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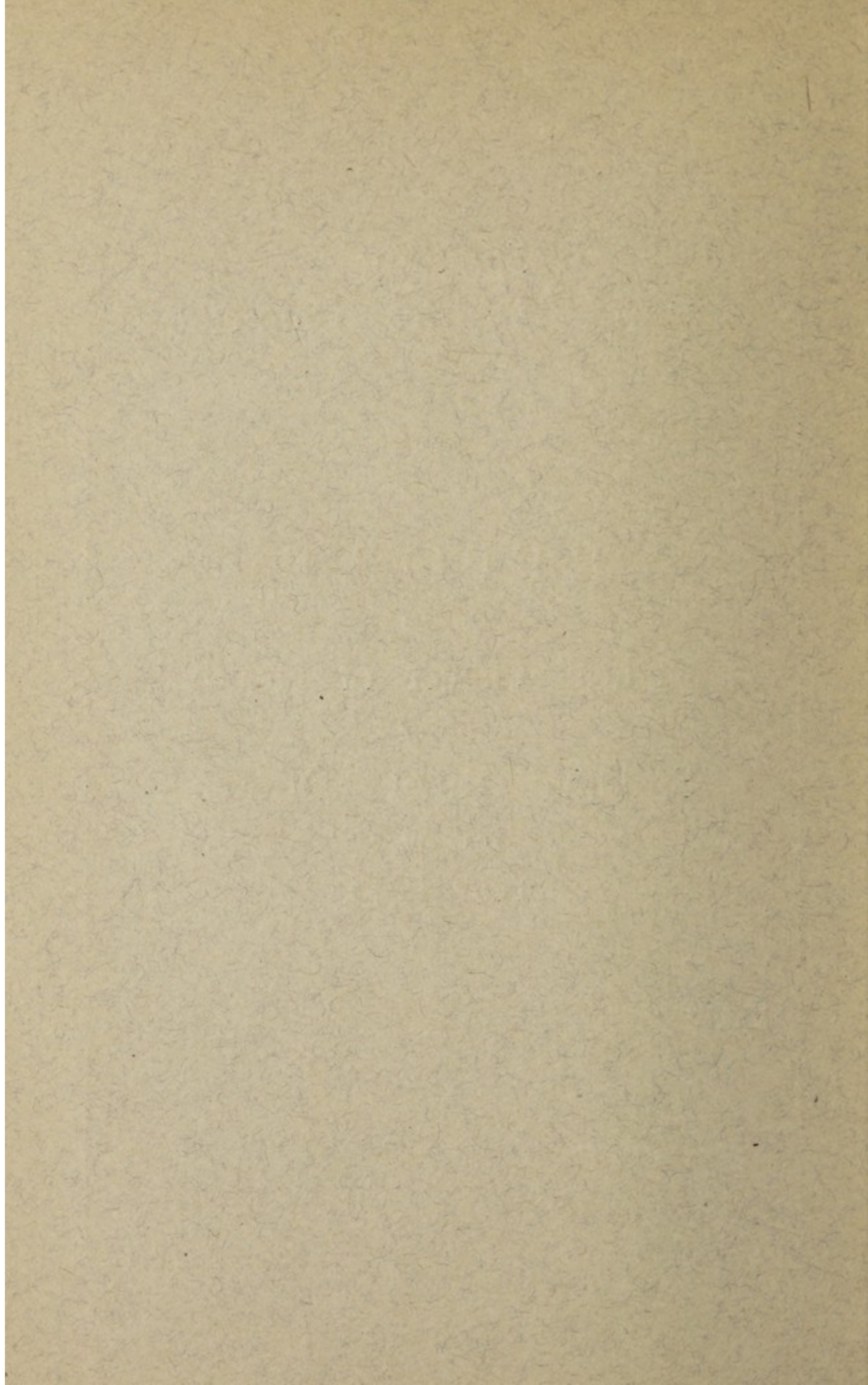
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Spalding
Rural District Council

R E P O R T
OF THE
Medical Officer of Health
TO THE
Spalding Rural District
FOR THE
Year 1945



SPALDING RURAL DISTRICT COUNCIL

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Mr. J. Waterfall.

Medical Officer of Health :

I. M. Cullum, M.D., B.S. (Lond), D.P.H., D.C.H.

Sanitary Inspector and Meat Inspector :

F. Luker, M.S.I.A., R.S.I. Insp. Meat & Other Foods.

Spalding Rural District Council,
Council Offices,
10, The Crescent,
Spalding.

Annual Report of the Medical Officer of Health for the Year 1945.

To the Chairman and Members of the
Spalding Rural District Council

Gentlemen,—

I present herewith my report for the year 1945. Conditions in the district have altered little during the year under review and generally speaking the health of the district has remained satisfactory.

I wish to express my thanks to the other officials and the members of the Council for their courtesy and assistance at all times.

I have the honour to be, Gentlemen,

Your Obedient Servant,

I. M. CULLUM.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

The area of the District is 87,758 acres.

The average population figure given by the Registrar General for the calculation of death rates is 18,030.

The number of inhabited houses according to the rate books is distributed as follows :

Cowbit	...	...	...	...	152
Moulton	...	...	...	...	708
Weston	...	...	...	...	336
Pinchbeck	...	...	...	...	984
Deeping St. Nicholas	...	...	...	...	444
Surfleet	...	...	...	...	301
Gosberton	...	...	...	...	631
Quadring	...	...	...	...	275
Donington	...	...	...	...	525
Crowland	...	...	...	...	805

The Rateable Value is £44,581 and the sum represented by a penny rate is £168 2s. 2d.

EXTRACTS FROM VITAL STATISTICS.

	M.		F.
Live Births (Legitimate) ...	166	...	151
(Illegitimate)	9	...	14
	—	...	—
Total Live Births	175	...	165
	—	...	—

The Birth Rate per 1,000 estimated population is 18.86

	M.		F.
Still Birth (Legitimate) ...	9	...	2
(Illegitimate)	1	...	—
	—	...	—
Total Still Births	10	...	2
	—	...	—

The rate of still births per 1,000 total (live and still) births is 34.09.

Deaths.—Total during 1945—163 (Males 81; Females 82).

The Death rate per 1,000 estimated population is 9.04.

The above figure has been corrected for transfers in and out of the district but has not been adjusted to make allowance for the age and sex composition of the population.

MATERNAL MORTALITY.

Deaths from Puerperal Causes.

Puerperal Sepsis	Nil.
Other Puerperal causes	Nil.

INFANTILE MORTALITY.

Deaths of infants under 1 year of age.

	M.		F.
Legitimate	4	...	2
Illegitimate	—	...	1
	—	...	—
Total	4	...	3
	—	...	—

Death rate of infants under 1 year of age.

All infants per 1,000 live births 20.59

Legitimate infants per 1,000 legitimate live births 18.92

Illegitimate infants per 1,000 illegitimate live births 43.48.

Deaths from Cancer (all ages)—23 (Males 12 ; Females 11).

Deaths from Measles (all ages)—2 (Males 1 ; Females 1)).

Deaths from Whooping Cough (all ages) Nil.

Deaths from Diarrhoea (under 2 years) Nil.

COMMENTS ON THE VITAL STATISTICS.

The vital statistics for the district have remained surprisingly constant having regard to the comparatively small numbers under consideration and the infantile mortality rates compare very favourably with those for the country as a whole.

CAUSES OF DEATH IN THE SPALDING RURAL DISTRICT DURING 1945.

Cause of Death										M.	F.	Total
All causes	...	...	...	...	...	...	...	...	...	81	82	163
1 Typhoid and Paratyphoid	...	...	...	...	...	...	...	...	...	—	—	—
2 Cerebro-Spinal Fever	...	...	...	...	...	...	...	...	...	—	—	—
3 Scarlet Fever	...	...	...	...	...	...	...	...	...	—	—	—
4 Whooping Cough	...	...	...	...	...	...	...	...	...	—	—	—
5 Diphtheria	...	...	...	...	...	...	...	...	...	—	—	—
6 Tuberculosis of Respiratory System	...	...	...	...	...	...	...	...	...	4	7	11
7 Others forms of Tuberculosis	...	...	...	...	...	...	...	...	...	—	2	2
8 Syphilitic Diseases	...	...	...	...	...	...	...	...	...	1	—	1
9 Influenza	...	...	...	...	...	...	...	...	...	—	—	—
10 Measles	...	...	...	...	...	...	...	...	...	1	1	2
11 Acute Polyomyelitis and Polio-encephalitis	...	...	...	...	...	...	...	...	...	—	—	—
12 Acute Infectious Encephalitis	...	...	...	...	...	...	...	...	...	—	—	—
13 Cancer of Buccal Cavity and Oesophagus (M)	...	...	...	...	...	...	...	...	...	1	—	1
uterus (F)	...	...	...	...	...	...	...	...	...	—	—	—
14 Cancer of stomach and duodenum	...	...	...	...	...	...	...	...	...	6	3	9
15 Cancer of Breast	...	...	...	...	...	...	...	...	...	—	2	2
16 Cancer of all other sites	...	...	...	...	...	...	...	...	...	5	6	11
17 Diabetes	...	...	...	...	...	...	...	...	...	—	1	1
18 Intra-cranial vascular lesions	...	...	...	...	...	...	...	...	...	10	11	21
19 Heart Disease	...	...	...	...	...	...	...	...	...	21	20	41
20 Other diseases of Circulatory System	...	...	...	...	...	...	...	...	...	2	3	5
21 Bronchitis	...	...	...	...	...	...	...	...	...	3	3	6
22 Pneumonia	...	...	...	...	...	...	...	...	...	1	2	3
23 Other Respiratory Diseases	...	...	...	...	...	...	...	...	...	2	4	6
24 Ulcer of Stomach or duodenum	...	...	...	...	...	...	...	...	...	1	—	1
25 Diarrhoea (under 2 years)	...	...	...	...	...	...	...	...	...	—	—	—
26 Appendicitis	...	...	...	...	...	...	...	...	...	1	—	1
27 Other Digestive Diseases	...	...	...	...	...	...	...	...	...	2	3	5
28 Nephritis	...	...	...	...	...	...	...	...	...	3	1	4
29 Puerperal and Post-abortion sepsis	...	...	...	...	...	...	...	...	...	—	—	—
30 Other Maternal causes	...	...	...	...	...	...	...	...	...	—	—	—
31 Premature Birth	...	...	...	...	...	...	...	...	...	—	1	1
32 Congenital Malformations etc.	...	...	...	...	...	...	...	...	...	—	1	1
33 Suicide	...	...	...	...	...	...	...	...	...	—	2	2
34 Road Traffic Accidents	...	...	...	...	...	...	...	...	...	1	—	1
35 Other violent causes	...	...	...	...	...	...	...	...	...	4	1	5
36 All other causes	...	...	...	...	...	...	...	...	...	12	8	20

HOUSING.

The housing condition of the district remains substantially unchanged, although much preliminary work has been undertaken in connection with plans for post-war housing.

The housing survey could not be undertaken during 1945 owing to shortage of staff.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply.

There has been no change in the source of water supply. Samples have been taken from the Council's bores and in each case the water has been found to be satisfactory.

The Council have carried out three extensions of their mains so as to provide a supply of water to outlying properties i.e.

Deeping High Bank, Deeping St. Nicholas.

Moulton Eaugate and Queen's Bank, Crowland.

Surfleet Marsh.

The first two extensions were carried out as one contract involving approximately 8 miles of 3-inch spun iron main and the third extension was for a distance of approximately 2 miles part in 3-inch and part 2-inch asbestos mains.

DRAINAGE, SEWERAGE AND REFUSE DISPOSAL.

There has been no change in the services provided during the year.

In November the Council ordered a Shelvoke and Drewry cesspool emptying machine. When in operation the machine will be used by the Sanitary Inspector to prevent nuisance arising from the drainage systems of the temporary houses and also to empty other cesspools giving rise to nuisance in the district.

The salvage lorry has continued to collect large quantities of refuse from the unscavenged areas giving further proof of the need for an organised refuse collection scheme in the district.

MILK AND DAIRIES.

Milk Sampling.

During the year 38 samples of pasteurised milk were submitted to the Public Health Laboratory, Lincoln, for routine testing. All these samples were from the two pasteurising establishments in the district and individual results were as follows :

Dairy A.

Out of 18 samples tested two failed to satisfy the prescribed tests. One of these was a sample of accommodation milk coming into the district from outside and the wholesale dairy was notified of the result of the test.

Dairy B.

Out of 20 samples tested five failed to satisfy the prescribed tests.

MEAT AND FOOD INSPECTION.

During the year all animals slaughtered for food at the Central Slaughterhouse have been given routine inspections and animals showing any evidence of disease have been subject to a detailed examination. During the year 2,548 cattle, 3,770 sheep, 765 pigs and 439 calves were slaughtered and inspected.

The total weight of meat and offals condemned as unfit for human food during the year was approximately 27 tons 7 cwts. and this was disposed of for other purposes under the Ministry of Food Waste Utilisation Scheme. Among the meat and offals condemned were :

Article Examined.	Disease or Condition Found.
109 Beasts Heads and Tongues	Tuberculosis.
35 Beasts Heads and Tongues	Actinomycosis.
1 Beasts Head	Purulent condition of eyes—animal blind.
279 Beasts Lungs	Tuberculosis.
1 Beasts Lungs	Actinomycosis.
31 Beasts Lungs	Pneumonia.
1 Beasts Lungs	Pleurisy.
2 Beasts Lungs	Septic Abscesses.
68 Beasts Livers	Tuberculosis.
1 Beasts Liver	Actinomycosis.
174 Beasts Livers	Distomatosis (Liver Flukes).
4 Beasts Livers	Bacterial Necrosis.
112 Beasts Livers	Septic Abscesses.
6 Beasts Livers	Echinococcus Cysts.
10 Beasts Livers	Cirrhosis.
4 Beasts Livers	Fatty Infiltration.
29 Beasts Livers	Cavernous Angioma.
268 Part Beasts Livers	Distomatosis (Liver Flukes).
1 Part Beasts Liver	Septic Abscesses.
16 Beasts Hearts	Tuberculosis.
7 Beasts Hearts	Tubercular Pericarditis.
3 Beasts Hearts	Pericarditis.
18 Beasts Spleens	Tuberculosis.
2 Beasts Kidneys	Septic Abscesses.
5 Beasts Kidneys	Dropsy.
19 Beasts Kidneys	Tuberculosis.
7 Beasts Kidneys	Nephritis.
35 Beasts Thick Skirts	Tuberculosis.
9 Beasts Thin Skirts and Trimmings	Tuberculosis.
2 Beasts Intestines & Stomachs	Tuberculosis.
1 Beasts Intestines	Johnes Disease.
21 Beasts Intestines & Mesentery	Tuberculosis.
3 Beasts Tripes	Tuberculosis.
2 Beasts Tripes	Peritonitis.
2 Beasts Tripes	Septic Abscesses.
1 Beasts Tripes	Cancer of Rumen.
3 Beasts Tripes	Putrefaction.
88 Cows Udders	Mastitis.
1 Cows Udder	Tuberculosis.
16 Cows Heels	Stale and putrefying.
20½ Cwts. Beef Trimmings	Bruised Flesh.
16 lbs. Beef Trimmings	Abcess of Preaural Gland.
68 lbs. Beef Trimmings	Abcess of Kidney.
15 lbs Beef Trimmings	Warbled Flesh.
13 lbs. Beef Trimmings	Putrefaction.
386 lbs. Corned Beef	Damaged and Blown Tins; Contents putrefying.

Article Examined.	Disease or Condition Found.
1 x 1 lb Can of Stewed Steak	Contents putrid.
11 Part Carcases of Beef (13½ cwt.)	Tuberculosis.
4 Part Carcases of Beef (10½ cwt.)	Dropsical and unwholesome.
1 Part Carcases of Beef (22 lbs.)	Affected by Abscess of Liver.
1 Part Carcases of Beef (86 lbs.)	Large Abscess in loin.
3 Part Carcases of Beef (8 cwt.)	Putrefaction; heated beef.
1 Part Carcases of Beef (20 lbs.) with Lungs, Heart, Liver Kidneys, Thick Skirt and Tripes	Purulent Abscess of Rumen. Actinomycosis.
1 Hindquarter of Beef	Actinomycosis.
2 Part Hindquarters Beef (2 cwt.)	Tuberculosis.
18 Forequarters of Beef	Large Abscess under shoulder.
1 Forequarter of Beef	Actinomycosis.
2 Part Forequarters Beef	Generalised Tuberculosis.
16 Carcases of Beef and Offals	Johnes Disease; pathological emaciation and dropsy.
4 Carcases of Beef and Offals	Chronic Emaciation and Dropsy.
3 Carcases of Beef and Offals	Septic Pericarditis.
2 Carcases of Beef and Offals	Acute Fever.
1 Carcase of Beef and Offals	Fever and Cancer.
1 Carcase of Beef and Offals	Septic Peritonitis; dropsical.
3 Carcases of Beef and Offals	Badly Bled, dropsical carcases; moribund animals.
6 Carcases of Beef and Offals	Fractured Pelvis; Tuberculous lungs; septic growths of Liver and Kidney; moribund animal.
1 Carcase of Beef and Offals	Septic condition of Heart and de- generation of heart wall.
1 Carcase of Beef and Offals	Septic Pneumonia; Generalised dropsy.
2 Carcases of Beef and Offals	Generalised Tuberculosis.
6 Cows Carcases and Offals ...	Tuberculosis with Emaciation.
3 Cow Carcases and Offals	Chronic Emaciation and dropsy.
2 Cow Carcases and Offals	Extensive and Severe Bruising.
1 Cow Carcase and Offals	Sapraemia; retained Placenta.
1 Cow Carcase and Offals	Immaturity.
1 Calf Carcase and Offals	Umbilical Pyaemia.
1 Calf Carcase and Offals	Acute Fever; Pericarditis and Pleurisy.
1 Calf Carcase and Offals	Badly Bled unwholesome Car- case; moribund animal.
3 Pigs Heads	Tuberculosis.
36 Pigs Lungs	Pneumonia.
1 Pigs Pluck	Echinococcus Crysts.
1 Pigs Pluck	Tuberculosis.
1 Pigs Heart and Lungs	Pericarditis.
6 Pigs Livers	Echinococcus Crysts.
1 Pigs Spleen and Leaf Fat	Peritonitis.
1 Pigs Kidney and Trimmings...	Hydro-nephrosis.
5 Pigs Kidneys	Echinococcus Crysts.
13 Pigs Kidneys	Nephritis.
1 Pigs Intestines	Inflammation.
2 Pigs Intestines	Stale and Putrefying.
190 lbs. Pork Trimmings	Bruised Flesh.
149 lbs. Pork Trimmings	Urticaria.
14 lbs. Pork Trimmings	Peritonitis.
43 lbs. Pigs Feet and Hocks	Enlarged Joints.

Article Examined.	Disease or Condition Found.
3 Part Pigs Carcasses	Dropsical due to fractures.
2 Legs of Pork (26 lbs.)	Broken Legs.
1 Part Leg of Pork (33 lbs.) ...	Fracture bone; flesh bruised.
1 Pigs Head, Lungs and part of Shoulder	Cancer of Throat and Oesophagus
1 Boar Pig and Offals	Septic Peritonitis and Pleurisy.
1 Sow Pig and Offals	Swine Erysipelas and Septic Peritonitis.
1 Sow Pig and Offals	Generalised Tuberculosis.
1 Sow Pig and Offals	Acute Fever.
1 Pig and Offals	Generalised Tuberculosis.
2 Pigs and Offals	Generalised Dropsy.
3 Pigs and Offals	Acute Fever.
1 Pig and Offals	Putrefaction.
4 Porker Pigs and Offals	Acute Swine Erysipelas.
3 Porker Pigs and Offals	Evidence of Swine Fever.
3 Porker Pigs and Offals	Animals died in transit.
3 Small Store Pigs & Offals	Swine Fever.
5 Small Store Pigs & Offals ...	Dropsical, unwholesome carcasses.
1 Small Store Pigs & Offals ...	Multiple Septic Abscesses.
3 Small Store Pigs & Offals	Rickets with Malnutrition.
1 Small Store Pig & Offals ...	Acute Swine Erysipelas.
1 Small Store Pig & Offals ...	Septic lesion at site of castration.
5 Sheeps Livers	Distomatosis (Liver Flukes).
3 Sheeps Livers	Echinococcus Crysts.
2 Sheeps Plucks	Congestion.
2 Sheeps Kidneys & Trimmings	Putrefaction.
1 Sheeps Stomach & Intestines	Large Abscess.
4 Sheeps Tripes	Stale and Putrefying.
157 Sheep Paunches	Stale and Putrefying.
17 lbs. Mutton Trimmings	Bruised Flesh.
4 lbs. Mutton Trimmings	Dropsical Flesh.
20 lbs. Mutton Trimmings	Enlarged Joints.
1 Part Sheeps Carcase (29 lbs.)	Abscess of Sternum.
2 Legs of Mutton (16 lbs.)	Broken Legs.
3 Sheep Carcasses and Offals ...	Emaciation and Dropsy.
1 Sheep Carcase and Offals ...	Multiple Tumours.
1 Sheep Carcase and Offals ... and extensive trimmings from	
5 other carcasses	Badly mauled by dogs.

Other foodstuffs condemned were :

Article Inspected	Disease or Condition Found
5 x 25lb. boxes California Seedless Raisins —	Affected with Mould
4 x 1 cwt. bags Sausage Meal	Affected with Green Mould

It is hoped that the present arrangements for central slaughtering will be continued and so enable a 100% inspection to be carried out. If the slaughtering is ever spread over the numerous private slaughterhouses in the district again, as it was prior to 1939, an efficient system of meat inspection will be impossible.

FOOD PREPARING PREMISES.

In view of labour shortage and other difficulties, conditions have been found reasonably satisfactory. As soon as the supply of building materials is adequate it is hoped to enforce the requirements of the Food and Drugs Act, 1938, appertaining to these premises.

PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

The number of cases of infectious diseases notified during the year shows a substantial increase due to the fact that 1945 has been a measles year.

Increasing difficulty was experienced towards the end of the year in obtaining hospital accommodation for infectious cases due to shortage of nursing staff at the Isolation Hospital, which resulted in closure of some of the beds there.

DIPHTHERIA IMMUNISATION

From the 1st January to the 31st. December, 1945, 236 children under 5 years of age and 13 children between 5 and 15 years of age were immunised.

At the 31st December, 1945, the estimated percentage of the child population immunised against Diphtheria was :—

Under 5 years of age 69%

Between 5 and 15 years of age 61%

These figures show an increase over those for 1944 for children under 5 years of age but a decrease for the older children.

Number of Cases of Infectious Disease.

Excluding cases of Tuberculosis, 314 cases of infectious disease were notified during the year.

The numbers are shown in the following table :—

Scarlet Fever	...	...	...	...	...	...	...	56
Diphtheria	...	...	...	...	...	...	...	1
Whooping Cough	...	...	...	...	...	...	...	38
Measles	...	...	...	...	...	...	...	204
Erysipelas	...	...	...	...	...	...	...	—
Pneumonia	...	...	...	...	...	...	...	10
Cerebro-Spinal Fever	...	...	...	...	...	...	...	—
Poliomyelitis	...	...	...	...	...	...	...	1
Encephalitis	...	...	...	...	...	...	...	—
Polio-Encephalitis	...	...	...	...	...	...	...	—
Dysentery	...	...	...	...	...	...	...	—
Ophthalmia Neonatorum	...	...	...	...	...	...	...	4
Puerperal Pyrexia	...	...	...	...	...	...	...	—
Enteric or Typhoid Fever	...	...	...	...	...	...	...	—
Total								314

Scabies.

The Joint scheme begun in 1943 was continued throughout the year, 119 persons from the Spalding Rural District being treated.

Analysis of Cases of Infectious Diseases under Age Groups.

	Scarlet Fever.	Diphtheria	Polio Myelitis	Pneumonia.	Ophthalmia Neonatorum.	Cerebro Spinal Fever.	Measles.	Whooping Cough.	Erysipelas.	Puerperal Pyrexia.
Under 1 year ...				1	4		10	2		
1 to 2 ...	1						20	5		
2 to 3 ...	4						18	5		
3 to 4 ...	2						17	7		
4 to 5 ...	4						30	3		
5 to 10 ...	33			1			98	15		
10 to 15 ...	4						8	1		
15 to 20 ...	3	1	1	1			1			
20 to 35 ...	4			3			2			
35 to 45 ...										
45 to 65 ...	1			2						
65 and over ...				2						
Totals ...	56	1	1	10	4		204	38		

APPENDIX A. TUBERCULOSIS.

Analysis of New Cases and Deaths from Tuberculosis.

Age Periods.	NEW CASES.				DEATHS.			
	Respira- tory.		Non-Respira- tory.		Respira- tory.		Non-Respira- tory.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 5 ...	...	...	..	..	..	..	..	...
5 to 10 ...	...	..	1	2	..	..	..	1
10 to 15 ...	...	...	..	..	..	..	..	...
15 to 20 ...	2	1	..	..	..	..	..	...
20 to 25 ...	3	2	..	1	..	..	..	...
25 to 35 ...	3	2	..	..	1	5	..	...
35 to 45 ...	...	...	..	1	1	1	...	...
45 to 55 ...	2	..	..	..	2	..	...	...
55 to 65 ...	...	..	..	1	..	1	...	1
Over 65 ...	...	..	..	..	..	..	...	...
Totals ...	10	5	1	5	4	7	...	2

Cases of Tuberculosis on the	Pulmonary ...	M. 26	F. 22	Total 48
Register 31,12,45 ...	Non-Pulmonary ...	13	16	29

Cases of Tuberculosis removed from the Register as cured during 1945 ...	Pulmonary ...	—	—	—
	Non-Pulmonary ...	—	2	2

Cases removed from Register diagnosis not confirmed during 1945 ...	Pulmonary ...	—	—	—
	Non-Pulmonary ...	—	—	—

Cases removed from the district	Pulmonary ...	2	—	2
	Non-Pulmonary ...	—	—	—

