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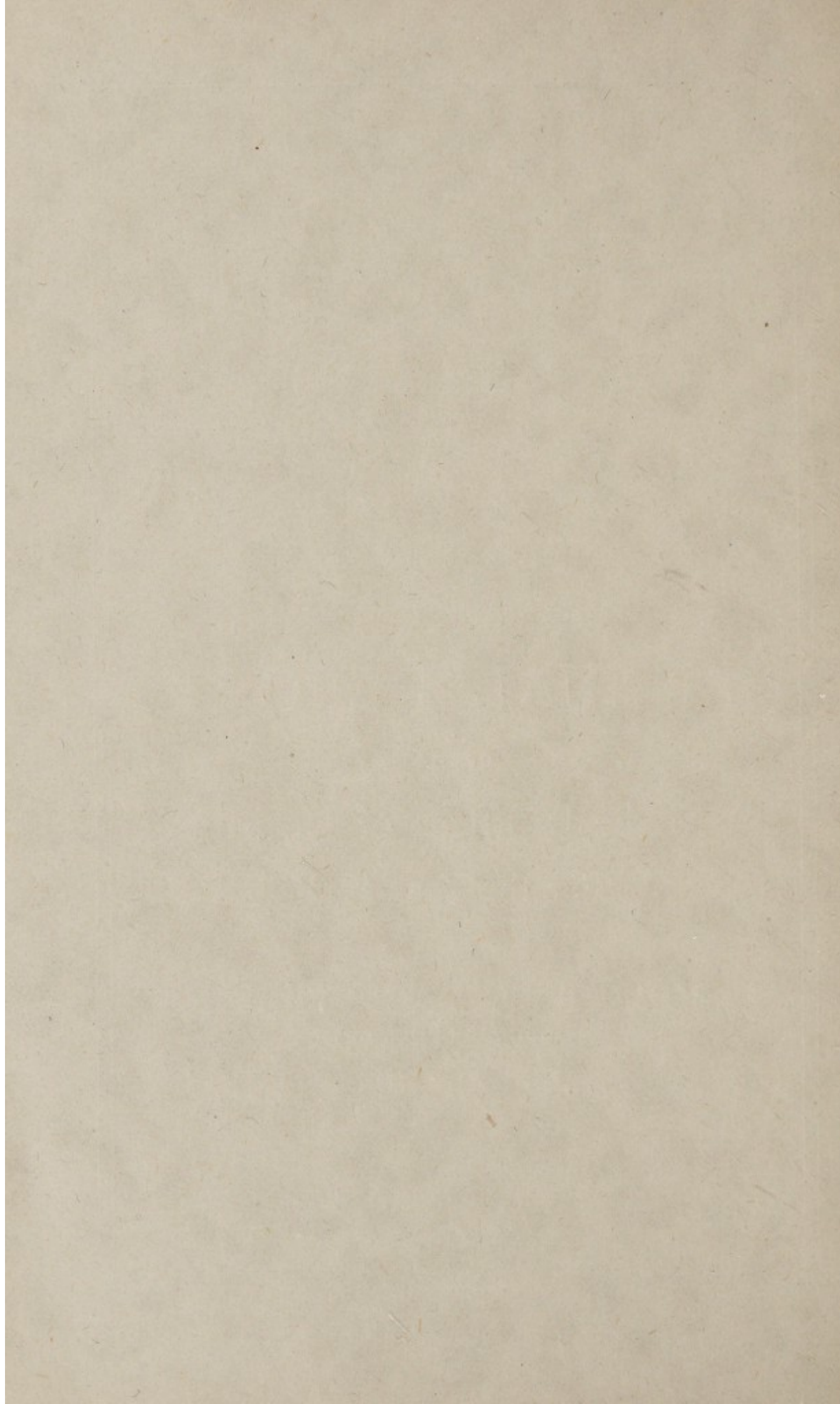
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BOROUGH OF WORKINGTON.



ANNUAL REPORT

OF THE

Medical Officer of Health,

For the Year 1948


BY

ROBERT W. MACPHERSON

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

Medical Officer of Health.

WORKINGTON STAR LTD., PRINTERS.



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STAFF OF THE PUBLIC HEALTH DEPARTMENT.

ROBERT W. MACPHERSON, M.D., Ch.B., D.P.H.			Medical Officer of Health.
R. E. FLETCHER, M.B., Ch.B.			Deputy Medical Officer of Health.
§*RICHARD JAMES	Chief Sanitary Inspector. Housing and Meat Inspector.
§*SIDNEY THOMPSON	Assistant Sanitary Inspector. (Resigned September, 1948).
*GEORGE ELLIOTT	Assistant Sanitary Inspector. (Resigned October, 1948).
§*PATRICK ELTON	Assistant Sanitary Inspector. (Appointed November, 1948).
*CHARLES E. PEARSON	Assistant Sanitary Inspector. (Appointed November, 1948).
NURSE MORGAN	Health Visitor.
NURSE STAPLE	Temporary Health Visitor.
NURSE CAVE	Municipal Midwife.
NURSE MURPHY	Municipal Midwife.
NURSE RICHMOND	Municipal Midwife.
NURSE WILLIAMS	Municipal Midwife.
Mrs. M. ROBINSON	Chief Clerk.
Miss M. KINSELLA	Clerk (Resigned June, 1948).
Miss M. TIERNEY	Clerk.
R. J. LESLIE FRASER, M.D., D.O.M.S.			Consulting Ophthalmic Surgeon, Carlisle, for Maternity and Child Welfare.

* Certificate of R.S.I. and Sanitary Inspectors' Joint Board.

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

PUBLIC HEALTH AND MATERNITY AND CHILD WELFARE COMMITTEE.

1947-1948.

Alderman L. CASSON (Chairman).

THE MAYOR (Councillor A. Rowe).

Alderman D. J. MASON.

(Died 20th May, 1948).

„ S. WALKER.

Councillor J. ASKEW.

„ A. V. CATTRELL.

„ E. GRAHAM.

„ MRS. B. O. McKEATING.

„ H. H. McMANUS.

„ MRS. M. A. SMITH.

„ D. VICKERS.

„ A. YOUNG.

Mrs. JOHNSTONE

Mrs. MORLEY

Mrs. DODD

} *Co-opted Members Maternity
and Child Welfare.*

Mrs. E. APPLEBY, C.C.

Mr. J. J. ADAMS, J.P., C.A.

} *Co-opted Members from
Cumberland County
Council.*

Mr. J. R. COCKFIELD, Town Clerk.

TOWN HALL,

WORKINGTON,

June, 1949.

TO THE MEMBERS OF THE PUBLIC HEALTH
COMMITTEE.

Mr. Chairman, Ladies and Gentlemen,

I beg to submit my Annual Report for the year 1948.

In carrying out the provisions of the National Health Service Act, 1946, the Maternity and Child Welfare section of the Public Health Department was transferred to the Cumberland County Council on the 5th of July, 1948, which Authority, from that date, has become responsible for these services.

The general health of the inhabitants of the Borough, for 1948, has been very good.

The Vital Statistics are very satisfactory. The Birth Rate has shown a slight decline compared with the previous year. The general Death Rate is down from 12.7 to 10.9 per 1,000, and there is a record low Infantile Mortality Rate of 26.6 per 1,000 births.

Cases of Infectious Diseases have given little trouble. Measles became more numerous during the latter half of the year, but the total was half the number of the previous year.

Special reports have been submitted to the Committee by the Chief Sanitary Inspector, with regard to the preparation and distribution of food. Although there is an improvement a higher standard is still desired.

The housing position in the Borough shows a long waiting list of families who are overcrowded, living in rooms, etc., and who still require houses. The Housing Committee has a very difficult task to perform in letting houses, and as I now attend the Committee Meetings I can speak from personal experience. All applications are given careful consideration, and, as far as possible, the houses are let to those in greatest need. There were 252 families re-housed during the period of this report.

It is with great pleasure that I record the willing help and assistance I received from the members of the staff of the Public Health Department, who carry out their duties in an efficient manner. Furthermore, the co-operation I have received from the Heads of other Departments is much appreciated.

I am,

Ladies and Gentlemen,

Your obedient servant,

ROBERT W. MACPHERSON,

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	19.7	10.9	26.6
England and Wales	17.9	10.8	34.0
Area (in acres)			5,641
Population (R.G.'s Estimate, 1948)			28,540

VITAL STATISTICS.

Births.

	Total.	Males.	Females.
Live Births	563	288	275
Legitimate	542	277	265
Illegitimate	21	11	10

Birth Rate per 1,000 of Estimated Population = 19.7.

Still Births.

	Total.	Males.	Females.
Legitimate	10	4	6
Illegitimate	1	1	—
	—	—	—
	11	5	6
	—	—	—

Deaths.

	Total.	Males.	Females.
Deaths	311	178	133

Deaths from Puerperal Causes.

	Deaths.	Rate per 1,000 (live and still births).
Puerperal Sepsis	Nil.	Nil.
Other Puerperal Causes	2	3.4

Death Rate of Infants under 1 year of age.

All Infants per 1,000 Live Births	26.6
Legitimate Infants per 1,000	
Legitimate Live Births	27.6
Illegitimate Infants per 1,000	
Illegitimate Live Births	Nil
Deaths from Cancer (all ages)	48
Measles (all ages)	Nil
Whooping Cough (all ages)	1
Diarrhoea (under 2 years)	2

DETAILS OF 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
Diphtheria
Convulsions...
Laryngitis
Bronchitis
Pneumonia	2	1	3	...
Diarrhoea
Enteritis
Gastritis	1	...	1	2	...
Suffocation, overlaying Atrophy, Debility and Marasmus	2	2	2
Congenital Malformations	2	2	2
Premature Birth	4	1	5	5
Other Causes	1	...	1	...
TOTAL ...	8	1	9	...	1	3	2	15

DEATHS OF RESIDENTS IN AGE GROUPS.

	Under 1 Year	1-5	5-15	15-25	25-45	45-65	65 and over	Total
Males	11	2	...	3	24	48	90	178
Females	4	1	2	5	11	26	84	133
Total	15	3	2	8	35	74	174	311

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.	9	9	12	5	35
Heart Disease ...	10	23	25	9	6	...	73
Cancer ...	6	10	5	5	2	...	28
Bronchitis ...	2	2	4	2	1	...	11
Pneumonia	2	1	...	3
Senility	2	3	1	2	2	10
Suicide
Other Violence	1	1
Nephritis ...	1	...	2	3
Tuberculosis ...	1	1
Diabetes	1	1	2
Influenza	1	1
Other Defined Diseases	...	3	3	6
TOTAL ...	29	53	56	22	12	2	174

SECTION B.**GENERAL PROVISION OF HEALTH SERVICES
FOR THE AREA.***Cumberland Pathological and Bacteriological
Laboratory, Carlisle.*

Blood for Typhoid	—
Sputa for Tuberculosis	107
Swabs for Diphtheria	22
Miscellaneous	2
	—
	131
	—

The following tables cover the period 1st January to the 4th July, 1948.

Midwives' Act, 1936.

Cases attended during the period:—

	Jan.	Feb.	Mar.	April.	May.	June.
Midwifery Cases	19	34	28	22	21	10
Nursing Visits	422	548	474	384	356	282
Ante-Natal Visits	250	264	174	170	228	158
Total Number of Cases						134
Total Number of Nursing Visits						2,466
Total Number of Ante-Natal Visits						1,244

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	Infirmmary	
1st Examination	5	99	81	61	246
2nd Examination	5	36	33	26	100
3rd Examination	...	8	1	1	10
4th Examination
	10	143	115	88	356

Findings at Examinations.

Normal Cases	220
Abnormal Cases	26
	<hr/> 246 <hr/>

Recommended for Hospital.

(a) On account of home conditions	10
(b) On account of patient's condition	9
Recommended to have a Doctor at confinement ..	2
Recommended to have a Specialist's opinion	4
Recommended to have dental treatment	10
Recommended to have X-ray examination	7

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

Vaginal Discharge	1
Haemorrhage	1
Malpresentation	8
Albuminuria and Oedema	7
Contracted Pelvis	6
Heart Conditions	—
Anaemia	1
Varicose Veins	2
Other Conditions	—
	<hr/> 26 <hr/>

Dental Treatment of Expectant Women.

The number of expectant women who were recommended to have dental treatment was 10, 9 of whom actually received treatment.

Post Natal.

	Place of Examination.				Total
	At Home	Dr's Surgery	Clinic	Infirmary	
1st Examination	91	6	...	98	195
2nd Examination	12	3	1	...	16
	103	9	1	98	211

Health Visitors.

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

A.—Visits paid to Infants under 1 years:—

First Visits	252
Total Visits	1,867

B.—Visits paid to Children between 1-5 years 3,858

C.—Expectant Mothers:—

First Visits	Nil
Total Visits	Nil

The following shows the amount of Milk and Malt Foods issued during the period:—

	Milk Foods.	Malt Foods.	Total.
Free Issues	36	52	98
Sales	3,048	817	3,865
	3,084	869	3,963

Notification of Births Act, 1907.

No. of Live Births Notified	314
No. of Still Births Notified	3

 317

Births Notified by :—

(a) Midwives	302
(b) Doctors	4
(c) Doctors and Midwives	11

 317

Orthopaedic Treatment.

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

No. of cases on Register on the 1st January, 1948	32
No. of new cases ascertained	7
No. of cases on Register on the 5th July, 1948	39

Of the thirty-nine cases on the Register, the causes of crippling conditions were due to:—

Injury at Birth	2
Rickets	12
Congenital Defects	7
Talipes	9
Other Defects	7
Slight Paralysis	2

 39

THE CARE OF PREMATURE INFANTS AND OF ILLEGITIMATE CHILDREN.

Premature Births.

The suggestions in the Ministry of Health Circular 20/44, dated 22nd March, 1944, have been carried out in a similar manner as explained in the Annual Report of last year.

The number of premature infants notified during the period 1st January—4th July, 1948, was 12.

Illegitimate Children.

A special register of all illegitimate children is kept by the Health Visitors, and special reports are furnished in all cases. As mentioned in my previous Annual Report, there is complete co-operation between the Health Visitors and the Social Moral Welfare Officer of the district, so that advice can be given in helping the mother and safeguarding the welfare of the child.

There have been 13 illegitimate children born during the period, 1st January—4th July, 1948.

AMBULANCE SERVICE.

During the year the ambulance carried 405 patients and made 382 journeys, covering 16,403 miles.

AMBULANCE JOURNEYS :

Carlisle	168
Whitehaven	65
Workington	137
	<hr/>
	370
	<hr/>

SPECIAL JOURNEYS :

Harrogate	1
Newcastle	4
Shotley Bridge	4
Windermere	3
	—
	12
	—

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply.

In my Annual Report of last year certain recommendations of the Gathering Grounds Sub-Committee of the Central Advisory Committee, in regard to Workington's Water Undertaking, were mentioned. The action taken in regard to these recommendations were as follows.

Firstly, the defective septic tank at Kirkstile Inn has been reconstructed, and is now in a satisfactory working order. Careful control over treatment of sewage effluent flowing into the stream at the head of Crummock Lake is being exercised by the officials of the Cockermouth Rural District.

Secondly, during the year fifteen bacteriological examinations were made of the raw and treated water. On two occasions, in July, samples of the raw water were reported as suspicious of contamination. In view of this, further samples of the raw water and treated water were sent for examination. The results of these analyses were satisfactory.

The report of Messrs. Herbert Lapworth Partners was received in November and considered by the Water Committee, at which Meeting representatives of the Cockermouth Rural and Urban District Councils were present. Very careful consideration was given to this report, and it was resolved: (a) That an efficient chlorination plant

be installed, and (b) That the water be treated to prevent incrustation in mains and necessity for scraping. No decision was made in regard to filtration.

During the year 5,000 lineal yards of water mains were laid in the Borough.

I am indebted to Mr. Handel Kay, Borough Water Engineer, for the following note on Workington's new Reservoir.

The scheme for the provision of a high level water supply commenced at the end of 1947 has made good progress, and the reservoir itself has been practically completed. A considerable quantity of steel and iron pipes have been delivered for the purpose of the mains. Contracts have been let for the laying of the mains, the purchase of pumping equipment and the building of a pump house. Two 105 h.p. pumps have been delivered and are awaiting installation.

The scheme comprises the construction of a reinforced concrete service reservoir at Winscales, at a level of 455 feet above sea level, which will be filled with water brought down to Stainburn Reservoir by gravity and pumped through an 18in. diameter steel rising main to the new reservoir. Water from the reservoir will be brought through a 12in. distribution main from Winscales to the town to serve the higher areas.

The construction should be completed during 1950, and will ensure, when brought into operation, that every part of the Borough will be given a water supply at adequate pressure.

Refuse Collection and Disposal.

The system of refuse collection is much the same as in previous years. It is hoped that at some early date all houses will have covered refuse bins, instead of using a variety of containers such as boxes, buckets, etc.

A few years ago a bi-weekly collection of refuse in certain parts of the town was cut down to a weekly collection. Since this change was made circumstances

have altered as a result of the war. Fuel is rationed and costly. In warm weather householders, as far as possible, do without fires. Labour saving devices are made use of, and hot water is obtained by means of immersion heaters. The result is that household waste is not burned, and in many cases the refuse bins are filled with a mass of garbage which quickly becomes decomposed and foul smelling—making an ideal breeding ground for flies.

Refuse Disposal.

The refuse tip on the Cloffocks is nearly filled up, and another refuse tip, or some other means of dealing with the Town's refuse is under consideration. However, in the event of the tipping method of refuse disposal being adopted by the Council, it is hoped that control tipping, in the true sense of the word, will be carried out.

When a new tip, or other means of disposal, has been decided upon it might be opportune to discuss the whole method of refuse collection, tipping and disposal, as there are, no doubt, many improvements which could be made.

Drainage and Sewerage.

I am able to report that more attention has been paid to the cleansing of street gullies.

Members of the Streets Committee saw a demonstration of cleansing and flushing of street gullies by mechanical means. It was generally agreed that this method was very satisfactory.

During the year 211 street gullies have been constructed and 6,433 lineal yards of sewer mains have been laid in the Borough.

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) 453
- (b) Number of inspections made for this purpose 1586
- (2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 Nil
- (b) Number of inspections made for this purpose Nil
- (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 5
- (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 448

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 385

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 24
 - (2) Number of dwelling-houses which were rendered fit after service of formal notices :
 - (a) By Owners 24
 - (b) By Local Authority in default of Owners Nil

- (b) Proceedings under Public Health Acts :
- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 39
 - (2) Number of dwelling-houses in which defects were remedied after service of formal notices :
 - (a) By Owners 39
 - (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 1
 - (2) Number of dwelling-houses demolished in pursuance of Demolition Orders 1
- (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 room in respect of which Closing Orders were determined, the tenement or room having been rendered fit Nil

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

Following the adverse report by the Chief Sanitary Inspector in 1947 regarding the unsatisfactory condition of many premises where food is stored, prepared or sold, special attention has been given to this matter during the year and I am pleased to report many structural alterations to modernise preparing rooms, etc. It has been found that traders generally appear anxious to improve their premises, and every assistance and advice have been

given by the Sanitary Inspectors. Always, however, bearing in mind, the recent Ministry of Food circular requesting "food traders be encouraged to improve the hygienic conditions of their premises so far as labour, materials and equipment are available for this purpose, but always appreciating the Government's policy restricting capital investment, and to require improvements considered essential to bring about compliance with the law, or to prevent danger to health."

Attention has also been given to cleanliness of persons, premises and implements, ventilation, temperature, sanitary arrangements for both sexes, washing facilities and vermin (mice, cockroaches, etc.). During the past few years there has been an increase in the number of food poisoning cases in the country, and the Ministry of Health has sponsored a campaign to educate all engaged in the food trade to practice cleanliness so as to eliminate such outbreaks, and regular washing of hands is one essential.

Milk Supply.

The number of milk producers in the Borough is 18, and there are 35 retailers. Tubercular tested milk is produced on 5 farms, and accredited milk is produced on 2 farms. Two purveyors are licenced to retail pasteurised milk.

During the year 93 samples of milk were obtained and submitted for bacteriological examination, and 56 proved satisfactory to the prescribed tests. Of the 37 samples declared unsatisfactory, 22 failed the methylene blue test, 8 the bacillus coli test, and 7 failed both tests.

Unsatisfactory results have again been the cause of much time being spent investigating the causes. During the year 4 registered dealers appeared before the Committee owing to continued adverse reports.

The sale of bottled milk is increasing, and the use of the metal disc covering the entire neck of the bottle is much preferred to the unwaxed and absorbent cardboard discs. The sale of loose milk should be discontinued, and

the habit of many roundsmen in hanging measures to their cans or pockets is deplorable. The consumption of heat treated milk has increased.

Ice Cream.

The Ice Cream (Heat Treatment) Regulations have received the full co-operation of the trade, and the reports by the Chief Sanitary Inspector are very satisfactory.

Twenty--three samples of ice cream were submitted for bacteriological examination—15 being placed in Grade I, 5 in Grade II, 1 in Grade III and 2 in Grade IV. Samples placed in Grades I and II can be regarded as satisfactory.

SECTION F.

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

The chief points of interest regarding the prevalence of infectious diseases were as follows. Generally speaking infectious diseases gave very little trouble throughout the year. Small number of cases of Scarlet Fever. Only two notifications of Diphtheria. No cases of Acute Poliomyelitis or Typhoid Fever. Measles in epidemic form towards the end of the year.

Scarlet Fever.

There were nineteen notifications of Scarlet Fever compared with fifteen in the previous year. Ten cases were removed to Hospital. The infection was of a mild type, and there were no deaths from this disease.

Diphtheria.

Two notifications of Diphtheria were received—the same number as last year. Both cases had not been immunised. After a period of treatment in Hospital both cases recovered. There has been no death from Diphtheria for over four years.

The Cumberland County Council became the responsible Authority for providing Diphtheria Immunisation from the 5th July, 1948.

Typhoid Fever and Acute Polio-Encephalitis.

There were no notifications received of these diseases.

Cerebro-Spinal Meningitis.

There were two cases of Cerebro-Spinal Meningitis. One, a child aged 3 years, after a period of treatment recovered from the illness. Another, a man aged 68 years, had a severe attack, and died after four days' illness. Both cases were removed to Carlisle Infectious Diseases Hospital.

Measles.

Cases of Measles occurred in small numbers in the early part of the year, but increased to epidemic form in the last half of the year. Notifications to the number of 245 were recorded. There was no death from this disease.

Whooping Cough.

There were 66 notifications of Whooping Cough. One case, a boy aged 3 years, died after removal to Hospital.

Chickenpox.

There were 208 notifications of Chickenpox during the year. The greatest number occurred in the first half of the year.

Ophthalmia Neonatorum.

Two notifications of Ophthalmia Neonatorum were received. The cases were treated by Dr. Leslie Fraser, and the eye conditions cleared up.

CANCER.

The number of deaths from Cancer was 48, four less than in the previous year.

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>
30—40 years	—	1	1
40—50 years	6	2	8
50—60 years	4	2	6
60—70 years	7	7	14
70—80 years	7	5	12
80—90 years	3	4	7
	—	—	—
	27	21	48
	—	—	—

LOCALISATION OF DISEASE IN CANCER DEATHS.

	<i>M.</i>	<i>F.</i>	<i>Total.</i>
Cancer of Mouth and Oesophagus	4	—	4
Cancer of Uterus	—	2	2
Cancer of Stomach	8	2	10
Cancer of the Breast	—	7	7
Cancer of all other sites	15	10	25
	—	—	—
	27	21	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	—		
Diphtheria ...	—	1	—	—	—	7	3	—	—	—	—	—	4	—	4	2	3	5	1	2		
Scarlet Fever	—	—	—	2	5	—	—	—	1	—	—	—	—	—	—	—	—	—	1	19		
Enteric Fever	—	—	—	—	—	—	—	—	8	—	—	—	—	—	3	—	1	—	2	8		
Puerperal Pyrexia ..	—	—	—	1	—	—	—	—	—	—	—	1	1	—	—	—	—	—	1	2		
Cerebro-spinal Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Pulmonary	—	—	—	—	—	—	—	—	—	—	—	—	2	4	5	2	7	9	11	40		
Tuberculosis	—	—	—	—	—	5	4	1	17	7	6	—	—	—	—	—	—	—	—	17		
Non-pulmonary	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2		
Tuberculosis	10	18	12	13	1	2	2	2	3	2	3	—	9	6	4	1	2	4	5	16		
Chickenpox	—	—	—	—	—	96	15	2	2	—	2	4	—	—	45	14	17	87	30	208		
Erysipelas ...	—	—	—	—	—	—	—	1	1	2	8	4	3	—	1	—	3	4	5	16		
Ophthalmia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Neonatorum	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	2		
Pneumonia ..	1	—	2	—	—	—	—	—	2	—	2	1	1	2	—	2	1	2	—	8		
Dysentery	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Whooping Cough ..	4	11	10	21	8	12	—	—	—	—	—	—	5	2	18	4	6	22	9	66		
Measles ...	10	34	42	30	45	82	1	—	—	—	1	—	12	24	38	13	34	102	22	245		
Acute	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Polioencephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Acute Encephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Lethargica ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

Tuberculosis.

Deaths from all forms of Tuberculosis were as follows:—

Age Periods.	New Cases.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1
1—5	1	...	1
5—10	3	2	4
10—15	2	1	1
15—20	...	2	...	2
20—25	2	4	1	2	1	2
25—35	7	4	...	2	2	3
35—45	6	2	1	1	...
45—55	2	2	2	...	4	1
55—65	...	1	1	...	1	1
65 & over.	1
Total	22	18	10	6	10	8	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	...	3	5	5	1	18
Non-Pulmonary Tuberculosis	...	1	1

The following table shows the number of Tuberculosis cases on the Register at December 31st, 1948:—

PULMONARY.			NON-PULMONARY.			Total Cases on Register.
Males.	Females	Total	Males	Females	Total	
68	40	108	27	32	59	167

SANATORIUM TREATMENT.

	In Insti- tutions 1st. Jan. 1948.	Admit- ted.	Dis- charged	Died.	In Insti- tutions 31st Dec. 1948.
Pulmonary Cases—					
Adult Males ...	8	7	4	1	10
Adult Females ..	4	9	4	2	7
Children ...	6	1	4	...	3
Non-Pulmonary Cases					
Adult Males
Adult Females
Children
TOTAL ...	18	17	12	3	20

SANITARY INSPECTION OF THE AREA.

ANNUAL REPORT OF THE SANITARY INSPECTOR

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 1948 year, also the number of notices served and the various items dealt with:—

General Inspections	1539
Inquiries re Infectious Diseases, Disinfection of Premises, etc.	125
Testing drains	355
Cinemas	53
Social Clubs and Hotels	84
Schools	129
Factories	435
Bakehouses	151
Offensive Trades	92
Stables and Piggeries	96
Rat Infested Premises	156
Verminous Premises	162
Knacker's Yard	69
Houses Let in Lodgings	121
Fish and Chip Shops	214
Shops Visited re Shops Act	62
Food and Drugs Act	151
Shops Visited re Meat and other Foods	423
Market Stalls and Carts	57
Cowsheds and Dairies	270
Ice Cream	284
Caravans	96
Interviews with Owners, Tradesmen, etc.	411
Revisits	2319
Samples of Milk for Bacteriological Examination						93

NOTICES SERVED.

Informal Notices	453
Statutory Notices	63

At the end of the year 71 informal notices remained to be dealt with.

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

Dangerous premises	9
Choked Sewers or Street Gullies	11
Waste or Poor Pressure of Water, Defective						
Stop Taps, etc.	11
Removal of Refuse, etc.	6
Repairs to Corporation Property	19

SUMMARY OF WORKS EXECUTED.

DRAINAGE, ETC.:—

Drains relaid	27
Cleansed or repaired	62
New gullies	29
Cleared by vacuum pump free of cost to owner						55
New sinks fixed	24
Waste pipes renewed or fixed	19
Ventilation pipe renewed	2

WATER CLOSETS:—

Repaired or cleansed	32
Cisterns repaired or renewed	65
Service pipes repaired	44
New basins fixed	96
Flush pipes renewed	3
Leaking joints repaired	29
Seats repaired or renewed	14
Doors repaired or renewed	11
Floors repaired or renewed	4
Cleansed or limewashed	6
New traps fixed	3
Roofs	31
Soilpipes	9
Plasterwork	11
Walls	24

HOUSES :—

Roofs repaired	93
Chimneys repaired	23
Spouts cleansed or repaired	92
Window frames repaired or renewed	31
Sashcords renewed	19
Ceilings repaired or renewed	27
Exterior walls remedied of dampness	37
Interior walls remedied of dampness	75
Wall plaster remedied	27
Kitchen ranges repaired	27
Insufficient water supply	59
Floors repaired or renewed	27
Yard walls repaired or renewed	15
Doors repaired or renewed	15
Steps renewed	3
Staircases repaired	4
Yard surfaces renewed	9
Wash boilers renewed	21
Caravans removed	17
Animals or refuse removed	24

VERMINOUS PREMISES.

Owing to the presence of vermin (bugs, fleas, etc.) 104 houses were disinfected by this Department. The number of Council houses found infested by bugs was 27; other houses 13.

The disinfestation methods employed are the same as outlined in a previous report. All fluids used have D.D.T. incorporated.

. FACTORIES ACT, 1937.

Number on Register	232
Inspections made	586
Notices given	42
Prosecutions	Nil
Outworkers	2

Classification of Defects :—

Want of cleanliness	17
Overcrowding	2
Unreasonable temperature	Nil
Inadequate ventilation	3
Ineffective drainage of floors	Nil
Sanitary Conveniences :—					
(a) insufficient	2
(b) unsuitable or defective	15
(c) not separate for sexes	3
Fire Escapes	4

INSPECTION OF FOODSTUFFS.

A regular inspection has been made of all premises where food is prepared, stored or sold. The following foodstuffs were found unfit for human consumption :—

Beef (74lbs.)	Sugar (2 ozs.)
Bacon (10 $\frac{3}{4}$ lbs.)	Chocolate (163lbs.)
Ham (89lbs.)	Toffees (35lbs.)
Black Puddings (28lbs.)	Prunes (30lbs.)
Cod Fillet (14 stones)	Walnuts (36lbs.)
Haddock (3 stones)	Treacle Puddings (3 tins)
Lemon Sole (8 stones)	Jam or Marmalade
Halibut (2 stones)	(96 tins)
Plaice (24 stones)	Macedoines (2 tins)
Dried Egg (1lb.)	Beetroot (16 tins)
Tomatoes (500lbs.)	Carrots (19 tins)
Sausage Meal (1 cwt.)	Stringless Beans (1 tin)
Self-Raising Flour (57lbs.)	Sheep Tongues (1 tin)
Custard Powder (2 $\frac{1}{4}$ lbs.)	Ox Tongue (4 tins)
Semolina (24lbs.)	Sausages (4 tins)
Sponge Mixture (20lbs.)	Corned Beef (1 tin)
Barley Flakes (69lbs.)	Stewed Steak (13 tins)
Corn Flakes (31lbs.)	Pork (18 tins)
Wheat Flakes (4lbs.)	Meat and Vegetables
Pearl Barley (72lbs.)	(7 tins)
Shredded Wheat (14lbs.)	Veal & Ham Loaf (7 tins)
Rusks (2 $\frac{1}{2}$ lbs.)	Veal Loaf (10 tins)
Plum Puddings (24lbs.)	Bacon (5 tins)
Cheese (2 $\frac{1}{4}$ lbs.)	Meat Lunch (21 tins)
Malted Milk Tablets	Milk (765 tins)
(6 $\frac{1}{2}$ oz.)	Soup (130 tins)
Tea (13lbs.)	Pickles (19 jars)

Olives (4 jars)	Red Cabbage (2 tins)
Corn on the Cob (1 tin)	Mixed Vegetables (72 tins)
Grape Fruit (22 tins)	Spaghetti (14 tins)
Strawberries (2 tins)	Turnips (1 tin)
Blackberries (8 tins)	Parsnips (13 tins)
Pineapples (4 tins)	Beans (87 tins)
Dates (56 Boxes)	Potatoes (47 tins)
Pears (5 tins)	Meat and Fish Pastes
Plums (183 tins)	(73 tins/jars)
Fruit Cocktail (37 tins)	Minced Beef Loaf (10 tins)
Peaches (14 tins)	Lobster (2 tins)
Grapefruit Juice (4 tins)	Crayfish (1 tin)
Orange Juice (5 tins)	Pilchards (13 tins)
Apples (6 tins)	Snoek (1 tin)
Cherries (1 tin)	Salmon (52 tins)
Apricots (9 tins)	Mussels (17 tins)
Grapes (7 tins)	Cockles (1 tin)
Oranges (12 tins)	Sardines (22 tins)
Rhubarb (3 tins)	Herrings (1 tin)
Tomato Juice (11 tins)	Crab (1 tin)
Tomatoes (39 tins)	Silver Hake (2 tins)
Spinach (1 tin)	Pate-de-fois (5 tins)
Peas (180 tins)	

The approximate weight of foodstuffs condemned was 2½ tons.

In all cases Certificates were issued under the Food and Drugs Act, 1938, to the respective vendors, and as far as possible Ministry of Food Circular M.F. 3/4 has been followed regarding salvage of unsound foods.

(Signed) RICHARD JAMES,
Chief Sanitary Inspector.

REGISTRAR-GENERAL'S TABLE OF DEATHS IN WORKINGTON AREA, 1948.

	Males.	Females
Typhoid and Paratyphoid Fever	—	—
Cerebro-Spinal Fever	1	—
Scarlet Fever	—	—

Whooping Cough	1	—
Diphtheria	—	—
T.B. of Respiratory System	10	8
Other Forms of Tuberculosis	2	—
Syphilitic Diseases	—	—
Influenza	1	—
Measles	—	—
Ac. Polio-myelitis and Polio- encephalitis	—	—
Acute Infantile Encephalitis	—	—
Cancer of Buccal Cavity and Oesophagus	4	—
Cancer of Uterus	—	2
Cancer of Stomach and Duodenum	8	2
Cancer of Breast	—	7
Cancer of all other sites	15	10
Diabetes	—	1
Inter-cranial vascular lesions	19	13
Heart Diseases	50	37
Other Diseases of Circulatory System ...	4	2
Bronchitis	5	11
Pneumonia	5	4
Other Respiratory Diseases	2	2
Ulcer of Stomach or Duodenum	2	1
Diarrhoea (under 2 years)	2	—
Appendicitis	2	4
Other Digestive Diseases	3	5
Nephritis	2	—
Puerperal and Post-abortion Sepsis	—	—
Other Maternal Causes	—	—
Premature Birth	5	1
Congenital Malformation :		
Birth Injury—Infant Diseases ...	3	1
Suicide	2	1
Road Traffic Accidents	—	—
Other Violent Causes	8	—
All other Diseases	21	21
	<hr/> 178	<hr/> 133
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