

**[Report 1946] / Medical Officer of Health, Thornaby-on-Tees Borough.**

**Contributors**

Thornaby-on-Tees (England). Borough Council.

**Publication/Creation**

1946

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**BOROUGH OF THORNABY-ON-TEES**



# **ANNUAL REPORT**

**ON THE**

**HEALTH AND SANITARY**

**CIRCUMSTANCES**

**OF THE BOROUGH**

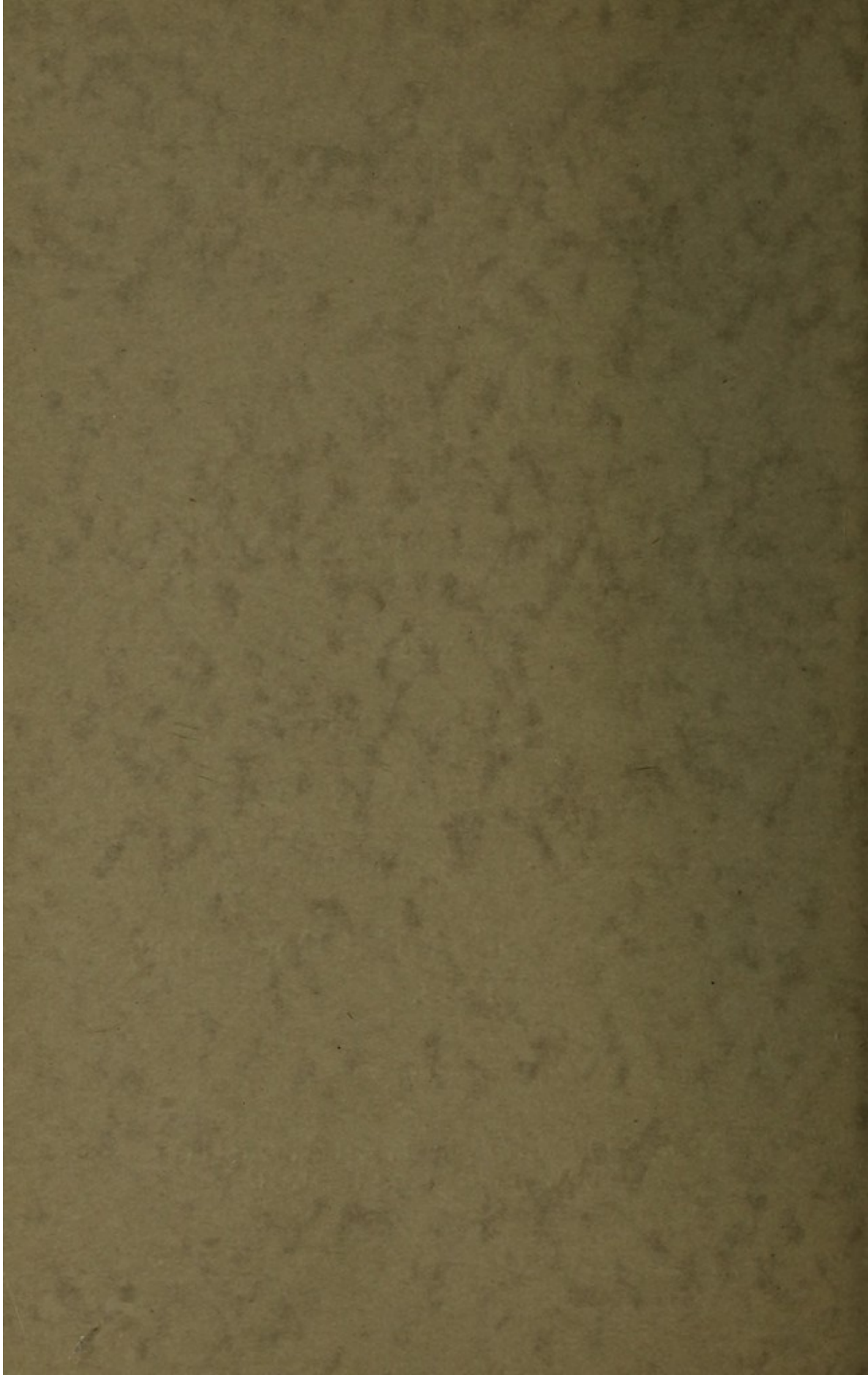
**For the Year ended 31st December,**

**1946.**

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**F. D. ROSS-KEYT., M.B., CH.B., D.P.H.,**  
**MEDICAL OFFICER OF HEALTH.**





**BOROUGH OF THORNABY-ON-TEES**



# **ANNUAL REPORT**

ON THE

## **HEALTH AND SANITARY CIRCUMSTANCES**

OF THE BOROUGH

**For the Year ended 31st December,  
1946.**

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**F. D. ROSS-KEYT., M.B., CH.B., D.P.H.,  
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Billingham Press Ltd. (Printers), Billingham.

BOROUGH OF THORNABY-ON-TEES



ANNUAL REPORT

ON THE

HEALTH AND SANITARY

CIRCUMSTANCES

OF THE BOROUGH

For the Year ended 31st December,

1904

F. G. ROSS-KYTT, M.B., CH.B., D.P.H.,  
MEDICAL OFFICER OF HEALTH.

Printed and Published by the Borough Council, Thornaby-on-Tees.

# BOROUGH OF THORNABY-ON-TEES

## Mayor:

ALDERMAN WILLIAM SHEPHERD, J.P.

## Deputy Mayor:

ALDERMAN HAROLD DACRE, J.P.

## Aldermen:

E. E. Brennan, J.P.                      J. R. Hough  
\*W. Harris, J.P.                         J. L. F. McGann, J.P., C.C.

## Councillors:

L. J. Alderton                             R. Hughes  
\*J. T. A. Bashford                        A. Nicholson  
J. W. Bennett                             \*T. Padgett  
A. Bosomworth                            \*A. P. Pounder  
J. W. Collinson                            J. N. Scott  
\*J. Corfield                                \*Mrs. S. J. Smith  
\*R. Dinsdale                                H. Tanfield  
\*H. Drinkel                                 J. W. Walton  
\*Miss G. Holmes, J.P.                    \*L. S. Williamson

## Chairmen:

Sanitary Committee     ...     ...     Ald. E. E. Brennan, J.P.  
Maternity and Child Welfare

Committee     ...     ...     Coun. J. Corfield

\*Members of the Maternity and Child Welfare Committee.

The Sanitary Committee consists of the whole of the members of the Council.

## Staff.

Town Clerk     ...     J. R. Carr  
Borough Treasurer     ...     H. M. Draycott, F.I.M.T.A., F.S.S.  
Borough Engineer     ...     Philip Brown, M.Inst.M. & Cy.E.  
Medical Officer of Health     F. D. Ross-Keyt, M.B., Ch.B., D.P.H.  
Sanitary Inspector     ...     C. Knox, Cert. R. San.I., etc.  
Additional Sanitary  
Inspector     ...     K. Kendray, Cert. R.S.I. & S.I.J.B.  
Health Visitor     ...     Miss M. J. D. Ramsay, S.R.N., C.M.B.

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

|   |         |
|---|---------|
| Area (Acres) ... ..                             | 1,993   |
| Population ... ..                               | 22,030  |
| Number of inhabited houses (end of 1946) ... .. | 5,512   |
| Rateable Value ... ..                           | £91,066 |
| Sum represented by a penny rate ... ..          | £342    |

The Town is situated on the southerly bank of the River Tees, which forms the northern boundary of the Borough and separates it from the Borough of Stockton-on-Tees. On the easterly side it is contiguous with the County Borough of Middlesbrough, and on the southerly and westerly sides with the Rural District of Stokesley.

The surface of the ground is mainly flat, the sub-soil clay, and the industries carried on in the town are mainly connected with the iron and steel trades.

Many of the population work in the neighbouring areas of Middlesbrough, Stockton and Billingham.

### Extracts from Vital Statistics for the Year 1946.

|                            | Total | Males | Females |
|----------------------------|-------|-------|---------|
| Live Births—Legitimate ... | 457   | 231   | 226     |
| Illegitimate ...           | 27    | 16    | 11      |
| Total ... ..               | 484   | 247   | 237     |

#### Birth Rates.

|              |      |           |                               |
|--------------|------|-----------|-------------------------------|
| Legitimate   | 20.7 | per 1,000 | estimated resident population |
| Illegitimate | 1.2  | "         | "                             |
| Total        | 21.9 | "         | "                             |

|                             | Total | Males | Females |
|-----------------------------|-------|-------|---------|
| Still Births—Legitimate ... | 17    | 11    | 6       |
| Illegitimate ...            | 2     | 1     | 1       |
| Total ... ..                | 19    | 12    | 7       |

Still Birth Rate—37.8 per 1,000 live and still births.

|               | Total | Males | Females |
|---------------|-------|-------|---------|
| Deaths ... .. | 264   | 146   | 118     |

Death Rate—12.0 per 1,000 estimated resident population.

Deaths from Puerperal Causes—1.

|                            | Deaths | Rate per 1,000<br>(live and still births) |
|----------------------------|--------|---|
| Puerperal Sepsis ... ..    | 0      | 0   |
| Other Puerperal Causes ... | 1      | 1.98                                      |

Infantile Mortality—51.6 per 1,000 live births.

Mortality of Legitimate Infants—48.1 per 1,000 legitimate live births.

Mortality of Illegitimate Infants—111.1 per 1,000 illegitimate live births.

|                                      |     |     |     |     |     |   |
|--------------------------------------|-----|-----|-----|-----|-----|---|
| Deaths from Measles                  | ... | ... | ... | ... | ... | — |
| „ Whooping Cough                     | ... | ... | ... | ... | ... | 2 |
| „ Diarrhoea (under two years of age) | ... | ... | ... | ... | ... | 1 |

The causes of the greatest mortality during 1946 were:

|                      |     |     |     |     |     |    |
|----------------------|-----|-----|-----|-----|-----|----|
| Heart Disease        | ... | ... | ... | ... | ... | 72 |
| Cancer               | ... | ... | ... | ... | ... | 35 |
| Cerebral Haemorrhage | ... | ... | ... | ... | ... | 25 |
| Tuberculosis         | ... | ... | ... | ... | ... | 27 |
| Pneumonia            | ... | ... | ... | ... | ... | 16 |

There was no unusual or excessive mortality during the year which requires any comment.



## BIRTH RATES, DEATH RATES and ANALYSIS of MORTALITY in the year 1946.

England and Wales, 126 County Boroughs and Great Towns, and 148 Smaller Towns.

|  | Rate per 1,000 Population |              | ANNUAL DEATH RATE PER 1,000 POPULATION |                               |           |               |                |            |           |                           |   |     | Rate per 1,000 live Births |  |
|--|---------------------------|--------------|--|-------------------------------|-----------|---------------|----------------|------------|-----------|---------------------------|---|-----|----------------------------|--|
|  |                           |              | All Causes                             | Typhoid and Paratyphoid Fever | Small-pox | Scarlet Fever | Whooping Cough | Diphtheria | Influenza | Total Deaths under 1 year | Diarrhoea and Enteritis (under 2 years) |     |                            |  |
|  | Live Births               | Still Births |  |                               |           |               |                |            |           |                           |   |     |                            |  |
| England and Wales ...  | 19.1                      | 0.53         | 11.5                                   | 0.00                          | 0.00      | 0.00          | 0.00           | 0.02       | 0.01      | 0.15                      | 43                                      | 4.4 |                            |  |
| 126 County Boroughs and Great Towns, including London ...                              | 22.2                      | 0.67         | 12.7                                   | 0.00                          | 0.00      | 0.01          | 0.00           | 0.02       | 0.01      | 0.13                      | 45                                      | 6.1 |                            |  |
| 148 Smaller Towns (Estimated Resident Populations 25,000 to 50,000 at Census 1931) ... | 21.3                      | 0.59         | 11.7                                   | 0.00                          | 0.00      | 0.00          | 0.00           | 0.02       | 0.01      | 0.14                      | 37                                      | 2.8 |                            |  |
| London ...   | 21.5                      | 0.54         | 12.7                                   | 0.00                          | 0.00      | 0.01          | 0.00           | 0.02       | 0.01      | 0.12                      | 41                                      | 4.2 |                            |  |
| Thornaby-on-Tees ...   | 21.9                      | 0.86         | 12.0                                   | 0.00                          | 0.00      | 0.00          | 0.00           | 0.09       | 0.00      | 0.14                      | 51.6                                    | 2.1 |                            |  |

The maternal mortality rates for England and Wales are as follows per 1,000 Total Births

|           |        |        |       |
|-----------|--------|--------|-------|
| Puerperal | Sepsis | Others | Total |
| 0.31      | 1.12   | 1.98   | 1.43  |
| 0.00      | 1.98   | 1.98   | 1.98  |

Thornaby

**CASE RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR 1946.**  
**England and Wales, 126 County Boroughs and Great Towns, and 148 Smaller Towns.**

RATES PER 1,000 POPULATION

|   | Small-pox | Scarlet Fever | Diphtheria | Enteric Fever | Para Typhoid Fever | Erysipelas | Pneumonia | Measles | Whooping Cough |
|---|-----------|---------------|------------|---------------|--------------------|------------|-----------|---------|----------------|
| England and Wales ... ..  | 0.00      | 1.38          | 0.28       | 0.01          | 0.02               | 0.22       | 0.89      | 3.92    | 2.28           |
| 126 County Boroughs and Great Towns including London ...                                | 0.00      | 1.51          | 0.32       | 0.01          | 0.02               | 0.25       | 1.02      | 4.73    | 2.48           |
| 148 Smaller Towns (estimated Resident Populations 25,000 to 50,000 at Census, 1931) ... | 0.00      | 1.33          | 0.31       | 0.01          | 0.01               | 0.22       | 0.74      | 3.70    | 2.05           |
| London ... ..   | 0.00      | 1.42          | 0.24       | 0.01          | 0.01               | 0.27       | 0.75      | 7.35    | 2.22           |
| Thornaby-on-Tees ... ..   | 0.00      | 5.22          | 0.68       | 0.00          | 0.00               | 0.68       | 1.63      | 8.80    | 2.04           |

**COMPARATIVE TABLE OF VITAL STATISTICS, 1929-1946.**

| YEAR | Population<br>Estimated | Birth Rate | Death Rate | Infantile<br>Mortality |
|------|-------------------------|------------|------------|------------------------|
| 1929 | 21,580                  | 24.1       | 16.7       | 111.5                  |
| 1930 | 21,580                  | 24.2       | 14.3       | 89.9                   |
| 1931 | 21,510                  | 23.5       | 11.3       | 81.0                   |
| 1932 | 21,200                  | 21.7       | 13.5       | 78.2                   |
| 1933 | 21,320                  | 19.0       | 12.3       | 66.6                   |
| 1934 | 21,270                  | 20.4       | 12.1       | 55.2                   |
| 1935 | 21,330                  | 19.1       | 13.2       | 66.1                   |
| 1936 | 21,630                  | 19.74      | 12.1       | 82.0                   |
| 1937 | 21,740                  | 20.92      | 10.9       | 39.0                   |
| 1938 | 21,740                  | 20.3       | 11.4       | 65.9                   |
| 1939 | 21,950                  | 20.5       | 11.9       | 75.2                   |
| 1940 | 20,870                  | 20.6       | 13.0       | 76.7                   |
| 1941 | 20,870                  | 20.1       | 13.1       | 58.4                   |
| 1942 | 20,810                  | 19.1       | 11.0       | 65.5                   |
| 1943 | 20,600                  | 22.0       | 13.9       | 70.6                   |
| 1944 | 20,560                  | 22.7       | 11.3       | 55.5                   |
| 1945 | 20,780                  | 19.3       | 11.9       | 82.0                   |
| 1946 | 22,030                  | 21.9       | 12.0       | 51.6                   |

## CAUSES OF DEATH DURING THE YEAR 1946

| CAUSES OF DEATH   | Males | Females |
|---|-------|---------|
| All Causes ... ..   | 146   | 118     |
| Typhoid and Para-Typhoid Fevers ...                                 | —     | —       |
| Measles ... ..  | —     | —       |
| Scarlet Fever ... ..  | —     | —       |
| Whooping Cough ... ..   | —     | 2       |
| Diphtheria ... ..   | —     | —       |
| Influenza ... ..  | 2     | 1       |
| Encephalitis Lethargica ... ..                                      | 1     | —       |
| Cerebro-Spinal Fever ... ..   | —     | 1       |
| Tuberculosis of Respiratory System ...                              | 15    | 7       |
| Other Tuberculosis Diseases ... ..                                  | 3     | 2       |
| Syphilis ... ..   | —     | —       |
| Cancer, malignant disease ... ..                                    | 21    | 14      |
| Diabetes ... ..   | —     | 2       |
| Cerebral Haemorrhage, etc. ... ..                                   | 11    | 14      |
| Heart Disease ... ..  | 38    | 34      |
| Other Circulatory Diseases ... ..                                   | 4     | 2       |
| Bronchitis ... ..   | 6     | 11      |
| Pneumonia (all forms) ... ..  | 10    | 6       |
| Other Respiratory Diseases ... ..                                   | 3     | 1       |
| Peptic Ulcer ... ..   | 2     | —       |
| Diarrhoea (under two years) ... ..                                  | —     | 1       |
| Appendicitis ... ..   | 2     | —       |
| Other Digestive Diseases ... ..                                     | 7     | 2       |
| Acute and Chronic Nephritis ... ..                                  | 2     | 2       |
| Puerperal Sepsis ... ..   | —     | —       |
| Other Puerperal Causes ... ..                                       | —     | 1       |
| Congenital Debility, Premature Birth,<br>Malformations, etc. ... .. | 3     | 6       |
| Suicide ... ..  | 1     | —       |
| Road Traffic Accidents ... ..                                       | 4     | 1       |
| Other Violence ... ..   | 2     | 3       |
| All Other Causes ... ..   | 9     | 5       |

## **GENERAL PROVISION OF HEALTH SERVICES IN THE BOROUGH.**

### **1. PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.**

At the beginning of the Report a list is given showing the Officers connected with the Health Services in the Borough.

### **2. SERVICES PROVIDED IN THE AREA.**

(a) Laboratory Facilities. During the year the Borough Council continued the arrangements offered by the Emergency Public Health Laboratory, County Hall, Northallerton, in respect of diagnosis of pathological specimens at a fixed annual charge based on the average expenditure of previous years for this service.

(b) Ambulance Facilities. There is no change in the previous arrangements and these have been satisfactory.

(c) Nursing in the Home. This is carried out by the Stockton and Thornaby District Nursing Association and has worked satisfactorily. A contribution is made by the Town Council towards the funds of the Association to provide for nursing of patients suffering from Measles, Whooping Cough, Ophthalmia Neonatorum and Puerperal Pyrexia. Through this arrangement 32 children and 223 adults were nursed during the year.

(d) Clinics and Treatment Centres.

#### **Maternity and Child Welfare Department.**

Infant Welfare Clinics—each Tuesday and Thursday, 2—4 p.m.

Ante-Natal Clinics—weekly on Friday, 2—4 p.m. (except first Friday in each month).

Post-Natal cases are seen on the first Friday in each month.

Dental Clinics—the last Thursday in each month at 1-30 p.m.

#### **Clinics undertaken by the North Riding County Council.**

Minor Ailments Clinic (for school children)—each Monday and Friday at 9-0 a.m. The Medical Officer of Health attends the Clinic on Fridays.

Tuberculosis Clinic—each Tuesday at 10-0 a.m.

Orthopaedic Clinic—fortnightly on Monday, at 10-30 a.m. The Orthopaedic Surgeon attends every four weeks. The intermediate clinics are conducted by a nurse from the Yorkshire Children's Orthopaedic Hospital, who carries out remedial exercises.

Visual Defects—a Clinic is arranged when there are eight cases on the waiting list and is held on Thursday mornings.

The Clinics are all held at the Health Centre, George Street.

(e) Hospitals.

The Hospital facilities remain unchanged.

### 3. MATERNITY AND CHILD WELFARE SERVICES.

Arrangements exist whereby difficult and dangerous maternity cases are admitted to the Maternity Hospital under the control of the Middlesbrough County Borough Council, and the services of Dr. G. F. Longbotham are available as a Consultant when necessary.

The number of difficult and dangerous maternity cases admitted to the Middlesbrough Municipal Maternity Hospital during the year under this scheme was 26, and 5 further maternity cases were admitted to the County Maternity Home, Guisborough, owing to unsuitable home conditions.

The Midwives practising in the Borough are not subsidised by the Council and the County Council is the supervising authority.

Arrangements are made whereby children under the age of five attend the Orthopaedic Clinics and the Clinics for visual defects and defects of the Ear, Nose and Throat, held by the North Riding County Council.

As the Local Authority discharges the functions under Part I. of the Children Act, 1908, as amended by the Children and Young Persons Act, 1932, and Part VII. of the Public Health Act, 1936, the Health Visitor acts as Infant Protection Visitor. Particulars as to the work carried out at the Clinic and in Health Visiting will be found under the Section dealing with Maternity and Child Welfare.

### SANITARY CIRCUMSTANCES OF THE AREA.

**Water.** The supply is obtained from the Tees Valley Water Board. There is adequate piped supply to all households and no complaints were received. Arrangements are now being made whereby samples of water will be taken quarterly for examination. Co-ordination will be established

with the Tees Valley Water Board by informing them of the times and places of the taking of the samples in order that the Water Board may take similar samples. Information will be exchanged between the Health Department and the Tees Valley Water Board regarding the result of the analyses.

#### **Drainage and Sewerage.**

There has been no alteration since the last Report.

#### **Closet Accommodation.**

With few exceptions the town has a complete water carriage system.

#### **Public Cleansing.**

This work is under the immediate control of the Sanitary Inspector and was carried out as in past years.

#### **Sanitary Inspection of the Area.**

A summary of the work done in the Sanitary Inspector's Department during the year is given further in this Report.

#### **Camping Sites.**

There are no camping sites in the Borough.

#### **Swimming Baths.**

The Municipal Swimming Bath was opened on the 21st March, 1938.

The bathing pool has a water surface area of 100 feet by 35 feet and the depth varies from 3 to 9 feet.

The "Continuous Filtration Method" is in operation, the water being pumped from the deep end of the Bath and passed through a strainer and after the addition of coagulants to precipitate the organic matter contained and ensure efficient filtration it is pumped to the top of the filter units, which consist of vertical cylinders containing sand; the water passes through the sand into the collecting pipes at the bottom of the units; it is then heated, aerated and chlorinated and returned to the bath through a number of inlets at the shallow end. For this purpose there are installed—three vertical Air-scoured Pressure Filters, Chemical apparatus for treating the water, a steam-heated Calorifier capable of raising the temperature of the water 3 degrees Fahrenheit per circulation, an Aerator for the aeration of the water and the release of surplus air and foul gases, a Chlorinator, Pumps and an Air Compressor—all of which ensure that the whole of the bath water will pass through the plant at least once in every four hours at a filtration speed per hour of 206 gallons per sq. foot

of sand. When the plant has been in operation for a certain period, the sand in the filters becomes clogged with matter removed from the water, and it is subjected to a cleansing process, which is carried out within the filters. This consists of an intensive agitation of the sand bed by means of compressed air, followed by a reverse flow of water in an upward direction. The scouring action of the air loosens all the accumulated dirt, which is carried away to waste by the reverse flow of water, leaving the sand in its original clean condition.

Chemical and bacteriological examinations have been made on samples of the bath water during the year, with highly satisfactory results.

**Schools.**

The sanitary conditions of the Schools were satisfactory.

**INSPECTION AND SUPERVISION OF FOOD.**

For information regarding the supervision of foods see the Sanitary Inspector's Report.

**FOOD AND DRUGS ACT, 1938.**

For the work done under this Act and for this information I am indebted to the Inspector of Weights and Measures.

I have to report that during the year ending 31st December, 1946, 52 samples of food were taken in the Borough of Thornaby-on-Tees, and were submitted to the Public Analyst for analysis under the above Act.

I have pleasure in reporting that the whole of these samples, except for one sample of sausages, were returned as genuine.

The sausage sample was found to be very slightly deficient in meat content and enquiry showed this to be due to faulty mixing. The vendor was officially cautioned by the Chief Constable and a subsequent sample taken from the vendor was found to be in order.

A detailed list is appended:—

|            |     |     |     |     |    |
|------------|-----|-----|-----|-----|----|
| Milk       | ... | ... | ... | ... | 18 |
| Coffee     | ... | ... | ... | ... | 2  |
| Salt       | ... | ... | ... | ... | 1  |
| Tea        | ... | ... | ... | ... | 1  |
| Butter     | ... | ... | ... | ... | 3  |
| Lemon Curd | ... | ... | ... | ... | 1  |
| Pepper     | ... | ... | ... | ... | 1  |
| Semolina   | ... | ... | ... | ... | 1  |



|                         |     |       |     |    |
|-------------------------|-----|-------|-----|----|
| Sausages                | ... | ...   | ... | 2  |
| Mixed Spice             | ... | ...   | ... | 1  |
| Cocoa                   | ... | ...   | ... | 1  |
| Peach Jam               | ... | ...   | ... | 1  |
| Sage and Onion Stuffing | ... | ...   | ... | 1  |
| Malted Food             | ... | ...   | ... | 1  |
| Compound Lard           | ... | ...   | ... | 2  |
| Malt Vinegar            | ... | ...   | ... | 7  |
| Ground Mustard          | ... | ...   | ... | 2  |
| Black Currant Jelly     | ... | ...   | ... | 1  |
| Golden Raising Powder   | ... | ...   | ... | 2  |
| Cream of Tartar         | ... | ...   | ... | 1  |
| Table Dessert Powder    | ... | ...   | ... | 1  |
| Ground Nutmeg           | ... | ...   | ... | 1  |
|                         |     |       |     | —  |
|                         |     | Total | ... | 52 |
|                         |     |       |     | —  |

INSPECTION AND SUPERVISION OF FOOD.  
 For information regarding the supervision of foods see  
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### FOOD AND DRUGS ACT, 1938.

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Milk  
 Coffee  
 Tea  
 Butter  
 Lemon Curd  
 Syrup  
 Sausages

## PREVALENCE OF, AND CONTROL OVER INFECTIOUS DISEASE.

### Table of Incidence of Infectious Disease.

| DISEASE                                      | No. of<br>Cases<br>Notified | No. of<br>Cases<br>admitted to<br>Hospital | No. of<br>Deaths |
|--|-----------------------------|--|------------------|
| Smallpox ... ..                              | —                           | —  | —                |
| Diphtheria ... ..                            | 15                          | 15   | —                |
| Scarlet Fever ... ..                         | 115                         | 101  | —                |
| Puerperal Pyrexia ... ..                     | 7                           | 2  | —                |
| Pneumonia (Primary and<br>Influenzal) ... .. | 36                          | 3  | 16               |
| Erysipelas ... ..                            | 15                          | —  | —                |
| Ophthalmia Neonatorum ... ..                 | 3                           | —  | —                |
| Cerebro Spinal Meningitis ... ..             | 1                           | 1  | 1                |
| Measles ... ..                               | 194                         | 1  | —                |
| Whooping Cough ... ..                        | 45                          | —  | 2                |

### ANALYSIS OF TOTAL NOTIFIED CASES IN AGE GROUPS.

| Age Group        | Smallpox | Diphtheria | Scarlet<br>Fever | Puerperal<br>Pyrexia | Pneumonia | Erysipelas | Ophthalmia<br>Neonatorum | Measles | Whooping<br>Cough | Cerebro-Spinal<br>Fever |
|------------------|----------|------------|------------------|----------------------|-----------|------------|--------------------------|---------|-------------------|-------------------------|
| Under 1 year ... | —        | —          | 1                | —                    | 2         | —          | 3                        | 14      | 6                 | —                       |
| 1—2 years ...    | —        | —          | —                | —                    | 2         | —          | —                        | 10      | 5                 | —                       |
| 2—3 " ...        | —        | 3          | —                | —                    | 1         | 1          | —                        | 25      | 6                 | —                       |
| 3—4 " ...        | —        | —          | 5                | —                    | —         | —          | —                        | 30      | 4                 | —                       |
| 4—5 " ...        | —        | 1          | 4                | —                    | 1         | —          | —                        | 25      | 7                 | —                       |
| 5—10 " ...       | —        | 6          | 54               | —                    | 4         | —          | —                        | 90      | 17                | —                       |
| 10—15 " ...      | —        | 3          | 42               | —                    | 1         | —          | —                        | —       | —                 | —                       |
| 15—20 " ...      | —        | 1          | 6                | 1                    | 2         | —          | —                        | —       | —                 | —                       |
| 20—35 " ...      | —        | 1          | 3                | 4                    | 7         | 5          | —                        | —       | —                 | —                       |
| 35—45 " ...      | —        | —          | —                | 2                    | 4         | —          | —                        | —       | —                 | 1                       |
| 45—65 " ...      | —        | —          | —                | —                    | 9         | 6          | —                        | —       | —                 | —                       |
| 65 & upwards ..  | —        | —          | —                | —                    | 3         | 3          | —                        | —       | —                 | —                       |

## DIPHTHERIA PREVENTION.

Diphtheria anti-toxin is supplied free to any Medical Practitioner in the Town who applies for it. Swabs from suspected cases are examined at the Emergency Public Health Laboratory, County Hall, Northallerton.

During the year 15 cases of diphtheria were notified and removed to the Isolation Hospital. Of these 5 are known to have completed the course of immunisation not less than 12 weeks before the onset of the disease. There was no death from diphtheria during the year.

The number of cases of this disease shows a decrease as compared with that for the previous year, when there were 24 notifications with one death in a non-immunised child.

As regards diphtheria prevention it is estimated that over 90% of Thornaby school children have been immunised against the disease since the inception of the Anti-Diphtheria Campaign in 1940.

Similarly, the figure for children under school age immunised against diphtheria was 58%.

A Diphtheria Prevention Clinic is held every Thursday afternoon at the Welfare Centre, at which children, whether above or below school age, are dealt with.

In the course of medical inspections at schools and at the Welfare Centre, all parents with children who have not been protected against diphtheria are urged to attend the special clinic without delay. This personal contact between parents and medical and nursing staff has been helpful in persuading previous objectors to have their children treated and seems to lead to more favourable results than poster and newspaper propaganda alone.

## TUBERCULOSIS.

The following table shows the new cases and deaths for the Borough of Thornaby-on-Tees during 1946:—

| AGE PERIODS       | NEW CASES |          |               |          | TOTAL DEATHS |          |               |          |
|-------------------|-----------|----------|---------------|----------|--------------|----------|---------------|----------|
|                   | Pulmonary |          | Non-Pulmonary |          | Pulmonary    |          | Non-Pulmonary |          |
|                   | M         | F        | M             | F        | M            | F        | M             | F        |
| Under 1 year      | ...       | ...      | ...           | ...      | ....         | ....     | ....          | ....     |
| 1—5 years ...     | ...       | ...      | ...           | ...      | ....         | ....     | 2             | ....     |
| 5—10 " ...        | ...       | 1        | ...           | 1        | ....         | ....     | ...           | ....     |
| 10—15 " ...       | ...       | ...      | 1             | 1        | ....         | ....     | ....          | ....     |
| 15—20 " ...       | ...       | 1        | 1             | ...      | 2            | 1        | ....          | 1        |
| 20—25 " ...       | 1         | 2        | ...           | 1        | ....         | 1        | ....          | ....     |
| 25—35 " ...       | ...       | 2        | 1             | ...      | 3            | 2        | ...           | ....     |
| 35—45 " ...       | ...       | 1        | ...           | ...      | 1            | 1        | 1             | 1        |
| 45—55 " ...       | 3         | ...      | ...           | ...      | 2            | 1        | ....          | ...      |
| 55—65 " ...       | 2         | ...      | ...           | ...      | 5            | 1        | ....          | ....     |
| 65 & upwards      | ...       | ...      | ...           | ...      | 1            | ....     | ....          | ....     |
| <b>TOTALS ...</b> | <b>6</b>  | <b>7</b> | <b>3</b>      | <b>3</b> | <b>14</b>    | <b>7</b> | <b>3</b>      | <b>2</b> |

### Classification of Non-Pulmonary cases of Tuberculosis:

|           |     |     |     |   |
|-----------|-----|-----|-----|---|
| Abdominal | ... | ... | ... | 1 |
| Glands    | ... | ... | ... | 3 |
| Osseous   | ... | ... | ... | 2 |

### GENERAL CLEANLINESS.

During the year scabies and impetigo both showed decreased prevalence, and on the whole the standard of cleanliness has been good. Fewer cases of head lice and nits have been noted on medical inspections. The cleanliness surveys carried out by the nursing staff are an important factor in maintaining the standard of cleanliness and the contacts of cases and the homes are also kept under close supervision.

Treatment of verminous heads by means of D.D.T. Emulsion has given very satisfactory results.

## REPORT OF THE SANITARY INSPECTOR FOR THE YEAR 1946.

### SANITARY INSPECTION OF THE AREA.

#### Description of Works carried out.

|                                    |     |     |     |     |      |
|------------------------------------|-----|-----|-----|-----|------|
| Number of Inspections made         | ... | ... | ... | ... | 843  |
| Number of Re-Inspections made      | ... | ... | ... | ... | 3800 |
| Number of Informal Notices served  | ... | ... | ... | ... | 843  |
| Number of Statutory Notices served | ... | ... | ... | ... | 160  |

#### RESULT OF SERVICE OF NOTICES.

##### Drainage.

|   |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|
| Single private drains reconstructed or repaired | ... | ... | ... | ... | 114 |
| Waste pipes of sinks trapped or renewed         | ... | ... | ... | ... | 41  |
| Gullies renewed                                 | ... | ... | ... | ... | —   |
| Grate tops renewed                              | ... | ... | ... | ... | 3   |

##### Water Closets.

|  |     |     |     |     |    |
|--|-----|-----|-----|-----|----|
| Provided with sufficient supply of water | ... | ... | ... | ... | 1  |
| Cisterns repaired or renewed             | ... | ... | ... | ... | 49 |
| Basins renewed                           | ... | ... | ... | ... | 14 |

##### Houses.

|   |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|
| Roofs repaired                                    | ... | ... | ... | ... | 120 |
| Eaves gutters repaired or renewed                 | ... | ... | ... | ... | 123 |
| Fall pipes repaired or renewed                    | ... | ... | ... | ... | 33  |
| Yard Pavements repaired or relaid                 | ... | ... | ... | ... | 17  |
| Floors repaired or relaid                         | ... | ... | ... | ... | 81  |
| Defective walls                                   | ... | ... | ... | ... | 173 |
| Defective plasterwork                             | ... | ... | ... | ... | 246 |
| Defective ceilings                                | ... | ... | ... | ... | 39  |
| Defective fireplaces                              | ... | ... | ... | ... | 15  |
| Defective fireranges                              | ... | ... | ... | ... | 24  |
| Defective ovens                                   | ... | ... | ... | ... | 5   |
| Dilapidated set pots                              | ... | ... | ... | ... | 17  |
| Dilapidated set pot firebars                      | ... | ... | ... | ... | 14  |
| Handrails fixed or repaired                       | ... | ... | ... | ... | 1   |
| Defective sash cords and windows                  | ... | ... | ... | ... | 94  |
| Defective chimneys                                | ... | ... | ... | ... | 9   |
| Defective yard doors                              | ... | ... | ... | ... | 48  |
| Dilapidated coals doors                           | ... | ... | ... | ... | 16  |
| Dilapidated doors (front and internal)            | ... | ... | ... | ... | 44  |
| Dilapidated dustbins                              | ... | ... | ... | ... | 342 |
| Dilapidated closet doors                          | ... | ... | ... | ... | 31  |
| Dilapidated closet seats                          | ... | ... | ... | ... | 38  |
| Defective closet roofs                            | ... | ... | ... | ... | 45  |
| Defective joint between flush pipe and W.C. basin | ... | ... | ... | ... | 30  |

|   |     |
|---|-----|
| New windows provided to food stores ... ..    | 2   |
| Defective flues ... ..                        | 34  |
| Miscellaneous minor defects ... ..            | 89  |
| Patients removed to hospital ... ..           | 132 |
| Rooms disinfected ... ..                      | 134 |
| Accumulations of refuse removed ... ..        | 3   |
| Mattresses destroyed ... ..                   | —   |
| Sets of bedding and beds destroyed ... ..     | 4   |
| Washing accommodation provided ... ..         | 9   |
| New food stores provided ... ..               | 1   |
| Sinks provided or renewed ... ..              | 3   |
| Houses provided with damp course ... ..       | 12  |
| Water supply pipes repaired or renewed ... .. | 200 |
| Premises cleansed ... ..                      | —   |
| Storage of Coals provided ... ..              | —   |

### Sanitary Conveniences.

|  |         |
|--|---------|
| Number of privies, fixed receptacles ... ..    | 14      |
| Number of privies, moveable receptacles ... .. | 6       |
| Number of fresh water closets ... ..           | 5,798   |
| Privy middens cleansed ... ..                  | 366     |
| Pan closets cleansed ... ..                    | 182     |
| Dry ashbins cleansed ... ..                    | 232,788 |
| Loads of Rubbish—Trailer Loads ... ..          | 3,383   |

### Offensive Trades.

There are no offensive trades carried on within the Borough.

### Common Lodging Houses.

There are no Common Lodging Houses in the Borough.

### Slaughterhouses.

|                        |   |
|------------------------|---|
| Number licensed ... .. | 3 |
|------------------------|---|

### Dairies and Milkshops.

|                              |    |
|------------------------------|----|
| Number on Register ... ..    | 48 |
| Number of Inspections ... .. | 53 |

### Milk (Special Designations) Order, 1936.

|   |    |
|---|----|
| Number of Dealers' Licences granted for Tuberculin Tested Milk ... .. | 3  |
| Number of Dealers' Licences granted for Accredited Milk ... ..        | 1  |
| Number of Dealers' Licences granted for Pasteurised Milk ... ..       | 12 |
| Number of Supplementary Licences granted for Pasteurised Milk ... ..  | 1  |

## Cowsheds.

|                                   |     |     |     |    |
|-----------------------------------|-----|-----|-----|----|
| Number of Registered Cowkeepers   | ... | ... | ... | 6  |
| Number of Cowsheds in the Borough | ... | ... | ... | 9  |
| Number of Inspections             | ... | ... | ... | 14 |
| Number of Notices to Limewash     | ... | ... | ... | —  |

## FOODSTUFFS.

The following is a list of Foodstuffs surrendered as unfit for human consumption:—

41—Packets American Cream Flavour Shake (7½d.).

108—Packets Dessert Mould (7½d.).

23—Packets Dessert Mould (3½d.).

24—Salad Dressing (3½d.).

2—2½ lb. Tins Fruit Cocktail.

2—16 oz. Tins Meat & Vegetable Rations with Beans.

1—32 oz. Tin Meat & Vegetable.

6—1 lb. Tins Beans in Tomatoes.

5—4 lb. Tins Brisket Beef.

1—19 oz. Tin Benedict Peas.

4—1 lb. 3 oz. Tins Tomatoes.

3—1 lb. 3 oz. Tins Batchelor Peas.

6—16 oz. Tins Beans.

1—16 oz. Tin Stewed Steak.

2—1½ lbs. Vienna Sausage.

2—4½ oz. Tins Sardines.

1—16 oz. Tin Condensed Milk.

1—1 lb. Tin Lemon Curd.

1—6 lb. Tin Cooked Lunch Tongue.

2—1 lb. Tins Heinz Beans.

3—½ lb. Tins Salmon, Grade 3.

4—1 lb. 14 oz. Tins Beans.

1—1 lb. Tin Irish Stew.

1—1 lb. Tin Pilchards.

4—1 lb. Tins Carnation Milk (Unsweetened).

1—Tin Soup (Small).

2—Tins Salmon—Group 1.

8—15 oz. Tins Pilchards.

5—1 lb. Jars of Jam.

- 2—16 oz. Tins Processed Peas.
- 2—1 $\frac{7}{8}$  Pint Tins Skimmed Milk.
- 1—Tin Nestle's Milk.
- 1—16 oz. Tin Steak & Kidney.
- 2—7 $\frac{3}{4}$  oz. Tins Salmon—Grade 2.
- 1—12 oz. Tin Kraft Cheese.
- 23—14 $\frac{1}{2}$  oz. Tins Evap. Milk.
- 1—6 lb. Tin Tongue.
- 46—6 lb. Tins Corned Beef.
- 186—12 oz. Tins Corned Beef.
- 1—6 lb. Tin Corned Mutton.
- 121 lbs. Frozen N. Z. Lamb (3 carcasses).
- 12 Frozen Rabbits.
- 20 lbs. Mutton.
- 4 stones Lemon Soles.
- 2 cwts. Cod.
- 13 lbs. Filleted Fish.
- 5 $\frac{3}{4}$  lbs. Cheese.
- 106 lbs. Hindquarter Beef.

### **DISEASES OF ANIMALS ACT.**

#### **Swine Fever.**

On two occasions reports were received of the suspected outbreak of Swine Fever within the Borough.

#### **Tuberculosis Order, 1938.**

#### **Foot and Mouth Disease.**

#### **Anthrax.**

#### **Parasitic Mange.**

The Area has remained free from these diseases.

### **SHOPS ACT, 1934.**

|  |     |     |     |     |    |
|--|-----|-----|-----|-----|----|
| Number of Inspections made                   | ... | ... | ... | ... | —  |
| Number of Re-Inspections made                | ... | ... | ... | ... | 58 |
| Number of Informal Notices served            | ... | ... | ... | ... | —  |
| Number of Statutory Notices served           | ... | ... | ... | ... | —  |
| Number of Certificates of Exemption granted— |     |     |     |     |    |
| Sanitary Conveniences                        | ... | ... | ... | ... | —  |



## ERADICATION OF BED BUGS.

The method adopted to eradicate the bed bug is as follows: All paper is stripped from the walls, skirtings—door and window moulds removed—followed by the spraying of walls, woodwork and bedsteads with an insecticide (Vermicine). The rooms are inspected two days following the spraying and if found satisfactory the woodwork is refixed; in only a few instances has it been found necessary to spray a second time.

The houses of all prospective tenants for Council Houses are inspected and the house and furniture must be certified by the Sanitary Inspector as clear from vermin before removal takes place.

Disinfestation is generally carried out by the Local Authority. In other cases it is carried out by the occupiers on the advice of the Sanitary Department.

|   |    |
|---|----|
| Number of Inspections                                     | 33 |
| Number of Council houses infested                         | 4  |
| Number of Council houses disinfested                      | 4  |
| Number of other Houses infested                           | 6  |
| Number of other Houses disinfested by Sanitary Dept.      | 6  |
| Number of other Houses disinfested by Occupiers or Owners | —  |

## HOUSING STATISTICS.

### 1. Inspection of Dwelling Houses during the year:—

- (1) (a) Total number of dwelling-houses inspected for Housing defects (under Public Health or Housing Acts) ... 843
- (b) Number of inspections made for the purpose ... 3,793
- (2) (a) Number of dwellinghouses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1929 and 1932 ... —
- (b) Number of inspections made for the purpose ... 7
- (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... —
- (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ... —

## 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 ... .. 773

## 3. Action under Statutory Powers during the Year:—

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

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ... .. 82

(2) Number of dwelling-houses which were rendered fit after service of formal notices:—

(a) By owners ... .. 45

(b) By Local Authority in default of owners ... .. —

(b) Proceedings under Public Health Acts:—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... .. 76

(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—

(a) By owners ... .. 69

(b) By Local Authority in default of owners ... .. 8

(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 ... .. —

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders ... .. —

(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 ... .. —

## MATERNITY AND CHILD WELFARE SERVICES.

For the figures in this section of the report I am indebted to the Health Visitor.

Population of the area served by the Council as Welfare

Authority ... .. 22,030

Number of births notified in that area during the year under section 203 of the Public Health Act, 1936, or section 255 of the Public Health (London) Act, 1936, as adjusted by any transferred notifications:—

(a) Live Births —497 (b) Still Births—17 Total—514  
 (d) By midwives—402 (e) By doctors and parents—112

### Health Visiting.

(a) Number of Health Visitors employed at the end of the year:—

1. By the Council—One.
2. By Voluntary Associations—None.

(b) Number of visits paid during the year by the Health Visitor:—

1. To expectant mothers:  
     First visits ... 142      Total visits ... 363
2. To children under one year of age:  
     First visits ... 326      Total visits ... 703
3. To children between the ages of  
     1 & 5 years:              Total visits ... 1641

### Infant Welfare Centres.

(a) Number of Centres provided and maintained by the Council ... .. 1

(b) Number of Centres provided and maintained by Voluntary Associations ... .. 0

(c) Total number of attendances during the year:—

1. By children under 1 year of age ... .. 5,981
2. By children between the ages of 1 & 5 yrs. 659

(d) Total number of children who first attended at the Centres during the year and who, on the date of their first attendance, were:—

1. Under 1 year of age ... .. 325
2. Between the ages of 1 and 5 years ... 66

|   |              |
|---|--------------|
| (e) Total number of children under 5 years of age who attended at the Centres during the year and who, at the end of the year, were:— |              |
| 1. Under 1 year of age  | 289          |
| 2. Over 1 year of age   | 215          |
| (f) Percentage of notified live births represented by the number in (d) 1.  | 67           |
| Number of medical consultations during the year:—   |              |
| Children under 1 year   | 1,431        |
| Children over 1 year  | 1,021        |
| Total   | <u>2,452</u> |

### Ante-Natal Clinics.

34 Sessions were held.

|   |     |
|---|-----|
| Number of expectant mothers who attended for first time   | 236 |
| Total number of women who attended clinic during year   | 337 |
| Number of re-visits   | 334 |
| Total number of attendances at the Clinics during the year  | 573 |
| Percentage of total notified births (live and still) represented by the number of women who attended at the Clinics during the year | 67  |

### Post-Natal Clinics.

10 Sessions were held.

|   |    |
|---|----|
| Number of new cases attending Clinics during year | 64 |
| Total number of attendances                       | 66 |

### Orthopaedic Clinics.

20 Sessions were held.

|  |    |
|--|----|
| Number of new cases attending the Clinic during 1946 | 20 |
| Number of re-attendances                             | 61 |
| Total attendances                                    | 81 |
| Number of cases admitted to hospital during the year | —  |
| Number of cases in hospital, 1st January, 1946       | —  |

### Infant Life Protection.

|  |   |
|--|---|
| Number of children on books 1st January, 1946                      | — |
| Number of new cases during the year                                | — |
| Number of children who attained the age of 9 years during the year | — |
| Number of children who left the district during the year           | — |
| Number remaining on the books 31st December, 1946                  | — |

**Ante-Natal Clinics**

34 Sessions were held.

|   |     |
|---|-----|
| Number of expectant mothers who attended for first time in 1946   | 236 |
| Total number of women who attended clinic during year   | 337 |
| Number of trichloroacetic acid treatments given during the year   | 334 |
| Total number of attendances at the Clinics during the year  | 575 |
| Percentage of total notified births (live and still) represented by the number of women who attended at the Clinics during the year | 62  |

**Post-Natal Clinics**

10 Sessions were held.

|   |    |
|---|----|
| Number of new cases attending Clinics during year | 64 |
| Total number of attendances                       | 66 |

**Orthopaedic Clinics**

20 Sessions were held.

|  |    |
|--|----|
| Number of new cases attending the Clinic during 1946 | 20 |
| Number of re-attendances                             | 61 |
| Total attendances                                    | 81 |
| Number of cases admitted to hospital during the year | —  |
| Number of cases in hospital during January, 1946     | —  |

**Infant Life Protection**

|  |   |
|--|---|
| Number of children on books for January, 1946                      | — |
| Number of new cases during the year                                | — |
| Number of children who attained the age of 3 years during the year | — |
| Number of children who left the district during the year           | — |
| Number remaining on the books at December, 1946                    | — |

THE UNIVERSITY OF CHICAGO

