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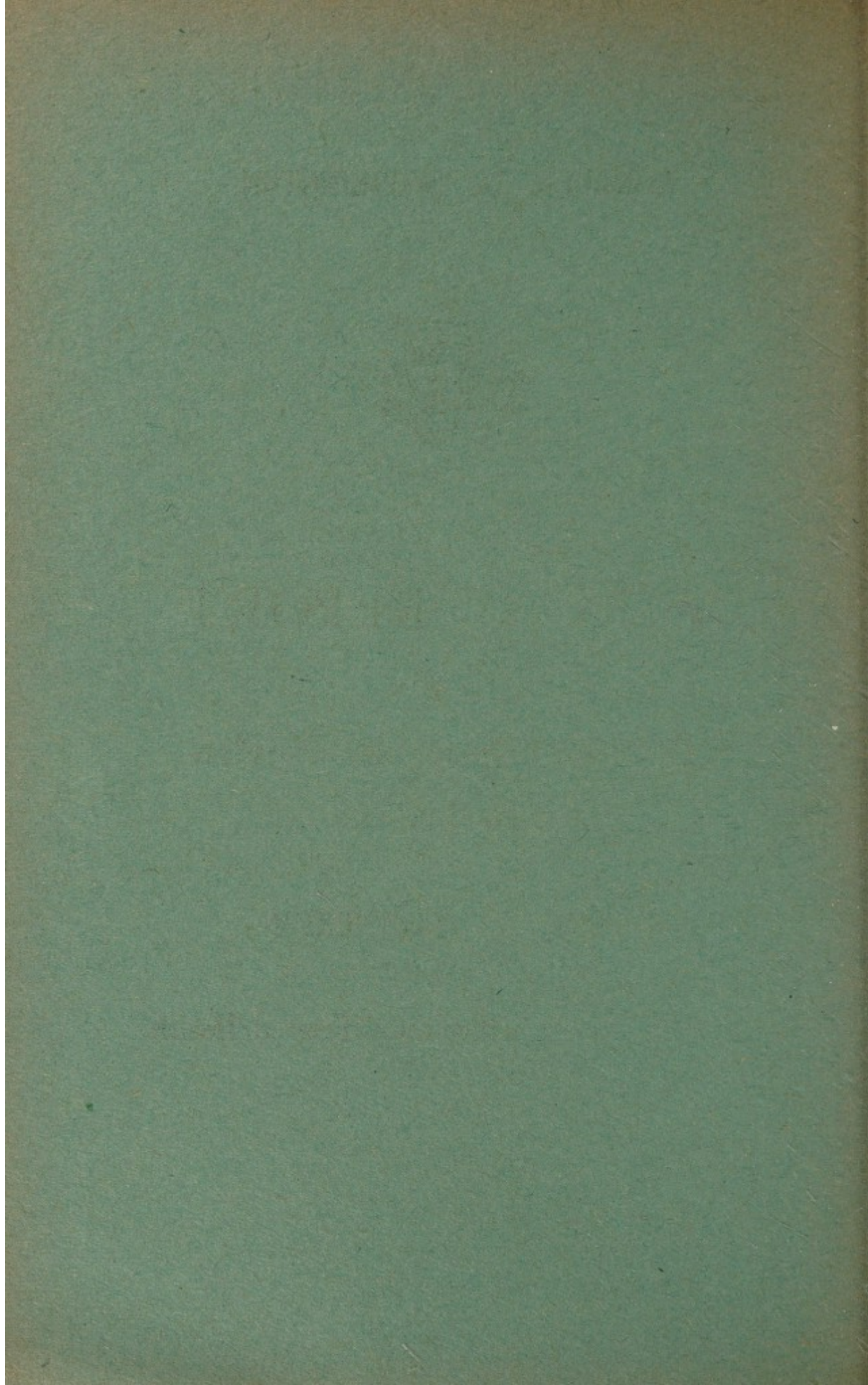
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**BOROUGH OF WORKINGTON.**



# **ANNUAL REPORT**

OF THE

**Medical Officer of Health**

**For the Year 1940**

BY

**ROBERT W. MACPHERSON,**

M.D., CH.B., D.P.H.,

**Medical Officer of Health.**

1941.

THE WORKINGTON STAR LIMITED, PRINTERS.



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## STAFF OF THE PUBLIC HEALTH DEPARTMENT.

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ROBERT W. MACPHERSON,		Medical Officer of Health.
M.D., Ch.B., D.P.H.		School Medical Officer.
WILLIAM EADIE, M.D.	...	Deputy Medical Officer of Health (part-time).
§*RICHARD JAMES	...	Chief Sanitary Inspector. Housing and Meat Inspector.
§*STANLEY M. CARRUTHERS		Assistant Sanitary Inspector.
†PERCY L. LYNN	...	Assistant Sanitary Inspector (part-time).
JOHN ASKEW	...	Dental Officer—Maternity and Child Welfare (part-time).
NURSE PRESCOTT	...	Health Visitor.
NURSE MORGAN	...	Health Visitor.
NURSE PURDY	...	Municipal Midwife.
Mrs. CAVE	...	Municipal Midwife.
Mrs. WILLIAMS	...	Municipal Midwife.
NURSE RICHMOND	...	Municipal Midwife.
GEORGE ELLIOTT	...	Chief Clerk (On Active Service since Sept. 1939)
DONALD MUIR	...	Junior Clerk.
Miss M. PARKER	...	Clerk—Maternity & Child Welfare.
Miss M. NICHOLSON	...	Temporary Clerk.

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Dr. J. A. ROSS	...	Consulting Ophthalmic Surgeon, Carlisle, for Maternity and Child Welfare.
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\* Certificate of R.S.I. and Sanitary Inspectors' Joint Board.

§ Certificate of Meat and Other Foods (R.S.I.)

† Certificate of R.S.I.

# PUBLIC HEALTH AND MATERNITY AND CHILD WELFARE COMMITTEE.

1940-41.

Alderman L. CASSON (Chairman).

THE MAYOR (Councillor I. Armstrong).

Councillor Mrs. CAIN.

„ CATTRELL.  
„ CLUCAS.  
„ HUNTER.  
„ NEEDHAM.  
„ O'HAGAN.  
„ Mrs. SMITH.  
„ TAYLOR.  
„ S. WALKER.

Mrs. C. A. VALENTINE	}	<i>Co-opted Members Maternity and Child Welfare.</i>
Mrs. HEYWOOD.		
Mrs. JOHNSTONE		

Mrs. E. APPLEBY, C.C.	}	<i>Co-opted Members from Cumberland County Council.</i>
Mr. J. J. ADAMS, J.P., C.A.		

Mr. THOS. JACKSON, *Town Clerk.*



TOWN HALL,  
WORKINGTON,  
August 1941.

TO THE MEMBERS OF THE PUBLIC HEALTH  
AND MATERNITY AND CHILD WELFARE  
COMMITTEE.

Mr. Chairman, Ladies and Gentlemen.

I beg to present my Annual Report for the year 1940.

Owing to war conditions the report refers only to essential matters and many sections have been considerably reduced.

The vital statistics for the year show a high general death-rate and infantile mortality. An explanation with regard to these high rates is given in the body of the report.

The epidemics of Whooping Cough and Influenza which were prevalent at end of 1939, continued into the first quarter of this year.

Infectious diseases such as Typhoid Fever, Scarlet Fever and Diphtheria gave little trouble, few notifications of these diseases being received.

An important change is recorded regarding Isolation Hospital administration, when the Corporation's Ellerbeck Hospital was taken over by the West Cumberland Joint Hospital Board, following an order made by the Ministry of Health.

No unemployment figures are quoted in the report, as these figures are not obtainable during the war period.

In spite of difficulties due to war conditions the work of the Health Department has proceeded satisfactorily and essential matters have received due attention.

Many of the staff continue to put in a great deal of extra time in Civil Defence duties, in addition to their ordinary work.

I express my appreciation to all the members of the staff of the department, for the efficient and willing manner in which they have carried out their duties.

I am,

Ladies and Gentlemen,

Your obedient servant,

ROBERT W. MACPHERSON. M.D., CH.B., D.P.H.

Medical Officer of Health.



## SECTION A.

STATISTICAL AND SOCIAL CONDITIONS  
OF THE AREA.

	Birth Rate per 1,000 population.	Death Rate per 1,000 population.	Infantile Mortality Rate per 1,000 live births
WORKINGTON .....	16.71	17.73	82.80
Area (in acres) .....			5,641
Population (R.G.'s Estimate, 1940) .....			27,520

## VITAL STATISTICS.

*Births.*

	Total.	Males.	Females.
Live Births .....	460	249	211
Legitimate .....	436	239	197
Illegitimate .....	24	10	14

Birth Rate per 1,000 of Estimated Population = 16.71

*Still Births.*

	Total.	Males.	Females.
Still Births—Legitimate ...	18	7	11
—Illegitimate ...	2	—	2
	—	—	—
Total ...	20	7	13
	—	—	—

Rate per 1,000 Total (live or still) = 41.66.

*Deaths.*

	Total.	Males.	Females.
Deaths .....	488	267	221

The number of deaths from Influenza was 22 compared with 8 in the previous year.

## DEATHS OF RESIDENTS IN AGE GROUPS.

	Under 1 Year	1-5	5-15	15-25	25-45	45-65	65 and over	Total
Males	21	21	2	11	26	70	116	267
Females	18	4	1	7	17	52	122	221
Total	39	25	3	18	43	122	238	488

## CAUSES OF DEATH OVER 65 YEARS.

CAUSE OF DEATH	65-70	70-75	75-80	80-85	85-90	90 and over	Total
Cerebral Haemorrhage, etc.	6	8	8	4	2	...	28
Heart Disease ...	22	21	19	9	5	...	76
Cancer ...	9	5	4	...	...	...	18
Bronchitis ...	6	4	7	3	4	1	25
Pneumonia ...	4	1	...	1	...	...	3
Senility ...	1	18	9	11	4	2	45
Suicide ...	...	...	...	...	...	...	...
Other Violence ...	...	...	...	...	...	...	...
Nephritis ...	...	2	...	...	...	...	2
Tuberc. losis ...	...	...	...	...	...	...	...
Diabetes ...	...	1	...	...	...	...	1
Influenza ...	5	2	...	1	2	...	10
Other Defined Diseases	4	6	12	7	1	...	30
TOTAL ...	54	68	59	36	18	3	238

Deaths over 65 was 46.72% of the total deaths for the year.

*Deaths from Puerperal Causes.*

	Deaths.	Rate per 1,000 live and still births).
Puerperal Sepsis .....	—	—
Other Puerperal Causes .....	—	—



*Death Rate of Infants under 1 year of age.*

All Infants per 1,000 Live Births .....	82.80
Legitimate Infants per 1,000	
Legitimate Live Births .....	82.77
Illegitimate Infants per 1,000	
Illegitimate Live Births .....	83.33
Deaths from Cancer (all ages) .....	48
Measles (all ages) .....	1
Whooping Cough (all ages) .....	5
Diarrhoea (under 2 years of age) .....	3

DETAILS OF THE CAUSES OF DEATHS OF  
INFANTS UNDER ONE YEAR.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total Under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
Measles ... ..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever ... ..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ... ..	..	..	..	..	..	1	..	..	..	1
Diphtheria ... ..	..	..	..	..	..	..	..	..	..	..
Influenza ... ..	..	..	..	..	..	..	..	1	..	1
Tuberculous Meningitis ... ..	..	..	..	..	..	..	..	..	1	1
Other Tuberculous Diseases ... ..	..	..	..	..	..	..	..	..	..	..
Convulsions ... ..	3	..	..	..	3	3	1	..	2	<del>12</del> 9
Laryngitis ... ..	..	..	..	..	..	..	..	..	..	..
Bronchitis ... ..	..	1	1	..	2	3	1	1	..	<del>4</del> 7
Pneumonia ... ..	..	..	..	..	..	2	..	2	1	5
Diarrhoea ... ..	..	..	..	..	..	..	..	..	..	..
Enteritis ... ..	..	..	..	..	..	..	..	..	..	..
Gastritis ... ..	..	..	..	..	..	..	..	..	1	1
Suffocation, overlaying Atrophy, Debility and Marasmus ... ..	1	..	2	..	3	1	..	..	..	<del>7</del> 4
Congenital Malformations	..	..	..	..	..	..	..	..	..	..
Premature Birth ... ..	6	..	..	..	6	..	..	..	..	<del>12</del> 6
Other Causes ... ..	..	1	1	..	2	..	..	1	1	<del>5</del> 4
TOTALS ..	10	2	4	..	16	10	2	5	6	<del>46</del> 39



The high general death rate and the high infantile mortality require a brief explanation.

Of the total deaths there were 104 more deaths this year than in 1939. This increase took place in the first quarter of the year, during which period 92 out of the 104 deaths occurred.

The causes of death in these cases were due to Whooping Cough, Influenza, Cancer, and Respiratory Diseases (Bronchitis and Pneumonia). For example Bronchitis and Pneumonia and other Respiratory Diseases caused an increase of 45 deaths in this category alone.

Futhermore the deaths occurred mostly in elderly people; this is not surprising when one recalls the severe wintry conditions which prevailed in the early part of the year.

The increase in the deaths among infants appears to be due to similar conditions together with the prevalence of Whooping Cough and Influenza.

In addion to these causes of death—Convulsions, Bronchitis and Pneumonia added considerably to the number.

---

## SECTION B.

### GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

#### (a) *Municipal Laboratory.*

	<i>Positive.</i>	<i>Negative.</i>	<i>Total.</i>
Swabs .....	8	51	59

#### (b) *Cumberland Pathological and Bacteriological Laboratory, Carlisle.*

Blood for Typhoid .....	4
Faeces for Typhoid .....	9
Blood for Wassermann Test .....	1

Sputa for Tuberculosis .....	26
Swabs for Diphtheria .....	4
Swabs for C. S. F. ....	5
Fluid for C. S. F. ....	1
Urine Examinations .....	5
Vaginal Swab .....	1
	—
	56
	—

*Clinics and Treatment Centres.*

Child Welfare Clinic on Tuesday and Wednesday at 2-0 p.m.

Ante Natal Clinic on Monday, Tuesday and Wednesday at 4-0 p.m.

Tuberculosis Dispensary on Monday and Friday at 2-0 p.m.

Cripple Clinic on Friday at 10-0 a.m. (once a fortnight).

Dental Clinic for Expectant Mothers, Saturday at 9-30 a.m.

Birth Control Clinic (sessions held according to cases)

*Midwives Act, 1936.*

The following table shows the cases attended during the year :—

	Jan.	Feb.	Mar.	Apl.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Midwifery Cases ...	32	19	25	18	27	24	23	18	16	49	15	10
Nursing Visits	617	381	580	368	626	429	383	206	342	441	305	296
Ante-Natal Visits	472	353	304	414	192	277	321	364	287	241	149	172



Total No. of Cases .....	276
Total Number of Nursing Visits .....	4,974
Total No. Ante-Natal Visits .....	3,546

*Medical Examination of Expectant Women.*

All uninsured expectant women are medically examined at least once during the expectant period.

	Place of Examination.				Total
	At Home	Dr's Surgery	Clinic	Infirmary	
1st Examination	80	143	103	60	386
2nd Examination	16	20	18	10	64
3rd Examination	1	3	...	1	5
4th Examination	...	1		...	1
	97	167	121	71	456

*Findings at Examinations.*

Normal Cases .....	245
Abnormal Cases .....	141
	386

*Recommended for Hospital.*

(a) On account of home conditions .....	8
(b) On account of patient's condition .....	8
Recommended to have a Doctor at confinement	8
Recommended to have Specialist's opinion....	5
Recommended to have extra nourishment .....	—
Recommended to have dental treatment .....	65

*Summary of Abnormalities found during  
Ante-Natal Examinations.*

Varicose Veins .....	18
Heart Conditions .....	1



Contracted Pelvis .....	23
Albuminuria and Oedemia .....	45
Vaginal Discharge .....	4
Anaemia .....	9
Malpresentation .....	23
Haemorrhage .....	2
Other Conditions .....	16
	<hr/> 141 <hr/>

### *Dental Treatment for Expectant Women.*

The number of expectant women who were recommended to have dental treatment was 65, 23 of whom actually received treatment. The 23 women who received treatment made 27 attendances at the clinic. The treatment was as follows:—

Extractions .....	59
Fillings .....	1
Other Operations .....	—

### *Post Natal.*

	Place of Examination.				Total
	At Home	Dr's Surgery	Clinic	Infirmary	
1st Examination	239	13	3	101	356
2nd Examination	56	18	9	1	84
	295	31	12	102	440

### *Institutional Treatment for Mothers or Children.*

The Maternity Ward of the Workington Infirmary admits cases from the Borough.

The particulars of the total admissions for 1940 are as follows:—

No. of cases admitted .....	228
No. of cases delivered by—	
(a) Midwives .....	137
(b) Doctors .....	76
(c) Caesarean Section .....	4
Average duration of stay in hospital .....	14 days
Medical help sought by Midwives.....	42
No. of children not entirely breast fed whilst in the Maternity Ward .....	8
No. of Maternal Deaths .....	1
No. of Infants dying within 10 days of Birth	6
No. of cases notified as Puerperal Pyrexia	—

There was an increase of 12 admissions to the Maternity Ward compared with the previous year.

Seventy-five women were admitted to the Maternity Ward under the scheme of reduced charge and the contributions made were as follows:—

Admitted Free .....	5
5/- per week .....	5
7/6 per week .....	3
10/- per week .....	19
12/6 per week .....	—
15/- per week .....	18
20/- per week .....	3
21/- per week .....	22
	—
	75
	—

#### *Health Visitors.*

The following were the home visits paid by the two Health Visitors:—

##### A.—Visits paid to Infants under one year:

First Visits .....	527
Total Visits .....	3,708

##### B.—Visits paid to Children between 1-5 years 6,393



## C.—Expectant Mothers :

First Visits .....	24
Total Visits .....	96

The following shows the amount of dried milk issued under the Classified Milk Scheme :—

	Dried Milk. (No. of Packets)		Malt Foods.	Total.
Free Issues .....	5,473		919	6,392
Sales .....	4,055		334	4,389
	<hr/>		<hr/>	<hr/>
	9,528		1,253	10,781
	<hr/>		<hr/>	<hr/>

*Notification of Births Act, 1907.*

There has been no delay in carrying out the provisions of the above Act and notifications have been received within the prescribed time.

No. of Live Births Notified .....	460
No. of Still Births Notified .....	20
	<hr/>
Total ...	480
	<hr/>

## Births Notified by :—

(a) Midwives .....	456
(b) Doctors .....	4
(c) Doctors and Midwives .....	20
	<hr/>
Total ...	480
	<hr/>

*Orthopaedic Treatment.*

The scheme for the treatment of infant cripples continues to give results. Medical Practitioners are always ready to make use of this scheme by referring cases for treatment.

No. of cases on register 1st January, 1940... 27



No. of cases removed from register :—

(a) Deformity corrected .....	10
(b) Left District .....	1
(c) Transferred to School List .....	3
(d) Fatal .....	—
	14

No. of new cases ascertained ..... 20

No. of cases on register 31st December, 1940 33

Of the 33 cases on the register the causes of crippling conditions were due to :—

Infantile Paralysis .....	3
Injury at Birth .....	2
Rickets .....	9
Congenital Defects .....	12
Arthritis .....	1
Talipes .....	6
	—
	33
	—

## SECTION C.

### SANITARY CIRCUMSTANCES OF THE AREA.

#### *Water.*

There are two water supplies for the Borough :

- (a) Crummock.
- (b) Owsen Fell (Harrington and Distington Joint Water Committee).

These two supplies have been described in previous reports and the quality of the water is controlled by Chemical and Bacteriological Examinations.

#### *Crummock Water.*

The following is the result of the Chemical and Bacteriological Analysis :—

ANALYSIS OF SAMPLE OF WATER FROM TAP AT  
No. 13 BANKLANDS, WORKINGTON.

11th September, 1940.

Agar Plate	0.1 c.c.	1 c.c.	10 c.c.
Count.	colonies.	colonies.	colonies.
At 22°C. ....	3	22	274
At 37°C. ....	—	3	42

*Coli-aerogenes* count.—Probable number of coli-aerogenes organisms present per 100 c.c. of original water is:—Nil.

Appearance in 2 ft. tube—Somewhat turbid.

	Parts per
pH — 8.0.	100,000
Free and saline ammonia .....	0.0000
Albuminoid ammonia .....	0.0040
Oxygen absorbed from permanganate at	
27°C in 15 mins. ...	0.038
do. do. in 4 hrs. ...	0.092
Total solids .....	3.2
Suspended matter .....	0.0
Hardness—total .....	1.3
—permanent .....	1.0
—temporary .....	0.3
Chlorine present as chloride .....	0.60
Heavy metals .....	0.00

*Opinion.*—A very soft water of satisfactory chemical and bacteriological characteristics.

LESLIE H. EASSON, Chemist,  
Cumberland Pathological Laboratory.

*Owsen Fell Supply.*

This supply serves the Harrington district of the Borough. The following is the result of the Chemical and Bacteriological examinations.



ANALYSIS OF SAMPLE OF WATER FROM TAP AT HOUSE  
ON MAIN ROAD, HIGH HARRINGTON.

11th September, 1940.

Agar Plate	0.1 c.c.	1 c.c.	10 c.c.
Count.	colonies.	colonies.	colonies.
At 22°C. ....	1	11	144
At 37°C. ....	—	2	27

*Coli-aerogenes* count.—Probable number of coli-aerogenes organisms present per 100 c.c. of original water is:—5 and faecal in origin, i.e., Methyl Red positive; Voges Proskauer, negative.

	Parts per
p.H — 6.4	100,000
Free and saline ammonia .....	0.0000
Albuminoid ammonia .....	0.0010
Oxygen absorbed from permanganate at	
27°C in 15 mins....	0.0000
do. do. in 4 hrs. ...	0.0000
Total solids .....	3.2
Suspended matter .....	0.0
Hardness—total .....	0.9
—permanent .....	0.4
—temporary .....	0.5
Chlorine present as chloride .....	0.85
Heavy metals .....	0.01

Appearance in a 2 ft. tube—Clear and colourless.

*Opinion.*—A very soft water free from excessive contamination by organic material but the presence of lead is very undesirable in a domestic supply.

LESLIE H. EASSON, Chemist,  
Cumberland Pathological Laboratory.

*Public Cleansing.*

There has been no change in the arrangements during the year.



## SECTION D.

### 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 ..... 1158
- (b) Number of inspections made for the purpose 3158
- (2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 ..... 3
- (b) Number of inspections made for the purpose 10
- (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ..... 3
- (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects fit for human habitation ..... 1155

### 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 other officers ..... 1105

### 3. ACTION UNDER STATUTORY POWERS DURING THE YEAR :

- (a) Proceedings under Sections 9, 10 and 16 of Housing Act, 1936 :
  - (1) Number of dwelling-houses in respect of which notices were served requiring repairs 40
  - (2) Number of dwelling-houses which were rendered fit after service of formal notices :
    - (a) By Owners ..... 39
    - (b) By Local Authority in default of owners 1

- (b) Proceedings under Public Health Acts :
  - (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ..... 13
  - (2) Number of dwelling-houses in which defects were remedied after service of formal notices :
    - (a) By Owners ..... 13
    - (b) By Local Authority in default of owners Nil
- (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 ..... Nil
  - (2) Number of dwelling-houses demolished in pursuance of Demolition Orders ..... Nil
- (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 ..... Nil
  - (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ..... Nil

#### 4. HOUSING ACT, 1936, PART IV—OVERCROWDING :

Under this heading it was stated that 84 houses were overcrowded at the end of 1939. Owing to War Conditions the position with regard to overcrowding has greatly changed during the year, and the standard laid down by the Ministry of Health is in abeyance. Without giving the reasons the Ministry will understand the position with regard to this Borough, and under these circumstances it is quite impossible to give definite figures of overcrowding, and number of families dwelling therein at present. The Housing position in Workington is extremely difficult and it is only under exceptional circum-



stances when houses are available that families can be housed.

---

## SECTION E.

### INSPECTION AND SUPERVISION OF FOOD.

Particular attention has been paid to this subject, and every possible consideration is given to the salvage of foodstuffs without detriment to the consumers. All condemned foodstuffs are allocated for animal feeding.

#### *Milk Supply.*

The number of Milk Producers in the Borough is 27, and the number of Purveyors on the Register is 61. On 6 farms within the Borough Accredited Milk is produced under Licence from the County Council. Two Purveyors are licenced to retail Accredited Milk, 2 Pasteurised Milk and 1 Tuberculin Tested Milk.

During the year 4 samples of Accredited Milk and 3 samples of Pasteurised Milk were submitted to the Bacteriologist for examination and all proved satisfactory and to comply with the prescribed conditions. One hundred and twenty-two samples of Ordinary Milk were examined, and 73 proved satisfactory. The 49 unsatisfactory samples were from 19 Producers, 3 of these being situated within the Borough. The Sanitary Inspectors pay careful attention to the production and distribution of Milk, and during the year 318 visits were made to dairies and cowsheds. It is very disappointing to receive adverse results for the amount of work that has been put in. Labour shortage and lack of water for cooling purposes appear to be the main difficulties of several farmers to maintain a satisfactory standard.

Three samples of Milk upon examination were found to contain Tubercle Bacilli, and the Divisional Veterinary Officer of the Minister of Agriculture and Fisheries was immediately notified so that herds in question could

be examined and the cows affected isolated and slaughtered.

*Meat and Other Foods.*

Warehouses, shops, stalls and vehicles have been frequently inspected, and generally speaking the various Acts and Regulations have been well complied with. Details of meat inspection, foodstuffs condemned, etc., are dealt with in the Report of the Chief Sanitary Inspector.

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PREVALENCE OF, AND CONTROL OVER,  
INFECTIOUS AND OTHER DISEASES.

Points of interest with regard to notifiable and non-notifiable diseases during the year:—

Epidemics of Whooping Cough, Influenza and Measles.

Small number of cases of Diphtheria and Scarlet Fever.

One case of Para-typhoid Fever B.

No case of Cerebro-Spinal Meningitis among the civilian population.

*Diphtheria.*

There were five notifications of this disease. All the cases were admitted to the Infectious Diseases Hospital, one of the cases proved fatal after admission.

*Scarlet Fever.*

The number of notifications of cases of scarlet fever was 16, being 3 less than the previous year. 13 cases were removed to the Infectious Diseases Hospital and three cases were isolated at home. There were no deaths from this disease.

*Typhoid Fever.*

One case of typhoid fever was notified and an exam-



ination of the blood showed, Positive Bac. Paratyphoid B. 1-1,000.

The case was a girl of 8 years of age.

### *Erysipelas.*

There were 27 cases of Erysipelas notified and there were no deaths.

### *Measles and Whooping Cough.*

There were 164 cases of measles notified, most of them being in January, one of the cases proved fatal.

Ninety-six cases of Whooping Cough were notified—5 cases proved fatal.

### *Cerebro-Spinal Fever.*

There were four cases among the troops in the area during the year. None of the cases proved fatal.

*Ophthalmia Neotorum.* No case occurred.

### *Puerperal Pyrexia.*

There were two cases notified of puerperal pyrexia.

## ELLERBECK HOSPITAL.

By an Order made by the Ministry of Health known as "The West Cumberland Joint Hospital Board Order" Ellerbeck Hospital belonging to the Corporation of Workington, was taken over by the Board on 1st April, 1940.

The West Cumberland Joint Board serves a wide area and the constituent authorities of the Board are:—Workington Borough, Whitehaven Borough, Maryport Urban District, Cockermouth Urban District, Cockermouth Rural District, Ennerdale Rural District, Wigton Rural District and Millom Rural District. The number of hospitals controlled by the Board are three, namely: Ellerbeck Hospital, which admits cases of Typhoid Fever and Cerebro-Spinal Meningitis; Galemire Hospi-

tal for Diphtheria, and Broughton Moor Hospital for Scarlet Fever. It is the intention of the Board, when times are more opportune, to centralise the Hospital Administration by either increasing the accommodation at one of the existing hospitals or building a new hospital to serve the whole area.

#### CANCER.

The following table shows the number of deaths from cancer according to age and sex distribution:—

<i>Age Group</i>	<i>Males.</i>	<i>Females</i>	<i>Total.</i>
20—30 years.	—	—	—
30—40 „	—	1	1
40—50 „	2	2	4
50—60 „	6	7	13
60—70 „	8	10	18
70—80 „	6	4	10
80—90 „	1	1	2
	—	—	—
	23	25	48
	—	—	—



# NOTIFIABLE DISEASES IN AGE GROUPS AND WARDS during the year.

DISEASE.	AGE PERIODS										WARDS.							Total Cases Notified.	Removed to Hospital	Deaths		
	Under 1 year	1 — 2	2 — 3	3 — 4	4 — 5	5 — 10	10 — 15	15 — 20	20 — 35	35 — 45	45 — 65	65 and over.	St. John's North	St. John's South	St. Michael's West	St. Michael's East	Seaton Ward				South Ward	Harrington Ward
Smallpox ...	—	1	—	—	1	1	2	—	—	—	—	—	—	—	2	—	2	1	—	—	5	1
Diphtheria ...	—	—	—	—	3	8	1	1	1	—	—	—	3	1	—	5	2	2	1	—	13	—
Scarlet Fever	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—	
Enteric Fever	—	—	—	—	—	—	—	—	2	—	—	—	—	1	—	—	1	—	—	2	—	
Puerperal Pyrexia ..	—	—	—	—	—	—	—	2	2	—	—	—	—	1	—	—	—	2	—	4	—	
Cerebro-spinal Fever	—	—	—	—	1	—	3	13	2	2	—	—	1	1	6	2	3	7	1	21	20	
Pulmonary	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuberculosis	—	—	—	3	2	—	1	4	1	—	—	—	—	—	3	—	2	4	2	11	3	
Non-pulmonary	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuberculosis	6	9	13	14	19	89	13	1	—	—	—	—	20	30	32	16	19	31	13	161	—	
Chickenpox	1	1	—	—	—	1	—	1	1	9	7	—	7	2	3	2	6	6	1	27	—	
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Ophthalmia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Neonatorum	2	2	3	1	5	2	3	4	3	3	4	3	6	8	5	3	4	6	3	35	24	
Pneumonia ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Dysentery	9	21	18	25	18	54	7	7	2	—	—	—	17	23	26	9	14	29	46	184	1	
Measles	11	14	15	16	13	25	2	—	—	—	—	—	5	10	30	16	17	11	7	96	5	
Whooping Cough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

## TUBERCULOSIS.

There was no necessity to take action in regard to persons suffering from Tuberculosis in the milk trade or under Section 172 of the Public Health Act, 1936, relating to the compulsory removal to hospital of persons suffering from Tuberculosis.

*Tuberculosis*

Deaths from all forms of Tuberculosis were one less than in the previous year.

Age Periods.	New Cases.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	...	...	...	...	...	...	...	1
1—5	...	...	2	1	...	...	...	...
5—10	...	1	2	...	...	...	1	...
10—15	...	...	...	...	...	...	...	...
15—20	2	1	1	...	1	...	...	...
20—25	3	5	3	...	4	3	1	...
25—35	5	...	...	1	2	5	...	...
35—45	1	1	...	1	3	1	...	...
45—55	2	...	...	...	...	1	...	...
55—65	...	...	...	...	...	...	...	...
65 & over.	...	...	...	...	...	...	...	...
Total	13	8	8	3	10	10	2	1

DEATHS FROM TUBERCULOSIS IN THE  
VARIOUS WARDS.

	St. John's North	St. John's South	St. Michael's West	St. Michael's East	South Ward	Seaton Ward	Harrington Ward	TOTAL.
Pulmonary Tuberculosis	1	3	5	3	7	1	-	20
Non-Pulmonary Tuberculosis	-	-	-	-	-	1	2	3



The following table shows the number of Tuberculosis cases on the Register on December 31st, 1940:—

PULMONARY.			NON-PULMONARY.			Total Cases on Register.
Males.	Females	Total	Males	Females	Total	
60	62	122	42	36	78	200

The total number of cases on the Register is nine more than in the previous year.

#### SANATORIUM TREATMENT.

	In Insti- tutions 1st. Jan. 1940.	Admit- ted.	Dis- charged	Died	In Insti- tutions 31st Dec. 1940.
<b>Pulmonary Cases—</b>					
Adult Males ...	1	6	4	.	3
Adult Females ...	6	4	4	1	5
Children ..	1	3	2	...	2
<b>Non-Pulmonary Cases</b>					
Adult Males ..	...	...	...	...	...
Adult Females ..	...	...	...	...	...
Children ..	...	...	...	...	...
<b>TOTAL ...</b>	<b>8</b>	<b>13</b>	<b>10</b>	<b>1</b>	<b>10</b>

# FACTORIES ACT, 1937.

## 1.—INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH, INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS.

Premises (1)	Number of		
	Inspections (2)	Written Notices (3)	Occupiers Prosecuted (4)
<b>Factories</b> with mechanical power	163	19	...
<b>Factories</b> without mechanical power	192	14	...
<b>Other Premises</b> under the Act (including works of building and engineering construction but not including outworkers' premises ...)	5	33	...
<b>Total</b> ...	360	66	...

## 2.—DEFECTS FOUND.

Particulars (1)	Number of Defect			Number of offences in respect of which Prosecutions were instituted (5)
	Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	
Want of cleanliness (S. 1) ...	14	14	...	...
Overcrowding (S. 2) ...	2	2	...	...
Unreasonable temperature (S. 3) ..	1	1	...	...
Inadequate ventilation (S. 4) ...	2	2	...	...
Ineffective drainage of floors (S. 6)	...	...	...	...
Sanitary conveniences (S. 7) :—				
insufficient ... ..	5	5	...	...
unsuitable or defective ...	9	9	...	...
not separate for sexes ...	2	2	...	...
Other offences ... ..	1	1	...	...
Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937).				
<b>Total</b> ... ..	36	36	...	...



## SANITARY INSPECTION OF THE AREA.

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 ANNUAL REPORT OF THE SANITARY INSPECTOR  
 FOR THE YEAR 1940.

*To R. W. Macpherson, Esq., M.D., D.P.H.,  
 Medical Officer of Health.*

Sir,

I herewith submit the following statement showing the number and nature of inspections, etc., during the year, 1940, also the number of notices served and the various items dealt with:—

General Inspections	...	...	...	...	5,621
Inquiries re Infectious Diseases, Disinfection of					
Premises, etc.	...	...	...	...	75
Testing Drains	...	...	...	...	265
Cinemas	...	...	...	...	24
Social Clubs	...	...	...	...	11
Schools	...	...	...	...	28
Factories	...	...	...	...	239
Bakehouses	...	...	...	...	121
Offensive Trades	...	...	...	...	147
Stables	...	...	...	...	38
Rat Infested Premises	...	...	...	...	45
Verminous Premises	...	...	...	...	98
Lodging Houses	...	...	...	...	24
Houses Let in Lodgings	...	...	...	...	26
Fish and Chip Shops	...	...	...	...	80
Shops Visited re Shops Act	...	...	...	...	296
Food and Drugs Act	...	...	...	...	152
Shops Visited re Meat and Other Foods	...	...	...	...	60
Market Stalls and Carts	...	...	...	...	30
Ice Cream Shops and Carts	...	...	...	...	49
Cowsheds and Dairies	...	...	...	...	318
Slaughterhouses	...	...	...	...	871
Caravans	...	...	...	...	21
Housing Inspections	...	...	...	...	258
Overcrowding	...	...	...	...	54

A. R. P. ....	236
Military Billets ....	106
Hotels ....	25
Interviews with Owners, Tradesmen etc. ....	382
Revisits ....	2,795
Samples of Milk taken for Bacteriological Examination ....	122
Samples of Graded Milk taken for Bacteriological Examination ....	7

## NOTICES SERVED.

Informal Notices ....	1,158
Statutory Notices ....	53

At the end of the year 273 Informal Notices remained to be dealt with.

The attention of the Borough Surveyor has been called to the following defects:—

Choked Gullies or Sewers ....	22
Apparently dangerous structures ....	2
Waste or Poor Pressure of Water ....	7
Defective Stop Taps and Covers ....	3

## SUMMARY OF WORKS EXECUTED.

## DRAINAGE, ETC.:—

Drains relaid ....	47
Cleansed or Repaired ....	48
New gullies fixed ....	42
Cleared by vacuum pump free of cost to owner	127
New sinks fixed ....	31
Waste pipes renewed or repaired ....	23

## WATER CLOSETS:—

Repaired or cleansed ....	12
Cisterns repaired or renewed ....	151
Service pipes repaired ....	895
New basins fixed ....	144
New traps fixed ....	12
Wallplaster ....	11



Flush pipes renewed	...	...	...	13
Leaking joints repaired	...	...	...	22
Seats repaired or renewed	...	...	...	29
Doors repaired or renewed	...	...	...	13
Floors repaired or renewed	...	...	...	3
Cleansed or Limewashed	...	...	...	8
Additional accommodation provided	...	...	...	8

## HOUSES :—

Roofs repaired	...	...	...	...	102
Chimneys repaired	...	...	...	...	16
Spouts cleansed or renewed	...	...	...	...	52
Window frames repaired or renewed	...	...	...	...	62
Sashcords renewed	...	...	...	...	88
Ceilings repaired or renewed	...	...	...	...	47
Exterior walls repaired or repointed	...	...	...	...	66
Interior walls remedied of dampness	...	...	...	...	112
Wall plaster remedied	...	...	...	...	30
Proper ventilated food stores provided	...	...	...	...	6
Coal stores provided	...	...	...	...	4
Kitchen ranges repaired	...	...	...	...	25
Stair-cases repaired	...	...	...	...	4
Fireplaces repaired	...	...	...	...	13
Doors repaired or renewed	...	...	...	...	56
Insufficient water supply	...	...	...	...	18
Setpots repaired or renewed	...	...	...	...	12
Additional lighting and ventilation provided	...	...	...	...	18
Floors repaired or renewed	...	...	...	...	75
Yard surfaces repaired or renewed	...	...	...	...	29
Accumulations removed	...	...	...	...	6
Dangerous buildings	...	...	...	...	1
Insufficient cooking accommodation	...	...	...	...	1
Lack of rent books or information not entered	...	...	...	...	2
Dirty premises	...	...	...	...	29
Water taps missing	...	...	...	...	3
Miscellaneous	...	...	...	...	9

A record number of notices were served requiring repairs. Considerable difficulty was experienced in get-

ting work done owing to lack of materials, shortage of labour, etc., thus involving much additional work and visits. The severe frost at the beginning of the year rendered many sanitary fittings defective.

#### VERMINOUS PREMISES.

Owing to the presence of vermin (bugs, fleas, etc.) 40 houses were disinfested by this Department. The number of Council Houses found infested with bugs was 5, other houses 16.

The disinfestation methods employed are the same as outlined in the previous annual report.

#### FACTORIES ACT, 1937.

During the year 360 visits were made to factories (including bakehouses), and 33 notices were served regarding defects, alterations, etc.

H. M. Inspector of Factories directed attention to various contraventions of the Act at seven factories. Immediate action was taken and the matters were rectified.

#### INSPECTION OF MEAT AND OTHER FOODS.

In January the Harrington Road Slaughterhouse was requisitioned by the Ministry of Food, and slaughtering has been centralised. Meat for the Borough and certain surrounding areas is distributed from this slaughterhouse. During the year 871 visits were paid and the carcasses and organs of all animals slaughtered were carefully examined prior to release for sale. The number of animals killed was 16,999, as compared with 14,615 for the previous year, made up as follows:—

	1940.	1939.
Bulls .....	55	49
Bullocks .....	648	541
Cows .....	573	177
Heifers .....	906	1027
Calves .....	711	126



Pigs	.....	1494	3337
Sheep	.....	12612	9365
Goats	.....	—	1

Upon examination the number of animals found affected with various diseases or conditions were:—

Disease or Condition	Whole Carcasses							Part Carcasses or Organs						
	Bulls	Bullocks	Cows	Heifers	Calves	Pigs	Sheep & Lambs	Bulls	Bullocks	Cows	Heifers	Calves	Pigs	Sheep & Lambs
Tuberculosis	2	...	16	2	1	1	...	12	42	91	65	...	101	...
Pericarditis	...	...	...	...	...	...	...	...	3	...	1	...	...	...
Fevered	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Pneumonia	...	...	...	...	...	1	...	...	1	...	...	...	...	1
Umbilical Pyaemia	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Immaturity	...	...	...	...	27	...	1	...	...	...	...	...	...	...
Moribund	...	...	...	1	1	1	9	...	...	...	...	...	...	...
Oedema	...	...	...	...	...	...	6	...	...	...	...	...	...	...
Broken Limbs, Bruising	...	...	...	...	...	...	...	...	4	3	...	2	15	...
Congestion	...	...	...	...	...	...	...	1	...	1	...	...	4	4
Nephritis	...	...	...	...	...	...	...	...	2	1	3	1	...	2
Abscesses	...	...	...	...	...	...	...	3	15	16	17	1	...	1
Distomatosis, Cirrhosis	...	...	...	...	...	...	...	6	141	99	225	...	6	228
Cysts	...	...	...	...	...	...	...	...	3	...	...	2	1	12
Inflammation	...	...	...	...	...	...	...	...	...	1	2	2	...	...
Cavernous Angioma	...	...	...	...	...	...	...	...	...	3	1	...	...	...
Actinomycosis	...	...	...	...	...	...	...	...	...	2	1	...	...	...
Fatty Infiltration	...	...	...	...	...	...	...	...	2	2	...	...	...	...
Mastitis	...	...	...	...	...	...	...	...	...	11	...	...	...	...
Necrosis	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Pleurisy	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Verminous Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Rat-Tainted	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Peritonitis	...	...	...	...	1	...	1	...	...	...	...	...	1	...
Coenurus Cerebralis	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Arthritis	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Urticaria	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Totals	2	...	16	3	33	4	17	22	213	230	315	6	131	257

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Percentage of animals inspected affected with Tuberculosis ..	7.64	18.67	1.41	—	6.83
Percentage of animals inspected affected with disease other than Tuberculosis ...	26.85	24.26	5.34	2.17	2.21

In addition the following foodstuffs were found unfit for human consumption:—

Haddock (6 stones) .....	Decomposition.
Cod (26 stones) .....	do.
Skate (8 stones) .....	do.
Plaice (1 stone) .....	do.
Whiting (9 stones) .....	do.
Bacon (163 $\frac{3}{4}$ lbs.) .....	do.
Ham (22 $\frac{1}{2}$ lbs.) .....	Bone Taint.
Imported Beef (296 lbs.) .....	do.
Chickens (10—42 lbs.) .....	Decomposition.
Imported Eggs (1,627) .....	Unsound.
Ox Tripe (975 lbs.) .....	Decomposition.
Yeast (24 $\frac{1}{2}$ lbs.) .....	do.
Veal and Ham Roll (11 lbs.) ...	do.
Tinned Brawn (12 lbs.) .....	Blown.
do. Beef (12 lbs.) .....	do.
do. Tongue (12 lbs.) .....	do.
do. Ham (11 $\frac{1}{4}$ lbs.) .....	do.
do. Veal (30 lbs.) .....	do.
do. Corned Beef (7 lbs.) .....	do.
do. Fish (33 tins) .....	do.
do. Fruit (61 tins) .....	do.
do. Milk (19 tins) .....	do.

(Signed) RICHARD JAMES,

*Chief Sanitary Inspector.*





