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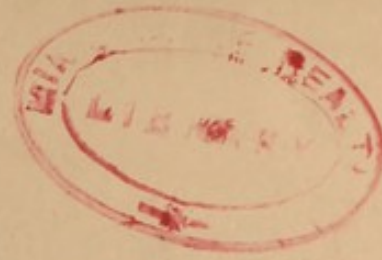
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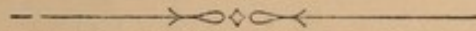
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of Crewe

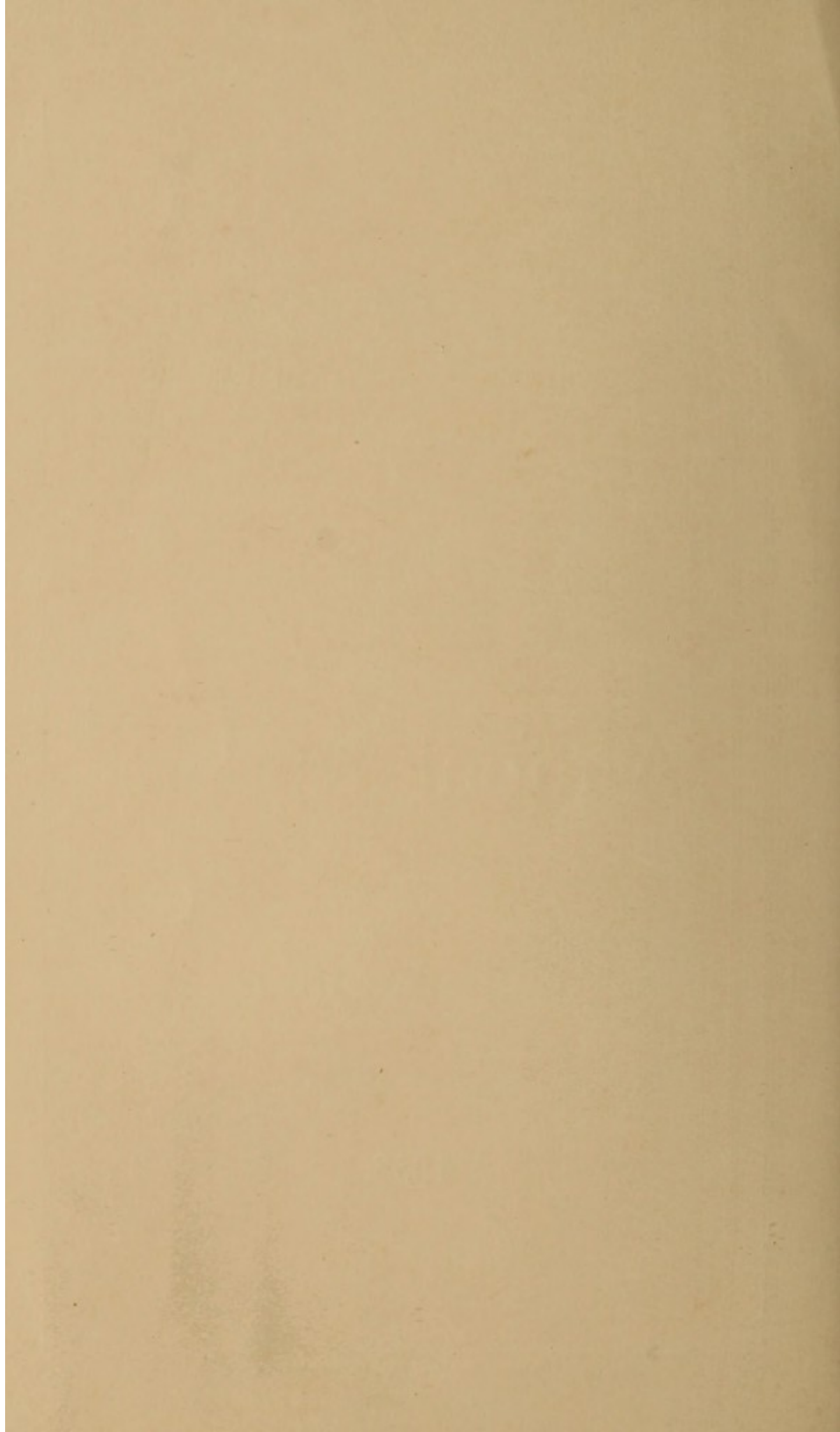


Annual Report

OF THE

Medical Officer
of Health

1938.



ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE

Borough of Crewe

BY

J. D. INGRAM, M.D., D.P.H., D.M.R.E.

Medical Officer of Health,
School Medical Officer, Medical Superintendent of
Isolation Hospital and Maternity Home,
Medical Officer in Charge of
Maternity and Child
Welfare.

BOROUGH OF CREWE.

HEALTH COMMITTEE

1938—39.

Chairman:

ALDERMAN J. SMITH, J.P.

Members:

HIS WORSHIP THE MAYOR (COUNCILLOR A. H. BRICKER, J.P.)

ALDERMAN R. DUTTON.

„ W. R. FOULKES.

„ W. C. WHITE, J.P.

„ MRS. E. POWELL.

COUNC. A. BLOSS.

COUNC. E. T. ROBERTS.

„ MRS. MOSSFORD POWELL, J.P. „ F. ROBERTS.

„ H. J. LAWTON. „ P. TIMPERLEY.

„ J. A. MADELEY, J.P. „ C. WELCH.

„ MRS. F. E. WHITE.

MATERNITY AND CHILD WELFARE COMMITTEE.

1938—39.

Chairman:

COUNCILLOR MRS. F. E. WHITE.

Members:

HIS WORSHIP THE MAYOR (COUNCILLOR A. H. BRICKER, J.P.)

ALDERMAN F. BOTT, M.B.E.

„ R. DUTTON.

„ MRS. E. POWELL.

„ J. SMITH, J.P.

„ W. C. WHITE, J.P.

COUNC. R. BARNETT.

COUNC. MRS. MOSSFORD POWELL, J.P.

„ A. BLOSS.

„ W. RIGBY.

„ H. H. GRIFFITHS.

„ E. T. ROBERTS.

„ J. B. HERRING.

„ MRS. E. THEWLIS, J.P.

„ J. H. L. JONES.

„ P. TIMPERLEY.

„ H. J. LAWTON.

„ C. WELCH.

„ J. A. MADELEY, J.P.

„ W. WHITNEY (Deceased).

Co-opted Members:

MRS. ANDRESS.

MRS. PALLITT.

„ BLOSS.

„ PARKINSON.

„ BUXTON.

„ WARDLE.

„ BENNETT.

PUBLIC HEALTH SERVICES.

A.—Medical.

J. D. INGRAM, M.D., D.P.H., D.M.R.E., Medical Officer of Health, School Medical Officer, Medical Superintendent of the Maternity Home (whole time).

CHRISTINA R. LAING, M.A., M.B., Ch.B., D.P.H., Assistant School Medical Officer, Assistant Medical Officer for Maternity and Child Welfare (whole time).

A. A. GEMMELL, M.C., M.A., M.D., F.R.C.S., Liverpool, Consultant for Obstetrics.

R. H. RICHMOND, O.B.E., M.B., F.R.C.S., Stoke-on-Trent, and

J. GARDINER WIGLEY, F.R.C.S., M.R.C.S., L.R.C.P., Hale, Cheshire, Consultants for Puerperal Pyrexia.

BRUCE MACLEAN, M.D., M.B., B.S., M.R.C.S., L.R.C.P., Newcastle, Staffs., Consultant Physician, Isolation Hospital.

B.—Others.

* VETERINARY SURGEONS.

F. LEECH, M.R.C.V.S. (part time).

R. M. LEE, M.R.C.V.S. (part time).

G. N. SHIRLEY, M.R.C.V.S., B.V.Sc, (part time),

* Transferred to Ministry of Agriculture & Fisheries, 1/4/38.

SANITARY INSPECTORS:

H. Y. STAZICKER (1, 2 and 3) Chief Sanitary Inspector, Inspector under the Diseases of Animals Acts (whole time).

W. HAZELDINE (4), Sanitary Inspector (whole time).

R. E. PLATT (3 and 4), Sanitary Inspector (whole time).

J. L. MOXON (1 and 3), Sanitary Inspector (whole time).

C. BENNETT (3 and 4), Assistant Sanitary Inspector (whole time).

D. W. COOKE, Temporary Assistant Sanitary Inspector (whole time).

HEALTH VISITORS AND SCHOOL NURSES:

M. ROUEN (5 and 6).

E. WILSON (6).

M. M. WAINWRIGHT (5 and 6), appointed 4/5/38.

Clerks.

R. W. LEACH and MISS L. DEAN, Clerks in the Medical Officer's Department.

T. C. SIMPSON and R. S. BAKER, Clerks in the Sanitary Inspector's Office.

Isolation Hospital.

Matron (D. WILLIAMS), Sister, Nurses, Maids, Ambulance Driver, Porter, Gardener.

Maternity Home.

Matron (M. E. WALTON), Sister, Midwives, Maids, Gardener.

- (1) *Member Royal Sanitary Institute.*
 - (2) *Member Institute of Cleansing Superintendents.*
 - (3) *Member Sanitary Inspector's Association.*
 - (4) *Certificate Royal Sanitary Institute.*
 - (5) *Certificate Central Midwives Board.*
 - (6) *General Trained Nurse.*
-

PUBLIC HEALTH DEPARTMENT,
MUNICIPAL BUILDINGS,
CREWE.

*To the Chairman and Members of the Health Committee and of
the Maternity and Child Welfare Committee.*

Ladies and Gentlemen,

I have the honour to submit for your consideration the following Report on the Health Conditions which prevailed in Crewe during the year ending December, 1938.

STATISTICS & SOCIAL CONDITIONS OF THE AREA.

Area

4,414 acres.

Population

Census, 1931—46,061.

Estimated, 1938—45,830.

Number of Houses

Census, 1931—12,298.

1938—14,074.

Number of Families or Separate Occupiers

Census, 1931—12,365.

Rateable Value

£240,577.

Sum Represented by Penny Rate

£928.

Births

The number of births registered during the year was 631, representing a birth rate of 13.7 per 1,000 of the population.

| | | | | Males. | Females. | Total. |
|------------------------|-----|-----|-----|--------|----------|--------|
| Live Births—Legitimate | ... | ... | ... | 302 | 287 | 589 |
| Illegitimate | .. | ... | ... | 8 | 8 | 16 |
| Total | ... | ... | ... | 310 | 295 | 605 |

Births—contd.

The live birth rate was 13.1 per 1,000 of the population, while the corresponding rate for England and Wales was 15.1 per 1,000.

Stillbirths numbered 26, a rate of 41.2 per 1,000 total births.

| | | | Males. | Females. | Total. |
|-------------------------|-----|-----|--------|----------|--------|
| Still-births—Legitimate | ... | ... | 12 | 13 | 25 |
| Illegitimate | ... | ... | 1 | — | 1 |
| Total | ... | ... | 13 | 13 | 26 |

Deaths

The number of deaths registered during the year after corrections have been made for outward and inward transfers was:—

Males—313. Females—264. Total—577.

The death rate for Crewe was 12.5 per 1,000 of the population. The corresponding rate for England and Wales was 11.6 per 1,000 of the population.

The number of deaths which occurred in Public Institutions was 162, forming 28.07 per cent. of the total number of deaths.

The number of women dying in, or in consequence of, childbirth (a) from Sepsis 3 (b) from other causes 2.

27 deaths occurred of Infants under one year of age and the death rate per 1,000 births was:—

Legitimate—39.08. Illegitimate—176.4. Total—42.7.

The Infant Mortality for England and Wales was 53.

| Cause of Death. | Number | | Cause of Death. | Number | |
|-------------------------------|--------|----|-------------------------------|--------|----|
| | M | F | | M | F |
| Scarlet Fever | — | 1 | Pneumonia (all forms) .. | 11 | 9 |
| Measles | 1 | — | Other Respiratory Diseases | 3 | 2 |
| Whooping Cough | 2 | — | Peptic Ulcer | 8 | 1 |
| Diphtheria | 1 | 2 | Diarrhoea, &c. (under 2 yrs.) | 1 | — |
| Influenza | 6 | 3 | Appendicitis | — | 2 |
| Encephalitis Lethargica ... | 1 | — | Cirrhosis of Liver | 1 | — |
| Cerebro-Spinal Fever ... | — | — | Other Diseases of Liver, etc. | 1 | 5 |
| Tuberculosis of Respiratory | | | Other Digestive Diseases ... | 4 | 4 |
| System | 10 | 7 | Acute and Chronic Nephritis | 7 | 8 |
| Other Tuberculous Diseases | 5 | 1 | Puerperal Sepsis | — | 3 |
| Syphilis | 1 | 1 | Other Puerperal Causes | — | 2 |
| General Paralysis of the | | | Congenital Debility, | | |
| Insane, Tabes Dorsalis ... | 1 | — | Premature Birth, | | |
| Cancer, Malignant Disease... | 39 | 34 | Malformations, etc. | 4 | 9 |
| Diabetes | 6 | 5 | Senility | 9 | 13 |
| Cerebral Haemorrhage, etc. | 24 | 27 | Suicide | 5 | 4 |
| Heart Disease | 107 | 80 | Other Violence | 9 | 3 |
| Other Circulatory Diseases... | 8 | 8 | Other Defined Diseases ... | 32 | 21 |
| Bronchitis | 6 | 9 | Ill Defined Diseases ... | — | — |

GENERAL PROVISIONS OF HEALTH SERVICES.

Nursing in the Home

The Webb Nursing Institute maintains two nurses to assist in nursing the sick poor.

Midwives

The number of midwives practising in the area is 20; they are supervised by the County Council. Of this number 6 are on the County Council staff of salaried midwives under Section 1 of the Midwives Act, 1936, and 8 are on the staff of the Maternity Home.

Poor Law Relief

I am indebted to Mr. G. H. Atkinson, Clerk of the Guardians Committee, for the following information respecting the Relief Statistics for the Borough:—

| | | | | Half-year Ending 31st March 1938 | 30th Sept. 1938 |
|---|-----|-----|-----|-------------------------------------|--------------------|
| Number of indoor poor relieved | | | | | |
| Able-bodied | ... | ... | ... | 2 | 1 |
| Not Able-bodied | ... | ... | ... | 94 | 75 |
| Insane | ... | ... | ... | 6 | 10 |
| Children | ... | ... | ... | 12 | 15 |
| Total | | | | 114 | 101 |
| Vagrants relieved in Workhouse ... | | | | — | — |
| Number of Outdoor Poor Relieved in the Borough | | | | 1470 | 1716 |
| Cost of above | ... | ... | ... | £6,216/10/8½d. | £6,776/14/9½d. |
| Number of Vagrants relieved | ... | | | 2 | 3 |

Laboratory Facilities

Provision is made in the Municipal Laboratory for the examination of swabs for diphtheria, sputum for Tuberculosis, hairs for Ringworm and smears for Gonococci.

During the year the number of specimens examined in the Municipal Laboratory was:—

| | Positive | Negative | Total |
|------------------------------------|----------|----------|-------|
| Swabs for Diphtheria | 30 | 490 | 520 |
| Sputum for Tubercle Bacilli | 4 | 24 | 28 |
| Cerebro-spinal Fluid | 1 | 2 | 3 |
| Pus for Gonococci | 1 | 1 | 2 |
| Hairs for Ringworm | 3 | 1 | 4 |

The County Council which is responsible for the administration of the tuberculosis scheme has also made provision for the examination of sputum, and during the year the number of specimens examined was 142, of which 19 were positive and 123 negative.

Legislation in Force

The adoptive Acts and Byelaws in force in the Borough are as detailed in the report for 1930.

Institutional Provision for Unmarried Mothers, Illegitimate Infants and Homeless Children.

The Crewe and District Association for Prevention and Rescue Work maintains the St. Hilda's Home, 71, West Street, Crewe. During the year outside attention was given to 118 women and girls and 58 girls and 9 babies passed through the Home.

Ambulance Facilities

The ambulance facilities provided by the Corporation consist of five Motor Ambulances. Two are stationed at the Fire Station in the centre of the town, two at the Isolation Hospital, and one at the New Garage and Workshop in the west portion of the Borough. The two at the Isolation Hospital are used mainly for conveyance of notifiable infectious diseases and the other three for non-infectious cases and street accidents.

The total number of journeys made was 1,252; and the total distance in miles covered was 31,462.

Clinics and Treatment Centres

The new Clinic at Ludford Street for Maternity and Child Welfare and School Medical Service has now taken the place of the premises previously used for these purposes at the Old Railway Hospital, Lyon Street. In other respects the Clinics and Treatment Centres are as stated in the Report for 1930.

MATERNITY AND CHILD WELFARE.

Ante-Natal Clinic

The Ante-natal Clinic is held each Wednesday afternoon in the Clinic Rooms, Ludford Street. It is freely open to any midwife or expectant mother in the Borough who desires to make use of it.

During the year 35 expectant mothers attended, paying in all 106 visits. All the expectant mothers attended on their own account.

Post-Natal Clinic

Two mothers made two attendances.

Toddlers' Clinic

A Toddlers' Clinic was commenced in May and during the remaining part of the year 1,084 invitations were sent out to parents, as a result of which 235 children were examined.

Dental Treatment

A scheme was prepared and approved in June for the dental treatment of pre-school children and expectant and nursing mothers. One expectant mother took advantage of the facilities offered.

Maternity Home

During the year 302 cases were admitted to the Home of which number 92 came from addresses outside the Borough. In 136 instances (45.0 per cent.) the case was attended by a medical man, 162 were attended by midwives at the Home, and 4 were not delivered.

The average duration of stay at the Home was 14.2 days. Of the babies born in the Home, 12 were still-born.

Two expectant mothers were found at the ante-natal examination to have albuminuria.

On the Ante-natal afternoons, 257 expectant mothers made 1,172 visits.

Home Helps

The scheme for providing Home Helps for service in the midwifery cases was continued during the year, and a Home Help was supplied in 22 cases.

Maternal Mortality

Inquiry into the case of maternal deaths is made by the Medical Officer of Health, and in view of the interest in this subject it may be said that the cases so far investigated have not given any reason to suppose that they could have been prevented.

No official enquiry is made into cases of puerperal pyrexia since such inquiries can be better made by the County Council as supervisors of Midwives.

Milk Scheme

During the year, 135 families were supplied with milk free or at half cost under the Council's scheme; 86 families were supplied with 2,373 gallons, 2 quarts, 1 pint free and 49 families with 520 gallons, 1 quart, 1 pint, at half cost.

The total quantity of milk supplied was 2,894 gallons.

Work of Health Visitors

| | Northern District | Southern District | Western District | Total. |
|---|-------------------|-------------------|------------------|--------|
| First visits under 1 year : | | | | |
| New Cases this year ... | 205 | 212 | 249 | 666 |
| Old Cases from last year ... | 26 | 18 | 65 | 109 |
| Re-visits under 1 year ... | 371 | 477 | 342 | 1190 |
| Re-visits 1 to 5 years ... | 877 | 691 | 940 | 2508 |
| First visits to Illegitimate Infants | — | 1 | 14 | 15 |
| Re visits " " | 7 | 2 | 4 | 13 |
| First visits to Ante-natal cases : | | | | |
| New Cases this year... | — | 7 | 34 | 41 |
| Old Cases from last year ... | — | — | 4 | 4 |
| Re-visits to Ante-natal cases ... | — | 6 | 8 | 14 |
| Visits to Tuberculosis Cases ... | 10 | 19 | 9 | 38 |
| Visits to Still births ... | 2 | 2 | 8 | 12 |
| Special visits ... | 7 | 11 | 46 | 64 |
| | 1505 | 1446 | 1723 | 4674 |
| Lost Visits ... | 305 | 121 | 358 | 784 |
| Total Visits... | 1810 | 1567 | 2081 | 5458 |

During the year 640 births were notified.

The number of living babies found, after deducting still-births, deaths, and those who had left town, was 592.

The number of babies found to be sleeping alone was 552 (82.8 per cent.).

The number of babies found to be breast fed entirely at the time of the first visit was 436 (65.4 per cent.). 35 were partly fed on the breast and partly artificially, and 195 were fed on artificial foods.

The number of babies entirely breast fed at the age of three months was 231 (34.6 per cent.) and at the age of six months was 92 (13.8 per cent.).

Cow's milk is the artificial food most commonly used and was given in 127 cases, the remaining 68 being fed on other artificial foods.

Work of the Welfare Centres

| | Number of Infants. | Attendances. | Consultations. |
|-----------------------|-----------------------|--------------|----------------|
| Ludford Street Centre | 386 | 2698 | 1404 |
| St. John's Centre | 304 | 2624 | 1036 |
| | <hr/> 690 | <hr/> 5322 | <hr/> 2440 |

Boarded-out Children

From the 1st April, 1930, the functioning of Part I of the Children Act, 1908, formerly discharged by the Board of Guardians, devolved upon the Local Authority under the Local Government Act, 1929, and the Children's and Young Persons Act, 1932.

The main object is to secure that any child under 9 years of age who is maintained for "reward" shall be notified to the Local Authority in order that it may be kept under observation and supervision.

The number of boarded-out children on the register at the end of the year was 14.

During the year 1 was adopted, 6 returned to parents, and 1 attained the age of 9 years.

The homes of these boarded-out children are visited periodically by the Health Visitors and all children were found to be well cared for and the homes in a clean condition.

Orthopaedic Cases

The number of cases treated at the After-care Centre was as follows:—

| | | | | | | |
|---------------------------|-----|------------------|-----|-----|-----|----|
| Congenital Deformities... | 6 | Flat Foot | ... | ... | ... | 7. |
| Claw Foot | ... | Injuries | ... | ... | ... | 6 |
| Knock Knees | ... | Rickets | ... | ... | ... | 1 |
| Spastic Paralysis | ... | Postural Defects | ... | ... | ... | 5 |
| Poliomyelitis | ... | Scoliosis | ... | ... | ... | 1 |
| Arthritis | ... | Others | ... | ... | ... | 10 |

SANITARY CIRCUMSTANCES OF THE AREA.**Water**

During the year 338,914,800 gallons were supplied to the Corporation for the use of the town.

The quantity supplied by the Corporation is approximately 20.2 gallons per person per day.

This figure is not absolutely correct since certain of the houses belonging to the Railway Company are supplied with water directly by the Company and not by the Corporation.

During the year 2,656 yards of water mains were laid.

Draining and Sewerage

1,000 yards were laid during the year.

Closet Accommodation

At the end of the year the number of closets of each type was:—

| | | | | | | |
|---------------------|-----|-----|-----|-----|-----|--------|
| Water Closets | ... | ... | ... | ... | ... | 13,521 |
| Waste Water Closets | ... | ... | ... | ... | ... | 974 |
| Pail Closets | ... | ... | ... | ... | ... | 367 |
| Privy Middens | ... | ... | ... | ... | ... | 5 |

During the year the Corporation continued the conversion of the remaining privy pails in the old area of the Borough, 496 such conversions being carried out. In addition, free fittings were issued to the owners of 167 houses, at which the work was executed privately, thus making a total of 663 privy pails converted to the water carriage system.

13 waste water closets were also converted to the fresh water system during the year.

Refuse Collection and Disposal

The Refuse Collection Service has been regularly maintained throughout the year, a weekly collection of household refuse and nightsoil being made.

12 motor vehicles are employed by the Department, 9 for the collection of household refuse (including 2 spare vehicles), 2 for the collection of nightsoil and 1 on refuse disposal.

The amount of household refuse collected during the year was 9,102 tons and in addition 522 tons of garden refuse was removed making a total tonnage of 9,624 tons. The weight of refuse removed per house per annum averaged 13.7 cwt.

The estimated amount of nightsoil collected during the year was 749 tons, while a further 190 tons of trade refuse was also removed by the Department.

Most of the refuse is disposed of at the Refuse Disposal Works, but 3,665 tons, the majority of which was trade refuse, was disposed of by controlled tipping. The total amount of refuse disposed of during the year was 12,152 tons.

Sanitary Inspections.

| Nature and Number of Inspections made, | Number | No. of Notices served | | Result of Service of Notices | | Prosecut's | |
|--|--------|-----------------------|-----------|------------------------------|-------------------|------------|---------|
| | | Informal | Statutory | Notices complied with | Remaining in hand | Instit'ed | Pending |
| 1 Dwelling Houses ... | 150 | 126 | 39 | 151 | 14 | ... | .. |
| 2 Dwelling Houses (Inspection under Housing Act, 1936) ... | 176 | 125 | 123 | 67 | 181 | ... | ... |
| 3 Back-to-back Houses ... | ... | ... | ... | ... | ... | ... | ... |
| 4 Tents, Vans, Sheds, etc. ... | 51 | 7 | 1 | 8 | ... | ... | ... |
| 5 Inspections re Applications for Corporation Houses... | 123 | ... | ... | ... | ... | ... | ... |
| 6 Verminous Houses... | 203 | 39 | ... | 39 | ... | ... | ... |
| 7 Privy Pail Conversions ... | 384 | ... | 784 | 663 | 121 | ... | ... |
| 8 Privy Pails, Ashpails etc ... | 2480 | 896 | 149 | 1011 | 34 | ... | ... |
| 9 Courts, Yards & Passages ... | 11 | 2 | ... | 2 | ... | ... | ... |
| 10 House Drainage ... | 1897 | 317 | 30 | 327 | 20 | ... | ... |
| 11 Ditches, Water Courses, etc ... | 68 | 14 | 2 | 16 | ... | ... | ... |
| 12 Offensive Accumulations ... | 28 | 17 | ... | 17 | ... | ... | ... |
| 13 Keeping of Animals ... | 12 | 5 | 1 | 6 | ... | ... | ... |
| 14 Offensive Trades ... | 37 | 28 | ... | 28 | ... | ... | ... |
| 15 (a) Slaughterhouses ... | 1375 | 38 | ... | 38 | ... | ... | ... |
| (b) Other places where food is sold ... | 266 | 2 | ... | 2 | ... | ... | ... |
| 16 Piggeries ... | 638 | 1 | ... | 1 | ... | ... | ... |
| 17 (a) Cowsheds ... | 585 | 130 | 3 | 129 | 4 | ... | ... |
| (b) Dairies & Milkshops ... | 496 | | | | | | |
| 18 (a) Factories (with Mechanical Power) ... | 574 | 33 | ... | 4 | 29 | ... | ... |
| (b) Factories (with no Mechanical Power) ... | 29 | 3 | ... | 3 | ... | ... | ... |
| (c) Workplaces ... | 505 | 210 | ... | 1 | 209 | ... | ... |
| (d) Outworkers Premises... | 6 | 9 | ... | 9 | ... | ... | ... |
| 19 Bakehouses ... | 70 | 49 | ... | 49 | ... | ... | ... |
| 20 Common Lodging Houses ... | 146 | 6 | ... | 6 | ... | ... | ... |
| 21 Shops under Shops Acts ... | 1253 | 207 | 11 | 178 | 40 | ... | 2 |
| 22 Smoke Observations ... | 134 | 4 | 1 | 5 | ... | ... | ... |
| 23 Infectious Diseases Inquiries and Re-visits ... | 170 | ... | ... | ... | ... | ... | ... |
| 24 Inspections under the Housing Act 1936 (Overcrowding) ... | 139 | 14 | ... | 14 | ... | ... | ... |
| 25 Miscellaneous ... | 1212 | 9 | ... | 9 | ... | ... | ... |
| 26 Re-inspections ... | 3008 | ... | ... | ... | ... | ... | ... |
| 27 Milk Samples :— | | | | | | | |
| (a) Bacteriological Exam. ... | 58 | ... | ... | ... | ... | ... | ... |
| (b) Sediment Test ... | 24 | ... | ... | ... | ... | ... | ... |
| TOTAL ... | 16308 | 2291 | 1144 | 2783 | 652 | ... | 2 |

Shops

The following is a tabulated statement of the notices served in connection with Section 10 of the Shops Act, 1934, which relates to the Health and Comfort of Shop Workers:

| Subject of Notice. | No. of Informal Notices served. | No. of Statutory Notices served. | No. of Notices complied with (31/12/1938) |
|---|---------------------------------|----------------------------------|---|
| Sanitary Accommodation ... | 26 | 4 | 30 |
| Washing Facilities ... | 7 | 4 | 11 |
| Ventilation ... | ... | ... | ... |
| Lighting ... | ... | ... | ... |
| Heating ... | 11 | 2 | 12 |
| Facilities for taking Meals on Premises ... | 2 | 1 | 2 |
| Total ... | 46 | 11 | 55 |

Swimming Baths and Pools

Constant watch is kept upon the water in the Swimming Baths and frequent samples are taken. The standard taken has no bacillus coli in 10 c.c. of water and it may be said that very exceptionally has the water fallen below this standard.

ERADICATION OF BED BUGS.

1. Statistics

| | |
|---|----|
| Number of Council houses found to be infested ... | 7 |
| Number of Council houses disinfested ... | 7 |
| Number of other houses found to be infested ... | 36 |
| Number of other houses disinfested ... | 36 |

2. Methods Employed

Houses sprayed with patent fumigant solutions from special pressure sprayers without the premises being hermetically sealed, the complete process taking approximately 10 hours—41.

This method has mainly proved effective. In eight cases however the houses required a second treatment before being dealt with satisfactorily. The work of disinfection was carried out by employees of the Corporation under the supervision of the Sanitary Inspectors.

In all cases the architraves, skirting boards and other woodwork, together with one or two floorboards in each bedroom were eased prior to fumigation.

Of the houses treated 22 were dealt with when empty.

3. Hydrogen Cyanide Fumigation

Two houses only were dealt with by this method and both were Council houses. This fumigation was found necessary after the failure of patent insecticides. In addition to the fumigation of the houses, the furniture and effects were treated. This work was carried out by a private contractor.

4. Miscellaneous

Three houses, two of which were Council houses, were also treated with fumigant solutions for the destruction of fleas.

5. Prevention of Spread of Vermin in Corporation Houses

The houses of prospective tenants of Corporation houses are inspected by the Sanitary Inspectors in order to ascertain the condition in which they are maintained and if free from vermin.

During the year, 121 houses were inspected for this purpose, 4 houses being found to be verminous and 2 houses in an unsatisfactory condition.

FACTORIES ACT, 1937.

1—Inspection

| PREMISES | Number of | | |
|--|-------------|-----------------|--------------|
| | Inspections | Written Notices | Prosecutions |
| Factories (Including Factory Laundries) | 574 | 33 | - |
| Workshops (Including Workshop Laundries) | 29 | 3 | - |
| Workplaces (Other than outworkers included in Part 3). | 1 | - | - |
| | 604 | 36 | - |

2—Defects found

| Particulars | Number of Defects | | | Number of defects in respect to which Prosecutions were instituted. |
|------------------------------------|-------------------|----------|----------------------------|---|
| | Found | Remedied | Referred to H.M. Inspector | |
| Want of Cleanliness ... | - | - | - | - |
| Overcrowding ... | - | - | - | - |
| Unreasonable Temperature | - | - | - | - |
| Inadequate Ventilation ... | - | - | - | - |
| Ineffective drainage of floors ... | - | - | - | - |
| Sanitary Conveniences : | | | | |
| (a) insufficient ... | - | - | - | - |
| (b) unsuitable or defective | 31 | 3 | - | - |
| (c) not separate for sexes | 2 | 1 | - | - |
| Other offences ... | 3 | 3 | - | - |
| Total | 36 | 7 | - | - |

3—Homework

11 lists were received from makers of wearing apparel relating to 7 outworkers.

4—Other Matters

| Class | | Number |
|---|--|--------|
| Action taken in matters referred by H.M. Inspector as remediable under the Factory Act, 1937, Section 9 | Notified by H.M. Inspector | 2 |
| | Reports of action taken sent to H.M. Inspector | 2 |

Workplaces

In accordance with the provisions of Sections 46 and 92 of the Public Health Act, 1936, 505 inspections of workplaces (including offices) were made during the year and 210 informal notices were issued in respect of sanitary accommodation, lighting, ventilation and cleanliness.

Common Lodging Houses

The number of common lodging houses in the Borough is 4 and the table given below shows the number of persons who used the same during the year 1938 with comparative figures for the two preceding years.

| | Adults. | | Children. | |
|------|---------|----------|-----------|----------|
| | Males. | Females. | Males. | Females. |
| 1938 | 14,731 | 1,230 | 36 | 36 |
| 1937 | 14,662 | 1,552 | 7 | 36 |
| 1936 | 17,752 | 2,161 | — | 7 |

The premises are frequently visited to ensure compliance with relative legislation, the number of such visits totalling 146 during the year.

Offensive Trades

The number and nature of the Offensive Trades carried on in the Borough are:—

| | | | | | |
|----------------------|-----|-----|-----|-----|---|
| Rag and Bone Dealers | ... | ... | ... | ... | 2 |
| Gut Scraper | ... | ... | ... | ... | 1 |
| Tripe Boiler | ... | ... | ... | ... | 1 |
| Fat Melter | ... | ... | ... | ... | 1 |

There is also one knacker's yard in the Borough.

Pig Keepers

The number of persons keeping pigs on premises in the Borough is 69.

Rag Flock

There are no premises in the Borough at which rag flock is manufactured. It is sold and used on 4 premises.

Schools

The water supply and sanitary conveniences of the elementary schools in the Borough are satisfactory.

HOUSING STATISTICS.

Number of New Houses erected during the year

(a) Total (including numbers given separately under b).

| | | | | | | | | |
|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 1. By the Local Authority | ... | ... | ... | ... | ... | ... | ... | 88 |
| 2. By other Local Authorities | ... | ... | ... | ... | ... | ... | ... | — |
| 3. By other bodies and persons | ... | ... | ... | ... | ... | ... | ... | 148 |

(b) With State Assistance under the Housing Acts.

By the Local Authority:

| | | | | | | | | |
|--------------------------------|-----|-----|-----|-----|-----|-----|-----|----|
| 1. Under the Housing Act, 1925 | ... | ... | ... | ... | ... | ... | ... | 88 |
| 2. Under the Housing Act, 1930 | ... | ... | ... | ... | ... | ... | ... | — |
| 3. Under the Housing Act, 1936 | ... | ... | ... | ... | ... | ... | ... | — |
| 4. For other purposes | ... | ... | ... | ... | ... | ... | ... | — |

1. Inspection of Dwelling Houses during the year

- (1) (a) Total number of dwelling houses inspected for housing defects (under the Public Health or Housing Acts) ... 292
- (b) Number of Inspections made for the purpose ... 326
- (2) (a) Number of dwelling houses (included under the sub-heading (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 ... 134
- (b) Number of inspections made for the purpose ... 140
- (3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... 32
- (4) Number of dwelling houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation ... 260

2 Remedy of defects during the year without Service of Formal Notices

| | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|----|
| Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers | ... | ... | ... | ... | ... | ... | ... | 75 |
|---|-----|-----|-----|-----|-----|-----|-----|----|

3. Action under Statutory Powers during the year

(a) Proceedings under Section 9, 10 and 16 of the Housing Act, 1936:

- | | | |
|--|--------|-----|
| (1) Number of dwelling houses in respect of which notices were served requiring repairs | | 123 |
| (2) Number of dwelling houses which were rendered fit after service of formal notices: | | |
| (a) By owners | | 26 |
| (b) By Local Authority in default of owners | ... | 3 |
| (c) Number of houses in respect of which Notices requiring repairs were served prior to 1938 but were rendered fit during 1938 | | 80 |

(b) Proceedings under Public Health Acts:

- | | | |
|--|--------|----|
| (1) Number of dwelling houses in respect of which Notices were served requiring defects to be remedied | | 38 |
| (2) Number of dwelling houses in which defects were remedied after service of formal notices: | | |
| (a) By owners | | 37 |
| (b) By Local Authority in default of owners | | — |

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936:

- | | | |
|---|--------|----|
| (1) Number of dwelling houses in respect of which Demolition Orders were made | | 7 |
| (2) Number of dwelling houses demolished in pursuance of Demolition Orders | | 7 |
| (3) Number of Undertakings to carry out works in lieu of demolition accepted by the Council | | 16 |

(d) Proceedings under Section 12 of the Housing Act, 1936.

- | | | |
|-----|---|---|
| (1) | Number of separate tenements or underground rooms in respect of which Closing Orders were made | — |
| (2) | Number of separate tenements or underground rooms in respect of which Closing Orders were determined the tenement or room having been rendered fit | — |

4. Housing Act, 1936—Part IV Overcrowding

- | | | | |
|-----|-----|---|-----|
| (a) | (1) | Number of dwellings overcrowded at the end of the year | 32 |
| | (2) | Number of families dwelling therein | 36 |
| | (3) | Number of persons dwelling therein | 272 |
| (b) | | Number of new cases of overcrowding reported during the year | 7 |
| (c) | (1) | Number of cases of overcrowding relieved during the year | 9 |
| | (2) | Number of persons concerned in such cases | 76 |
| (d) | | Particulars of any cases in which dwelling houses have again become overcrowded after the local authority have taken steps for the abatement of overcrowding | — |

INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY

Cowsheds

| | |
|---|----|
| Number of cowsheds occupied for production of milk in the Borough at the present time | 53 |
| Number of cowsheds up to the standard required by this Local Authority under the Milk and Dairies (Consolidation) Act, 1915 and the Milk and Dairies Order, 1926 | 43 |
| Number of cowsheds at present where the work of bringing these up to the standard required by this Local Authority under the Milk and Dairies (Consolidation) Act, 1915 and the Milk and Dairies Order, 1926 in accordance with Statutory Notices and Lists of recommendations from this Department is in hand | 6 |
| Number of cowsheds which have not yet been brought up to the standard required by this Local Authority under Milk and Dairies (Consolidation) Act, 1915 and the Milk and Dairies Order, 1926 in accordance with Statutory Notices and Lists of recommendations from this Department | 4 |
| Number of cowsheds in the Borough which are not now used for the production of milk for sale | 12 |

Inspection of Registered Premises

During the year 1,081 inspections were made of registered premises by the sanitary inspectors.

Retail Purveyors of Milk

There are 314 persons registered to sell milk within the Borough, 121 of which are registered for the sale of milk in sealed containers only, and 193 for the sale of milk from registered premises and vehicles.

MILK SAMPLING.

24 samples were taken from purveyors selling milk within the Borough and tested for sediment. 4 samples gave an unsatisfactory result.

During the last quarter of the year a comprehensive system for the bacteriological examination of milk produced at premises within the Borough was commenced. It is proposed that four samples per year be taken from each producer and submitted to the following tests:—

- Enumeration of Organisms;
- Examination for *Bacillus Coli*;
- Methylene Blue Reduction Test;
- Animal Inoculation Test for Tuberculosis.

In 1938, 54 samples were taken and the following is a summary of the results obtained:—

Bacterial Count.

| | |
|--|----|
| Number of samples showing under 5,000 bacteria per millilitre | 18 |
| Number of samples showing between 5,000 and 30,000 bacteria per millilitre | 14 |
| Number of samples showing between 30,000 and 100,000 bacteria per millilitre | 13 |
| Number of samples showing over 100,000 bacteria per millilitre | 9 |

Bacillus Coli.

17 samples showed the presence of *B. Coli*.

Methylene Blue Reduction Test.

5 samples failed to satisfy the Methylene Blue Test.

Tuberculosis.

Microscopical examination failed to show the presence of Tubercle Bacilli in any sample, but the animal inoculation test returned three positive results. This information was immediately forwarded to the County Medical Officer of Health.

In addition to the above, 4 samples were taken of the milk supplied to the Maternity Home and Isolation Hospital.

Meat and Other Foods

| | |
|--|------|
| Number of Registered Slaughterhouses in the Borough | 6 |
| Number of Licenced Slaughterhouses in the Borough | 4 |
| Number of Inspections of Slaughterhouses made during the year | 1375 |
| Number of Inspections made of premises where food is stored or prepared or kept for sale | 266 |
| Number of Inspections of Bakehouses | 70 |

The following is a tabulated statement of the types of animals slaughtered and inspected together with particulars of diseases found necessitating complete or partial condemnation:—

Carcases Inspected and Condemned.

| | Cattle excluding Cows | Cows | Calves | Sheep and Lambs | Pigs |
|---|-----------------------------|--------|--------|-----------------------|--------|
| Number killed | 1222 | 214 | 2732 | 6409 | 5532 |
| Number inspected | 1222 | 214 | 2732 | 6409 | 5532 |
| ALL DISEASES EXCEPT TUBERCULOSIS | | | | | |
| Whole carcases condemned | 1 | 3 | ... | ... | 4 |
| Carcases of which some part or organ was condemned | ... | 4 | 1 | ... | 86 |
| Percentage of the number inspected affected with disease other than Tuberculosis | 0.082% | 3.271% | 0.036% | ... | 1.627% |
| TUBERCULOSIS ONLY | | | | | |
| Whole carcases condemned | 6 | 3 | ... | ... | 2 |
| Carcases of which some part or organ was condemned | 1 | 4 | ... | ... | 48 |
| Percentage of the number inspected affected with Tuberculosis | 1.573% | 3.271% | ... | ... | 0.904% |

| DISEASE | Lbs. | | | | | | | | |
|-------------------|------|------|--------|------|-------|----------------|-------|------|---------------|
| | Beef | Pork | Mutton | Veal | Liver | Ham and Tongue | Fruit | Fish | Miscellaneous |
| Tuberculosis. ... | 6321 | 1001 | ... | ... | 176 | ... | ... | ... | ... |
| Septicaemia ... | 1860 | 600 | ... | ... | 41 | ... | ... | ... | ... |
| Dropsy ... | 120 | 180 | ... | ... | 12 | ... | ... | ... | ... |
| Pleurisy ... | ... | 71 | ... | ... | ... | ... | ... | ... | ... |
| Moribund ... | ... | 79 | ... | ... | ... | ... | ... | ... | ... |
| Angiomatosis ... | ... | ... | ... | ... | 14 | ... | ... | ... | ... |
| Abscesses ... | ... | ... | ... | 6 | ... | ... | ... | ... | ... |
| Putrefaction ... | 133 | 39 | 163 | ... | ... | 36 | 704 | 336 | 11 |
| TOTAL ... | 8434 | 1970 | 163 | 6 | 243 | 36 | 704 | 336 | 11 |

Total Weight of Food Condemned - 11,903 lbs. - 5 Tons. 6 cwt. 31 lbs.

Adulteration

The Food and Drugs (Adulteration) Act. 1928. is administered by the County Council to whose Chief Inspector, Mr. S. Hallard, I am indebted for the following particulars of the samples taken in Crewe.

The articles with the number of samples taken of each were:—
 Apricot-dried (1), Aspirin Tablets (1), Boracic Ointment (1), Brandy (2), Brawn (1), Butter (3), Cheese (1), Cheese-Cheshire (3), Cocoa (1), Currants (1), Dripping (1), Fish paste (1), Jam (2), Lard (3), Lemonade Powder (1), Lemon Cheese (1), Linseed Meal (1), Lobster tinned (1), Macaroni (1), Meat Paste (1), Milk (60), Milk condensed (1), Olive Oil (3), Peaches-tinned (1), Peas-tinned (2), Pickles (3), Rice (1), Salmon-tinned (1), Sardines (1), Sausage (2), Sugar (1), Suet-shredded (1), Sulphur Ointment (1), Sultanas (1), Sweets (4), Syrup of Figs (1), Treacle(1), Vinegar-malt (1), Whisky (2), Zinc Ointment (1).

| Sample | Result of Analysis | Remarks |
|----------|--------------------------------|---|
| Milk | 3.1% Extraneous Water | Subsequent " on delivery" samples taken in another district were adulterated. |
| Sardines | 7½ gr. per lb of metallic tin. | Seller cautioned. |

INFECTIOUS AND OTHER DISEASES.

Prevalence of Infectious Disease

The following table shows the prevalence of the various notifiable diseases during the past 5 years:—

| | 1934 | 1935 | 1936 | 1937 | 1938 |
|--------------------------|------|------|------|------|------|
| Small- pox | — | — | — | — | — |
| Scarlet Fever | 80 | 291 | 236 | 67 | 86 |
| Diphtheria | 246 | 113 | 298 | 115 | 45 |
| Erysipelas | 10 | 8 | 11 | 6 | 5 |
| Pneumonia | 8 | 10 | 13 | 17 | 8 |
| Puerperal Pyrexia | 4 | 5 | 4 | 5 | 4 |
| Cerebro-spinal Fever | 1 | — | 3 | 1 | 1 |
| Enteric Fever | — | — | — | — | — |
| Anterior Polio- myelitis | — | — | 1 | — | — |
| Encephalitis Lethargica | — | 2 | — | 2 | — |
| Ophthalmia Neonatorum | — | 3 | 5 | 1 | 2 |

The following table shows the number of cases notified of the various notifiable diseases (excluding tuberculosis) during the year 1938.

| Disease | Total Cases Notified. | Cases Admitted ^d to Hospital. | Total Deaths. |
|-----------------------|-----------------------------|---|------------------|
| Scarlet Fever | 86 | 66 | 1 |
| Diphtheria | 45 | 45 | 3 |
| Erysipelas | 5 | 2 | — |
| Pneumonia | 8 | — | 3 |
| Cerebro-spinal Fever | 1 | 1 | — |
| Ophthalmia Neonatorum | 2 | 2 | — |
| Puerperal Pyrexia | 4 | * 5 | 1 |

*Three cases admitted from County area.

Diphtheria

The monthly notifications during the year were:—

| | | | | | | | |
|-----|----|-------|---|------|---|-----|---|
| Jan | 12 | April | 4 | July | 3 | Oct | 6 |
| Feb | 4 | May | 2 | Aug | 1 | Nov | 0 |
| Mar | 2 | June | 2 | Sep | 5 | Dec | 2 |

The total number of cases was 45, as against 115 cases in 1937, and the number of deaths was 3, giving a case mortality of 6.8 per cent.

The ages of the children protected against diphtheria were:—

| | | | | | | | | |
|-----|-----|----|-----|-----|----|-----------|-----|----|
| 0-1 | ... | — | 4-5 | .. | 25 | 8-9 | ... | 9 |
| 1-2 | ... | 11 | 5-6 | ... | 16 | 9-10 | ... | 10 |
| 2-3 | ... | 18 | 6-7 | ... | 16 | 10-11 | ... | 12 |
| 3-4 | ... | 14 | 7-8 | ... | 10 | 11-12 | ... | 11 |
| | | | | | | 12 & over | | 12 |

The quantity of antitoxin issued to medical practitioners during the year was 88 phials, containing 352,000 units.

Scarlet Fever

The number of cases notified during the year was 86, and the monthly incidence was as follows:—

| | | | | | | | |
|-----|----|-------|---|------|----|-----|---|
| Jan | 18 | April | 8 | July | 5 | Oct | 6 |
| Feb | 14 | May | 4 | Aug | 11 | Nov | 5 |
| Mar | 6 | June | 2 | Sep | 3 | Dec | 4 |

Age Distribution of the Cases

[illegible]

Cancer

71 deaths occurred during the year under the following age groups:—

| | 25—35 | 35—45 | 45—55 | 55—65 | 65 and upwards | Total |
|---------|-------|-------|-------|-------|----------------|-------|
| Males | 3 | 2 | 3 | 9 | 20 | 37 |
| Females | 1 | 3 | 4 | 14 | 12 | 34 |

Ophthalmia Neonatorum

Two cases occurred during the year.

Provision is made for the treatment of cases of Ophthalmia Neonatorum in the Isolation Hospital.

Tuberculosis

The following table states new cases of tuberculosis and the deaths which occurred during the year:—

| Age Periods. | Cases | | | | Deaths. | | | |
|----------------|------------|-----|----------------|-----|------------|-----|----------------|-----|
| | Pulmonary. | | Non-Pulmonary. | | Pulmonary. | | Non-Pulmonary. | |
| | M. | F. | M. | F. | M. | F. | M. | F. |
| 0 | ... | ... | 1 | ... | ... | ... | 2 | ... |
| 1 | ... | ... | 4 | 1 | ... | ... | 1 | 1 |
| 3 | ... | 1 | ... | 5 | ... | ... | ... | ... |
| 15 | 5 | 4 | 1 | 2 | 1 | 2 | 1 | ... |
| 25 | 4 | 5 | ... | 1 | 2 | 1 | ... | ... |
| 35 | 3 | 1 | ... | ... | 2 | 2 | ... | ... |
| 45 | 2 | 1 | 1 | ... | 3 | 2 | 1 | ... |
| 55 | 4 | ... | ... | ... | 2 | ... | ... | ... |
| 65 and upwards | ... | 1 | ... | 1 | ... | ... | ... | ... |
| Total | 18 | 13 | 7 | 10 | 10 | 7 | 5 | 1 |

Of the 48 cases of tuberculosis, 1 died before notification.

Other Diseases

The annual number of deaths from other diseases or groups of diseases which are important causes of deaths are shown below.—

| | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 |
|-----------------------|------|------|------|------|------|------|------|------|
| Influenza | 24 | 22 | 40 | 20 | 23 | 12 | 41 | 9 |
| Heart Disease | | | | | | | | |
| Arterio Sclerosis ... | 154 | 175 | 156 | 130 | 191 | 206 | 214 | 238 |
| Cerebral Haemorrhage | | | | | | | | |
| Pneumonia | 36 | 37 | 44 | 89 | 60 | 33 | 43 | 35 |
| Bronchitis ... | | | | | | | | |
| Tuberculosis of Lung | 32 | 22 | 18 | 18 | 21 | 22 | 23 | 17 |

9. Isolation Hospital

The following table shows the number of cases treated at this Institution during the year.

| | Scarlet Fever | Diphtheria & Membranous Croup | Puerperal Pyrexia | Pulmonary Tuberculosis | Erysipelas | Ophthalmia Neonatorum | Cerebro-spinal Fever | Others | Total |
|--|---------------|-------------------------------|-------------------|------------------------|------------|-----------------------|----------------------|--------|-------|
| Remaining in Hospital at the end of 1937 ... | 16 | 12 | 2 | 2 | — | — | — | — | 32 |
| Admitted during 1938... | 66 | 49 | 5 | 2 | 2 | 3 | 1 | 16 | 144 |
| Total | 82 | 61 | 7 | 4 | 2 | 3 | 1 | 16 | 176 |
| Discharged during 1938 | 78 | 55 | 6 | 3 | 2 | 3 | 1 | 14 | 162 |
| Died during 1938 ... | 1 | 4 | 1 | — | — | — | — | 2 | 8 |
| Remaining in Hospital at end of 1938 | 3 | 2 | — | 1 | — | — | — | — | 6 |

The average duration of stay in hospital for the various conditions was:—

| | | | | |
|------------------------|-----|-----|-----|-----------|
| Scarlet Fever | ... | ... | ... | 27.9 days |
| Diphtheria | ... | ... | ... | 42.6 " |
| Erysipelas | ... | ... | ... | 12.5 " |
| Puerperal Fever | ... | ... | ... | 30.6 " |
| Pulmonary Tuberculosis | ... | ... | ... | 101.0 " |

Cases of Puerperal Pyrexia are also admitted from the surrounding area.

Disinfection

Houses and bedding are disinfected upon request after scarlet fever and diphtheria cases. The number so disinfected during the year was 53. Houses are also disinfected after other conditions at the owner's or occupier's expense and during the year 4 houses were so disinfected.

In 2 instances school departments were disinfected.

During the year the following articles were destroyed at the Owner's request.

Mattresses—5, Beds—7, Bolsters—4, Pillows—8.

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