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# Annual Report

ON THE

# HEALTH

OF THE

## Whitby Urban District

FOR THE YEAR 1917.

BY

W. E. F. TINLEY, M.D., M.R.C.S.

WHITBY :

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1918.

# PROCEEDINGS

1910

OF THE

AMERICAN

ASSOCIATION

FOR THE ADVANCEMENT OF SCIENCE

1910

# ANNUAL REPORT

OF THE

## Medical Officer of Health for the Urban District of Whitby for the Year 1917.

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*To the Chairman and Members of the  
Whitby Urban District Council.*

Gentlemen,

I have the honour to present to you my Seventeenth Annual Report on the Health of the District. At the request of the Local Government Board this is as short as possible, and deals only in Statistics which may be useful for future reference. No new work of an extensive kind has been undertaken. The work has been done by Dr. Burton, the Deputy Medical Officer of Health, and your Inspector, Mr. Graham.

My previous Reports have been under the following headings :—

- 1.—**Vital Statistics**, including an account of the Births, Deaths, Population, and Infectious Diseases.
- 2.—**Sanitary Work of the Year**, and action taken during the year with regard to Milk and Food.
- 3.—**Meteorological Observations**, kindly supplied by Mr. Woodhouse Parkinson.
- 4.—**Work done in the Isolation Hospital.**
- 5.—**Work done under the Housing and Town Planning Act, 1909.**
- 6.—**Work done under the Factories and Workshops Act, 1901.**

7.—Inspector's Report.

8.—Veterinary Inspector's Report.

9.—Report of the Health Nurse.

I propose this year to report only under 1, 2, 3, 4, 7, and 9.

### 1.—VITAL STATISTICS.

The Population of the Town is approximately 11,139.

1. **Births.**—The number of births is, I am sorry to say, very low indeed, and the birth rate works out at 13.7 per 1000 only.

A. The following table gives the number of births for the last five years:—

1917	...	153		1915	...	223		1913	...	249
1916	...	194		1914	...	260				

B.—The following is the number of births for each quarter:

			1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total				
Whitby	Boys	...	23	...	14	...	8	...	11	...	56
	Girls	...	9	...	14	...	10	...	13	...	46
Ruswarp	Boys	...	4	...	5	...	2	...	6	...	17
	Girls	...	4	...	5	...	6	...	11	...	26
Helredale	Boys	...	2	...	2	...	1	...	1	...	6
	Girls	...	2	...	0	...	0	...	0	...	2
			44		40		27		42		153

C.—The following gives the birth rate for the quarters:—

1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	
3.9	3.59	2.4	3.7	per 1000.

D.—For the year the birth rate of the District is 13.7 per 1000.

E.—The number of illegitimate births is as follows:—

			1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total				
Whitby	Boys	...	1	...	1	...	1	...	0	...	3
	Girls	...	2	...	0	...	0	...	1	...	3
Ruswarp	Boys	...	0	...	0	...	0	...	0	...	0
	Girls	...	0	...	0	...	0	...	0	...	0
Helredale...	Boys	...	0	...	0	...	0	...	0	...	0
	Girls	...	0	...	0	...	0	...	0	...	0
			3		1		1		1		6

F.—This gives an illegitimate birth rate of 3.9 per cent. for the year.

**Notification of Births.**—As you know, I have been very keen on the appointment of a Health Visitor to carry out the work in connection with these notifications, and in my last report I ventured to hope that her influence would tend to reduce the infantile mortality; whether it is owing to this or not I am not prepared to say, but the fact stands out that the infantile figures are more favourable than they were.

I understand that the Nurse is being very well received and that her influence is distinctly good.

2. **Deaths.**—The number of Deaths for the year is 162, to which have to be added the deaths of 11 people belonging to this district who have died away from home—one of them being a case of cerebrospinal fever. There were 3 deaths of strangers on whom coroner's inquests were held and who were either washed up by the sea or were directly killed by enemy attacks. I am excluding all these, along with the deaths of strangers in Public Institutions, from my numbers in estimating my Death Rate—deducting in all 18.

The Gross Death Rate amounts to 15.5 per thousand and corrected it is 13.8 per thousand for the year.

58 persons reached the age of 70, 24 attained to 80 years or more, and 5 lived to over 90 years of age.

21 deaths occurred in the Union Workhouse, 8 in the Cottage Hospital, and 3 in the Convent Nursing Home.

A. The following table gives the Causes of Death in the various quarters:—

	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
Laryngismus Stridulus ..	1	0	0	0	1
Bronchitis ...	6	3	1	2	12
Pneumonia ...	2	1	0	0	3
Atelectasis ...	1	0	0	0	1
Asthma ...	0	0	1	1	2
Acute Laryngitis ...	0	0	1	0	1
Convulsions ...	1	4	0	1	6
Hemiplegia ...	2	2	0	1	5
Apoplexy ...	2	2	0	2	6
Meningitis ...	1	0	0	0	1
Epilepsy ...	1	0	0	0	1
Cerebral Softening ...	0	1	0	0	1
Cerebral Thrombosis ...	0	0	2	5	7
Melancholia ...	0	0	0	1	1

## Causes of Death (continued)—

	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
Nephritis ... ..	2	3	0	1	6
Papilloma of Bladder	1	0	0	0	1
Enlarged Prostate...	1	1	0	2	4
Stricture of Urethra	0	1	0	0	1
Gastric Ulcer ... ..	1	0	0	0	1
Cirrhosis of Liver	0	1	0	0	1
Appendicitis ... ..	0	0	1	2	3
Gall Stones ... ..	0	0	0	1	1
Cardiac Disease ... ..	2	3	3	7	15
Addison's Disease	0	0	1	0	1
Nastoid Disease ... ..	0	1	0	0	1
Pernicious Anemia	0	1	0	0	1
Necrosis of Tibia...	0	0	0	1	1
Cancer .. ..	4	6	4	5	19
Senile Decay ... ..	5	4	1	2	12
Diabetes ... ..	2	0	1	0	3
Cellulitis ... ..	0	1	0	0	1
Intrathoracic Growth	0	0	1	0	1
Congenital Debility	0	0	0	1	1
Lupus ... ..	0	0	2	0	2
Pscac Abscess ... ..	0	0	0	1	1
Phthisis Pulmonalis	4	3	4	4	15
Tubercular Meningitis	0	0	1	1	2
General Tuberculosis	0	0	1	0	1
Tubercular Testicle	0	0	1	0	1
Coroner's Inquests—					
Accident ... ..	4	0	2	0	6
Enemy Attacks...	4	0	0	3	7
Natural Causes...	1	2	1	1	5
	48	40	29	45	162

Deaths of persons belonging this District, who have died away from home and whose deaths have to be included in my returns; 4 of these people died in 1916, but the notifications from the Medical Officers of Health did not come to hand till this year.

	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
Previous figures ... ..	48	40	29	45	162
Acute Pharyngitis	0	0	1	0	1
Organic Disease, Brain	1	0	0	0	1
Epilepsy ... ..	1	0	0	0	1
Melancholia ... ..	1	0	0	0	1
Paralysis Agitans...	1	0	0	0	1
Nephritis ... ..	1	0	0	0	1
Pulmonary Tuberculosis...	0	1	0	0	1
Tubercular Meningitis	0	1	0	0	1

## Causes of Death (continued)—

	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
Acute Tuberculosis ...	0	1	0	0	1
Cerebrospinal Fever ...	1	0	0	0	1
Coroner's Inquest— Accident... ..	1	0	0	0	1
	55	43	30	45	173

## B. The Death rate for the quarters is as follows:—

Total	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
... ..	4.9	3.3	2.6	4.03	per 1000

## C. The Ages at which death occurred were as follows:—

	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
Under 1 year ... ..	2	3	0	4	9
Between 1 and 5 years ...	1	2	1	1	5
Between 5 and 15 years	2	1	5	1	9
Between 15 and 25 years	2	1	1	0	4
Between 25 and 65 years	16	11	11	19	57
Over 65 years ... ..	24	22	11	20	77
Unknown ... ..	1	0	0	0	1
	48	40	29	45	162

To these must be added the deaths from away as follows:

	At Home	Away	Total
Under 1 year ... ..	9	0	9
Between 1 and 5 years ...	5	1	6
Between 5 and 15 years	9	0	9
Between 15 and 25 years	4	2	6
Between 25 and 65 years	57	5	62
Over 65 years ... ..	77	3	80
Unknown... ..	1	0	1
	162	11	173

## D. The following gives the Number of Deaths for the last five years for comparison.

1917 ... 162	1915 ... 173	1913 ... 152
1916 ... 167	1914 ... 180	

## E. The next table gives the Number of Males and Females who died during the year:—

	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
Males ... ..	23	19	11	26	79
Females ... ..	25	21	18	19	83

Those from away are as follows :—

	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
Males ... ..	5	2	0	0	7
Females ... ..	2	1	1	0	4

F. The Death-rate for the year is 15.5 per 1000; corrected for persons not belonging to the District who died in Public Institutions or as a result of enemy attack, it is 13.8.

G. The number of deaths from Tubercular diseases is large; 16 from Phthisis Pulmonis and 6 from other Tubercular giving a death rate of 1.43 per 1000 for the former and 1.9 per 1000 for all Tubercular diseases; 3 of the deaths were reported as having occurred away from the District.

H. The death rate for Infectious diseases is NIL if the death of the lady who died away from Cerebrospinal Fever is excluded.

I. Infantile Mortality, i.e., the number of deaths under one year for each 1000 children born, is this year 58.8. I give the figures for the last six years.

1917 ...	58.8		1915 ...	58.2		1913 ...	48.2
1916 ...	72.1		1914 ...	69.0		1912	86.4

**Infectious Diseases Notification.**—I am sorry to say there has been a fairly extensive epidemic of Scarlet Fever, no fewer than 50 notifications having been received. Two cases of Diphtheria have been diagnosed and reported; 5 of Erysipelas; 11 of Tubercular Disease of the Lung, some of which have been sent by the Medical Officers attached to Sanatoria where Whitby patients are received. I have also had 27 cases of Measles notified. There has been no death from Infectious Disease in the town. In connection with the War some notifications have been received from the Dysentery and Enteric Depots of men being sent home; in no case has any infection resulted from the transfer, but I know that every care is taken before these men have furlough.

## 2.—SANITARY WORK FOR THE YEAR.

No new work has been undertaken and the routine of the Sanitary Department is dealt with in the Inspector's Report.

### 3.—METEOROLOGICAL OBSERVATIONS.

By T. WOODHOUSE PARKINSON.

#### *Summary of Bright Sunshine at Whitby for the Year 1917.*

	Hours per Month.	Daily Mean.	Per Cent.
January	17.9	0.58	8
February	53.4	1.89	20
March	120.0	3.87	33
April	113.6	3.80	27
May	177.4	5.71	36
June	195.0	6.50	38
July	172.0	5.55	34
August	117.8	3.81	26
September	153.5	5.13	41
October	133.3	4.29	42
November	55.3	1.83	22
December	38.1	1.23	17
Mean for the year	...	3.68	29
Mean for 1916	...	3.36	27

#### *Rainfall at Whitby.*

Rain Gauge—Diameter of Funnel, 8 inches ; height of top—  
above ground, 1 foot ; above sea level, 125 feet.

Month.	Total Depth. Inches.	Greatest Fall in 24 hours. Inches.	Date.	Number of days with .01 or more recorded.
January...	2.84	0.64	7th	20
February	0.60	0.17	20/21	12
March ...	2.03	0.89	10th	16
April ...	1.83	0.36	1st	17
May ...	1.54	0.36	17th	10
June ...	2.51	0.85	17th	12
July ...	2.13	0.57	29th	11
August *	6.43	0.84	8th	26
September	0.71	0.41	1st	7
October	2.28	0.35	29th	17
November	1.65	0.37	10/20	12
December	1.09	0.24	16th	16
	25.64			176

\* Last August rainfall was 101 mm. plus from average.

#### 4.—WORK DONE IN THE ISOLATION HOSPITAL.

It has been a busy year—77 cases have been nursed, with one death. The cases were made up as follows:—

On January 1st, 1917,	Typhoid.	Scarlet Fever.	Total.
Remained in Hospital ...	2	5	7

During the year 66 cases of Scarlet Fever have been nursed; of this number 19 cases came from the Rural District and 47 from the Urban District. Two cases of Diphtheria from the Urban District; one case of Erysipelas from the same area, have been treated, and one case of Measles from the Rural District.

There has been no case admitted for three weeks, and at the end of the year eleven patients remained under treatment.

A large quantity of military clothing has been disinfected.

Yours faithfully,

W. E. F. TINLEY, M.D.,

Medical Officer of Health.

Whitby Urban District Council.

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# ANNUAL REPORT

OF THE

Council's Sanitary Inspector

AND

Cleansing Superintendent,

**O. E. GRAHAM, M.S.I.A.,**

Cert. Royal Sanitary Inst.,  
Diplomé in Meat Inspection, etc.

FOR THE

**YEAR ENDING DECEMBER 31st, 1917.**

ANNUAL REPORT  
OF THE  
Council's Sanitary Inspector and Cleansing  
Superintendent for the Year 1917.

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Sanitary Inspector's Office,  
Council Offices, Whitby.

*To the Chairman and Members of the  
Whitby Urban District Council.*

Gentlemen,

I have pleasure in presenting to you my Fifth Annual Report as Sanitary Inspector and Cleansing Superintendent for the year ending December 31st, 1917.

It is my endeavour on this occasion to report on the work carried out during the year in as brief a manner as possible.

The work during the year has fallen very heavily on me owing to additional duties which have been allocated to my department under the Food Control Orders.

In April a new department was established under my control, one dealing with the collection and disposal of waste materials, and the result has been a decided success. It should be thoroughly understood that household waste is now a valuable commodity and should not be burnt or thrown away, but should be handed to the dustmen, who in turn deliver same into the Council's store for manipulation. Further reference to this matter will be found on page 16.

**Complaints.**—During the year 31 complaints have been received regarding alleged nuisances, and all received prompt attention.

**Inspections.**—2150 inspections of premises have been made during the year under the Public Health and other Acts; these are summarised as follows :—

### Summary of Inspections.

Bakehouses	...	...	...	11
Complaints investigated	...	...	...	31
Common Lodging Houses	...	...	...	2
Dairies, Cowsheds, and Milkshops	...	...	...	49
Drains Tested	...	...	...	48
Factories and Workshops	...	...	...	30
Markets, Meat, Fish and Fruit Shops	...	...	...	331
Offensive Trades	...	...	...	2
Re-visits to property under notice	...	...	...	198
Re-visits to work in progress	...	...	...	148
Houses Disinfected	...	...	...	81
Public Conveyances Disinfected	...	...	...	1
Schools Disinfected	...	...	...	1
Slaughter-houses Inspected	...	...	...	551
Butchers' Shops	...	...	...	246
Camp Inspections	...	...	...	7
Miscellaneous	...	...	...	827
				<hr/>
Total	...	...	...	2150
				<hr/>

Arising out of these inspections, 149 nuisances were found on 53 premises, and I am pleased to report that all the work has been carried out on representation being made to owner or agent. In all, 100 interviews have taken place during the year.

### Removal of Nuisances Summary.

The following summary gives the number and kind of nuisances dealt with during the year :—

Drains requiring re-construction	...	...	29
Drains requiring connecting with main sewer	...	...	2
Drains not efficiently trapped	...	...	22
Drains requiring ventilating shafts	...	...	4
Defective sink pipes requiring repairing	...	...	5
Defective yard drains	...	...	25
Defective cellar drains	...	...	3
Defective eave and fall pipes	...	...	4
Defective roofings	...	...	1
Defective water closets	...	...	3
Waste pipes requiring disconnecting	...	...	6
Fall pipes requiring disconnecting	...	...	3
To provide sinkstones in houses	...	...	3
Offensive cesspools	...	...	1
Nuisances from stagnant water	...	...	13
Defective yard paving	...	...	1

Offensive accumulations	...	...	...	1
Ashes bins provided	...	...	...	6
Ashpits and closets requiring re-construction				4
Privies altered to Water Closets	...	...	...	2
Houses overcrowded	...	...	...	1
Houses damp	...	...	...	1
Houses requiring water supply	...	...	...	1
Workshops requiring limewashing	...	...	...	2
Cowsheds requiring middensteads	...	...	...	1
Cowsheds requiring Limewashing	...	...	...	2
Cowsheds requiring drainage...	...	...	...	1
Cowsheds requiring lighting	...	...	...	1
Cowsheds requiring paving	...	...	...	1
Cowsheds requiring ventilation	...	...	...	1

**Bakehouses.**—The Bakehouses have been inspected frequently and have been found generally in a clean condition.

**Offensive Trades.**—These premises have been visited periodically. Lime washing and cleansing of the walls had to be enforced on one occasion.

**Factories and Workshops.**—41 visits have been made to these premises. These visits include visits to bakehouses. No nuisance has been found during the year.

**Dairies, Cowsheds and Milkshops.**—There are 20 registered cowkeepers within the district and on the 20 farms are housed 213 Milch Cattle. Bi-annual inspections have been made to these premises and considering the scarcity of farm labour the general sanitary conditions have been found fairly satisfactory.

**Tuberculosis Order.** This order still remains suspended.

**Slaughter Houses.**—The slaughter houses remain the same as last year 10 registered and 2 licensed. These have been reported on in my previous reports and although I could write at length regarding them I do not propose to do so on this occasion.

**Meat Inspection.**—This Branch of my work I consider to be one of the most important I am called upon to perform. Again as usual a regular system of inspection has been maintained and of course diseased conditions have on many occasions been met with.

This is work which calls for a considerable amount of tact and judgment owing to the fact that you are dealing with

private property and when you confiscate you must be in a position to demonstrate the reason for your confiscation.

It must not be understood that butchers are always ready and willing to surrender a carcass for destruction, when found diseased, this is not the case. On one occasion during the year the seizure of a carcass was about to take place when the butcher, after obtaining expert advice, considered discretion the better part of valour and voluntarily surrendered the carcass for destruction.

The total weight of meat and offal condemned as unfit for food during the year was

1 ton., 16 cwts., 1 qr., 7 lbs.

**Fish.**—13 cwts., 2 qrs., of shell fish were destroyed during the year on account of unsoundness.

**Fruit and Vegetables.**—The fruit and vegetables exposed for sale in the town have been found satisfactory.

**Poultry and Rabbits.**—The poultry and rabbits exposed for sale have been found satisfactory. On only one occasion during the year has poultry been destroyed and this was a consignment of 9 Ducks and 20 Chickens which had been delayed in transit by the railway company.

**Scavenging.**—The work of scavenging, a very important duty I am called upon to supervise, has been carried out during the year under very trying conditions.

The work has been disorganised on many occasions owing to the lack of suitable labour though I am pleased to report that the work has not been allowed to accumulate, and the regular collection has been maintained throughout the year.

During the early part of the year a Military Camp to accommodate 800 was established in Upgang Lane, and I was called upon by the Military Authorities to organise a daily collection of the refuse from the latrines and camp generally. I immediately communicated with the Military Authority, and arranged and met them on the site with a view to the water carriage system being adopted. The result was that water closets were installed, and the camp refuse was burnt in an incinerator on the premises. Apart from the direct saving to the Council through the adoption of the water carriage system, it was also possible to maintain a healthy and cleanly sanitary condition at the camp generally.

**Trade Waste Department.**—Coupled with the work of scavenging I have during the year established a new department, one dealing with the collection and disposal of trade waste. This waste includes such materials as waste paper, rags, string, iron, broken glass, etc. The total revenue derived from waste materials collected and disposed of during the year ending March 31st, 1918, was £195 17s. od.

Seeing that there are two other firms in the town collecting similar waste materials I consider the result very satisfactory indeed.

**Disposal of House Refuse.**—The method of disposal is the same as in previous years—we have to depend on farmers taking the refuse for manurial purposes. The greater portion is deposited on the farms within the district and the remainder is sent into the country by truck.

Collection.—Loads collected during the year 3,319.  
Places emptied 178,781.

Disposal.—Loads deposited on farms within the district 2,936.  
Loads sent out of the district by truck 383.

**Street Sweeping.**—The streets are swept by the Council's staff and the work has been carried out satisfactorily during the year.

**Disinfection.**—81 houses have been disinfected during the year on account of infectious diseases; this is an increase on the number disinfected last year. The increase is due to the large amount of scarlet fever we had in the town during the early part of the year. In addition to room disinfection a considerable quantity of clothing, etc., from the camp and billets in the town has been disinfected in your disinfector at the Isolation Hospital.

**Food and Drugs.**—I am again unable to report any action taken under this Act during the year.

**Petroleum.**—Seven applications were received during the year to store petroleum. The whole of the licenses were granted. The amount of petroleum allowed to be stored in the district under license is 4000 gallons.

In concluding my brief report, I would like to state that I have been well supported by all the workmen of my department, who have rendered every assistance. This help, which

is essential to the well-being of a department, I have greatly appreciated, and I hope that the result of our joint efforts is all that you desire.

I beg to extend my thanks to the Council for the kindness and consideration shown throughout the year.

I am, Gentlemen,

Your obedient servant,

O. E. GRAHAM, M.S.I.A.,

Inspector of Nuisances and Scavenging Superintendent.

## ANNUAL REPORT OF THE HEALTH VISITOR.

---

TO THE CHAIRMAN AND MEMBERS OF THE  
WHITBY URBAN DISTRICT COUNCIL.

Gentlemen,

I have much pleasure in submitting my second annual report, which I think will be more satisfactory than that of last year, as I have had time to get accustomed to the town and people amongst whom I am privileged to work.

During the year 150 births have been notified and visited, 79 were males and 71 females.

Of that number 11 have died ;—3 were still-born, 5 died from congenital debility owing to premature birth, 1 from marasmus, 1 from pneumonia, and 1 from convulsions.

We have now in the town 279 children under two years of age, who are visited with regularity.

I am pleased to report that the antipathy to the Health Visitor has given way in many homes to a welcome, and the mothers in many cases are only too eager to co-operate with me in the bringing up of their children on proper lines. Of course, many still resent my visits, and I have to use all the diplomacy at my disposal to prevent open friction.

One beneficial result of my work is the fact that many more babies are being naturally fed, much healthier children being the result.

The bottle-fed babies are mostly being brought up on cows' milk, which, in my opinion, is next in value to mothers' milk.

During the year I have paid 1,288 visits to the homes of the children under my care, and have endeavoured to give useful advice and help regarding the cleanliness of person and home sanitation, carefulness as to the proper cleansing of feeding bottles, etc.

**Expectant Mothers.**—I have been very pleased at the number who have called me in for advice during the year, and whom I have been able to assist in preparing for the advent of their children in a sensible manner.

**Phthisis.**—At the beginning of the year there were 20 cases on the books; 3 have had sanatoria treatment, 2 have left the town, 10 have died, leaving 8 to whom I am giving attention. 84 visits have been paid in connection with these cases.

**School Work.**—Before concluding my report, I should like to give you a brief outline in connection with the other side of my work as Health Visitor, namely, school visitation and its attendant duties.

I have paid 156 visits to the schools in Whitby and Ruswarp, and during those visits inspected 6,756 children to see that they were sent to school clean in head and body.

I regret to say that 68 of these children had to be excluded, and the parents visited, for verminous conditions while attending school. The head teachers report to me a great improvement in the condition of these children, which encourages me in the work that is far from being easy and pleasant.

**Children's Defects.**—On behalf of the defective school children, namely, enlarged tonsils, defective eyesight, etc., I have paid 325 visits to the homes of these children, and would here like to thank Dr. Baines and Dr. Ross for their kind attention and treatment of these cases.

**Ailing Children.**—304 visits have been paid to these children. They were mostly suffering from the usual ailments of childhood, and in many cases I was able to help the mother with advice and aid.

**In conclusion,** I would like to thank the Chairman and Members of the Council for their continued courtesy and kindness towards me, and for their interest in the health welfare of the town, also to the medical gentlemen and to the officials with whom I come in contact in the course of my work.

I beg to remain, Gentlemen,  
Yours faithfully,

ADA AKEROYD,  
Health Visitor and School Nurse.

FOURTH VETERINARY REPORT  
upon the Inspection of Cattle in Dairies for  
the Prevention of Tuberculosis in  
the Milk Supply.

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Bagdale, Whitby,

January 6th, 1918.

*To the Chairman and Members of the  
Whitby Urban District Council.*

Gentlemen,

On two occasions during 1917 I visited along with Mr. Graham, your Sanitary Inspector, the whole of the cowsheds in the district and examined the cattle kept therein for tuberculosis of the udder.

I am pleased to report that no case of tuberculosis was found.

Indurated udders, the result of mastitis, were found on many occasions and the necessary instructions were given.

The total number of cows inspected during the year was 407.

I am, Gentlemen,

Yours faithfully,

K. J. URQUHART, M.R.C.V.S.