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BOROUGH OF ILKESTON

ANNUAL HEALTH REPORT

for the Year 1945

BY

H. L. BARKER

M.D., B.S. (Lond.), M.R.C.S., L.R.C.P., D.P.H.

Medical Officer of Health, Medical Superintendent of
the Isolation Hospital, and Superintendent of Maternity Home.

Thos. Roe, Printer, Bath Street, Ilkeston



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BOROUGH OF ILKESTON

HEALTH, MATERNITY AND CHILD WELFARE COMMITTEE

THE MAYOR (Councillor Mrs. J. Taylor, J.P.)	Councillor J. HOULT
Alderman J. WOOLLEY, J.P. (Chairman)	" L. MIDGLEY
" J. HENSHAW	" J. H. NICKLIN
Councillor E. ADAMS	" H. TRUEMAN
" D. BARTON	" R. WINFIELD
" E. BOSTOCK	Mrs. C. BARTON
" J. C. BRITTON	" E. COPLEY
" G. H. BROUGHTON	" C. NICKLIN
" E. A. HESKETT	" B. SQUIRES
" O. G. HILL	" H. THORNHILL
	" A. WILLAMETT

HOUSING AND TOWN PLANNING COMMITTEE

THE MAYOR (Councillor Mrs. J. Taylor, J.P.)	Councillor J. E. HOLLINGSWORTH
Alderman A. HENSHAW, J.P.	" J. HOULT
" J. HENSHAW (Chairman)	" J. A. MACDONALD, M.B.E.
" J. WOOLLEY, J.P.	" A. MEAKIN
Councillor D. BARTON	" J. H. NICKLIN
" E. BOSTOCK	" S. PAGE, J.P.
" G. H. BROUGHTON	

PUBLIC HEALTH STAFF (1945)

Medical Officer of Health and Superintendent of the Isolation Hospital :

H. L. BARKER, M.D., B.S. (Lond.), M.R.C.S., L.R.C.P., D.P.H.—(1)

Obstetric Physician to the Maternity Home and Medical Officer to Wesley Street Welfare Centre :

F. B. SUDBURY, M.B., B.Ch. (Camb.), M.R.C.S., L.R.C.P.—(1)(2)

Physician to Ante-Natal Clinic :

MARGARET GLEN BOTT, M.B., B.S. (Lond.), M.R.C.S., L.R.C.P.
(1) (2)

Tuberculosis Officer (appointed by Derbyshire County Council) :

C. KINGSTON, M.R.C.S., L.R.C.P., D.P.H.

Orthopaedic Surgeon :

G. A. Q. LENNANE, M.A., M.B., B.Ch.—(1) (2)

Obstetric Consultant :

C. D. LOCHRANE, M.D., F.R.C.S.Ed.—(1) (2)

Senior Sanitary Inspector :

C. E. ADCOCK, Cert.S.I.B., M.S.I.A.—(1)

Sanitary Inspectors :

J. L. WILLOUGHBY, Cert.S.I.B., M.S.I.A.—(1),
appointed September, 1937. On Active Service
Resumed 29th January, 1945. Resigned 13th October, 1945

R. W. BOOTH, Cert.S.I.B., M.S.I.A.—(1),
appointed September, 1938. On Active Service

Health Visitors and School Nurses :

Miss L. OTTEWELL, S.R.N., S.C.M. (1)	appointed 1st March, 1929
Mrs. A. BUSH, S.R.N., S.C.M., H.V.Cert. (1)	appointed 16th July, 1942
Miss E. J. RIDDELL, S.R.N., S.C.M. (1)	appointed 26th July, 1943
Mrs. M. YATES, S.R.N., S.C.M. (1)	appointed 21st July, 1943
	resigned 10th November, 1945
Mrs. E. MILLS (part-time)	appointed 22nd October, 1945
Miss M. HILL	appointed 12th November, 1945

Matron, Isolation Hospital :

Miss F. M. PERRY

Matron, Maternity Home :

Miss L. WELLS, C.M.B.

Matron, Station Road Day Nursery :

Mrs. A. J. GOODWIN, S.R.N. (1) resigned 1st November, 1945

Miss P. WILDGOOSE, (1) appointed 1st November, 1945

Matron, Whitworth Road Day Nursery :

Miss E. M. CLARKE, S.R.N. (1)

Tuberculosis Nurse (appointed by Derbyshire County Council) :

Miss C. M. WHEATLEY, S.R.N.

Clerks :

Miss L. TRUEMAN
Miss H. CLARKE
Miss B. WHITEHEAD
Mr. A. B. CODLING

(1) = *Exchequer Grants.*

(2) = *Part-time Officers.*

SECTION I

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (in acres)	..	..	..	..	..	2,861
Population :—						
Census, 1931	..	..	..	..	..	33,164
No. of Inhabited Houses (1931 Census)	..	..	..	..	..	7,336
No. of Families or Separate Occupiers (1931 Census)	..	..	..	..	..	7,907
Rateable Value, 31st March, 1945	..	..	..	..	..	£149,740
Sum represented by a Penny Rate	..	..	..	..	..	£580
Rates 16s. 0d. in the £ (1944-45).						

EXTRACTS FROM VITAL STATISTICS

Live Births.	Total.	M.	F.	Birth Rate.
Legitimate ..	537	260	277	} 18.99
Illegitimate ..	39	21	18	
	<u>576</u>	<u>281</u>	<u>295</u>	

The Birth Rate for England and Wales for 1945 was 16.1.

Still Births.	Total.	M.	F.
Legitimate ..	17	12	5
Illegitimate ..	2	1	1
	<u>19</u>	<u>13</u>	<u>6</u>

Rate per 1,000 total births (live and still births) .. 31.93

Deaths.	Total.	M.	F.	Ilkeston.	Death Rate.
	344	187	157	11.34	Eng. & Wales. 11.4

Deaths from Puerperal Causes.

	Deaths.	Rate per 1,000 total (live and still) births.
Puerperal Sepsis ..	—	—
Other Maternal Causes ..	—	—
Total ..	Nil	Nil

Infant Mortality.

Death rate of Infants under 1 year of age per 1,000 live births :—

Legitimate infants per 1,000 legitimate live births	39.10
Illegitimate infants per 1,000 illegitimate live births	76.92
All infants per 1,000 live births	41.60
Rate for England and Wales	46.00

Specified Deaths.

Cancer (all ages)	50
Measles (all ages)	1
Whooping Cough (all ages)	1
Diarrhoea (under 2 years)	2

BIRTH-RATES, DEATH-RATES, and ANALYSIS OF MORTALITY **DURING THE YEAR 1945.** *(Provisional figures)*

	BIRTH RATE PER 1,000 POPULATION		ANNUAL DEATH-RATE PER 1,000 POPULATION								RATE per 1,000 LIVE BIRTHS	
	Live Births	Still Births	All Causes	Typhoid and Paratyphoid fevers	Small-pox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Diarrhoea and Enteritis (under two years)	Total Deaths under one year
England and Wales	16.1	0.46	11.4	0.00	0.00	0.02	0.00	0.02	0.02	0.08	5.6	46
126 County Boroughs and Great Towns, including London	19.1	0.58	13.5	0.00	0.00	0.02	0.00	0.02	0.02	0.07	7.8	54
148 Smaller Towns (Estimated Resident Populations 25,000 to 50,000 at Census, 1931)	19.2	0.53	12.3	0.00	0.00	0.02	0.00	0.01	0.02	0.07	4.5	43
London	15.7	0.40	13.8	0.00	0.00	0.01	0.00	0.02	0.01	0.07	7.6	53
Ilkeston	18.99	0.62	11.34	0.00	0.00	0.03	0.00	0.03	0.16	0.19	3.47	41.66

The maternal mortality rates for England and Wales are as follows :— per 1,000 Total Births (live and still) **3.24** Puerperal Sepsis. Others. **1.22**

Below is given a table which analyses the causes of the 344 deaths,
and the ages at which they occurred :—

Causes of Death	Sex	All Ages	0-1	1-2	2-5	5-15	15-25	25-45	45-65	65-75	75 up
All Causes	M.	187	11	—	3	—	7	17	53	57	39
	F.	157	13	1	2	4	4	13	36	35	49
1. Typhoid & paratyphoid fevers	M.	—	—	—	—	—	—	—	—	—	—
	F.	—	—	—	—	—	—	—	—	—	—
2. Cerebro-spinal fever	M.	—	—	—	—	—	—	—	—	—	—
	F.	1	1	—	—	—	—	—	—	—	—
3. Scarlet fever	M.	—	—	—	—	—	—	—	—	—	—
	F.	—	—	—	—	—	—	—	—	—	—
4. Whooping cough	M.	1	1	—	—	—	—	—	—	—	—
	F.	—	—	—	—	—	—	—	—	—	—
5. Diphtheria	M.	1	—	—	1	—	—	—	—	—	—
	F.	4	—	—	—	4	—	—	—	—	—
6. Tuberculosis of respiratory system	M.	10	—	—	—	—	—	6	4	—	—
	F.	5	—	—	—	—	2	2	1	—	—
7. Other forms of Tuberculosis	M.	2	—	—	—	—	—	1	1	—	—
	F.	1	—	—	1	—	—	—	—	—	—
8. Syphilitic diseases	M.	1	—	—	—	—	—	—	1	—	—
	F.	—	—	—	—	—	—	—	—	—	—
9. Influenza	M.	3	—	—	—	—	1	—	—	1	1
	F.	3	—	—	—	—	—	—	2	1	—
10. Measles	M.	1	1	—	—	—	—	—	—	—	—
	F.	—	—	—	—	—	—	—	—	—	—
11. Acute polio-myelitis and polio-encephalitis	M.	—	—	—	—	—	—	—	—	—	—
	F.	—	—	—	—	—	—	—	—	—	—
12. Acute infective encephalitis	M.	—	—	—	—	—	—	—	—	—	—
	F.	—	—	—	—	—	—	—	—	—	—
13. Cancer of buc. cavity & oesophagus, Cancer of uterus	M.	—	—	—	—	—	—	—	—	—	—
	F.	7	—	—	—	—	—	1	4	2	—
14. Cancer of stomach and duodenum	M.	8	—	—	—	—	—	—	6	2	—
	F.	2	—	—	—	—	—	—	2	—	—
15. Cancer of breast	M.	—	—	—	—	—	—	—	—	—	—
	F.	6	—	—	—	—	—	1	5	—	—
16. Cancer of all other sites	M.	15	—	—	—	—	1	1	6	5	2
	F.	12	—	—	—	—	—	—	8	3	1
17. Diabetes	M.	—	—	—	—	—	—	—	—	—	—
	F.	2	—	—	—	—	—	—	—	1	1
18. Intra-cranial vascular lesions	M.	23	—	—	—	—	1	1	5	11	5
	F.	23	—	—	—	—	—	—	2	7	14
19. Heart disease	M.	36	—	—	—	—	—	—	6	19	11
	F.	41	—	—	—	—	—	3	7	14	17
20. Other diseases of circu- latory system	M.	3	—	—	—	—	—	—	2	—	1
	F.	3	—	—	—	—	—	—	—	—	3
21. Bronchitis	M.	25	—	—	—	—	2	—	7	10	6
	F.	8	—	—	—	—	—	1	1	2	4
22. Pneumonia	M.	7	—	—	2	—	—	2	2	1	—
	F.	4	2	—	—	—	—	—	—	—	2
23. Other respiratory diseases	M.	4	—	—	—	—	—	2	—	1	1
	F.	2	—	—	—	—	1	1	—	—	—
24. Ulcer of stomach or duodenum	M.	6	—	—	—	—	—	1	5	—	—
	F.	2	—	—	—	—	—	—	—	2	—

(Continued over)

(Table continued)

Causes of Death	Sex	All Ages	0-1	1-2	2-5	5-15	15-25	25-45	45-65	65-75	75 up
25. Diarrhoea under 2 yrs. . .	M.	1	1	-	-	-	-	-	-	-	-
	F.	1	1	-	-	-	-	-	-	-	-
26. Appendicitis	M.	-	-	-	-	-	-	-	-	-	-
	F.	1	-	-	-	-	-	1	-	-	-
27. Other digestive diseases . .	M.	2	-	-	-	-	-	1	-	1	-
	F.	2	-	-	-	-	-	1	-	-	1
28. Nephritis	M.	7	-	-	-	-	-	-	3	2	2
	F.	2	-	-	-	-	-	1	-	-	1
29. Puerperal & post abortion sepsis	M.	-	-	-	-	-	-	-	-	-	-
	F.	-	-	-	-	-	-	-	-	-	-
30. Other maternal causes . .	M.	-	-	-	-	-	-	-	-	-	-
	F.	-	-	-	-	-	-	-	-	-	-
31. Premature birth	M.	4	4	-	-	-	-	-	-	-	-
	F.	4	4	-	-	-	-	-	-	-	-
32. Cong. malformation, birth injuries & inf. diseases . .	M.	2	2	-	-	-	-	-	-	-	-
	F.	5	5	-	-	-	-	-	-	-	-
33. Suicide	M.	-	-	-	-	-	-	-	-	-	-
	F.	4	-	-	-	-	1	1	1	-	1
34. Road traffic accidents . .	M.	-	-	-	-	-	-	-	-	-	-
	F.	-	-	-	-	-	-	-	-	-	-
35. Other violent causes . .	M.	3	-	-	-	-	2	-	-	1	-
	F.	3	-	1	-	-	-	-	-	2	-
36. All other causes	M.	22	2	-	-	-	-	2	5	3	10
	F.	9	-	-	1	-	-	2	1	1	4

VITAL STATISTICS

Comparative tables showing the more important rates are appended.

Birth Rates and Death Rates

Year	Birth Rate	Death Rate	Year	Birth Rate	Death Rate	Year	Birth Rate	Death Rate	Year	Birth Rate	Death Rate
1911	32.6	15.4	1921	27.2	11.6	1931	18.01	11.68	1941	15.49	11.93
1912	29.4	11.7	1922	23.3	9.6	1932	16.33	10.7	1942	18.51	11.35
1913	29.0	13.9	1923	21.9	10.4	1933	15.68	12.3	1943	21.17	13.61
1914	27.0	15.2	1924	21.6	10.9	1934	15.5	10.65	1944	20.19	10.57
1915	29.7	14.9	1925	21.3	12.2	1935	16.45	11.58	1945	18.99	11.34
1916	25.9	12.3	1926	20.7	10.4	1936	16.27	11.39			
1917	23.7	11.9	1927	18.1	11.1	1937	17.2	11.69			
1918	21.6	16.5	1928	18.61	10.15	1938	15.48	10.05			
1919	22.6	12.4	1929	17.59	12.48	1939	15.5	10.63			
1920	28.5	11.7	1930	20.28	10.23	1940	15.85	12.18			

Maternal Mortality Rates

Maternal Mortality		Maternal Mortality		Maternal Mortality	
Year.	Rate.	Year.	Rate.	Year.	Rate.
1921	3.3	1931	3.3	1941	4.07
1922	6.5	1932	3.5	1942	1.79
1923	2.7	1933	1.8	1943	1.56
1924	6.9	1934	5.6	1944	1.58
1925	2.7	1935	1.7	1945	Nil
1926	7.0	1936	3.5		
1927	5.0	1937	1.73		
1928	8.1	1938	1.9		
1929	1.7	1939	Nil		
1930	5.9	1940	Nil		

• **Infantile Mortality Rates**

Year	I.M. Rate	Year	I.M. Rate	Year	I.M. Rate	Year	I.M. Rate	Year	I.M. Rate
1901	181.8	1911	151.8	1921	92.5	1931	68.5	1941	70.4
1902	176.4	1912	106.8	1922	83.8	1932	74.9	1942	63.8
1903	198.1	1913	152.9	1923	91.2	1933	78.2	1943	61.09
1904	183.5	1914	149.4	1924	75.5	1934	55.1	1944	63.83
1905	158.1	1915	142.5	1925	110.9	1935	62.8	1945	41.6
1906	177.3	1916	102.2	1926	83.4	1936	50.9		
1907	156.9	1917	129.6	1927	87.2	1937	66.3		
1908	147.1	1918	94.6	1928	60.2	1938	34.1		
1909	191.2	1919	129.9	1929	78.6	1939	48.38		
1910	132.8	1920	99.0	1930	62.3	1940	98.1		

Deaths from Violence.

Suicide. Four females committed suicide, two by inhaling coal gas, one by drowning and one by falling from a height.

Other deaths from Violence. There was a total of six deaths. Industrial accidents accounted for the death of three males. Accidental falls at home resulted in the death of two elderly females and one female child accidentally drank a poisonous fluid.

SECTION II

GENERAL PROVISION OF HEALTH SERVICES

Hospitals provided by the Local Authority.

(1) The Borough Isolation Hospital.

This hospital had a busy year and dealt with forty-eight cases. There were eleven cases of diphtheria of which several were of a severe character. There were also thirty-seven cases of scarlet fever. This small hospital has done exceedingly good work in spite of difficulties regarding staff shortage.

(2) The Municipal Maternity Hospital.

During the year 138 patients were admitted. Owing to the limited accommodation sixty-eight applications for booking had to be refused.

There is no specific provision for small-pox patients.

Hospitals provided by the County Councils.

- (3) Tuberculosis. The Derbyshire Sanatorium, Chesterfield.
- (4) Orthopaedic. Bretby Hall Orthopaedic Hospital.
- (5) Shardlow Institution.
- (6) Belper Institution.
- (7) Basford Institution.

Other Hospitals.

The Ilkeston General Hospital.
The Derbyshire Hospital for Women.
The Nottingham Hospital for Women.

This Authority has made arrangements for the treatment of complicated obstetric cases at the two latter hospitals.

The Nottingham General Hospital.
The Nottingham Children's Hospital.
The Nottingham Throat, Ear and Nose Hospital.
The Nottingham Eye Infirmary.
The Derbyshire Royal Infirmary.
The Derbyshire Hospital for Sick Children.

Clinics and Treatment Centres.

Particulars are given in tabular form.

Nursing in the Home is undertaken by the Ilkeston and the Cotmanhay Nursing Associations.

Ambulance Facilities.

- (a) **For Infectious Cases.** The Borough Fever Ambulance.
- (b) **For Accident Cases.** (i) An ambulance owned by the Derbyshire Branch of the British Red Cross Society is maintained and serviced by the Borough Council; (ii) An ambulance purchased by the Local Authority in November, 1945.

Midwives.

The County Council appoint midwives under the county scheme and also supervise those in private practice.

Laboratory Facilities.

Use is made of the bacteriological and chemical laboratories belonging to the County at Derby. Arrangements have also been made for the regular analysis of water samples by the public analyst at Nottingham.

Legislation in Force.

There has been no change.

CLINICS AND TREATMENTS CENTRES

	Situation.	Medical Officer in Attendance.	When held.	Accommodation.	Provided by.
Maternity and Child Welfare Centres	(1) Albert Street	M.O.H.	Tuesdays, 2—4 p.m.	3 rooms	Ilkeston Corporation.
	(2) Wesley Street	Dr. F. B. Sudbury	Thursdays, 2—4 p.m.	3 rooms	do.
Ante-natal Clinic	Albert Street	Dr. Glen Bott	Monday, 2—5 p.m.	3 rooms	do.
School Clinic	Albert Street	M.O.H.	Daily, 10—12 M.O.H. attends Tues- days and Thursdays	3 rooms	do.
Orthopaedic Clinic	Albert Street	Orthopaedic Sur- geon attends mon- day on 4th Wed- nesday	Wednesdays, a.m. and p.m. Miss Garratt	2 rooms	do.
Tuberculosis Dispensary	Albert Street	Dr. Kingston	Wednesdays, a.m. and p.m.	3 rooms	Derbyshire C.C.
V.D. Treatment Centres	(1) Nottingham	—	—	—	Nottingham C.B.C.
	(2) Derbyshire Royal Infirmary, Derby	—	—	—	Derby C.C. and C.B.C. jointly

SECTION III SANITARY CIRCUMSTANCES OF THE AREA

Water.

The source remains the same as formerly, namely, the Meerbrook Sough and the two Boreholes at Whatstandwell as well as a connection with the mains owned by the Nottingham Corporation by means of a six inch main which is for use in case of emergency.

The quantity of water has been satisfactory and is fairly constant. There has been no further working of coal in the neighbourhood of the Marlpool storage reservoir and the amount of leakage has not appreciably increased but the reservoir will be endangered by future colliery workings. The piped water supply serves the entire population. The number of dwelling houses which are supplied only by means of stand pipes is eighty. It is estimated that the total number of dwelling houses is 8,696. Therefore the proportion of houses and the proportion of population which are supplied only by stand pipes is estimated to be 1% approximately.

The quality of the water is satisfactory. During the year eight chemical examinations were made and also eight bacteriological examinations. In each case the result showed the water to be satisfactory for public supply. The water has no plumbosolvent action.

Water Consumption—A table is given showing the consumption of water supplied by this authority during the year.

<i>Inside and Outside of Borough</i>				<i>Gallons</i>
Consumption for all purposes	..	..	..	486,479,000
Average Daily Consumption	..	..	..	1,332,846
Total Domestic Consumption	..	..	..	332,164,000
Total Trade	..	..	..	154,315,000
Consumption per head per day :—				
Domestic	..	..	..	27·58
Trade	..	..	..	12·81
Total ..				<u>40·39</u>
Estimated population (inside and outside Borough) ..				33,000
<i>Inside Borough</i>				
Total Consumption for Domestic	..	..	..	331,914,000
Total Consumption for Trade	..	..	..	96,359,000
Consumption per head per day :—				
Domestic	..	..	..	27·58
Trade	..	..	..	8·0
Total ..				<u>35·58</u>
<i>Estimated Consumption Outside Borough</i>				
Domestic	..	..	..	250,000
Trade (measured)	..	..	..	57,956,000

Water Mains.

Additional water mains were laid as follows :—Cotmanhay Housing Scheme, 5,550 yards ; Erewash Square Housing Scheme, 490 yards ; Muskham Avenue Housing Scheme, 340 yards ; Norman Street Housing Scheme, 60 yards.

Sewers.

Combined sewers were laid on the Muskham Avenue and Norman Street temporary housing sites. Separate foul water and storm water sewers were laid on the Erewash Square temporary housing site. The Nottingham Road 18 inch storm water overflow sewer was extended from Brook Street to Roberts Street. Sewers at Kirk Hallam should be laid as soon as possible.

Disposal of Refuse.

Dry refuse has been collected by a contractor and disposed of by controlled tipping in such a manner as to improve land owned by the Authority.

Sanitary Inspection of the Area.

An account of the year's work is to be found in the Tables at the end of this report. A great deal of work of a varied nature was performed especially as regards the inspection of sanitary defects and the issue of notices for their remedy. Mr. J. L. Willoughby returned from active service in January and was the only qualified assistant to the Senior Sanitary Inspector during a period of eight months.

SECTION IV**HOUSING, 1945****HOUSING STATISTICS**

Number of new houses erected during the year	.. ..	<i>Nil</i>
Number of houses owned by the Local Authority at the end of the year :—Council Houses	.. ..	899
Others	.. ..	23
		<hr/>
Total	..	922
		<hr/>

HOUSE INSPECTION

Number of dwellings inspected for housing defects under Public Health or Housing Acts	.. ..	36
Number of dwelling houses rendered fit in consequence of informal action	.. ..	26
Action under Statutory Powers under the Public Health or Housing Acts	.. ..	<i>Nil</i>

POST-WAR HOUSING

Satisfactory progress was made on the construction of roads, sewers and the laying of gas and water mains on the Cotmanhay Estate and the temporary housing sites at Ebenezer Street, Greenwood Avenue and Norman Street.

Tenders for the erection of 122 permanent houses, comprising 156 dwellings, on the Cotmanhay Estate were invited and a tender was accepted.

SECTION V

INSPECTION AND SUPERVISION OF FOOD

Milk.

The number of cow keepers registered with the Authority was twelve and their cowsheds were inspected during the year. The number of retail purveyors of milk was fifty-six. Four licences for designated milk were issued. One dealer was licensed to sell Tuberculin Tested Milk and three establishments were licensed for the production of Pasteurised Milk within the area.

Thirty-four samples of milk were submitted for bacteriological tests. In five cases the bacterial count was high and the methods of the dairymen were investigated and necessary advice given. The various varieties of pasteurised milk were frequently examined by the phosphatase test.

Meat and other Foods.

Nearly all the fresh meat for this area was brought in from the public abattoir in Derby to the central depot of the Ilkeston Butchers' Buying Committee and was distributed to the various butchers. Home fed pigs, however, were slaughtered within the area. The number of pigs slaughtered locally was seventy-three and of these the carcasses of sixty were inspected.

A large number of other food was inspected and the amount of unsound food surrendered during the year is given below.

Fresh Fish	91 lbs.
Shell Fish	105 lbs.
Prepared Meat Foods	41½ lbs.
Dried Fruit	161 lbs.
Vegetables	10 tons.
Tea	29¾ lbs.
Canned Meat	211 lbs.
Canned Fish	226¾ lbs.
Canned Milk	217 lbs.
Canned Meat and Vegetables	8 lbs.
Canned Vegetables and Soup	265½ lbs.
Canned Fruit and Preserves	42½ lbs.
Miscellaneous	237¾ lbs.
Total	10 tons 14 cwt. 68½ lbs.

SECTION VI

INFECTIOUS AND OTHER DISEASES

General.

The total number of cases of infectious diseases notified was 890. Measles, of which 366 cases were notified, reached epidemic proportions. There was also an increased amount of Scarlet Fever, namely 227 cases. The incidence of Chickenpox and Whooping Cough was about normal. The number of cases of Diphtheria notified was fifty and this is somewhat disappointing seeing that so much work has been done with regard to immunisation. Out of the fifty cases five children died, four of whom had not been immunised.

A table is appended giving details of infectious diseases other than tuberculosis, which is dealt with in the next section.

Disease	No. Notified	No. Removed to Hospital	Total Deaths
Pneumonia (all forms) ..	25	3	11
Scarlet Fever	227	36	—
Diphtheria	50	33	5
Erysipelas	4	—	—
Chicken-Pox	168	—	—
Puerperal Pyrexia	2	2	—
Cerebro Spinal Fever ..	3	3	1
Whooping Cough	43	—	1
Measles	366	—	1
Ophthalmia Neonatorum ..	1	—	—
Dysentery	1	—	—

Ophthalmia Neonatorum.

One case was notified. It was treated at home and the vision was not impaired.

Influenza.

Caused six deaths.

Cancer.

There were fifty deaths from malignant disease. A classification according to age and sex is given in the table of the causes of death on a previous page.

**SEX AND AGE DISTRIBUTION OF CASES OF
NOTIFIABLE DISEASES DURING 1945**

Age Group.	Sex.	Pneumonia all forms.	Chicken Pox.	Scarlet Fever.	Diphtheria.	Erysipelas.	Whooping Cough.	Measles.	Puerperal Pyrexia.	Cerebro Spinal Meningitis	Dysentery	Ophthalmia Neonatorum
0—1	M.	1	1	1	—	—	3	8	—	—	—	1
	F.	—	1	—	—	—	1	9	—	1	—	—
1—2	M.	—	3	1	—	—	4	20	—	—	—	—
	F.	—	4	2	—	—	1	21	—	—	—	—
2—3	M.	—	1	5	1	—	3	32	—	—	—	—
	F.	—	4	4	—	—	3	20	—	1	—	—
3—4	M.	—	9	5	3	—	1	14	—	—	—	—
	F.	1	2	6	1	—	6	27	—	—	—	—
4—5	M.	1	11	3	—	—	—	28	—	—	—	—
	F.	—	4	13	—	—	7	25	—	—	—	—
5—10	M.	2	55	37	14	—	9	62	—	—	—	—
	F.	2	53	70	13	—	5	94	—	—	1	—
10—15	M.	2	4	26	3	—	—	—	—	—	—	—
	F.	—	8	30	12	—	—	4	—	—	—	—
15—20	M.	1	4	4	1	—	—	—	—	—	—	—
	F.	1	3	12	1	—	—	1	—	—	—	—
20—35	M.	1	—	1	—	—	—	—	—	—	—	—
	F.	2	1	5	1	1	—	1	2	2	—	—
35—45	M.	1	—	1	—	—	—	—	—	—	—	—
	F.	1	—	1	—	—	—	—	—	—	—	—
45—65	M.	2	—	—	—	—	—	—	—	—	—	—
	F.	4	—	—	—	1	—	—	—	—	—	—
65 up- wards	M.	1	—	—	—	2	—	—	—	—	—	—
	F.	2	—	—	—	—	—	—	—	—	—	—
Total all ages	M.	12	88	84	22	2	20	164	—	—	—	1
	F.	13	80	143	28	2	23	202	2	3	1	—
Grand Total		25	168	227	50	4	43	366	2	3	1	1

Immunisation against Diphtheria.

During 1945 immunisation clinics have been held once a month at the Albert Street Clinic.

The majority of the children attending were under school age, the school children having had ample opportunity to be immunised in previous years. A birthday card and consent form was sent out to every child on attaining the age of 1 year. The attendance of those consenting was arranged by appointment.

The total attendance of children was 896 and the average attendance at each clinic was 81.4. During the year the number of children from 0-5 years immunised was 409 and from 5-15 years fifty-nine.

Position at 31st December, 1945

<i>Ages</i>	<i>No. of Persons immunised since July, 1941</i>			
0 to 5 years	1,168
5 to 15 years	3,834
Over 15 years	1,178
				<hr/>
			Total	6,180
				<hr/>

Percentage of child population aged 0 to 5 years immunised ; 46%

Percentage of child population aged 5 to 15 years immunised ; 79%

SECTION VII TUBERCULOSIS

New Cases.

The number of new cases of respiratory tuberculosis were fourteen males and eleven females, showing a increase of eleven on the previous year. As regards the non-respiratory form the new cases were four males and two females, showing a decrease of six on the previous year.

Deaths.

There were eighteen deaths which is an increase of four on the previous year. The respiratory form accounted for fifteen and the non-respiratory form accounted for three. All deaths except three had been notified as being cases of tuberculosis.

Particulars of new cases of tuberculosis and deaths from this cause are given in the following table.

Age Periods.	New Cases.				Deaths.			
	Respiratory.		Non-respiratory.		Respiratory.		Non-respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.
0	—	—	—	—	—	—	—	—
1	—	2	1	1	—	—	—	1
5	—	—	—	—	—	—	—	—
10	—	—	1	—	—	—	—	—
15	2	3	—	—	—	—	—	—
20	2	2	—	—	—	2	—	—
25	5	2	1	—	3	1	1	—
35	—	—	—	1	3	1	—	—
45	3	1	—	—	3	—	—	—
55	2	1	1	—	1	1	1	—
65 and upwards	—	—	—	—	—	—	—	—
Total ..	14	11	4	2	10	5	2	1

Treatment.

Arrangements for treatment are carried out by the County Council.

Of the twenty-five new respiratory cases added to the Tuberculosis Register during the year thirteen patients were admitted to the Sanatorium and four to other Institutions. Of the six new non-respiratory cases added to the Register two were treated at Bretby and two at General Hospitals. Out of the thirty-one new cases four patients died within six months. At the end of 1945 there was a total of 195 persons on the Tuberculosis Register. Of these 138 were pulmonary cases and fifty-seven were non-pulmonary cases.

Comparative Table.

A table is appended showing the number of new cases of Tuberculosis for the last ten years.

New Cases of Tuberculosis.

Year.	Pulmonary		Total	Non-Pulmonary		Total	Grand Total
	M.	F.		M.	F.		
1936	12	24	36	3	3	6	42
1937	13	16	29	3	5	8	37
1938	13	13	26	2	8	10	36
1939	6	11	17	6	3	9	26
1940	10	9	19	4	2	6	25
1941	11	10	21	6	4	10	31
1942	12	7	19	3	2	5	24
1943	21	16	37	4	7	11	48
1944	7	7	14	5	7	12	26
1945	14	11	25	4	2	6	31

SECTION VIII

MATERNITY AND CHILD WELFARE

Ante-Natal Care.

One ante-natal session has been held every week on Mondays throughout the year. Each session is attended by the specialist medical officer, Dr. Margaret Glen Bott. The total attendances at the forty-eight sessions were 958, and the average number of patients at each session was 19.96 as compared with 28.4 in the preceding year. The number of individual patients who attended during the year was 428 as against 423 in the preceding year. Of these individuals 325 were new cases, compared with 361 in the preceding year, showing a decrease of thirty-six patients. The number of expectant mothers who attended the ante-natal clinic represented 87.52 per cent of the total 489 live and still births which occurred in the Borough during the year. The number of cases who were sent into hospital on account of expected difficulty was fifty-nine, and a Caesarean operation was performed in respect of three cases. X-ray examinations were made as regards thirteen patients.

Municipal Maternity Home. During the year 138 cases were admitted. No maternal death occurred and there were no cases of puerperal pyrexia. The number of bookings refused was sixty-eight, which shows the urgent need for increased accommodation. The statistics for 1945 are given below.

1—Name of Institution: The Maternity Home, Ilkeston, Derbyshire	
2—Number of maternity beds in the Institution (exclusive of isolation and labour beds)	9
3—Number of maternity cases admitted during the year	138
4—Average duration of stay	14 days
5—Number of cases delivered by—	
(a) Midwives	115
(b) Doctors	21
6—Number of cases in which medical assistance was sought by midwife in emergency ..	43
7—Number of cases admitted after delivery ..	1
8—Number of cases notified as :—	
Puerperal Pyrexia	Nil
9— Number of cases of pemphigus neonatorum ..	Nil

10—(a)	Number of infants who have at any time received a supplementary or complimentary feed while in the Institution ..	10
(b)	Number of infants wholly breastfed on leaving the Institution	122
11—(a)	Number of cases notified as Ophthalmia Neonatorum	Nil
(b)	Result of treatment in each case	Nil
12—(a)	Number of maternal deaths	Nil
(b)	Cause of death in each case	Nil
13—(a)	Number of still-births	2
(b)	Cause in each case, and results of post-mortem examination (if obtainable) :—	
	(1) Macerated	
	(2) Macerated Twins	
14—(a)	Number of infant deaths within ten days of birth	2
(b)	Cause of death in each case and results of post-mortem examination (if obtainable)	
	(1) Prematurity	
	(2) Atelectasis	

Home Visiting. There are four health visitors who are also part-time school nurses. The accompanying table gives a summary of their work during the year.

Summary of Health Visitors' Reports for 1945

Births Notified (twins 4)	489
Males	247
Females	242
Still Births	11
Died within Three Days	5
Attended by Medical Practitioners	69
Attended by Midwives only	284
Admitted to Maternity Home	136
Number of first visits	561
Number of re-visits under 1 year	2,830
Number of re-visits over 1 year	4,324
Total number of visits paid	7,715
Children Weighed	474
Average weight lbs.	7.67
Breast fed at birth	413
Bottle fed at birth	51
Breast and Bottle	7
Spoon fed	—

Pre-natal Cases, first visits	154
Pre-natal Cases, total visits	156
Outside the Borough	2
Number of individual infants under 1 year visited	2,642
Number of individual children 1 to 5 years ..	4,284

Maternity Outfits. Complete maternity outfits are kept in the Health Department and can be loaned to necessitous cases.

Infant Welfare Centres. A Child Welfare Clinic is held every Tuesday afternoon at the Albert Street Clinic and every Thursday afternoon at the Cotmanhay Clinic.

The attendances at the clinics are shown in the following table.

ATTENDANCES AT INFANT WELFARE CENTRES

ALBERT STREET

Individual Cases	Total Attendances	Examinations by Doctor	Infants under One Year	Toddlers
532	2,116	218	1,591	525
COTMANHAY				
161	517	39	371	146

Still-Births.

All notified still-births are made the subject of enquiries. During the year ten still-births were investigated with the results given below. In no case was the cause associated with ante-partum haemorrhage.

Death in utero previous to labour	6
Malpresentation	1
Congenital deformity of foetus	2
Toxaemia	1
Total ..	10

Puerperal Pyrexia and Puerperal Fever.

Arrangements exist for the treatment of these cases in the Derbyshire Hospital for Women at Derby. There is also a consulting obstetrician whose opinion and assistance can be obtained in complicated cases. Two cases of puerperal pyrexia were notified and removed to hospital.

Maternal Deaths.

Enquiries are made into all maternal deaths. Arrangements exist by which difficult obstetric cases can be taken without delay into either the Derbyshire Hospital for Women or the Nottingham Hospital for Women. No death from puerperal causes was registered during the year. The maternal mortality rate per 1,000 total births was Nil.

Infantile Deaths.

The deaths of infants under one year of age are enquired into by the health visitors, and their reports are examined by the medical officer in conjunction with the child welfare record card of the infant. The number of infantile deaths during the year was twenty-four. The infantile mortality rate per 1,000 live-births was 41.6. The following table classifies the causes of infant deaths:—

Prematurity	..	..	..	..	..	8
Congenital defects	..	..	..	..	..	7
Pneumonia	..	..	..	..	..	2
Diarrhoea	..	..	..	..	..	2
Cerebro Spinal fever	..	..	..	..	..	1
Whooping Cough..	..	..	..	..	..	1
Measles	..	..	..	..	..	1
Other causes	..	..	..	..	..	2
Total ..						24

Child Life Protection.

Under the terms of the Public Health Act, 1936, Section 209, the health visitors perform the duties of child protection visitors in their several districts and visit any foster children and the premises in which they are kept. Under Section 206 of the same Act, notices concerning the receiving of children for reward have to be made to the medical officer of health.

Adoption of Children (Regulation) Act, 1939.

This Act came into force on the 1st June, 1943. Under Section 7(3) four persons gave notice of adoption and four children adopted under the Section came under supervision during the year. It has been the practice of this health department to give reports to registered adoption societies upon would-be adopters and their premises and to give an opinion as to their suitability.

Institutional Provision.

There are no changes in the arrangements for institutional provision in the cases of unmarried mothers, illegitimate infants and homeless children.

Orthopaedic Treatment.

The same arrangements as formerly have continued. One child under school age suffering from club-foot was admitted to Bretby Hospital.

At the orthopaedic clinic forty-one children under school age attended. Of these, ten had rickets, six had congenital deformities and twenty-five attended for various other defects. It was noticed that mothers were keen to notice slight departures from normal in their young children and were eager to obtain advice.

Premature Infants.

Out of a total of 576 live-births which were notified during the year the number of infants who weighed $5\frac{1}{2}$ lbs. or less at birth (*i.e.* defined as premature) were twenty-six. Prematurity was given as the cause of death in the case of eight infants.

Frequently the maternity hospitals have retained the premature babies until they are fit to go home. Those born at home receive special attention and advice as regards nutrition from the health visitors. The provision of more in-patient accommodation in this area for babies would be very welcome.

Illegitimate Children.

Out of a total of 595 live and still-births there were forty-one illegitimate births. This is a rate of 6.8%. On the whole these babies are well looked after. A register is kept of these children and the health visitors are notified of the fact so that the progress of the children can be observed. In addition close co-operation exists between this department and the trained worker of the local voluntary moral welfare association which is supported by an annual subscription. This worker has done much to help the mothers of illegitimate children to obtain adopters or foster-parents for their babies. If an infant is adopted in this area the usual supervision is given. It is always possible for an illegitimate child to attend one of the day nurseries if the mother has to go out to work.

Dental Treatment.

During the year ninety children of under school age received dental treatment at the Dental Clinic.

DAY NURSERIES

Station Road Day Nursery.

The thirty-five places in this Nursery have been fully occupied during the year and there has been a waiting list. The staff of the Nursery has been kept at full strength and exceedingly good work has been done. The Matron, Mrs. A. Goodwin, resigned on the 1st November, and Miss P. Wildgoose was appointed in her place. The work done by the Nursery is shown in the following table:—

No. of individual children who attended the Nursery ..	62
Average daily attendance of children, Monday to Friday	25
Highest attendance on any one day	36
Average number of children on the register	34
No. of individual mothers whose children attended the Nursery during the year	53
Average number of mothers whose children were on the register	30

Whitworth Road Day Nursery.

This Nursery of fifty places which was opened in June, 1944, did a full year's work. The prevalence of epidemic diseases in the Borough somewhat handicapped the average attendance. The pleasant surroundings of this Nursery make it very popular. A full staff was maintained. The following table shows the work of the year :—

No. of individual children who attended the Nursery ..	83
Average daily attendance of children, Monday to Friday	26
Highest attendance on any one day	43
Average number of children on the register	34
No. of individual mothers whose children attended the Nursery during the year	53
Average number of mothers whose children were on the register	30

The work at both the above Nurseries is kept very much alive because of the fact that they are both training establishments to enable student-nurses to obtain the Nursery Nurses' Diploma. The training takes the form of lectures, tutorials, test papers, and practical instruction. During the year five nurses obtained the Nursery Nurses' Diploma.

SANITARY INSPECTION OF THE DISTRICT

Details of Visits and Inspections made by the Sanitary Inspectors during the year.

Inspection of Premises	25
Re-inspections	172
Visits re complaints	240
Canal Boats inspected	1
Cinemas and Theatres	18
Cowsheds	17
Drainage inspections	45
Water, Smoke or Colour tests to drains	5
Factories, Workshops and Workplaces	21
Petrol Storage Premises	11
Dustbins inspected	709
Water Closets inspected	508
Ashpits inspected	30
Infectious Diseases investigations	271
Cases removed to Hospital	66
Bedding Disinfected (Infectious Disease)	289
Rooms Disinfected (Infectious Disease)	357
Other Bedding Disinfected	74
Vacant Council Houses inspected	8
Council House Removal Visits	6
Beds from Removals Disinfected	18
Visits re Disinfestation	9
Rooms Disinfested	60
Shops Act visits	63
Refuse Tips	15
Visits re Rat complaints	14
Re-inspections re Rat complaints	11
Tents, Vans, Sheds, etc.	6
Air Samples taken	6
Smoke Observations	1
Offensive Trades inspected	3
Miscellaneous Visits	540
Houses inspected for Housing Defects (P.H. Acts)	36

Meat and other Food Inspections.

Slaughtering Visits	35
Butchers' Shops, Stalls and Vehicles	35
Bakehouses	10
Other Food Preparing Premises	74
Dairies and Milkshops	72
Milk Samples taken for Bacteria	34
Milk Samples taken for Analysis	34

Notices Served.

Number of Informal Notices served (Public Health Acts)	109
Number of Informal Notices served (Housing Acts)	—
Number of Statutory Notices served (Public Health Acts) (Sec. 24)	2
Number of Statutory Notices served (Public Health Acts) (Sec. 75)	229
Number of Statutory Notices served (Sec. 157, Housing Act, 1936)	—

Details of Improvements made and Defects remedied during the year under the Public Health Acts and Housing Acts.

Exterior of Houses.

Sub-floor ventilation provided	1
Roofs repaired	2
Eavesgutters and downspouts repaired or provided	15
External walls repaired	5
Dampness remedied	8

Drainage.

Inspection chambers repaired or inspection covers provided ..	1
Drains opened and cleansed	12
Drains repaired or relaid	5
Drains tested by water, smoke or colour fluid	5
New drains inspected	5
Yards repaired or repaved	3
Choked sewers opened and cleansed	1

Interior of Houses.

Ventilation to Food Store	1
Floors relaid or repaired	6
Windows repaired or provided with sashcords	9
Walls repaired	3
Ceilings repaired	3
Doors or Frames repaired	2
Fireplaces, Ovens, or sideboilers repaired	4
Staircase repaired	1
Handrails provided	1
Washing Coppers provided or repaired	4
Small defects remedied	12
Defective Sinks renewed	2
Defective Sink Waste Pipes repaired	4
Filthy and Verminous Premises	1

Water Supply.

Burst water pipes repaired	37
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W.C.s, Urinals, etc.

Waterclosets, new basins or seats fixed	22
Defective fittings or water service pipes repaired	16
Choked W.C.s remedied	3
Defective W.C. compartments repaired	1

Ashpits and Dustbins.

New Dustbins provided	40
-------------------------------	----

INSPECTION AND SUPERVISION OF FOOD**Cowsheds.**

Cowkeepers registered	12
Cowsheds	24
Inspections	17

Dairies and Purveyors of Milk.

Number of producers of milk	12
Number of retail purveyors	56
Number of Inspections	72

Milk (Special Designations) Order 1936 and 1938.

Licences granted during the year	4
Dealers licenced to sell Tuberculin Tested Milk	1
Pasteurising Establishments	3

Milk Samples.

Number of samples taken for Bacteriological Examination ..	34
Number of samples satisfactory	26
Number of samples unsatisfactory (Phosphatase Test) ..	3
Number of samples unsatisfactory (High Bacterial Count) ..	5

Prosecutions.

There were no prosecutions during the year.

Public Health (Meat) Regulations, 1924.

There has been no slaughtering under these Regulations during the year.

The Ministry of Food granted licences for the slaughter of seventy-three pigs for private consumption. Sixty were inspected.

Offensive Trades.

Number on Register (Tripe Boiler)	1
Number of Notices served	Nil

Bakehouses.

Number on Register	18
Number of Notices served	Nil

Unsound Food surrendered during 1945.

41½ lbs.	Pork Sausage	14	tins	Jam
100 lbs.	Mussels	8	tins	Marmalade
91 lbs.	Herrings	1	tin	Lemon Curd
171	Imported Eggs	1	tin	Golden Syrup
36	Home Produced Eggs	58	tins	Tomatoes
28 lbs.	Tea	1	tin	Beetroot
8 lbs.	Sugar	4	tins	Carrots
25 lbs.	Dried Prunes	7	tins	Mackerel
7½ lbs.	Semolina	22	tins	Herrings
10 tons	Potatoes	3	tins	Shrimps
56 lbs.	Raisins	4	tins	Meat and Vegetables
80 lbs.	Dates	3	tins	Pork and Beans
2½ lbs.	Biscuits	1	tin	Mixed Vegetables
70 tins	Pork Luncheon Meat	8	tins	Stewed Steak
9 tins	Pork Sausage Meat	466	Jars	Meat and Fish Paste
2 tins	Corned Beef	33	Jars	Jam
19 tins	Peas	6	Jars	Pickles
42 tins	Beans	1	Jar	Cockles
75 tins	Salmon	1	Jar	Mussels
117 tins	Pilchards	1	Jar	Meat Paste
52 tins	Sardines	1	pkt.	Suet
146 tins	Soup	1	bottle	Sauce
4 tins	Powdered Milk	40	pkts.	Biscuits
169 tins	Condensed Milk	7	pkts.	Tea
90 tins	Evaporated Milk	42	bars	Chocolate

SUMMARY

Fresh Fish	91 lbs.
Shell Fish	105 lbs.
Prepared Meat Foods	41½ lbs.
Dried Fruit	161 lbs.
Vegetables	10 tons
Tea	29½ lbs.
Canned Meat	211 lbs.
Canned Fish	226½ lbs.
Canned Milk	217 lbs.
Canned Meat and Vegetables	8 lbs.
Canned Vegetable and Soup	265½ lbs.
Canned Fruit and preserves	42½ lbs.
Miscellaneous	237½ lbs.

10 tons 14 cwt. 68½ lbs.

Sanitary Supervision of Music Halls, Theatres, etc.

Cinemas. The Scala Cinema, Kings Picture House, New Theatre and Ritz Cinema have been inspected during the year, both during the performances and at times when the premises were not open to the Public. Some small defects found at the Ritz Cinema have now been remedied. The other three Cinemas were satisfactory when visited. The records required to be kept under the Young Persons (Employment) Act, 1938, have been inspected and found to be satisfactory.

Premises with Music and Dancing Licences. There has been no cause for complaint at these premises during the year.

An Annual Report is submitted to the Health Committee and the Local Licensing Bench in accordance with circular 120 of the Ministry of Health, 1920.

Canal Boats (Public Health Act, 1936, Sections 249 to 258).

One boat was inspected during the year; this was an inspection after repairs had been completed. The boat was registered to carry two Adults and two children and when inspected there were two men on board. No complaint notes were issued during the year. No boats were registered or removed from the register during the year.

Common Lodging Houses.

There are no common lodging houses in the Borough.

Factories Act, 1937.

Number of Inspections made to factories, workshops and workplaces	21
Number of Notices served	—

Petroleum Acts.

Number of Petroleum Spirit Storage Licences issued	49
Number of Carbide of Calcium Storage Licences issued	1
Number of inspections made	11

Rag Flock Acts.

No samples taken during the year.

Rats and Mice Destruction Act (Infestation Order, 1943).

Visits re Rat complaints	14
Re-inspections re Rat complaints	11

Rent and Mortgage Interest (Restrictions) Acts.

No certificates were issued during the year.

Shops Acts, 1912 to 1934.

Number of inspections made during the year	63
Prosecutions	—

C. E. ADCOCK, Cert. S.I.B., M.S.I.A.,
Senior Sanitary Inspector.



