</i> |
|-------------------------|-------------------------------------|------------------|---------------------------------|--------------|-------------------------------------|
| Scarlet Fever... | 18 | 114 | 107 | 1 | 24 |
| Typhoid Fever... | — | 21 | 8 | 7 | 6 |
| Diphtheria..... | 4 | 40 | 36 | 3 | 5 |
| Puerperal Fever | — | 1 | — | 1 | — |
| Totals..... | 22 | 176 | 151 | 12 | 35 |

CASES TREATED FROM 1892 TO 1913 INCLUSIVE, IN THE TWO HOSPITALS.

| | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Smallpox | 6 | 22 | 26 | 2 | 1 | 0 | 0 | 0 | 6 | 1 | 57 | 89 | 159 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 |
| Scarlet Fever.... | 26 | 127 | 151 | 112 | 265 | 279 | 115 | 46 | 216 | 403 | 318 | 371 | 271 | 120 | 81 | 265 | 386 | 438 | 175 | 150 | 199 | 132 |
| Typhus | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enteric | 16 | 85 | 21 | 40 | 38 | 47 | 58 | 27 | 64 | 38 | 18 | 1 | 14 | 23 | 23 | 18 | 18 | 14 | 8 | 7 | 6 | 21 |
| Diphtheria | 2 | 9 | 2 | 0 | 1 | 0 | 0 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 0 | 5 | 3 | 7 | 14 | 14 | 17 | 44 |
| Other Diseases .. | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 6 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| <i>Totals</i> | 51 | 244 | 200 | 154 | 306 | 326 | 173 | 76 | 293 | 444 | 395 | 464 | 445 | 147 | 105 | 289 | 409 | 461 | 197 | 171 | 223 | 198 |

Expenditure on Hospital Account*From January 1st to December 31st, 1913.***DIALSTONE LANE HOSPITAL.**

| | £ | s. | d. | £ | s. | d. |
|--|------|----|----|------|----|----|
| Salaries and Wages..... | 957 | 7 | 6 | | | |
| National Insurance..... | 13 | 8 | 6 | | | |
| Services of extra Nurses..... | 2 | 12 | 6 | | | |
| Foods, Stimulants, and Drugs..... | 501 | 11 | 8 | | | |
| Coal, Coke, Lighting, and Water..... | 406 | 8 | 1 | | | |
| Rates and Tithe Rent Charge..... | 113 | 0 | 5 | | | |
| Repairs and Alterations..... | 19 | 6 | 8 | | | |
| Dress Materials and Drapery..... | 86 | 15 | 5 | | | |
| Provender.. .. | 64 | 2 | 3 | | | |
| Harness, Repairs, Shoeing and Veterinary Charges.. | 15 | 6 | 3 | | | |
| Repairing and Painting Ambulance..... | 10 | 14 | 0 | | | |
| Printing, Stationery, Advertising, and Stamps..... | 8 | 15 | 3 | | | |
| Cleaning Materials..... | 13 | 10 | 8 | | | |
| Ironmongery, Crockery, and Kitchen Utensils..... | 18 | 3 | 7 | | | |
| Professional Services of Locum Tenens..... | 29 | 13 | 0 | | | |
| Petty Cash..... | 13 | 2 | 10 | | | |
| Gratuities to Nurses and Christmas Presents for Patients..... | 7 | 14 | 6 | | | |
| Clothing for Ambulance Men..... | 6 | 16 | 6 | | | |
| Insurances (Workmen's Compensation &c)..... | 60 | 9 | 9 | | | |
| Oil Waste, &c..... | 4 | 6 | 7 | | | |
| Telephone Subscription..... | 9 | 0 | 0 | | | |
| Horse..... | 30 | 0 | 0 | | | |
| Maintenance of Patient at Workhouse Hospital.... | 23 | 0 | 0 | | | |
| Laying out Grounds..... | 135 | 17 | 5 | | | |
| Surveyor's Assistants' Wages..... | 192 | 8 | 6 | | | |
| Miscellaneous..... | 10 | 17 | 7 | | | |
| Capital Charges..... | 429 | 16 | 9 | | | |
| | 3184 | 6 | 2 | | | |
| Income..... | 70 | 16 | 0 | | | |
| | | | | 3113 | 10 | 2 |

WHITEHILL HOSPITAL.

| | | | | | | |
|--|-------|----|---|-----|---|---|
| Wages and National Insurance..... | 55 | 5 | 0 | | | |
| Coal, Coke, Lighting, and Water..... | 24 | 12 | 9 | | | |
| Rates and Taxes..... | 37 | 12 | 9 | | | |
| Telephone Subscription..... | 8 | 0 | 0 | | | |
| Miscellaneous..... | 4 | 13 | 7 | | | |
| Capital Charges..... | 58 | 18 | 0 | | | |
| | | | | 189 | 2 | 1 |
| Total expenditure on Hospital Account..... | £3302 | 12 | 3 | | | |

Bacteriological Examinations.

During the year 341 specimens have been forwarded to Professor Delépine for examination, 58 from suspected typhoid fever cases, 66 from doubtful diphtheria cases, and 217 from suspected cases of phthisis. The results obtained on such bacteriological examination are given in the accompanying table :—

| | <i>Positive.</i> | <i>Negative.</i> | <i>Doubtful.</i> |
|-----------------|------------------|------------------|------------------|
| Typhoid..... | 27 .. | 26 .. | 5 |
| Diphtheria..... | 18 .. | 46 .. | 2 |
| Phthisis..... | 74 .. | 143 .. | — |
| Totals..... | <u>119</u> | <u>215</u> | <u>7</u> |

Limewash Brushes.

Section 46 of the Public Health Act, 1875, requires the owner or occupier of any house, any part of which is in a filthy or unwholesome condition, to limewash, cleanse, and purify the same. Facilities are granted to the poorest people for this purpose by the almost gratuitous loan of limewashing brushes by the Cleansing Department. As the cost of the limewash is a very small one, there is no reasonable excuse for many of the poorest dwellings being in an unwholesome and filthy condition. These limewash brushes are loaned at a charge of 1d. per day.

Appended is a statement of the Income and Expenditure for the past thirteen years :—

| <i>Year.</i> | <i>Income.</i> | | | <i>Expenditure.</i> | | |
|--------------|----------------|-----------|----------|---------------------|-------------|------------|
| | £ | s. | d. | £ | s. | d. |
| 1901-2..... | 14 | 2 | 9 | .. | 12 | 11 8 |
| 1902-3..... | 14 | 2 | 6 | .. | 16 | 16 0 |
| 1903-4..... | 11 | 11 | 2 | .. | 6 | 0 0 |
| 1904-5..... | 11 | 5 | 1 | .. | 15 | 12 0 |
| 1905-6..... | 12 | 17 | 10 | .. | 7 | 5 8 |
| 1906-7..... | 13 | 4 | 6 | .. | 8 | 6 6 |
| 1907-8..... | 12 | 10 | 1 | .. | 7 | 4 0 |
| 1908-9..... | 10 | 5 | 4 | .. | 5 | 4 8 |
| 1909-10.... | 10 | 2 | 2 | .. | 7 | 17 6 |
| 1910-11.... | 7 | 11 | 11 | .. | 5 | 15 0 |
| 1911-12.... | 11 | 0 | 6 | .. | 8 | 19 6 |
| 1912-13.... | 8 | 5 | 0 | .. | 6 | 15 0 |
| 1913-14.... | 7 | 14 | 4 | .. | 6 | 15 0 |
| | <u>£144</u> | <u>13</u> | <u>2</u> | .. | <u>£115</u> | <u>2 6</u> |

Paving, Sewering, &c.

I am indebted to the Borough Surveyor for a statement giving the amount of paving, sewerage, etc., carried out by his department during the year under review :—

1. Length of back passages paved and sewered :—994 lineal yards.
2. Length of sewers laid :—1977 lineal yards.
3. No vertical shaft ventilators have been erected.
4. 15 surface sewer ventilators closed.
5. Lineal yards of old sewers taken up and relaid :—81.
6. Six cellar areas were closed for purposes of street improvements.
7. No houses have been demolished for purposes of street improvements.
8. 400 water closets erected in connection with new buildings.

Scavenging.

I am indebted to the Borough Treasurer for the following statement giving the expenditure of the Cleansing Department during the year :—

From January 1st to December 31st, 1913.

| | £ | s. | d. |
|---|--------|----|----|
| Nett Expenditure of Nightsoil and Day Scavenging Departments..... | 15658 | 13 | 8 |
| General Maintenance Account of Nightsoil and Day Scavenging Departments (including £365 2s. 8d. Capital Charges)..... | 16481 | 16 | 7 |
| Less Income..... | 823 | 2 | 11 |
| | 15658 | 13 | 8 |
| General Maintenance Account of Whitehill (including £137 16s. 10d. Capital Charges)..... | 173 | 1 | 8 |
| General Maintenance Account of Warth Meadow (including £87 1s. 6d. Capital Charges)..... | 220 | 10 | 11 |
| Income..... | 191 | 0 | 0 |
| | 29 | 10 | 11 |
| | £15861 | 6 | 3 |

Legal Proceedings during the year, 1913.

| <i>Offence.</i> | <i>Result.</i> | <i>Amount of Fines, &c.</i> |
|--|----------------|--|
| Selling adulterated milk (added water) | Convicted | 40/- and costs and Analyst's fee. |
| Do. (do.)..... | " | 10/- " " |
| Do. (do.)..... | " | 10/- " " |
| Do. (do.)..... | Withdrawn | Costs. |
| Do. (do.)..... | " | " |
| Do. (do.)..... | " | " |
| Do. (do.)..... | " | " |
| { Do. (added water) warranty question. | Dismissed | |
| { Do. (giving false warranty). | " | Costs. |
| Do. (fat abstracted)..... | Convicted | 10/- and costs and analyst's fee. |
| Do. (do.)..... | " | Costs and Analyst's fee. |
| Do. (do.)..... | " | " " |
| Do. (do.)..... | Dismissed | |
| Do. (containing Formaldehyde). | Convicted | " " |
| Do. (do.)..... | " | " " |
| Selling margarine for butter. | " | 10/- and costs and Analyst's fee. |
| { Selling margarine for butter. | " | £5 and costs and Advocate's and Analyst's fee. |
| { Delivering margarine to purchaser without label. | Withdrawn | |
| { Selling adulterated margarine. | Dismissed | Costs against the Corporation. |
| Selling adulterated demerara sugar. | Withdrawn | |
| Do..... | " | |
| Do..... | " | |
| For having diseased meat on premises. | Convicted | £5 and costs and Advocate's fee |
| { For an offence against Stockport Corporation Act, 1899, S. 58, and Stockport Corporation Act, 1905, S. 23 (drainage nuisance). | Withdrawn | Costs. |
| { Do. (do.)..... | " | Costs. |
| { For an offence against the Public Health Act, 1875, S. 91-94 (drainage nuisance).... | " | Costs. |
| { Do. (do.)..... | " | Costs. |
| Do. (do.)..... | " | Costs. |

Meteorological Observations.

The Meteorological Station, the instruments in which are the gift of Mr. T. Kay, J.P., of this town, is situated in the centre of the town, in the Town's Yard, off St. Petersgate. The instruments are as follows :—

1. Stevenson's screen, containing (a) maximum thermometer, (b) minimum thermometer (for shade temperature), (c) wet and dry bulb hygrometer (Mason's).
2. Campbell's sunshine recorder.
3. Five-inch rain gauge.
4. Black and bright bulb thermometers (for " radiation " temperatures).
5. Grass minimum thermometer.
6. One foot and four-feet earth thermometers.
7. Robinson's anemometer.
8. Standard mercurial barometer (Kew pattern).

The last-mentioned instrument is fixed in the office of the Medical Officer of Health at a height of 261 feet above sea level.

Readings of these instruments are taken at 9 a.m. each day, and are subsequently corrected and recorded in a register kept for that purpose.

A tabulated statement of the readings for 1913 is given herewith.

Weekly Means of Observations at the Borough Meteorological Observatory, Stockport.

LATITUDE 53° 24' 12" N. LONGITUDE 2° 9' 14" W.

Cistern of Barometer 261.56 feet and Top of Rain-gauge 185.7 feet above Mean Sea-Level.

| 1918 | Barometer reduced to Sea-level and 32° F. | Percentage Humidity at 32° F. | THERMOMETERS. | | | | | | | | | | Average Daily Rainfall. | Average Daily Sunshine. |
|----------|---|-------------------------------|---------------|------|--------|-----------------|-----------|------------------|--------------|-------------|---------|----|-------------------------|-------------------------|
| | | | SHADE | | | | Sun Heat. | Solar Radiation. | Grass (Min.) | UNDERGROUND | | | | |
| | | | Max. | Min. | Range. | Corrected Mean. | | | | 1 Foot. | 4 Feet. | | | |
| 1st Week | 29.881 | 93.0 | 47.0 | 38.0 | 7.8 | 43.421 | 49.0 | 56.0 | 33.0 | 42.0 | 46.0 | 13 | — | |
| 2nd " | 29.834 | 95.0 | 46.0 | 38.0 | 9.1 | 43.154 | 47.0 | 53.0 | 32.0 | 42.0 | 45.0 | 09 | — | |
| 3rd " | 29.512 | 97.0 | 40.0 | 31.0 | 8.6 | 35.839 | 44.0 | 55.0 | 23.0 | 38.0 | 45.0 | 06 | — | |
| 4th " | 29.589 | 95.0 | 44.0 | 35.0 | 10.0 | 40.268 | 47.0 | 52.0 | 29.0 | 39.0 | 44.0 | 12 | — | |
| 5th " | 29.802 | 92.0 | 42.0 | 32.0 | 8.8 | 37.211 | 45.0 | 52.0 | 26.0 | 39.0 | 44.0 | 13 | — | |
| 6th " | 29.873 | 89.0 | 50.0 | 39.0 | 10.2 | 44.214 | 53.0 | 62.0 | 33.0 | 41.0 | 43.0 | 09 | 0 30 | |
| 7th " | 30.398 | 97.0 | 48.0 | 35.0 | 13.5 | 40.596 | 53.0 | 64.0 | 29.0 | 41.0 | 44.0 | 06 | 0 10 | |
| 8th " | 30.314 | 89.0 | 41.0 | 33.0 | 9.9 | 36.254 | 50.0 | 64.0 | 24.0 | 39.0 | 44.0 | — | 2 15 | |
| 9th " | 29.959 | 89.0 | 47.0 | 34.0 | 12.2 | 39.900 | 50.0 | 62.0 | 26.0 | 39.0 | 43.0 | 04 | 0 20 | |
| 10th " | 29.893 | 88.0 | 41.0 | 39.0 | 12.2 | 44.057 | 61.0 | 72.0 | 32.0 | 42.0 | 43.0 | 11 | 1 30 | |
| 11th " | 30.079 | 93.0 | 49.0 | 37.0 | 12.1 | 41.993 | 58.0 | 73.0 | 30.0 | 42.0 | 43.0 | 17 | 2 15 | |
| 12th " | 29.330 | 83.0 | 46.0 | 33.0 | 12.5 | 39.007 | 60.0 | 83.0 | 27.0 | 40.0 | 44.0 | 18 | 2 15 | |
| 13th " | 29.734 | 84.0 | 49.0 | 36.0 | 11.9 | 41.789 | 60.0 | 82.0 | 28.0 | 41.0 | 43.0 | 06 | 1 0 | |
| 14th " | 29.906 | 87.0 | 53.0 | 40.0 | 14.1 | 44.771 | 67.0 | 86.0 | 32.0 | 43.0 | 43.0 | 04 | 3 30 | |
| 15th " | 30.031 | 88.0 | 47.0 | 38.0 | 10.2 | 41.114 | 61.0 | 79.0 | 31.0 | 43.0 | 44.0 | 09 | 1 0 | |
| 16th " | 29.628 | 88.0 | 51.0 | 49.0 | 9.9 | 43.829 | 60.0 | 84.0 | 32.0 | 44.0 | 44.0 | 19 | 2 15 | |
| 17th " | 29.754 | 82.0 | 50.0 | 43.0 | 16.1 | 49.146 | 72.0 | 93.0 | 35.0 | 47.0 | 45.0 | 11 | 2 30 | |
| 18th " | 29.691 | 85.0 | 57.0 | 44.0 | 13.1 | 48.846 | 72.0 | 89.0 | 35.0 | 48.0 | 46.0 | 28 | 1 0 | |
| 19th " | 29.345 | 85.0 | 55.0 | 44.0 | 10.7 | 48.085 | 66.0 | 85.0 | 35.0 | 48.0 | 46.0 | 14 | 1 15 | |
| 20th " | 29.979 | 71.0 | 62.0 | 44.0 | 18.8 | 51.782 | 79.0 | 107.0 | 34.0 | 51.0 | 47.0 | 03 | 4 0 | |
| 21st " | 29.943 | 87.0 | 58.0 | 45.0 | 11.0 | 49.350 | 69.0 | 91.0 | 38.0 | 50.0 | 45.0 | 11 | 1 15 | |
| 22nd " | 29.945 | 77.0 | 71.0 | 52.0 | 20.7 | 59.107 | 84.0 | 107.0 | 41.0 | 54.0 | 48.0 | 01 | 4 0 | |
| 23rd " | 29.885 | 78.0 | 66.0 | 50.0 | 15.6 | 56.282 | 78.0 | 105.0 | 39.0 | 55.0 | 50.0 | 10 | 5 0 | |
| 24th " | 29.970 | 87.0 | 61.0 | 48.0 | 11.6 | 51.814 | 73.0 | 99.0 | 40.0 | 53.0 | 50.0 | 12 | 2 45 | |
| 25th " | 30.023 | 80.0 | 71.0 | 54.0 | 17.3 | 59.896 | 82.0 | 108.0 | 45.0 | 57.0 | 51.0 | 03 | 3 15 | |
| 26th " | 30.069 | 92.0 | 63.0 | 51.0 | 11.4 | 54.725 | 72.0 | 94.0 | 43.0 | 56.0 | 52.0 | 06 | 1 45 | |
| 27th " | 30.178 | 93.0 | 66.0 | 55.0 | 11.3 | 57.768 | 72.0 | 92.0 | 47.0 | 57.0 | 52.0 | 01 | 0 45 | |
| 28th " | 29.887 | 91.0 | 62.0 | 50.0 | 11.3 | 53.564 | 75.0 | 96.0 | 43.0 | 55.0 | 52.0 | 06 | 1 0 | |
| 29th " | 29.946 | 94.0 | 66.0 | 54.0 | 12.4 | 57.243 | 78.0 | 100.0 | 48.0 | 57.0 | 53.0 | 04 | 1 0 | |
| 30th " | 30.134 | 87.0 | 65.0 | 51.0 | 14.1 | 55.543 | 79.0 | 102.0 | 42.0 | 57.0 | 53.0 | 01 | 3 15 | |
| 31st " | 30.140 | 91.0 | 73.0 | 53.0 | 19.0 | 58.864 | 82.0 | 104.0 | 44.0 | 61.0 | 54.0 | — | 5 15 | |
| 32nd " | 30.014 | 92.0 | 65.0 | 49.0 | 16.3 | 54.436 | 78.0 | 101.0 | 41.0 | 59.0 | 54.0 | 06 | 2 0 | |
| 33rd " | 29.986 | 96.0 | 66.0 | 53.0 | 12.3 | 57.396 | 77.0 | 98.0 | 45.0 | 58.0 | 55.0 | 03 | 0 30 | |
| 34th " | 30.046 | 93.0 | 66.0 | 52.0 | 14.9 | 56.489 | 77.0 | 100.0 | 43.0 | 58.0 | 55.0 | 17 | 2 30 | |
| 35th " | 30.005 | 90.0 | 73.0 | 54.0 | 17.9 | 60.739 | 83.0 | 109.0 | 45.0 | 58.0 | 55.0 | 03 | 4 30 | |
| 36th " | 30.061 | 86.0 | 65.0 | 54.0 | 12.9 | 58.332 | 78.0 | 102.0 | 47.0 | 58.0 | 55.0 | — | 3 0 | |
| 37th " | 30.011 | 86.0 | 66.0 | 51.0 | 14.6 | 57.603 | 80.0 | 102.0 | 43.0 | 57.0 | 55.0 | 03 | 2 15 | |
| 38th " | 29.618 | 95.0 | 63.0 | 50.0 | 12.4 | 54.686 | 71.0 | 91.0 | 42.0 | 55.0 | 55.0 | 06 | 2 15 | |
| 39th " | 29.952 | 95.0 | 68.0 | 55.0 | 13.0 | 59.104 | 78.0 | 99.0 | 48.0 | 56.0 | 55.0 | 10 | 2 0 | |
| 40th " | 29.920 | 98.0 | 65.0 | 54.0 | 10.7 | 57.957 | 76.0 | 98.0 | 47.0 | 57.0 | 55.0 | 01 | 3 15 | |
| 41st " | 29.688 | 99.0 | 56.0 | 49.0 | 8.2 | 50.950 | 62.0 | 78.0 | 40.0 | 53.0 | 55.0 | 07 | 0 45 | |
| 42nd " | 30.164 | 97.0 | 59.0 | 47.0 | 11.1 | 51.286 | 67.0 | 88.0 | 39.0 | 52.0 | 54.0 | 06 | 1 45 | |
| 43rd " | 29.835 | 93.0 | 55.0 | 43.0 | 13.9 | 46.829 | 64.0 | 87.0 | 34.0 | 50.0 | 53.0 | 04 | 2 0 | |
| 44th " | 29.468 | 94.0 | 57.0 | 46.0 | 10.1 | 50.818 | 66.0 | 88.0 | 39.0 | 49.0 | 52.0 | 09 | 2 15 | |
| 45th " | 29.610 | 96.0 | 53.0 | 41.0 | 13.2 | 45.204 | 59.0 | 82.0 | 34.0 | 47.0 | 52.0 | 03 | 0 30 | |
| 46th " | 29.358 | 97.0 | 52.0 | 43.0 | 8.6 | 46.550 | 59.0 | 81.0 | 36.0 | 46.0 | 51.0 | 19 | 0 15 | |
| 47th " | 29.895 | 96.0 | 53.0 | 44.0 | 10.1 | 48.098 | 55.0 | 78.0 | 38.0 | 47.0 | 50.0 | 12 | — | |
| 48th " | 30.149 | 96.0 | 50.0 | 41.0 | 7.8 | 45.000 | 54.0 | 76.0 | 36.0 | 45.0 | 50.0 | 05 | 0 10 | |
| 49th " | 29.748 | 96.0 | 46.0 | 39.0 | 8.1 | 42.400 | 49.0 | 69.0 | 35.0 | 46.0 | 49.0 | 16 | — | |
| 50th " | 30.028 | 97.0 | 50.0 | 42.0 | 7.2 | 46.079 | 50.0 | 71.0 | 38.0 | 44.0 | 48.0 | 05 | — | |
| 51st " | 30.336 | 94.0 | 46.0 | 41.0 | 5.2 | 43.768 | 49.0 | 67.0 | 37.0 | 44.0 | 48.0 | 03 | — | |
| 52nd " | 29.959 | 95.0 | 43.0 | 36.0 | 8.4 | 39.707 | 45.0 | 57.0 | 31.0 | 42.0 | 47.0 | 16 | — | |

Urban District of Heaton Norris.

REPORTS

OF THE

MEDICAL OFFICER OF HEALTH

(J. SCOTT TAGGART, M.B.)

AND OF THE

SANITARY INSPECTOR

(G. PILKINGTON, M.S.I.A.)

FOR THE YEAR 1913.

United States of America

REPORTS

MEDICAL OFFICE OF THE ARMY

DAVIDSON PUBLICATION

FOR THE YEAR 1918

Urban District of Heaton Norris.

Annual Report

FOR THE YEAR 1913.

| | |
|--|--------|
| Area of the District in Acres..... | 1619 |
| Population, Census, 1911..... | 11,240 |
| Population, estimated to middle of 1913..... | 11,680 |
| Death-rate per thousand of the Population..... | 10.0 |
| Birth-rate per thousand of the Population..... | 12.5 |
| Infantile Death-rate per thousand Births..... | 47.6 |
| Zymotic Death-rate..... | 0.08 |
| Phthisical Death-rate..... | 0.25 |

The Report is again satisfactory in recording a very low death-rate, a very low rate of infantile mortality, and a continued advance in the sanitary conditions of the District.

The tables required by the Local Government Board, marked I, II, III, and IV, will be found at the end of the Report.

The population of the District at the middle of the year 1913 is estimated at 11,680, an increase of 198 over last year, and the various rates given in this Report are calculated upon these figures. This number has been obtained in the usual way from the figures obtained at the last Census (April, 1911), 11,240, and the figures of the Census taken in 1901, 9474. The excess of births over deaths, or natural increase of the population, was 30, as against 15 last year.

During the year 145 births were registered, 69 males and 76 females, equivalent to a birth-rate of 12.4 per 1000 of the population. Three births were transferred into the District, and one was transferred out, bringing the number of births to 147, and giving a corrected birth-rate of 12.5.

The infantile mortality rate (deaths under one year per 1000 births) is only 47.6, the lowest yet recorded for the District.

One hundred and fourteen deaths were registered during the year, equivalent to a rate of 9.7 per 1000. Non-residents accounted for 15, and there were in addition 14 inward transfers, giving an actual death-rate of 9.6 per 1000. As only 11 of the 15 non-residents have been allowed, the death-rate in the L.G.B. Tables is 10.0.

COMPARATIVE VITAL STATISTICS FOR 1913.

| <i>Area.</i> | <i>Birth Rate.</i> | <i>Death Rate.</i> | <i>Infantile Mortality.</i> |
|--|------------------------|------------------------|---------------------------------|
| England and Wales..... | 23.9 | 13.4 | 109 |
| 96 Great Towns..... | 25.1 | 14.7 | 117 |
| 145 Smaller Towns..... | 23.9 | 13.0 | 112 |
| England and Wales less the 241 Towns..... | 22.3 | 12.1 | 96 |
| HEATON NORRIS..... | 12.5 | 9.6 | 47.6 |

The following table gives the whole of the deaths from the year 1904 to 1913, arranged in groups according to age.

| <i>Percentage Deaths.</i> | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|
| Under 1 year | 19.4 | 12.1 | 19.6 | 10.6 | 12.8 | 11.5 | 15.5 | 11.6 | 7.2 | 6.1 |
| Between 1 & 5 years.... | 10.1 | 5.6 | 4.6 | 5.3 | 6.4 | 6.6 | 5.4 | 1.7 | 0.9 | 3.5 |
| Between 5 & 15 years... | 1.8 | 2.8 | 1.8 | 5.3 | 2.4 | 2.4 | 3.3 | 0.89 | 3.6 | 2.6 |
| Between 15 & 25 years... | 2.7 | 0.9 | 4.6 | 7.4 | 4.0 | 4.1 | 4.4 | 4.4 | 2.7 | 3.5 |
| Between 25 & 65 years... | 33.3 | 42.9 | 40.1 | 31.9 | 37.6 | 38.8 | 37.7 | 33.9 | 36.9 | 37.1 |
| Over 65 years | 32.4 | 35.5 | 28.9 | 39.3 | 36.8 | 36.3 | 33.3 | 47.2 | 48.6 | 46.9 |
| Total deaths in the year. | 108 | 107 | 107 | 94 | 125 | 121 | 90 | 112 | 111 | 113 |

TABLE OF CAUSES OF DEATH UNDER ONE YEAR FROM
1904-1913.

| <i>Class.</i> | <i>Name.</i> | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
|---------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Pulmonary Disease</i> | Bronchitis and Pneumonia..... | 5 | 1 | 4 | 0 | 4 | 2 | 0 | 1 | 0 | 1 |
| <i>Infectious Disease</i> | Whooping Cough.... | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| | Tuberculosis..... | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| | Scarlet Fever..... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Diet Diseases</i> | Diarrhœa..... | 5 | 1 | 3 | 2 | 0 | 0 | 0 | 4 | 0 | 0 |
| | Gastro Enteritis..... | 1 | 1 | 4 | 0 | 4 | 3 | 2 | 2 | 0 | 2 |
| | Marasmus..... | 0 | 3 | 4 | 1 | 3 | 3 | 3 | 0 | 0 | 1 |
| | Convulsions..... | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| | Rickets..... | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Congenital Disease</i> | Injury at Birth..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | Premature Birth..... | 0 | 1 | 0 | 4 | 2 | 5 | 2 | 1 | 6 | 1 |
| | Congenital Defects... | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| | Other Causes..... | 10 | 1 | 0 | 2 | 0 | 0 | 3 | 3 | 1 | 1 |
| Totals..... | | 21 | 13 | 21 | 10 | 16 | 14 | 14 | 13 | 8 | 7 |

The Notification of Births Act has not been adopted.

CAUSES OF DEATH AT ALL AGES FROM 1904 TO 1913.

| <i>Diseases.</i> | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
|---|------|------|------|------|------|------|------|------|------|------|
| Small Pox..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Measles..... | 3 | 1 | .. | 1 | .. | .. | .. | .. | .. | .. |
| Scarlet Fever..... | .. | .. | .. | .. | .. | 3 | 1 | 1 | .. | .. |
| Diphtheria and Mem- branous Croup..... | .. | 1 | 4 | .. | 3 | 1 | .. | 1 | .. | .. |
| Whooping Cough..... | 1 | 1 | .. | 1 | 2 | .. | .. | 2 | 1 | 1 |
| Erysipelas..... | .. | .. | 1 | 1 | .. | .. | .. | .. | .. | .. |
| Epidemic Influenza..... | .. | .. | .. | 3 | 3 | 2 | 3 | .. | 2 | 3 |
| Diarrhœa and Enteritis.... | 5 | 1 | 8 | 3 | 3 | .. | .. | 10 | .. | 4 |
| Phthisis and Tuberculosis | 4 | 17 | 9 | 6 | 11 | 12 | 8 | 8 | 9 | 6 |
| Cancer..... | 7 | 7 | 11 | 7 | 9 | 8 | 7 | 14 | 12 | 14 |
| Bronchitis and Broncho Pneumonia..... | 14 | 8 | 9 | 6 | 10 | 6 | 5 | 12 | 11 | 10 |
| Pneumonia..... | 6 | 10 | 6 | 9 | 7 | 14 | 6 | 9 | 5 | 6 |
| Heart Disease..... | 13 | 8 | 13 | 7 | 15 | 8 | 10 | 6 | 6 | 16 |
| Alcoholism and Cirrhosis of the Liver..... | 2 | 3 | 1 | 1 | 6 | 3 | 2 | 2 | 4 | 2 |
| Nephritis and Bright's Disease..... | .. | .. | .. | .. | .. | .. | .. | 4 | 3 | 7 |
| Injuries..... | 2 | 4 | 1 | 2 | 4 | 1 | 2 | 2 | 3 | 6 |
| All other Causes..... | 51 | 46 | 44 | 47 | 52 | 63 | 46 | 41 | 55 | 38 |
| Totals..... | 108 | 107 | 107 | 94 | 125 | 121 | 90 | 112 | 111 | 113 |

All the deaths were certified; 10 inquests were held in the District, 7 upon residents and 3 upon non-residents.

The following table gives for comparison the number of deaths and rates per 1000 of the population for the previous ten years from Zymotic Diseases, Pulmonary Diseases, Tuberculosis, and Cancer :—

| | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 |
|--|------|------|------|------|------|------|------|------|------|------|
| Total Deaths from Zymotic Diseases.... | 9 | 4 | 12 | 5 | 8 | 4 | 1 | 14 | 1 | 1 |
| Zymotic Death Rate.... | 0.8 | 0.3 | 1.1 | 0.4 | 0.6 | 0.3 | 0.08 | 1.2 | 0.08 | 0.08 |
| Total Deaths from Pul- monary Diseases..... | 21 | 21 | 16 | 17 | 18 | 21 | 12 | 23 | 19 | 18 |
| Pulmonary Death Rate | 2.0 | 1.9 | 1.4 | 1.5 | 1.5 | 1.7 | 0.9 | 2.03 | 1.6 | 1.5 |
| Total Deaths from Phthisis..... | 2 | 15 | 4 | 4 | 7 | 8 | 2 | 6 | 9 | 3 |
| Phthisis Death Rate.... | 0.19 | 1.3 | 0.36 | 0.35 | 0.5 | 0.65 | 0.16 | 0.5 | 0.78 | 0.25 |
| Total Deaths from Tuber- cular Disease (includ- ing Phthisis)..... | 4 | 17 | 9 | 6 | 11 | 12 | 8 | 8 | 9 | 6 |
| Tuberculosis Death Rate | 0.3 | 1.5 | 0.8 | 0.5 | 0.9 | 0.9 | 0.6 | 0.7 | 0.78 | 0.51 |
| Total Deaths from Cancer | 7 | 7 | 11 | 7 | 9 | 8 | 7 | 14 | 12 | 14 |
| Cancer Death Rate.... | 0.6 | 0.6 | 1.0 | 0.6 | 0.7 | 0.6 | 0.5 | 1.2 | 1.04 | 1.19 |

NOTIFICATION OF INFECTIOUS DISEASE.

During the year there was again a great diminution in the number of cases notified. Excluding pulmonary and other tuberculosis, 24 cases were notified. The following table gives the incidence of the several diseases for the past ten years :—

| <i>Disease.</i> | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | <i>Average for 10 years.</i> |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|
| Small Pox..... | 5 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Scarlet Fever.... | 21 | 51 | 18 | 40 | 28 | 40 | 48 | 61 | 39 | 13 | 35.9 |
| Diphtheria..... | 4 | 4 | 5 | 3 | 14 | 1 | 5 | 4 | 6 | 5 | 5.1 |
| Enteric Fever.... | 2 | 1 | 2 | 8 | 3 | .. | .. | .. | .. | 2 | 1.8 |
| Puerperal Fever.. | 1 | .. | .. | .. | .. | .. | .. | 1 | 2 | .. | .. |
| Erysipelas..... | 3 | 10 | 8 | 6 | 4 | 5 | 4 | 3 | 4 | 2 | 4.9 |
| Ophthalmia Neonatorum... | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. |
| *Poliomyelitis.... | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. |
| Totals..... | 36 | 66 | 33 | 57 | 49 | 46 | 57 | 70 | 51 | 24 | 48.9 |

* Poliomyelitis notifiable for the first time this year.

Where isolation was impracticable at home, removal to hospital was carried out. The remaining cases were more or less satisfactorily isolated at home. In the next table are given the figures for the last ten years, arranged to show the number of cases notified, the number removed to hospital, the percentage of cases so removed, and the incidence per 1000 of the population for infectious disease.

| <i>Year.</i> | <i>Cases Notified.</i> | <i>Number removed to Hospital.</i> | <i>Percentage removed.</i> | <i>Case rate per 1000 of the population.</i> |
|--------------|----------------------------|--|--------------------------------|--|
| 1904 | 36 | 9 | 25.0 | 3.4 |
| 1905 | 66 | 22 | 33.3 | 6.0 |
| 1906 | 33 | 7 | 21.2 | 3.0 |
| 1907 | 57 | 19 | 33.3 | 5.0 |
| 1908 | 49 | 16 | 32.6 | 4.1 |
| 1909 | 46 | 10 | 21.7 | 3.7 |
| 1910 | 57 | 7 | 12.2 | 4.6 |
| 1911 | 70 | 15 | 21.4 | 6.2 |
| 1912 | 51 | 18 | 35.2 | 4.4 |
| 1913 | 24 | 5 | 20.8 | 2.05 |

The cases are removed to the Salford Sanatorium, at Ladywell, Eccles, where we have six beds available for cases of scarlet fever, diphtheria, and enteric fever. In addition to this accommodation we have jointly with the Cheadle Urban Authority (Cheshire) a small pox hospital for the reception of cases from this District, with accommodation for 18 patients; we have also two beds at the Hyde Small Pox Hospital.

The monthly incidence of infectious disease will be found in the Sanitary Inspector's Report.

CASES OF SCARLET FEVER, 1904-1913.

| <i>Year.</i> | <i>Number Notified.</i> | <i>Number removed to Hospital.</i> | <i>Percentage Removed.</i> | <i>Incidence per 1000 of the population.</i> |
|-------------------------|-----------------------------|--|--------------------------------|--|
| 1904..... | 21 | 5 | 23.8 | 2.0 |
| 1905..... | 51 | 18 | 35.2 | 4.7 |
| 1906..... | 18 | 7 | 38.8 | 1.6 |
| 1907..... | 40 | 10 | 25.0 | 3.6 |
| 1908..... | 28 | 12 | 42.8 | 2.4 |
| 1909..... | 40 | 10 | 25.0 | 3.2 |
| 1910..... | 48 | 7 | 14.5 | 3.8 |
| 1911..... | 61 | 14 | 22.9 | 5.4 |
| 1912..... | 39 | 17 | 43.5 | 3.47 |
| 1913..... | 13 | 4 | 30.7 | 1.1 |
| Average for 10 years | 35.9 | 10.4 | 28.9 | 3.1 |

CASES OF DIPHTHERIA, YEARS 1904-1913.

| <i>Year.</i> | <i>Number Notified.</i> | <i>Number removed to Hospital.</i> | <i>Percentage removed.</i> | <i>Incidence per 1000 of the population.</i> |
|------------------------------|-----------------------------|--|--------------------------------|--|
| 1904..... | 4 | 0 | .. | 0.3 |
| 1905..... | 4 | 2 | 50.0 | 0.3 |
| 1906..... | 5 | 0 | .. | 0.4 |
| 1907..... | 3 | 1 | 33.3 | 0.2 |
| 1908..... | 14 | 4 | 28.5 | 1.1 |
| 1909..... | 1 | 0 | .. | 0.08 |
| 1910..... | 5 | 0 | .. | 0.4 |
| 1911..... | 4 | 1 | 25.0 | 0.3 |
| 1912..... | 6 | 1 | 16.6 | 0.53 |
| 1913..... | 5 | 1 | 20.0 | 0.4 |
| Average for 10 years..... | 5.1 | 1.0 | 19.6 | 0.4 |

PULMONARY TUBERCULOSIS.

The sex distribution of the 14 cases of pulmonary tuberculosis was 6 males and 8 females, and of the 13 cases of other forms of tuberculosis 3 males and 10 females. The age distribution will be found in Table II at the end of this report.

Upon receipt of the notification, enquiries are made either by the Sanitary Inspector or through the attending medical man, as to the previous history, possible cause, etc., sanitary conditions, or sanitary needs of the house, etc., leaflets are also left, of instructions for the occupants and for the patient. Disinfection of rooms is carried out by the Local Authority when required, clothing and bedding is sterilized at the Ladywell Sanatorium. In all cases after death or removal the rooms are disinfected and the walls stripped. To facilitate disinfection after death, the Registrar has arranged to notify me immediately he registers a death from this disease.

BACTERIOLOGICAL EXAMINATIONS MADE FOR THE URBAN
DISTRICT OF HEATON NORRIS during the year 1913, at the
Public Health Laboratory, University of Manchester.

| <i>Month.</i> | <i>Diphtheria.</i> | | | <i>Typhoid Fever.</i> | | | <i>Tuberculosis- Sputum.</i> | | |
|----------------|--------------------|---|-------|---------------------------|---|-------|----------------------------------|---|-------|
| | † | — | Total | † | — | Total | † | — | Total |
| January..... | . | . | . | . | . | . | 1 | 2 | 3 |
| February..... | . | . | . | . | . | . | 1 | 1 | 2 |
| March..... | . | 3 | 3 | . | . | . | 1 | . | 1 |
| April..... | . | 1 | 1 | . | 1 | 1 | 1 | . | 1 |
| May..... | . | 1 | 1 | . | . | . | 2 | . | 2 |
| June..... | . | . | . | 1 | . | 1 | 1 | . | 1 |
| July..... | . | . | . | . | . | . | . | . | . |
| August..... | . | 1 | 1 | . | . | . | 1 | 1 | 2 |
| September..... | . | . | . | . | . | . | . | 1 | 1 |
| October..... | . | 1 | 1 | . | . | . | . | . | . |
| November..... | . | . | . | . | . | . | . | . | . |
| December..... | . | . | . | . | . | . | . | . | . |
| Totals..... | . | 7 | 7 | 1 | 1 | 2 | 8 | 5 | 13 |

† Positive reaction. — Negative reaction.

and one examination of milk for tubercle bacilli with a negative result.

J. SCOTT TAGGART.

May 22nd, 1914.

TABLE I.
VITAL STATISTICS OF WHOLE DISTRICT DURING 1913 AND PREVIOUS YEARS.
Name of District—HEATON NORRIS.

| Year. | Population estimated to Middle of each Year. | Births. | | | Total Deaths registered in the District. | | Transferable Deaths. | | Nett Deaths belonging to the District. | | | |
|-------|--|----------------------------------|--------|-------|--|-------|---|--|---|-------------------------------------|--------------|---------|
| | | Un- cor- rected Number. | Nett. | | Number. | Rate. | of Non- residents registered in the District. | of Resi- dents not registered in the District. | Under 1 Year of of Age. | | At all Ages. | |
| | | | Number | Rate. | | | | | Number. | Rate per 1000 Nett Births. | | |
| | | | | | | | | | | | | Number. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1908 | 11,731 | 153 | 153 | 13.0 | 132 | 11.25 | 18 | 11 | 16 | 104 | 125 | 10.6 |
| 1909 | 12,173 | 169 | 169 | 13.8 | 120 | 9.8 | 14 | 15 | 14 | 82 | 121 | 9.9 |
| 1910 | 12,370 | 153 | 153 | 12.3 | 94 | 7.5 | 13 | 9 | 14 | 91 | 90 | 7.2 |
| 1911 | 11,288 | 148 | 148 | 13.1 | 113 | 10.0 | 6 | 8 | 13 | 87.8 | 115 | 10.1 |
| 1912 | 11,482 | 123 | 126 | 10.9 | 110 | 9.5 | 17 | 18 | 8 | 63.4 | 111 | 9.6 |
| 1913 | 11,680 | 145 | 147 | 12.5 | 114 | 9.7 | 11 | 14 | 7 | 47.6 | 117 | 10.0 |

Total population at all ages, 11,240. Area of District in acres (land and inland water), 1619. } At Census, 1911.
Number of inhabited houses, 2535. Average number of persons per house, 4.43.

TABLE II.
CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1913.
Name of District—HEATON NORRIS.

| Notifiable Disease. | Number of Cases Notified. | | | | | | | Total Cases Notified in each Ward of the District. | | | | Total Cases removed to Hos- pital. | |
|---|---------------------------|----------|----------------------|-----------------------|------------------------|------------------------|------------------------|--|----------------|-------------------|-------------------|---------------------------------------|----------------|
| | At all Ages. | Under 1. | 1 and under 5 years. | 5 and under 15 years. | 15 and under 25 years. | 25 and under 45 years. | 45 and under 65 years. | 65 and up-wards. | Heaton Chapel. | Heaton Moor East. | Heaton Moor West. | | Heaton Mersey. |
| Small-pox..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Cholera | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Diphtheria (including Membranous croup) | 5 | .. | .. | 3 | 2 | .. | .. | .. | 1 | 2 | .. | 2 | 1 |
| Erysipelas..... | 2 | .. | .. | .. | .. | 1 | 1 | .. | 1 | 1 | .. | .. | .. |
| Scarlet Fever..... | 13 | .. | 4 | 7 | 2 | .. | .. | .. | 1 | 8 | 3 | 1 | 4 |
| Typhus Fever..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Enteric Fever..... | 2 | .. | .. | 1 | .. | .. | 1 | .. | 1 | .. | 1 | .. | .. |
| Relapsing Fever..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Continued Fever..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Puerperal Fever..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Cerebro-spinal Men- ingitis..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Polio-myelitis..... | 2 | .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | .. | .. | .. |
| Pulmonary Tuberculosis..... | 14 | .. | .. | 1 | 2 | 8 | 3 | .. | 3 | 3 | 2 | 6 | .. |
| Other forms of Tuber- culosis..... | 13 | 1 | 1 | 1 | 6 | 3 | 1 | .. | 3 | 2 | 3 | 5 | .. |
| Totals..... | 51 | 1 | 6 | 14 | 12 | 12 | 6 | .. | 11 | 17 | 9 | 14 | 5 |

Isolation Hospital or Hospitals, Sanatoria, &c.—Ladywell Sanatorium, Eccles, for diphtheria, scarlatina, and enterica; Hyde Small-pox Hospital and Joint Hospital (with Cheadle U.D.) for Smallpox.

CAUSES OF, AND AGES AT DEATH DURING THE YEAR, 1913.

| 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 years. | 2 and under 5 years. | 5 and under 15 years. | 15 and under 25 years. | 25 and under 45 years. | 45 and under 65 years. | 65 and upwards. | | |
| All causes } Certified... | 117 | 7 | 3 | 1 | 3 | 4 | 14 | 32 | 53 | 12 | |
| causes } Uncertified | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Whooping Cough.... | 1 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | |
| Influenza..... | 3 | .. | .. | .. | .. | .. | .. | .. | 3 | .. | |
| Phthisis (Pulmonary Tuberculosis)..... | 3 | .. | .. | .. | .. | 1 | 2 | .. | .. | .. | |
| Tubercular Meningitis..... | 2 | .. | .. | .. | 2 | .. | .. | .. | .. | .. | |
| Other Tubercular Diseases..... | 1 | .. | .. | .. | .. | 1 | .. | .. | .. | .. | |
| Cancer, malignant disease..... | 14 | .. | .. | .. | .. | .. | .. | 7 | 7 | .. | |
| Rheumatic Fever... | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | .. | |
| Organic Heart Disease..... | 16 | .. | .. | .. | 1 | 1 | 3 | 5 | 6 | .. | |
| Bronchitis..... | 11 | 1 | .. | .. | .. | .. | 1 | 3 | 6 | 1 | |
| Pneumonia (all forms)..... | 6 | .. | .. | .. | .. | .. | 1 | 4 | 1 | .. | |
| Other Diseases of Respiratory Organs..... | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | |
| Diarrhœa and Enteritis..... | 4 | 2 | 1 | .. | .. | .. | .. | .. | 1 | .. | |
| Appendicitis and Typhlitis..... | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | |
| Cirrhosis of Liver | 2 | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | |
| Nephritis and Bright's Disease. | 7 | .. | .. | 1 | .. | .. | .. | 1 | 5 | .. | |
| Other Accidents and Diseases of Pregnancy and Parturition..... | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | |
| Congenital Debility and Malformation, including Premature Birth.... | 2 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | |
| Violent Deaths, excluding Suicide..... | 4 | 1 | .. | .. | .. | .. | 3 | .. | .. | .. | |
| Suicide..... | 1 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | |
| Other Defined Diseases..... | 27 | .. | 1 | .. | .. | 1 | 3 | .. | 14 | 10 | |
| Diseases ill-defined or unknown..... | 9 | .. | .. | .. | .. | .. | .. | 1 | 8 | .. | |
| Totals..... | 117 | 7 | 3 | 1 | 3 | 4 | 14 | 32 | 53 | 12 | |

TABLE IV.

HEATON NORRIS URBAN DISTRICT.
INFANT MORTALITY.

1913. Nett Deaths from stated causes at various Ages under 1 Year of Age.

| <i>Causes of Death.</i> | <i>Under 1 Week.</i> | <i>1-2 wks.</i> | <i>2-3 wks.</i> | <i>3-4 wks.</i> | <i>Total under 4 wks.</i> | <i>4 wks. and under 3 mths.</i> | <i>3 mths. and under 6 mths.</i> | <i>6 mths. and under 9 mths.</i> | <i>9 mths. and under 12 mths.</i> | <i>Total Deaths under 1 year.</i> |
|--|----------------------|-----------------|-----------------|-----------------|---------------------------|---------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| All causes (Certified | 3 | 2 | .. | .. | 5 | 1 | 1 | .. | .. | 7 |
| Uncertified... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Small-pox..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Chicken-pox..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Measles..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Scarlet Fever..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Whooping-Cough..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Diphtheria and Croup... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Erysipelas..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Tuberculous Meningitis.. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Abdominal Tuberculosis. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Other Tuberculous Diseases..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Meningitis (<i>not Tuberculous</i>)..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Convulsions..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Laryngitis..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Bronchitis..... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 1 |
| Pneumonia (all forms)... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Diarrhoea..... | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 |
| Enteritis..... | 1 | .. | .. | .. | 1 | .. | .. | .. | .. | 1 |
| Gastritis..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Syphilis..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Rickets..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Suffocation, overlying... | 1 | .. | .. | .. | 1 | .. | .. | .. | .. | 1 |
| Injury at Birth..... | 1 | .. | .. | .. | 1 | .. | .. | .. | .. | 1 |
| Atelectasis..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Congenital Malformations..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Premature Birth..... | .. | 1 | .. | .. | 1 | .. | .. | .. | .. | 1 |
| Atrophy Debility, and Marasmus..... | .. | 1 | .. | .. | 1 | .. | .. | .. | .. | 1 |
| Other Causes..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Totals..... | 3 | 2 | .. | .. | 5 | 1 | 1 | .. | .. | 7 |

Nett Births in the year :—Legitimate, 144 ; illegitimate, 3.

Nett Deaths in the year :—Legitimate, 7 ; illegitimate, —.

1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORK-PLACES.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

| <i>Premises.</i> (1) | <i>Number of</i> | | |
|---|----------------------------|--------------------------------|-----------------------------|
| | <i>Inspections.</i> (2) | <i>Written Notices.</i> (3) | <i>Prosecutions.</i> (4) |
| Factories (including Factory Laundries)..... | 25 | Nil | Nil |
| Workshops (including Workshop Laundries)..... | 220 | Nil | Nil |
| Workplaces (other than Outworkers' premises included in Part 3 of this Report)..... | — | — | — |
| Total..... | 245 | Nil | Nil |

2.—DEFECTS.

| <i>Particulars.</i> (1) | <i>Number of Defects.</i> | |
|---|---------------------------|-------------------------|
| | <i>Found.</i> (2) | <i>Remedied.</i> (3) |
| <i>Nuisances under Public Health Acts :- *</i> | | |
| Want of Cleanliness..... | 2 | 2 |
| Sanitary Accommodation unsuitable or defective..... | 1 | 1 |
| Total..... | 3 | 3 |

* Including those specified in Sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

3.—HOME WORK.—Nil.

4.—REGISTERED WORKSHOPS.

Workshops on the Register (S. 131) at the end of the year :—

| | |
|--------------------------------------|---|
| Bakehouses..... | 7 |
| Joiners and Builders..... | 8 |
| Electricians..... | 1 |
| Tailors..... | 2 |
| Cabinet Makers and Upholsterers..... | 2 |
| Mews..... | 3 |
| Laundries..... | 1 |
| Milliners and Dressmakers..... | 6 |
| Boot and Shoe Repairers..... | 5 |
| Motor and Cycle Works..... | 5 |

 Total number of Workshops on Register. 40

5. OTHER MATTERS.

| <i>Class.</i> (1) | <i>Number.</i> (2) |
|--|-----------------------|
| Matters notified to H.M. Inspector of Factories :— | |
| Failure to affix Abstract of the Factory and Workshop Acts (S. 133, 1901)..... | Nil |
| Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts (S. 5, 1901) :— | |
| Notified by H.M. Inspector..... | Nil |
| Reports (of action taken) sent to H.M. Inspector. | Nil |
| Other..... | Nil |
| Underground Bakehouses (S. 101) :— | |
| Certificates granted during the year..... | Nil |
| In use at the end of the year..... | 1 |

(Signed) J. SCOTT TAGGART,

Medical Officer of Health.

May 22nd, 1914.

COUNCIL OFFICES,

HEATON MOOR.

MARCH, 1914.

TO THE MEDICAL OFFICER OF HEALTH.

Sir,

I herewith submit my report of the sanitary work carried out in the late Heaton Norris Urban District Council's area for the year ending December 31st, 1913.

The total number of visits made to premises was 1856. This number is irrespective of the visits paid in regard to the work of house refuse removal, but includes visits to workshops, dairies, cowsheds, slaughter-houses, etc., etc., and also visits to the various works in progress.

During the year considerable attention has been paid to the nuisances arising from the foul and defective condition of the privies and ashpits in the district. Sixty-eight privies having been abolished or converted into water closets, and 91 open ashpits have been replaced with dustbins, the number of dustbins provided totalled 253.

No new work is covered up before being inspected, and in the case of drains tested with either smoke or water.

From the months of July to September inclusive a weekly removal of manure from stables, &c., was insisted upon, and was carried out with one or two exceptions, which were suitably dealt with.

Two cases of overcrowding were met with during the year, but immediate and successful steps were taken to abate the nuisances.

In one of the cases a family of eight persons were occupying a small house at Moor Top. The average sleeping accommodation per person was 257 cubic feet of air space. The other occurred in Vale Road, where a family of five persons, two males and three females, occupied one bedroom, and the average air space per person was 264 cubic feet. In this case the bedding was literally black from filth, and several dogs were kept in the cellar and the stench from the same was unbearable.

The work in the undermentioned summary was carried out without any friction whatever, it not being necessary to seek magisterial assistance in any of the matters dealt with.

One hundred and three informal notices and only 16 statutory notices were served. The number of interviews with owners and contractors totalled 144.

Summary of nuisances dealt with during the year is as follows :—

| | |
|---|-----|
| Houses, drains repaired or reconstructed..... | 37 |
| " roofs and eaves gutters repaired..... | 5 |
| " floors repaired, etc..... | 128 |
| " firegrates provided and repaired..... | 6 |
| " overcrowding abated..... | 2 |
| " windows made to open..... | 12 |

| | |
|---|-----|
| Houses, through ventilation provided..... | 16 |
| „ back-to-back converted into through houses..... | 24 |
| „ staircases repaired or renewed..... | 14 |
| „ staircases taken out..... | 12 |
| „ without accommodation for refuse..... | 3 |
| „ damp walls remedied..... | 28 |
| „ cleansed..... | 47 |
| „ rooms stripped of wall paper after infectious diseases | 28 |
| Downspouts disconnected from drains..... | 44 |
| „ „ soilpipes..... | 6 |
| Soilpipes and ventilating shafts repaired..... | 6 |
| New soilpipes and ventilating shafts provided..... | 24 |
| Sink wastepipes repaired or renewed..... | 19 |
| Privy closets converted to water closets or abolished..... | 68 |
| Earth closet converted to water closet..... | 1 |
| Dry or open ashpits abolished..... | 91 |
| Dustbins provided..... | 253 |
| Defective bins remedied..... | 11 |
| Cellar floors concreted or repaired..... | 12 |
| Washdown pedestal closets substituted for obsolete patterns.. | 8 |
| Flooded cellars remedied..... | 2 |
| Defective water closets remedied..... | 4 |
| Cesspool abolished | 1 |
| Urinal repaired..... | 1 |
| Yards concreted or repaired | 4 |
| Chimney firing..... | 6 |
| Accumulations or refuse or manure..... | 7 |
| Smoke observations taken..... | 7 |
| Caravans inspected..... | 2 |
| Complaints received..... | 53 |
| Miscellaneous..... | 31 |

INFECTIOUS DISEASES.

The following table shows the number of cases dealt with each month and a comparison with the previous year.

| <i>Month.</i> | <i>Scarlet Fever.</i> | <i>Typhoid Fever.</i> | <i>Diphtheria.</i> | <i>Erysipelas.</i> | <i>Smallpox.</i> | <i>Ophthalmia Neonatorum.</i> | <i>Puerperal Fever.</i> | <i>Polio-myelitis.</i> | <i>Tuberculosis.</i> | <i>Total.</i> | <i>Removed to Hospital.</i> |
|----------------|-----------------------|-----------------------|--------------------|--------------------|------------------|-------------------------------|-------------------------|------------------------|----------------------|---------------|-----------------------------|
| January..... | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | 2 | .. |
| February..... | .. | .. | .. | .. | .. | .. | .. | .. | 6 | 6 | .. |
| March..... | 1 | .. | 3 | .. | .. | .. | .. | .. | .. | 4 | 1 |
| April..... | .. | .. | .. | .. | .. | .. | .. | .. | 4 | 4 | .. |
| May..... | 2 | .. | .. | .. | .. | .. | .. | .. | 5 | 7 | 2 |
| June..... | .. | 1 | 1 | 1 | .. | .. | .. | .. | 4 | 7 | .. |
| July..... | 4 | .. | .. | .. | .. | .. | .. | .. | 1 | 5 | 1 |
| August..... | 1 | .. | 1 | .. | .. | .. | .. | 1 | 1 | 4 | .. |
| September..... | 1 | .. | .. | .. | .. | .. | .. | 1 | 2 | 4 | 1 |
| October..... | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 2 | .. |
| November..... | 2 | 1 | .. | 1 | .. | .. | .. | .. | 1 | 5 | .. |
| December..... | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. |
| 1913..... | 13 | 2 | 5 | 2 | .. | .. | .. | 2 | 27 | 51 | 5 |
| 1912..... | 39 | .. | 6 | 4 | .. | .. | 2 | .. | 23 | 74 | 18 |

During the year 98 visits were paid to infected houses, 25 lots of bedding were removed for disinfection by steam, and 61 rooms were fumigated. Of these, 28 rooms had the paper stripped from the walls after fumigation.

HOUSING ACTS.

Previous to the year 1912 no action has apparently been taken in this district under these Acts. Since then the following statement of work has been carried out :—

| | 1912. | 1913. |
|---|-------|-------|
| Number of houses inspected..... | 107 | 14 |
| „ „ considered unfit for habitation..... | 24 | 3 |
| „ closing orders made..... | 2 | 1 |
| „ houses in which defects were remedied without closing orders..... | 53 | 46 |
| „ back-to-back houses converted into through houses..... | — | 24 |

The details of the various defects remedied are included in the “ Summary of Nuisances ” of this report.

The chief improvement during the year was the conversion of the 22 back-to-back houses in Jersey Place, Heaton Mersey, into through houses.

This work was done without the necessity of closing orders being served.

There are now no back-to-back houses in the district.

SALE OF FOOD AND DRUGS ACTS.

The number of samples purchased in the District during the year numbered 41, and all were certified on analysis to be genuine.

Details of the various samples obtained is given in the undermentioned table :—

| <i>Number of Samples purchased.</i> | <i>Description of Sample.</i> | <i>Genuine.</i> | <i>Otherwise.</i> | <i>Remarks.</i> |
|-------------------------------------|-------------------------------|-----------------|-------------------|-----------------|
| 1 | Rice..... | 1 | .. | .. |
| 4 | Butter..... | 4 | .. | .. |
| 3 | Margarine..... | 3 | .. | .. |
| 1 | Sago..... | 1 | .. | .. |
| 1 | Cheese..... | 1 | .. | .. |
| 3 | Lard..... | 3 | .. | .. |
| 25 | Milk..... | 25 | .. | .. |
| 1 | Coffee..... | 1 | .. | .. |
| 1 | Ginger..... | 1 | .. | .. |
| 1 | Pepper..... | 1 | .. | .. |

The Board of Agriculture recommend that three samples per 1000 of the population should be taken and this has been slightly exceeded.

DAIRIES, COWSHEDS, AND MILKSHOPS.

The number of names on the register as cowkeepers or purveyors of milk are :—

10 cowkeepers.

7 purveyors of milk.

The number of visits to these premises during the year totalled 189, and in only two instances was it necessary to call attention to the regulations for limewashing.

One farm was entirely redrained and two privies converted into water closets.

At Walton Farm the owner has decided to raze the whole of the buildings to the ground, and to erect a model dairy farm, plans of which are now being proceeded with.

SLAUGHTER-HOUSES.

There are only two slaughter-houses in the District, one registered and the other licensed. One hundred and forty-four visits have been made to these premises, as often as possible during the process of slaughtering.

By far the largest amount of meat sold in the district is brought from the Manchester City Abattoirs, and this has been kept under observation by periodically inspecting the butcher's shops.

Only one seizure of unsound meat was made during the year. In this case the firm had 11 lbs. of putrid meat exposed for sale. Proceedings were instituted and the defendants were fined £5 and costs.

FACTORY AND WORKSHOP ACTS.

The number of factories and workshops within the District is 45, comprised as follows :—

| | |
|--------------------------------------|----|
| Bleach Works..... | 2 |
| Fruit Preserving Works..... | 1 |
| Chain Works..... | 1 |
| Bakehouses..... | 8 |
| Joiners and Builders..... | 8 |
| Electricians..... | 1 |
| Brick and Pottery Works..... | 1 |
| Tailors..... | 2 |
| Cabinet Makers and Upholsterers..... | 2 |
| Mews..... | 3 |
| Laundries..... | 3 |
| Milliners..... | 3 |
| Dressmakers..... | 3 |
| Motor and Cycle Works..... | 2 |
| Boot Makers and Repairers..... | 5 |
| | — |
| Total..... | 45 |
| | — |

Since the amalgamation of the district with the County Borough of Stockport, the chain works above mentioned are now in the Manchester area.

Two hundred and forty-five visits have been paid to the various business places in the District, and in only two instances was it necessary to call upon the occupiers to cleanse their premises.

At one factory a range of trough closets were replaced with washdown-pedestal closets with separate flushing cisterns, and a white glazed stone-ware urinal with automatic flush was also provided.

CLEANSING DEPARTMENT.

The following table gives the number of loads of refuse removed each month, along with the number of ashpits and pail closets emptied :—

| <i>Month.</i> | <i>Loads from Ashpits.</i> | <i>Loads from Dustbins.</i> | <i>Wet Pits Emptied.</i> | <i>Dry Pits Emptied.</i> | <i>Pail Closets Emptied.</i> |
|---------------|------------------------------------|-------------------------------------|----------------------------------|----------------------------------|--------------------------------------|
| January..... | 94 | 98 | 28 | 166 | 18 |
| February.... | 154 | 125 | 111 | 183 | 34 |
| March..... | 99 | 101 | 56 | 95 | 20 |
| April..... | 118 | 103 | 56 | 153 | 25 |
| May..... | 121 | 133 | 56 | 161 | 24 |
| June..... | 161 | 131 | 87 | 237 | 26 |
| July..... | 94 | 89 | 50 | 123 | 19 |
| August..... | 124 | 108 | 38 | 233 | 23 |
| September... | 110 | 108 | 93 | 213 | 20 |
| October..... | 111 | 101 | 97 | 206 | 25 |
| November... | 112 | 118 | 47 | 235 | 18 |
| December.... | 107 | 107 | 61 | 150 | 25 |
| Total, 1913.. | 1405 | 1322 | 780 | 2155 | 277 |
| „ 1912.. | 1550 | 1201 | 757 | 2253 | 295 |

There are now nearly 1800 dustbins in the district, and these are emptied at least once each week, during the daytime ; all ashpits are emptied during the night-time.

During the year the number of dustbins have increased by 253.

The following table gives the number of refuse receptacles in each ward :—

| <i>Ward.</i> | <i>Privy Middens.</i> | | <i>Dry Ashpits.</i> | | <i>Dust-bins.</i> | <i>Pail Closets.</i> | <i>Total.</i> |
|--------------|-----------------------|----------------|---------------------|----------------|-------------------|----------------------|---------------|
| | <i>Single.</i> | <i>Double.</i> | <i>Single.</i> | <i>Double.</i> | | | |
| North.. | 38 | 24 | 136 | 40 | 947 | 6 | 1191 |
| South.. | 38 | 49 | 117 | 133 | 839 | 11 | 1187 |
| Total... | 76 | 73 | 253 | 173 | 1786 | 17 | 2378 |

Yours obediently,

G. PILKINGTON, M.S.I.A.

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