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BOROUGH OF WORKINGTON.



ANNUAL REPORT

OF THE

Medical Officer of Health,

For the Year 1946

BY

ROBERT W. MACPHERSON

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

Medical Officer of Health.



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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.
JOHN ASKEW	Dental Officer—Maternity and Child Welfare (part-time).
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.
GEORGE ELLIOTT	Chief Clerk—Granted Leave of Absence.
Mrs. M. ROBINSON	Clerk—Acting Chief Clerk.
Miss M. KINSELLA	Junior Clerk.
Miss M. TIERNEY	Junior 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.

1945-46.

Alderman L. CASSON (Chairman).

THE MAYOR (Alderman J. Gilmore).

Alderman D. J. MASON.

„ S. WALKER.

Councillor H. R. CLUCAS.

„ J. R. DAVIS.

„ A. J. HUNTER.

„ Mrs. B. O. McKEATING.

„ Mrs. M. A. SMITH.

„ W. G. TAYLOR.

„ D. VICKERS.

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,

August, 1947.

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

Mr. Chairman, Ladies and Gentlemen,

I beg to submit my Annual Report for the year 1946.

The report has been prepared in accordance with the instructions of the Ministry of Health, contained in Circular 28/46, dated 11th February, 1946.

The Vital Statistics for the year are favourable. The Birth Rate of 20.05% shows a considerable increase compared with the figure of 16.76% in 1945. The General Death Rate of 12.4% is less, but the Infantile Mortality Rate of 57.8% is higher than in the previous year. This increase in the Infantile Mortality Rate is due to a larger number of infants dying from chest conditions (such as pneumonia and prematurity).

Generally speaking the incidence of infectious diseases was slight. With the exception of Whooping Cough, which accounted for two deaths, there were no deaths from Scarlet Fever, Diphtheria, Measles or Typhoid Fever.

The housing problem is serious. Although new houses are being built in an effort to overcome the shortage there are a large number of houses which were passable some years ago, but are now deteriorating into the condemned class. This is due to the shortage of building materials and labour to carry out repairs and general maintenance. Due to the great demand for new houses and the inability to give reasonable attention to existing dwellings it would appear that the housing problem is going to be with us for many years to come.

There were no deaths from Puerperal Causes.

In reference to Dental Treatment for expectant women, there has been a change in the scheme. Uninsured expectant women requiring dental treatment are now referred to their own local dental practitioners, in-

stead of going to the School Clinic. Dental practitioners carry out the necessary treatment at agreed Insurance Rates, the cost of which is borne by the Local Authority. It is noticeable that since this alteration has been made a larger number of expectant women are taking advantage of dental treatment under this scheme.

In the near future there will be changes in the Corporation's Health Service, due to the National Health Service Act, 1946. It appears that under this Act the responsibility for Maternity and Child Welfare, Ambulance Service and Immunisation will pass from the Corporation of Workington to the County Council.

In conclusion, I wish to record the help I have received and the efficient manner in which the Staff of the Health Department have carried out their duties.

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	20.05	12.4	57.8
Area (in acres)			5,641
Population (R.G.'s Estimate, 1946)			27,580

VITAL STATISTICS.

Births.

	Total.	Males.	Females.
Live Births	553	302	251
Legitimate	514	282	232
Illegitimate	39	20	19

Birth Rate per 1,000 of Estimated Population = 20.05

Still Births.

	Total.	Males.	Females.
Legitimate	28	15	13
Illegitimate	1	1	—
	—	—	—
	29	16	13
	—	—	—

Deaths.

	Total.	Males.	Females.
Deaths	343	181	162

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	57.8
Legitimate Infants per 1,000	
Legitimate Live Births	52.4
Illegitimate Infants per 1,000	
Illegitimate Live Births	76.9
Deaths from Cancer (all ages)	36
Measles (all ages)	Nil
Whooping Cough (all ages)	2
Diarrhoea (under 2 years of age)	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	1	1	2
Diphtheria
Influenza
Convulsions...
Laryngitis
Bronchitis	1	1
Pneumonia	3	1	4	1	4	...	1	10
Diarrhoea
Enteritis
Gastritis	1	1
Suffocation, overlaying Atrophy, Debility and Marasmus	1	1	2	1	3
Congenital Malformations	1	1	2	1	1	4
Premature Birth	5	1	6	6
Other Causes	2	2	1	2	5
TOTALS	9	2	3	2	16	4	6	1	5	32

DEATHS OF RESIDENTS IN AGE GROUPS.

	Under 1 Year	1-5	5-15	15-25	25-45	45-65	65 and over	Total
Males	23	5	2	3	13	51	84	181
Females	9	4	3	6	13	35	92	162
Total	32	9	5	9	26	86	176	343

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	10	6	25
Heart Disease ...	15	18	11	4	1	...	49
Cancer ...	9	6	4	1	20
Bronchitis ...	4	3	2	9
Pneumonia ...	6	2	1	9
Senility ...	1	5	11	25	6	6	54
Suicide	1	1	2
Other Violence
Nephritis ...	2	...	1	3
Tuberculosis
Diabetes
Influenza
Other Defined Diseases ...	3	2	5
TOTAL ...	49	47	37	30	7	6	176

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Cumberland Pathological and Bacteriological Laboratory, Carlisle.

Blood for Typhoid	1
Sputa for Tuberculosis	39
Swabs for Diphtheria	54
Swabs for C.S.F.	Nil
Fluid for C.S.F.	Nil
Urine Examinations	2
Miscellaneous	1
	<hr/>
	97
	<hr/>

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 ...	14	13	22	16	23	14	10	20	27	27	29	28
Nursing Visits ...	379	167	350	357	338	380	259	173	397	460	616	667
Ante-Natal Visits	200	174	176	249	145	141	147	177	232	219	373	142

Total Number of Cases	243
Total Number of Nursing Visits	4,543
Total Number of Ante-Natal Visits	2,375

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	31	167	176	110	484
2nd Examination	14	39	44	43	140
3rd Examination	1	17	48	2	68
4th Examination	1	3	...	1	5
	47	226	268	156	697

Findings at Examinations.

Normal Cases	391
Abnormal Cases	93
	<hr/> 484 <hr/>

Recommended for Hospital.

(a) On account of home conditions	18
(b) On account of patient's condition	12
Recommended to have a Doctor at confinement	10
Recommended to have a Specialist's opinion	24
Recommended to have X-Ray examination	5
Recommended to have dental treatment	46

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

Vaginal Discharge	4
Haemorrhage	2
Malpresentation	16
Albuminuria and Oedema	19
Contracted Pelvis	16
Heart Conditions	9
Anaemia	1
Varicose Veins	19
Other Conditions	7
	<hr/> 93 <hr/>

Dental Treatment of Expectant Women.

The number of expectant women who were recommended to have dental treatment was 46, 23 of whom actually received treatment.

Post Natal.

	Place of Examination.				Total
	At Home	Dr's Surgery	Clinic	Infirmary	
1st Examination	127	7	3	170	307
2nd Examination	24	12	36
	151	19	3	170	343

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 1946 are as follows:—

No. of cases admitted 327

No. of cases delivered by:—

(a) Midwives 191

(b) Doctors and Midwives 100

(c) Caesarean Section 16

Average duration of stay in hospital 10/14 days

Medical help sought by Midwives 72

No. of children wholly breast fed whilst
in Maternity Ward 260

No. of Maternal Deaths 1

No. of Infants dying within 10 days	
of birth	3
No. of cases notified as Puerperal Pyrexia ..	2
No. of cases notified as Puerperal Fever ...	2

Thirty-eight women were admitted to the Maternity Ward under the scheme of reduced charge and the contributions were as follows:—

Admitted Free	1
5/- per week	—
7/6 per week	—
10/- per week	1
15/- per week	6
21/- per week	16
22/- per week	14
	—
	38
	—

Health Visitors.

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

A.—Visits paid to Infants under 1 year :	
First Visits	553
Total Visits	3,097
B.—Visits paid to Children between 1-5 years :	5,554
C.—Expectant Mothers :	
First Visits	12
Total Visits	12

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

	Milk Foods.	Malt Foods.	Total.
Free Issues	—	222	222
Sales;	22	1,435	1,457
	—	—	—
	22	1,657	1,679
	—	—	—

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	553
No. of Still Births Notified	29

582

Births Notified by :—

(a) Midwives	453
(b) Doctors	2
(c) Doctors and Midwives	27

582

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, 1946	28
No. of cases removed from Register :—	
(a) Deformity corrected	9
(b) Left District	4
(c) Transferred to School List	5
(d) Fatal	—
	18
No. of new cases ascertained	26
No. of cases on Register on the 31st December, 1946	36

Of the 36 cases on the Register the causes of crippling conditions were due to :—

Injury at Birth	2
Rickets	10
Congenital Defects	3
Talipes	14
Other Defects	6
Slight Paralysis	1
	—
	36
	—

THE CARE OF PREMATURE INFANTS AND OF ILLEGITIMATE CHILDREN.

Premature Births.

Special care is given to premature births, by midwives and health visitors, and all possible steps are carried out for their care, as suggested in the Ministry of Health Circular 20/44 of the 22nd March, 1944.

In some cases, premature infants born in the Maternity Ward of the Workington Infirmary have remained in the Infirmary for a longer period than the usual 10/14 days. In one or two cases where premature births have taken place at home, the babies have been admitted to the Maternity Ward for care and treatment.

The number of premature infants notified during the year was 18.

Illegitimate Children.

Health Visitors keep a special register of all illegitimate children, 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 30 illegitimate children born during the year.

INFESTATION BY HEAD LICE IN CHILDREN UNDER FIVE YEARS OF AGE.

During the year 13 families comprising 17 children were reported. As the result of home visits by the Health Visitor, and treatment carried out, 11 children were cleansed and 6 much improved. The latter number are still being given attention by the Health Visitor.

AMBULANCE SERVICE.

During the year the ambulance carried 268 patients and made 251 journeys, covering 10,946 miles.

Ambulance Journeys:—

Carlisle	110
Cockermouth	2
Maryport	1
Whitehaven	54
Workington	78

Special Journeys:—

Calder Bridge	1
Newcastle	2
Sheffield	1
Shotley Bridge	2

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA.

Water.

The two water supplies for the Borough, Crummock and Owsen Fell, have been described in previous reports, and the quality of the water is controlled by chemical and bacteriological examination.

The following are the results of samples of water taken during the year:—

Crummock Water.

Analysis of Sample of Water from Tap at "Gleneden,"
10, Ashfield Lane, Workington—30/5/46.

Agar Plate.	0.1 ml.	1 ml.	10 ml.
Count.	colonies.	colonies.	colonies.
At 22°C.	—	1	12
At 37°C.	—	3	37

Probable number of coli-aerogenes present in
100 ml.—None.

pH. 6.9.	Parts per 100,000
Free and saline ammonia	0.0018
Albuminoid ammonia	0.0070
Oxygen absorbed from permanganate in 15 mins. at 27°C.	0.016
Oxygen absorbed from permanganate in 4 hours at 27°C.	0.032
Total Solids	1.9
Suspended matter	0.0
Hardness—total	0.7
—permanent	0.7
—temporary	0.0
Chlorine present as chlorides	0.65
Heavy metals (iron)	trace.

Appearance in a 2ft. tube:—Clear, slight brown colour.

Opinion:—A pure and wholesome water.

LESLIE H. EASSON, Chemist.

Owsen Fell Supply.

Analysis of Sample of Water from Tap at
No. 46, Christian Street, Harrington—
30/5/46.

Agar Plate.	0.1 ml.	1 ml.	10 ml.
Count.	colonies.	colonies.	colonies.
At 22°C.	—	—	9
At 37°C.	—	2	24

Probable number of coli-aerogenes present in
100 ml.—None.

pH. 7.1.	Parts per 100,000
Free and saline ammonia	0.0010
Albuminoid ammonia	0.0128
Oxygen absorbed from permanganate in 15 mins. at 27°C.	0.010
Oxygen absorbed from permanganate in 4 hours at 27°C.	0.024
Total solids	2.8
Suspended matter	0.0
Hardness—total	1.3
—permanent	1.3
—temporary	0.0
Chlorine present as chlorides	0.8
Heavy metals	0.00

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

Opinion :—A pure and wholesome water.

LESLIE H. EASSON, Chemist.

During the year 476 lineal yards of 4in. water pipe and 952 lineal yards of 3in. water pipe were laid at Salterbeck Housing Estate.

Drainage and Sewerage.

The following extensions to the sewerage system were carried out during the year :—

Salterbeck Housing Estate :—

186 lineal yards 15in. soil sewer.

238 lineal yards 12in. soil sewer.

409 lineal yards 9in. soil sewer.

644 lineal yards 6in. soil sewer.

274 lineal yards 12in. surface water sewer.

56 lineal yards 9in. surface water sewer.

284 lineal yards 6in. surface water sewer.

Thirty-one street gullies were fixed.

Refuse Collection and Disposal.

The retention of household refuse in boxes, buckets, etc., is deplorable, and the provision of galvanised iron cylindrical dustbins with tight fitting lids should be one objective in the near future.

The Cloffocks Refuse Tip is still far from satisfactory, although fewer complaints of nuisances have been received during the year. Both the Harrington and Cloffocks Refuse Tips have been periodically treated for rats.

Street Gullies.

The cleansing of street gullies does not receive sufficient attention, resulting in insanitary conditions and flooding.

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)	770
(b)	Number of inspections made for this purpose	1745
(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	1
(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	769

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 451

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 14

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

(a) By Owners 14

(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 9

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

(a) By Owners 9

(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 rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit Nil
-

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. Whenever possible, condemned foodstuffs are allocated for animal feeding.

Milk Supply.

The number of Milk Producers in the Borough is 19 and the number of Purveyors is 35. On 6 farms within the Borough Accredited Milk is produced under licence from the County Council. Two purveyors are licensed to retail Pasteurised Milk.

During the year 96 samples of milk were submitted to the Bacteriologist for examination, and 71 were declared satisfactory. Of the 25 unsatisfactory samples 11 failed to pass the *Bacillus Coli* test; 12 the Methylene Blue test; and 2 failed in both tests.

Two samples of pasteurised milk failed to pass the Phosphatase test, being declared insufficiently heat treated.

Two samples of milk upon examination were found to contain tubercle bacilli, and the Divisional Veterinary Officer of the Ministry of Agriculture and Fisheries was notified for appropriate action.

Meat and Other Foods.

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

SECTION F.

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

Scarlet Fever.

There were 17 notifications of cases of scarlet fever, 14 of which were confirmed as suffering from this disease. Eight cases were removed to hospital. Only in exceptional circumstances are cases moved to hospital, such as when the home conditions are unsatisfactory or where skilled nursing attention is required.

The number of cases notified is small compared with the previous year when the number was 60.

The cases were of a mild character and there were no deaths from this disease.

Diphtheria.

The number of cases of diphtheria for the year was 6. Two were adults, three were of school age and one was under 5 years—only one of the cases had been immunised. All the cases were isolated in hospital and there were no deaths from this disease. It is pleasing to report that there has been no deaths from diphtheria for over 2 years.

Immunisation.

The percentage of children under 5 years immunised 23.36% is low. When one considers the amount of work and time put in by the Health Visitors in trying to per-

suade parents to have their young children immunised the results are disappointing. Quite a large number of parents bring their children for the first injection but fail to attend a second time to complete the immunisation. Furthermore, the fact that there has been a small number of cases of diphtheria in the town during recent years appears to cause parents to view the position lightly and to neglect taking advantage of preventive measures.

Cerebro-Spinal Meningitis.

There were three notifications of Cerebro-Spinal Meningitis. One was an adult and two were children. The illness in all cases was severe and two of the cases were fatal.

Typhoid Fever.

One case was notified as suffering from Typhoid Fever. The case was removed to the isolation hospital and after a period of observation was discharged with the diagnosis "not confirmed."

Measles.

There were 158 cases notified, which was about half the number of cases in the previous year. The cases mostly occurred during the months of June, July and August. There were no deaths from this disease.

Whooping Cough.

Sixty-one cases were notified and were fairly evenly distributed throughout the year. Two deaths occurred from this disease—both being children under 1 year.

Ophthalmia Neonatorum.

Three cases were notified during the year. All the cases were referred to the Ophthalmic Surgeon at Carlisle for advice and treatment. After a period of treatment the eye conditions completely cleared up.

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>
30—40 years	1	—	1
40—50 years	1	1	2
50—60 years	4	4	8
60—70 years	6	8	14
70—80 years	6	3	9
80—90 years	1	1	2
	—	—	—
Total ...	19	17	36
	—	—	—

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 and Duodenum	2	3	5
Cancer of Breast	—	2	2
Cancer of all other sites	13	10	23
	—	—	—
	19	17	36
	—	—	—

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 ...	—	—	—	—	—	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	1	...
1—5	1	...	2
5—10	1	1	...	2
10—15	2	2	2	3	...	1
15—20	1	2	1
20—25	3	3	1	..	1	2
25—35	4	4	1	..	3	2
35—45	3	1	2	1
45—55	4	2	3	1	...	1
55—65	2	1	1	1
65 & over.	1
Total	22	16	7	5	10	9	1	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	2	3	4	3	3	3	1	19
Non-Pulmonary Tuberculosis	2	2

The following table shows the number of Tuberculosis cases on the Register at December 31st, 1946 :—

PULMONARY.			NON-PULMONARY.			Total Cases on Register.
Males.	Females	Total	Males	Females	Total	
94	66	160	35	48	83	243

SANATORIUM TREATMENT.

	In Insti- tutions 1st. Jan. 1946.	Admit- ted.	Dis- charged	Died.	In Insti- tutions 31st Dec. 1946.
Pulmonary Cases—					
Adult Males ...	4	11	7	...	8
Adult Females ...	2	12	10	...	4
Children ...	1	6	1	...	6
Non-Pulmonary Cases					
Adult Males
Adult Females
Children
TOTAL ...	7	29	18	...	18

SANITARY INSPECTION OF THE AREA.

ANNUAL REPORT OF THE SANITARY INSPECTOR FOR THE YEAR 1946.

*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 1946, also the number of notices served and the various items dealt with:—

General Inspections	1,745
Inquiries re Infectious Diseases, Disinfection of Premises, etc.	152
Testing Drains	234
Cinemas	42
Social Clubs and Hotels	27
Schools	56
Factories	271
Bakehouses	72
Offensive Trades	47
Stables and Piggeries	43
Rat Infested Premises	107
Verminous Premises	63
Knacker's Yard	47
Houses Let in Lodgings	16
Fish and Chip Shops	57
Shops Visited re Shops Act	63
Food and Drugs Act	105
Shops Visited re Meat and other Foods	212
Market Stalls and Carts	17
Cowsheds and Dairies	138
Ice Cream	41
Caravans	55
Interviews with Owners, Tradesmen, etc.	311
Revisits	902
Samples of Milk taken for Bacteriological Examination	96

NOTICES SERVED.

Informal Notices	770
Statutory Notices	24

At the end of the year 295 informal notices remained to be dealt with.

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

Choked Sewers of Street Gullies	15
Waste or Poor Pressure of Water, Defective Stop Taps, etc.	11

SUMMARY OF WORKS EXECUTED.

DRAINAGE, ETC.:—

Drains relaid	22
Cleansed or repaired	46
New gullies	24
Cleared by vacuum pump free of cost to owner					69
New sinks fixed	2
Waste pipes renewed or fixed	7

WATER CLOSETS:—

Repaired or cleansed	21
Cisterns repaired or renewed	72
Service pipes repaired	411
New basins fixed	24
Flush pipes renewed	3
Leaking joints repaired	19
Seats repaired or renewed	16
Doors repaired or renewed	21
Floors repaired or renewed	4
Cleansed or limewashed	19
New traps fixed	7

HOUSES:—

Roofs repaired	31
Chimneys repaired	2

Spouts cleansed or renewed	37
Window frames repaired or renewed	11
Sashcords renewed	7
Ceilings repaired or renewed	22
Exterior walls remedied of dampness	5
Interior walls remedied of dampness	17
Wall plaster remedied	24
Kitchen ranges repaired	14
Insufficient water supply	21
Floors repaired or renewed	10

VERMINOUS PREMISES.

Owing to the presence of vermin (bugs, fleas, etc.) 63 houses were disinfested by this Department. The number of Council houses found infested by bugs was 2; other houses 46.

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	237
Inspections made	343
Notices given	27
Prosecutions	Nil
Outworkers	Nil
<i>Classification of Defects.</i>					
Want of cleanliness	9
Overcrowding	2
Unreasonable temperature	—
Inadequate ventilation	2
Ineffective drainage of floors	—
Sanitary Conveniences:					
(a) insufficient	2
(b) unsuitable or defective	14
(c) not separate for sexes	1
Other offences	2

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 :—

Fish (59 $\frac{3}{4}$ stones).	Rice (3 $\frac{1}{2}$ stones).
Meat (41 stones).	Suet (6 packets).
Bacon (5 $\frac{1}{2}$ stones).	Sponge Mixture (12 packets).
Sausage Meat (12lbs.).	Cereals (12 packets).
Cabbages (500 stones).	Jam (52 tins).
Bananas (294lbs.).	Meat (222 tins).
Plums (250lbs.).	Fish (140 tins).
Dates (70lbs.).	Soup (96 tins).
Crumpets (229lbs.).	Vegetables (246 tins).
Dried Fruit (55lbs.).	Fruit (270 tins).
Potato Cakes (361 $\frac{1}{4}$ lbs.).	Milk (604 tins).
Confectionery (78 $\frac{1}{2}$ lbs.).	Pickles (6 bottles).

(Signed) RICHARD JAMES,

Chief Sanitary Inspector.

REGISTRAR-GENERAL'S TABLE OF DEATHS IN
WORKINGTON AREA, 1946.

	Males.	Females.
Typhoid and Paratyphoid Fever	—	—
Cerebro-Spinal Fever	2	—
Scarlet Fever	—	—
Whooping Cough	1	1
Diphtheria	—	—
T.B. of Respiratory System	10	9
Other Forms of Tuberculosis	1	1
Syphilitic Diseases	1	—
Influenza	3	3
Measles	—	—
Acute Polio-myelitis and Polio-encephalitis	—	—
Acute Infantile Encephalitis	—	—
Cancer of Buccal Cavity and Oesophagus	4	—
Cancer of Uterus	—	2
Cancer of Stomach of Duodenum	2	3

Cancer of Breast	—	2
Cancer of all other sites	13	10
Diabetes	1	4
Intra-cranial Vascular Lesions	17	21
Heart Disease	47	40
Other Diseases of Circulatory System ...	2	2
Bronchitis	7	8
Pneumonia	9	8
Other Respiratory Diseases	3	1
Ulcer of Stomach or Duodenum	5	—
Diarrhoea under 2 years	2	—
Appendicitis	—	—
Other Digestive Disturbances	4	2
Nephritis	5	6
Puerperal and Post-Abortive Sepsis	—	—
Other Maternal Causes	—	2
Premature Birth	5	2
Congenital Malformation :		
Birth Injury—Infant Diseases ...	6	4
Suicide	1	2
Road Traffic Accidents	—	—
Other Violent Causes	8	3
All other Diseases	22	26
	<hr/>	<hr/>
	181	162
	<hr/>	<hr/>
	343	
	<hr/>	



