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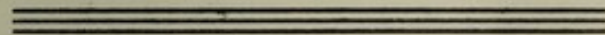


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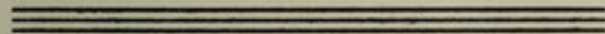
ANNUAL  
HEALTH REPORT

OF THE

Hebburn Urban Sanitary District.



1908.



BY

**A. M. G. WALKER, L.R.C.P. & S.E.,**

MEDICAL OFFICER OF HEALTH

and

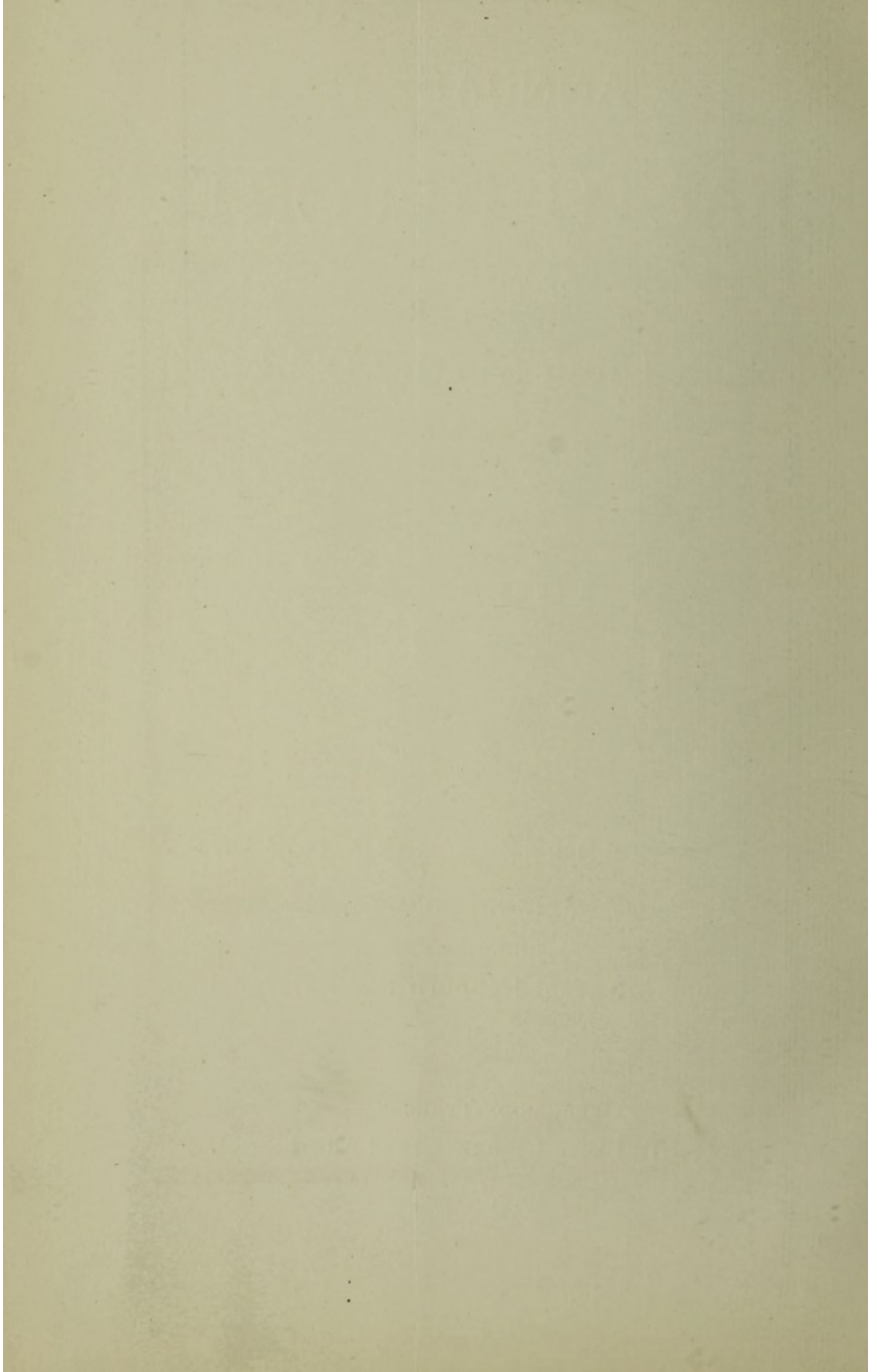
Medical Superintendent Hebburn Fever Hospital.

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1909.



*With Dr. A. M. G. Walker's*

*Compliments.*

THE UNIVERSITY OF CHICAGO

CHICAGO, ILL.

# Urban District Council of Hebburn.

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COUNCILLOR ALEX. CLAYTON, J.P., Chairman.

COUNCILLOR JOHN S. ROY, Vice-Chairman.

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## Sanitary Committee.

COUNCILLOR ATKINSON.

- „ BECK.
  - „ BURT.
  - „ BARRETT.
  - „ CLAYTON.
  - „ FERGUSON.
  - „ HOLMES.
  - „ KELLY, J.P.
  - „ KEENLYSIDE, Chairman.
  - „ LAZENBY.
  - „ MAIN.
  - „ MARR.
  - „ ROY.
  - „ REAY.
  - „ SHARPE.
  - „ TULLOCH.
  - „ TREANOR.
- 
- 

Monthly Meeting of the Council :—Second Monday in each month at 7.30 p.m.

General Purposes Committee :—First Monday in each month at 7 p.m.

# Urban District Council of Hebburn.

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## **Officials.**

<i>Name</i>			<i>Office.</i>
STUART, THOMAS	...	...	Clerk
BROWELL, J.S.	...	...	Accountant
FENTON, H.	...	...	Rate Collector
PATERSON, H.	...	...	Surveyor
WALKER, A. M. G.	...	...	Medical Officer
THOMSON, R	...	...	Inspector of Nusiances
THOMPSON, W.	...	...	Park Superintendent

*To the Chairman and Members fo the  
Hebburn Urban District Council.*

GENTLEMEN,

I have the honour to submit to you my Seventh Annual Report upon the Health and Sanitary Condition of the District for the Year 1908.

From a Statistical point of view the report is most satisfactory.

The Birth Rate was 34·2 per 1,000 per annum, a slight decrease as compared with 1907, which was 35·3 per 1,000 per annum, and equal to that of 1906.

The Death Rate was 13·1 per 1,000 per annum, the lowest Death Rate ever recorded for the district.

The Infantile Mortality Rate is 127·5 per 1,000 births, the lowest Rate ever recorded for the district.

There were 22 deaths from Diarrhoea as compared with 9 for 1907, and 38 for 1906.

The Zymotic Death Rate was 1·74 per 1,000 inhabitants as compared with 1·68 and 2·3 per 1,000 for 1907 and 1906.

There were 126 cases of Infectious Diseases notified, including Pulmonary Tuberculosis (Phthisis) of which 26 were notified, and 59 of the cases were removed to and treated in the Isolation Hospital.

On July 14th, 1908, and subsequent dates Dr. R. T. Reece, one of the Local Government Board's Medical Inspectors visited our district to inquire into and report to the Board on the Sanitary Circumstances of, and administration in, the Hebburn Urban District, with special reference to the Housing accommodation generally.

During the year the District has improved as to its Sanitary condition. Many insanitary back lanes have been re-layed with Tar Macadam, and a few new streets made. Many Ashpits (Midden privies) have been converted into Ash-closets, especially in the Colliery District or East Ward,

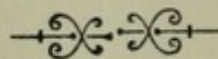
For further information and particulars I have pleasure in referring you to the Report.

I am, Gentlemen,

Your obedient Servant.

A. M. G. WALKER.

*Jan., 1909.*



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# Annual Medical Report.

The Urban District is situated in the Jarrow Sub-District of the South Shields Registration District, in the North-Eastern portion of the County of Durham. The Urban District of Felling adjoins its Southern and the Municipal Borough of Jarrow its Eastern boundary. It is on the right bank of the River Tyne which forms its Northern and Western boundaries.

**GEOLOGY** :—The District is situated on the Boulder Clay overlying the Coal Measures.

**AREA OF THE DISTRICT** ... .. 1354·415 acres

Area of the District (Exclusive of area covered by water)

1193·5 acres

The District is divided into Six Wards ; they are as follows :—

			AREA IN ACRES.		POPULA- TION.
West Ward	...	...	267·596	...	3,512
Central Ward	...	...	38·693	...	3,850
North Ward	...	...	185·560	...	4,246
East Ward	...	...	138·396	...	4,485
Victoria Ward	...	...	289·567	...	2,289
South Ward	...	...	434·603	...	5,193
			<hr/>		<hr/>
Total	...	...	1354·415		23,577
			<hr/>		<hr/>

POPULATION (by Census 1901)	...	...	20,901
„ June 1908	...	...	23,577

It will be noticed that the population for 1908 remains the same as in 1907.

Taking into consideration the marked depression in trade, the number of empty houses, the decrease in Births and Deaths, I cannot think that the population has increased. Certainly the Births over Deaths for the year should make an increase, but this in my opinion has been counter-balanced by families leaving the district.

INDUSTRIES:—Collieries, Ship Yards, Steel & Iron Foundry, Quarry, Electric Engineering, Chemical, Copper, Lead, Aluminium, Cement, Grease, Boiler, Rope, and Sail Works.

There were 32 self-contained and tenement houses built and occupied in the district during the year, 4 being tenement and 28 self-contained—classified according to district there were North Ward 4, Victoria Ward 4, South Ward 24.

The estimated population to the middle of each of the past four years was as follows:—

1905	...	...	23,021
1906	...	...	23,336
1907	...	...	23,577
1908	...	...	23,577

## PART I.

During the year 1908 there were registered 807 Births and 311 Deaths. This represents an excess of births over deaths, or a “Natural Increment” of the population of 496 as compared with 491 in 1907, 439 in 1906, 431 in 1905.

THE RELATION OF BIRTHS AND DEATHS for the past 3 years—

	1906.		1907.		1908.
Births ...	814	...	833	...	807
Deaths ...	375	...	342	...	311

OF THE BIRTHS for 1908, 398 were Males  
409 ,, Females

---

11 more Females than Males.

ILLEGITIMATE BIRTHS for the year, 23: 13 Males and  
10 Females.

OF THE DEATHS for 1908, 161 were Males  
150 ,, Females

---

11 more Males than Females.

BIRTH RATE for 1908 was 34·2 per 1,000 population.

DEATH RATE ,, ,, 13·1 ,, ,,

COMPARISON OF BIRTH RATES:—

England and Wales	26·5	per 1,000 population.
Rural England and Wales	26·2	,, ,,
County of Durham	37·0	,, ,,
<b>Hebburn Urban District</b>	<b>34·2</b>	,, ,,
76 Great Towns	27·0	,, ,,
142 Smaller Towns	26·0	,, ,,

COMPARISON OF DEATH RATES:—

England and Wales	14·7	per 1,000 population.
Rural England and Wales	14·7	,, ,,
County of Durham	17·5	,, ,,
<b>Hebburn Urban District</b>	<b>13·1</b>	,, ,,
76 Great Towns	14·9	,, ,,
142 Smaller Towns	14·0	,, ,,

COMPARISON OF BIRTH AND DEATH RATES per  
1,000 population for Hebburn Urban District:—

	1906.		1907.		1908.
Birth Rates ...	34·8	...	35·3	...	34·2
Death Rates ...	16 0	...	14·5	...	13·1

**Quarterly Mortality and Birth Rates.**

		1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	For the Year.
Hebburn Urban District	Births	9·5	8·7	8·4	7·6	34·2
	Deaths	4·2	3·0	2·9	3·0	13·1

### Mortality in relation to period of Age and Locality.

		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Infants under 5 years.
WEST WARD.	Under 1 year ...	3	3	4	1	0	0	0	2	2	3	1	0	19	
	1 year and under 5	2	0	4	3	1	0	0	1	1	0	0	1	13	32
	5        "        15	0	1	1	0	1	0	1	0	0	0	0	0	4	
	15       "        25	0	0	0	0	1	1	0	0	0	0	1	0	3	
	25       "        65	2	5	5	2	4	1	1	1	4	4	2	0	31	
	65 and over ...	2	1	0	1	1	0	0	0	1	0	0	0	6	44
Total ...		9	10	14	7	8	2	2	4	8	7	4	1		76
CENTRAL WARD.	Under 1 year ...	2	2	3	2	0	0	1	2	2	2	3	1	20	
	1 year and under 5	0	0	1	1	0	0	1	0	2	0	1	1	7	27
	5        "        15	0	0	0	0	1	0	0	0	0	0	0	0	1	
	15       "        25	0	0	0	0	0	1	1	0	0	0	0	0	2	
	25       "        65	2	1	0	1	0	1	2	0	0	1	0	0	8	
	65 and over ...	1	0	0	1	0	0	1	0	0	1	0	0	4	15
Total ...		5	3	4	5	1	2	6	2	4	4	4	2		42
NORTH WARD.	Under 1 year ...	1	1	2	1	2	0	0	3	0	0	5	1	16	
	1 year and under 5	0	0	2	1	1	1	0	0	0	1	0	2	8	24
	5        "        15	0	1	0	1	0	0	0	0	0	0	0	0	2	
	15       "        25	0	1	0	0	0	0	0	0	0	0	0	0	1	
	25       "        65	0	1	3	1	3	1	2	4	0	2	1	0	18	
	65 and over ...	0	0	0	0	0	1	0	1	0	0	0	1	3	24
Total ...		1	4	7	4	6	3	2	8	0	3	6	4		48
EAST WARD.	Under 1 year ...	1	1	2	2	0	0	2	2	5	2	5	0	22	
	1 year and under 5	1	0	2	1	2	1	0	0	1	2	2	2	14	36
	5        "        15	0	1	1	0	0	0	1	0	0	0	0	0	3	
	15       "        25	0	0	0	0	0	0	0	0	0	0	0	0	0	
	25       "        65	0	2	0	3	3	1	2	1	0	2	2	2	18	
	65 and over ...	1	2	1	0	0	4	2	1	0	0	0	0	11	32
Total ...		3	6	6	6	5	6	7	4	6	6	9	4		68
VICTORIA WARD.	Under 1 year ...	0	1	0	2	0	0	1	1	0	0	2	0	7	
	1 year and under 5	0	0	0	0	0	1	0	1	2	1	0	0	5	12
	5        "        15	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15       "        25	0	0	0	0	0	0	0	0	0	0	0	0	0	
	25       "        65	0	1	0	0	1	1	1	1	0	0	0	1	6	
	65 and over ...	0	0	0	0	0	1	0	0	0	0	0	1	2	8
Total ...		0	2	0	2	1	3	2	3	2	1	2	2		20
SOUTH WARD.	Under 1 year ...	2	3	3	1	0	1	0	1	3	3	0	2	19	
	1 year and under 5	1	3	1	3	1	0	0	1	2	0	0	1	13	32
	5        "        15	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15       "        25	1	0	1	1	1	1	1	1	0	0	1	0	8	
	25       "        65	1	4	3	3	0	1	0	3	1	2	4	1	23	
	65 and over ...	4	4	0	0	1	2	0	0	1	1	1	2	16	47
Total ...		9	14	8	8	3	5	1	6	7	6	6	6		79
333															

### Deaths in Relation to Age and Locality.

Ward.	Under 1 year.	1 and under 5 years.	5 and under 15 years	15 and under 25 years	25 and under 65 years	65 years and over.	Total.
West Ward ...	19	13	4	3	31	6	76
Central Ward ...	20	7	1	2	8	4	42
North Ward ...	16	8	2	1	18	3	48
East Ward ...	22	14	3	0	18	11	68
Victoria Ward ...	7	5	0	0	6	2	20
South Ward ...	19	13	0	8	23	16	79
Total ...	103	60	10	14	104	42	333
Death Rate ...	4.4	2.6	0.5	.6	4.4	1.6	14.1

#### ADULT DEATH RATE.

#### INFANT DEATH RATE.

(INFANTS UNDER 5 YEARS.)

1908—7.21 per 1,000 per annum.	6.9 per 1,000 per annum	=14.1
1907—9.17           "           "	6.89           "           "	=16.0
1906—7.6           "           "	6.9           "           "	=14.5

#### Infant Mortality.

The Mortality of Infants under one year measured by the number of deaths per 1,000 born was 127.5 in 1908, as compared with 129.6 in 1907. and 136 in 1906.

There were 103 deaths of infants under one year, the principal causes being Diarrhœa, Pneumonia, Premature Birth, Marasmus and Bronchitis.

Diseases aggravated by insanitary surroundings, overcrowding, improper feeding, and undue exposure of infants by negligent, ignorant and careless mothers.

It is of the utmost importance that you should carefully consider the question of the adoption of the Notification of Births Act, 1907, and the early appointment of a Female Health Visitor.

A qualified female health Visitor would educate young mothers how to feed and manage their children, also encourage them to keep their homes sanitary and free from overcrowding.

This in my opinion is the only way in which I can expect the Infantile Mortality in our district to gradually decrease.

#### Comparison of Infantile Mortality Rates.

England and Wales	...	...	121 per 1,000 births.
Rural England and Wales	...	...	110    "    "
Administrative County of Durham	...	...	151    "    "
<b>Hebburn Urban District</b>	...	...	<b>127·5</b> "    "
76 Great Towns	...	...	128    "    "
142 Smaller Towns	...	...	124    "    "

#### Zymotic Diseases.

The deaths from the chief Zymotic Diseases were 42 in 1908, as compared with 40 in 1907, and 55 in 1906.

#### Comparison of Zymotic Death Rate.

England and Wales	...	...	1·29 per 1,000 population.
Rural England and Wales	...	...	0·99    "    "
Administrative County of Durham	...	...	2·70    "    "
<b>Hebburn Urban District</b>	...	...	<b>1·74</b> "    "
76 Great Towns	...	...	1·59    "    "
142 Smaller Towns	...	...	1·26    "    "

**Table of Zymotic Rates for 1908, 1907, and 1906.**

Zymotic Diseases.	Total No. of Deaths for			Annual Rate 1908. Hebburn.	Zymotic Rate, 1908 Administ'ive Coun. of Dur.		Engla'd & Wales	Rural E. & W.	larger towns	smaller towns
	1908.	1907.	1906.		Per 1000 population.	Per 1000 population.				
Small-Pox .. ..	0	0	0	Nil.	Nil.					
Measles .. ..	1	18	2	'04 ..	0'27	Per 1000 population.	7 Chief Epidemic Diseases.	7 Chief Epidemic Diseases.	7 Chief Epidemic Diseases.	7 Chief Epidemic Diseases.
Scarletina .. ..	2	1	2	'08 ..	0'07					
Whooping Cough ..	13	2	9	'54 ..	0'53					
Diphtheria & M.Croup	3	6	2	'12 ..	0'18					
Enteric Fever ..	1	4	2	'04 ..	0'18					
Diarrhœa .. ..	22	9	38	'92 ..	1'44					
TOTAL .. ..	42	40	55	1'74 ..	2'70					

**Measles.**

There was 1 death from Measles during 1908, as compared with 18 deaths in 1907, and 2 deaths in 1906, it occurred in the East Ward.

**Scarlet Fever.**

There were 2 deaths from this disease out of a total of 50 cases notified, as compared with 1 death out of a total of 84 cases notified in 1907, and 2 deaths out of a total of 163 cases notified in 1906.

Classified according to locality they occurred as follows:—

	Cases Notified.	Deaths.
West Ward ..	2	0
Central ,, ..	2	0
North ,, ..	19	2
East ,, ..	17	0
Victoria ,, ..	4	0
South ,, ..	6	0
Totals ..	50	2

The disease was more or less prevalent during the year. In the North and East Wards it was most prevalent. As compared with previous years it is most favourable.

There was no special incidence of the disease occurring in particular schools, or being due to a certain Milk supply; it was sporadic and occurred evenly during the year, there was no month that the district was entirely free from it.

The Zymotic Death Rate was 0·08 per 1,000 population, as compared with 0·04 in 1907, and 0·08 in 1906.

### Whooping Cough.

There were 13 deaths from this disease in 1908, as compared with 2 deaths in 1907, and 9 deaths in 1906—they were all under 5 years of age. Classified according to locality they occurred: 2 each in the West and Central Wards, 1 in the Victoria, and 8 in the South Ward.

### Diphtheria and Membranous Croup.

There were 3 deaths from Diphtheria as compared with 6 deaths in 1907 and 2 deaths in 1906. Classified according to locality they occurred as follows:—

	Cases Notified.		Deaths.	
West Ward	...	2	...	0
Central „	...	3	...	1
North „	...	4	...	0
East „	...	7	...	0
Victoria „	...	5	...	2
South „	...	2	...	0
		—		—
Totals	...	23	...	3

The Zymotic Death Rate per 1,000 population was 0·12 as compared with 0·25 in 1907 and 0·08 in 1906.

### Enteric Fever.

There was one death from this disease as compared with 4 deaths in 1907 and 2 deaths in 1906. Classified according to locality they occurred as follows :—

	Cases Notified.		Deaths.	
West Ward	...	1	...	1
Central „	...	1	...	0
North „	...	1	...	0
East „	...	1	...	0
Victoria „	...	0	...	0
South „	...	4	...	0
Totals	...	8	...	1

The Zymotic Death Rate per 1,000 population was 0·04 as compared with 0·16 in 1907 and 0·08 in 1906.

### Diarrhœa and Enteritis.

There were 22 deaths from Diarrhœa, 15 were under 1 year and 7 between 1 to 5 years of age, as compared with 9 deaths in 1907 and 38 in 1906. Classified according to locality they occurred as follows :—

West Ward	...	...	7
Central „	...	...	2
North „	...	...	3
East „	...	...	7
Victoria „	...	...	0
South „	...	...	3
Total	...	...	22

The Zymotic Death Rate per 1,000 population was 0·92, as compared with 0·38 in 1907 and 1·6 in 1906.

There were 8 deaths due to Enteritis: 6 under 5 years of age; these occurred as follows:—West Ward 5, North Ward 1, and East Ward 2.

As will be noticed there is an increase of deaths from Diarrhœa as compared with 1907, and a decrease as compared with 1906. During the year Diarrhœa was more prevalent in the West and East Wards.

In 1908 as in previous years the Registrar of Births gave a leaflet to every mother attending his office—the leaflet contained instructions upon the rearing and feeding of infants—and during the months when Diarrhœa was prevalent I had posters fixed round the district and hand-bills distributed from door to door giving instructions to Parents upon the Feeding and Management of Children.

The causes of Infectious or Zymotic Diarrhœa are,—Improper feeding, unsanitary surroundings, and over-crowding.

In my annual report last year I gave a copy of the contents of the leaflet and advised you to consider the adoption of the Notification of Births Act, 1907, etc., etc.

### **Epidemic Influenza.**

There was 1 death from this disease as compared with 4 deaths in 1907 and 2 in 1906: it occurred in the West Ward.

### **Erysipelas.**

There were no deaths from this disease as compared with 2 deaths in 1907 and 3 in 1906. Cases notified 18, as follows:—

West Ward	...	...	2
Central „	...	...	1
North „	...	...	3
East „	...	...	7
Victoria „	...	...	2
South „	...	...	3
			—
Total	...	...	18

### Puerperal Fever.

There was 1 death from this disease as compared with 1 in 1907, it occurred in the East Ward. The Mid-wife's Act is certainly doing much to lessen the deaths from this disease.

### Small Pox.

None.

### Typhus Fever.

None.

### Non-Zymotic Diseases.

#### Phthisis (Pulmonary Tuberculosis).

There were 21 deaths from this disease as compared with 23 in 1907 and 28 in 1906. Classified according to locality they occurred as follows:—

(VOLUNTARY.)

	Cases Notified.	Deaths.
West Ward	5	4
Central „	6	3
North „	4	3
East „	2	3
Victoria „	0	0
South „	9	8
Totals	26	21

Phthisis represents 6·3 per cent of the total number of deaths for the year and a Death Rate of 89 per 1,000 population.

The Voluntary Notification of Phthisis has been in operation in our district since March, 1903.

The Council contribute £75 per annum to the Stanhope Sanatorium for the use of one bed. During the year there have been several cases admitted for treatment.

The Public Health (Tuberculosis) Regulations 1908, comes into force on January 1st, 1909, and will assist us in preventing and detecting cases of Pulmonary Tuberculosis

The Open Air Treatment is the only cure for early cases of Pulmonary Tuberculosis. The treatment is expensive for poor deserving cases, and I sincerely hope the day is not far distant when it will be as easy to get into a Sanatorium as it is to get into an Infirmary or Infectious Disease Hospital.

Every case notified is supplied with printed instructions and disinfectants.

### Other Tubercular Diseases.

There were 10 deaths from Other Tubercular Diseases as compared with 21 deaths in 1907 and 12 in 1906. Classified according to locality they occurred as follows:—

West Ward	...	...	3
Central „	...	...	2
North „	...	...	2
East „	...	...	1
Victoria „	...	...	0
South „	...	...	2
			—
Total	...	...	10

This disease represents .3 per cent. of the total number of deaths, and .4 death rate per 1,000 population.

### Bronchitis.

There were 16 deaths from this disease as compared with 42 in 1907 and 24 in 1906. Classified according to locality they occurred as follows:—

West Ward	...	...	1
Central „	...	...	2
North „	...	...	4
East „	...	...	3
Victoria „	...	...	1
South „	...	...	5
			—
Total	...	...	16

### Pneumonia.

There were 45 deaths from this disease as compared with 43 in 1907 and 45 in 1906. Classified according to locality they occurred as follows:—

West Ward	...	...	9
Central „	...	...	7
North „	...	...	6
East „	...	...	7
Victoria „	...	...	7
South „	...	...	10
			—
Total	...	...	45

17 deaths occurred under 1 year; 13 between 1 and 5 years and 15 between 5 and 65 years.

It will be noticed that 30 of the deaths due to this disease occurred in children under five years; the causes being improper feeding, want of sufficient warm clothing, and undue exposure.

### Cancer (Malignant Disease.)

There were 12 deaths from this disease as compared with 8 in 1907 and 9 in 1906.

### Premature Birth.

There were 16 deaths from this disease as compared with 20 deaths in 1907 and 8 in 1906. Classified according to locality they occurred as follows:—

West Ward	...	...	1
Central „	...	...	4
North „	...	...	1
East „	...	...	8
Victoria „	...	...	1
South „	...	...	1
			—
Total	...	...	16

### Heart Disease.

There were 36 deaths from this disease as compared with 38 in 1907 and 50 in 1906. Classified according to locality they occurred as follows:—

West Ward	...	...	10
Central „	...	...	2
North „	...	...	4
East „	...	...	10
Victoria „	...	...	0
South „	...	...	10
			—
Total	...	...	36

### Alcoholism and Cirrhosis of the Liver.

There was 1 death from this disease as compared with none in 1907 and 3 in 1906.

### Diseases and Accidents of Parturition.

There were 2 deaths from this disease as compared with 4 deaths in 1907 and 4 in 1906.

### Accidents.

There were 12 deaths from accidents as compared with 10 in 1907 and 16 in 1906. They occurred as follows:—

West Ward	...	...	4
Central „	...	...	1
North „	...	...	2
East „	...	...	4
Victoria „	...	...	0
South „	...	...	1
			—
Total	...	...	12

### Suicides.

There were no deaths from Suicides as compared with 3 in 1907 and none in 1906.

### All Other Causes.

There were 110 deaths from all other causes as compared with 110 in 1907 and 137 in 1906. Classified according to locality they occurred :—

West Ward	...	...	22
Central „	...	...	19
North „	...	...	16
East „	...	...	25
Victoria „	...	...	6
South „	...	...	22
			<hr/>
Total	...	...	110

### Uncertified Deaths.

There were 10 uncertified deaths, various causes given :—Heart Disease, Debility, Premature Birth, and Convulsions—as compared with 9 in 1907 and 11 in 1906.

### Inquests

Inquests were held inquiring into 19 deaths, and various causes returned. Natural Causes 2, Chronic Alcoholism 1, Scalds and Burns 6, Accident 8, Heart Disease 2, as compared with 15 and 25 in 1907 and 1906.

### Deaths occurring outside the District of Persons belonging thereto.

There were 24; 23 occurring in Harton Workhouse and 1 in Sedgefield (County Lunatic Asylum), as compared with 33 in 1907 and 28 in 1906.

**Deaths occurring inside the District of Persons not  
belonging to the same.**

There were 2, 1 belonging to Tyne Dock and the other to London.

**Corrected Death Rate.**

There were 311 registered deaths for the District; subtract 2 not belonging to the same and add 24 that occurred outside but belong to the district and we get 333 Deaths, which gives the corrected Death Rate of 14·1 per 1,000 population.

**Table I.**

VITAL STATISTICS OF WHOLE DISTRICT DURING 1908  
AND PREVIOUS YEARS.

Year.	Population estimated to middle of each year.	Births.		Total Deaths registered in the District.				Total Deaths in Public Institutions in the District	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	Nett deaths at all ages belonging to the District.	
		Number.	Rate.*	Under 1 year of age.		At all ages.					Number.	Rate.*
				Number	Rate per 1,000 Births registered	Number.	Rate.*					
1898	19728	718	36.3	110	153.2	307	15.5	2	0	21	328	16.6
1899	20154	738	36.6	130	177.5	365	18.1	...	0	17	382	18.9
1900	20581	748	36.3	124	165.7	401	19.4	...	0	18	419	20.3
1901	21007	805	38.3	139	172.6	364	17.3	13	0	14	378	17.9
1902	21433	855	39.8	119	139.1	358	16.7	7	1	22	379	17.6
1903	22040	805	36.5	117	145.3	350	15.8	3	0	24	374	16.9
1904	22310	772	34.5	126	147.6	373	16.7	1	0	14	388	17.3
1905	23021	765	33.2	106	130.8	334	14.5	7	1	11	334	14.5
1906	23336	814	34.8	111	136.3	375	16.0	11	1	28	402	17.1
1907	23577	833	35.3	108	129.6	342	14.5	6	0	33	375	15.9
Average for years 1898-1907.	21718	785	36.1	119	149.7	356	16.4	5	3	20	375	17.3
1908	23577	807	34.2	103	127.5	311	13.1	10	2	24	333	14.1

\* Rates calculated per 1000 of estimated population.

Area of District in acres (exclusive of area covered by water) 1193.5  
 Total population at all ages ... .. 20,901  
 Number of inhabited houses ... .. 4,253 } At Census  
 Average number of persons per house ... .. 4.91 } of 1901.

I.—Institutions within the District receiving sick and infirm persons from outside the District.—None.

II.—Institutions outside the District receiving sick and infirm persons from the District.—(1) Royal Victoria Infirmary, Newcastle-on-Tyne; (2) Harton Workhouse; (3) County Lunatic Asylum, Sedgfield.

III.—Other Institutions, the deaths in which have been distributed among the several localities in the District.—Hebburn Hall Infirmary.

Union Workhouse NOT within the District.

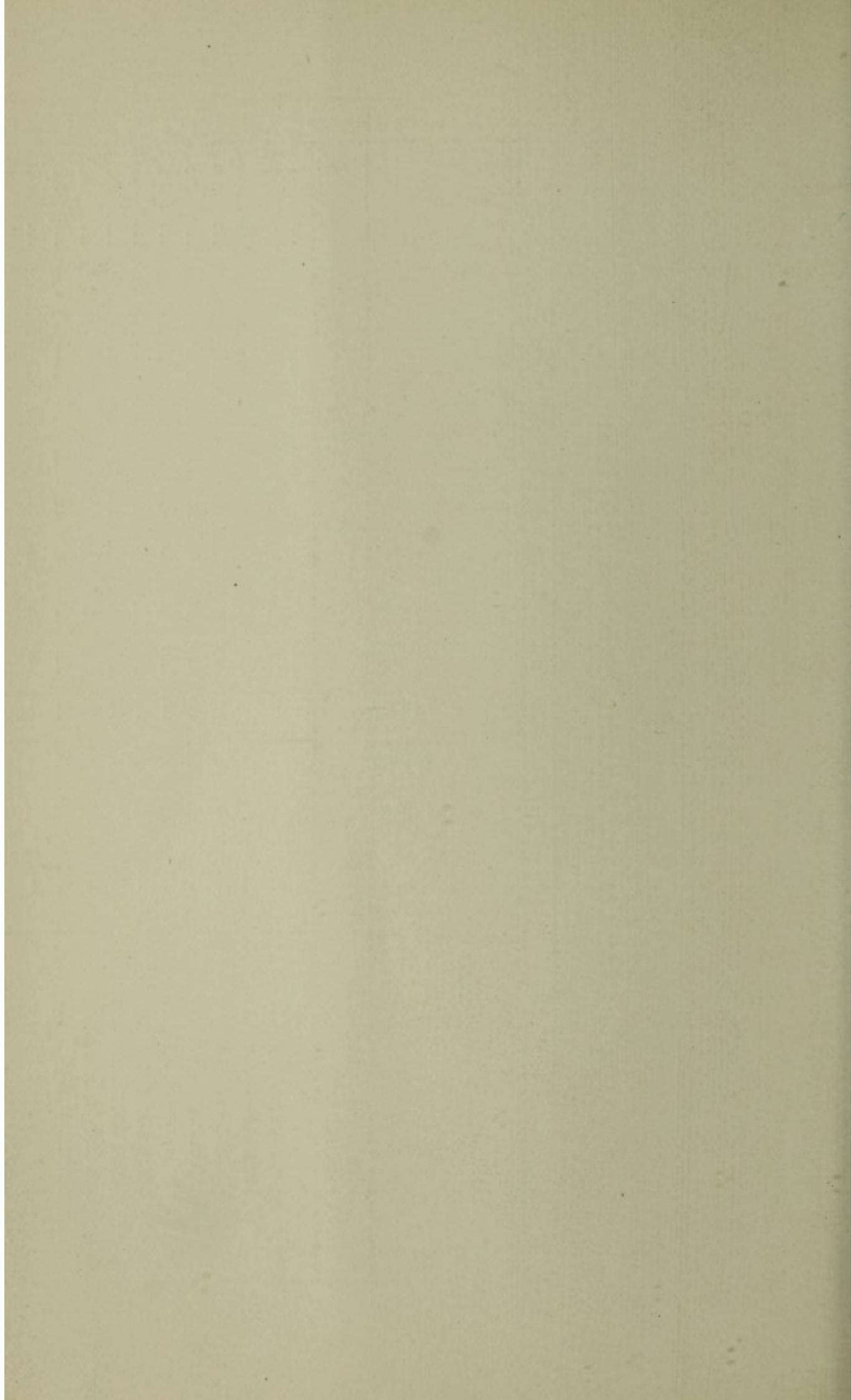
**Table II.**—VITAL STATISTICS OF SEPARATE LOCALITIES IN 1908 AND PREVIOUS YEARS.

Year.	WHOLE DISTRICT.				West Ward.			Central Ward			North Ward			East Ward			Victoria Ward			South Ward								
	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered.	Deaths at all ages.	Deaths under 1 year				
1898																												
1899																												
1900																												
1901																												
1902																												
1903	*																											
1904																												
1905																												
1906																												
1907	23577	833	375	108	3512	124	77	26	3850	137	59	18	4247	133	52	14	4485	178	75	18	2289	91	27	11	5193	170	85	21
Average of Years 1898-1907.																												
1908	23577	807	333	103	3512	120	76	19	3850	130	42	20	4247	130	48	16	4485	172	68	22	2289	89	20	7	5193	166	79	19

\* Unable to supply. District during 1907 divided into Wards.







**Table V.**

INFANTILE MORTALITY DURING THE YEAR 1908.

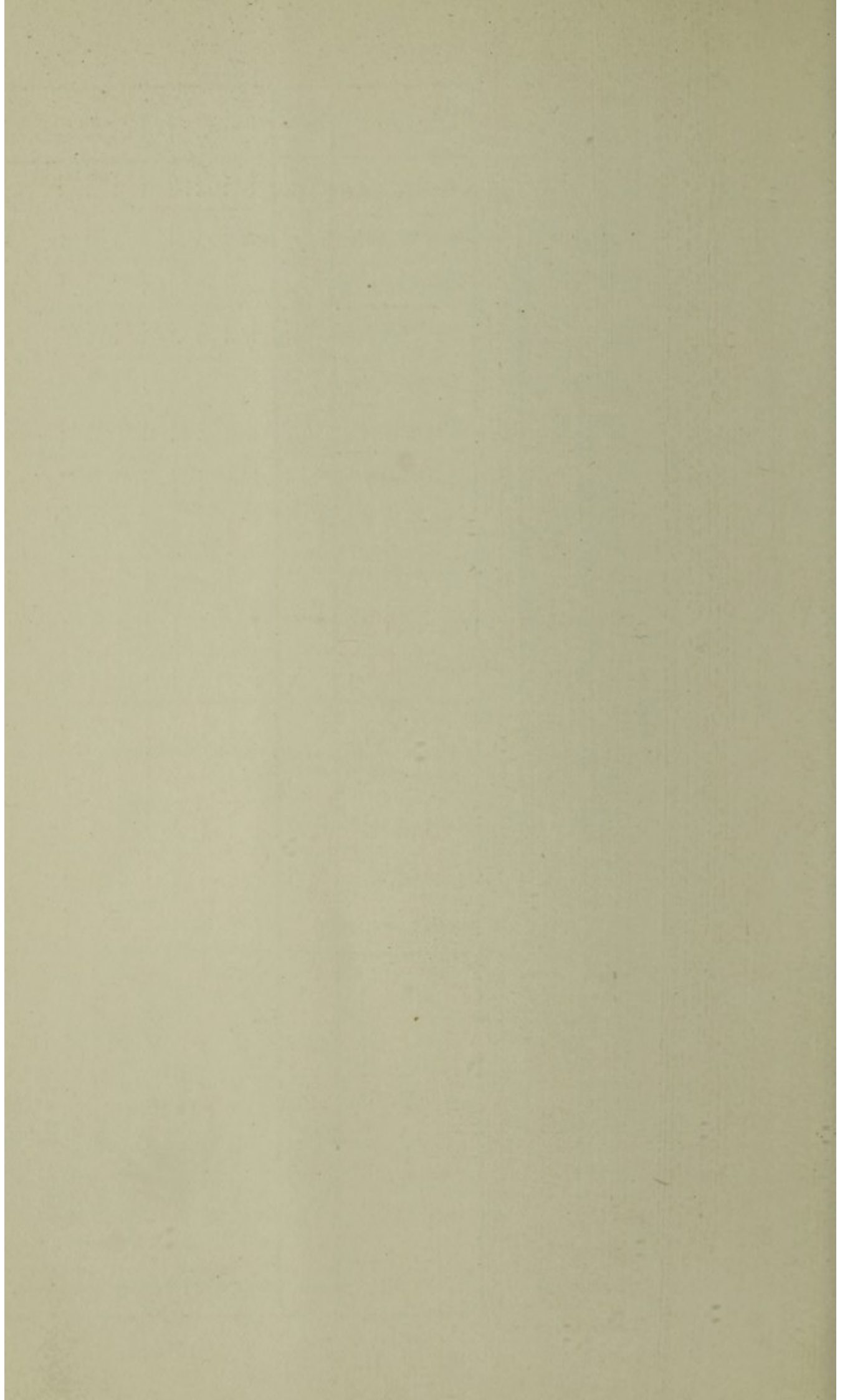
Deaths from stated Causes in Weeks and Months under One Year of Age.

Cause of Death.	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year
	21	7	10	4	42	3	4	3	6	6	5	9	5	6	5	4	98
Certified ...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	5
Uncertified ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria: Croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea, all forms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis, not Tuberculous ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastritis, Gastro-intestinal Catarrh ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Defects ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Want of Breast-milk ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, Marasmus ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Peritonitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tabes Mesenterica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis, not Tuberculous ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlaying ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other causes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	23	7	10	4	44	3	6	4	6	6	5	9	5	6	5	4	103

Births in the Year { Legitimate ... 784

{ Illegitimate ... 23

Deaths from all causes at all ages ... 333



## PART II.

**Prevalence of Infectious Diseases and Measures taken  
for Arresting their Spread.**

There were 126 cases notified (see Table III.) including 26 cases of Phthisis as compared with 163 cases notified in 1907 and 239 notified in 1906.

Of the 126 cases notified 59 were removed to and treated in the Isolation Hospital (See Table III.). This represents 47 per cent. of the total number notified as compared with 57.6 per cent. in 1907 and 56.9 in 1906.

**Quarterly Notifications.**

1st Quarter.			
Scarlet	...	...	11
Diphtheria	...	...	11
Erysipelas	...	...	8
Enteric	...	...	0
Phthisis	...	...	8—38
2nd Quarter.			
Scarlet	...	...	13
Diphtheria	...	...	4
Erysipelas	...	...	2
Enteric	...	...	4
Phthisis	...	...	9—32
3rd Quarter.			
Scarlet	...	...	13
Diphtheria	...	...	3
Erysipelas	...	...	4
Enteric	...	...	2
Phthisis	...	...	6—28

## 4th Quarter.

Scarlet	...	...	13
Diphtheria	...	...	5
Erysipelas	...	...	4
Enteric	...	...	2
Phthisis	...	...	3
Puerperal	...	...	1—28
			<hr/>
Total	...	...	126

See Table III. for list of cases notified and cases removed to Hospital

Every case notified was visited by the Sanitary Inspector and when necessary by myself. The premises were carefully inspected as to their Sanitary Condition, and when deemed necessary the drains were tested by the smoke test.

Disinfectants and Printed Instructions were supplied to every case. The disinfectants used were Izal, Eukotas, Thymo-Creolin Fluid and Powder, Carbohc Acid, Chloride of Lime, Formalin Solution, Solution Hydrary, Iodide and Sulphur Cakes.

During the Isolation period the houses were periodically visited to see that every precaution was taken and the directions as given on the printed instructions fully carried out.

Non-Notifiable diseases were frequently supplied with disinfectants.

Inhabitants applying at the Health Department were given disinfectants after satisfying the Sanitary Inspector that such was necessary.

The School-Board Officials as in previous years willingly assisted the Health Department in investigating suspicious cases, and any suspicious cases or insanitary houses are at once reported by them.

The disinfecting of premises, bedding, etc., as in previous years is carried out thoroughly and to my entire satisfaction.

### Scarlet Fever.

During the year 50 cases of this disease were notified, as compared with 84 cases notified in 1907 and 163 cases notified in 1906. Classified according to locality they occurred as follows:—

West Ward	...	...	2
Central ,,	...	...	2
North ,,	...	...	19
East ,,	...	...	17
Victoria ,,	...	...	4
South ,,	...	...	6
			—
Total	...	...	50

Of the 50 cases notified 42 cases were removed to and treated in the Isolation Hospital.

There were 2 deaths from this disease during the year.

As will be noticed from the above, there were fewer cases of Scarlet Fever as in previous years, the greatest number occurred in the North and East Wards.

As to the cause of this disease I could trace no infection through the milk supplies in the district. Contact Carriers in my opinion being the cause of the various out-breaks which occurred evenly throughout the year.

### Enteric Fever.

There were 8 cases of this disease notified as compared with 13 cases notified in 1907 and 14 cases in 1906. Classified according to locality they occurred as follows:—

West Ward	...	...	1
Central „	...	...	1
North „	...	...	1
East „	...	...	1
Victoria „	...	...	0
South „	...	...	4
			—
Total	...	...	8

Of the 8 cases notified 3 were removed to and treated in the Isolation Hospital.

There was 1 death from this disease, it occurred in the West Ward.

As to the cause of this disease, insanitary premises and defective drains were generally found upon inspection.

### Diphtheria.

There were 23 cases of this disease notified during the year as compared with 13 cases notified in 1907 and 11 cases in 1906. Classified according to locality they occurred as follows :—

West Ward	...	...	2
Central „	...	...	3
North „	...	...	4
East „	...	...	7
Victoria „	...	...	5
South „	...	...	2
			—
Total	...	...	23

Of the 23 cases notified 14 were removed to and treated in the Isolation Hospital.

There were 3 deaths during the year, 1 in the Central and 2 in the Victoria Ward.

As to the cause of this disease I could trace nothing in the milk or water supplies. The cases occurred fairly evenly throughout the year and were scattered from each other; of a Sporadic

nature and in my opinion caused by insanitary dwellings, defective drains, over-crowding, etc.

### **Puerperal Fever.**

There was 1 case of this disease notified, it occurred in the East Ward. Upon investigation I found the case had been attended by a Mid-wife. Poverty and filth were the cause of the disease. There were no deaths during the year.

### **Erysipelas.**

There were 18 cases of this disease notified as compared with 25 cases notified in 1907 and 31 cases in 1906. Classified according to locality they occurred as follows :—

West Ward	...	...	2
Central „	...	...	1
North „	...	...	3
East „	...	...	7
Victoria „	...	...	2
South „	...	...	3
Total	...	...	18

There were no deaths due to this disease.

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### **District Fever Hospital.**

The Total Expenditure for the Year ending 31st December, 1908, was £991 2s. 6d., as compared with £1,100 11s. 8d. in 1907.

There were 59 cases removed to and treated in the Hospital during the year—they were Scarlet Fever 42 cases, Diphtheria 14 cases, Enteric 3 cases.

There were 4 deaths in the Hospital—Scarlet Fever 2, Diphtheria 2.

The Hospital at present is in good working order and well staffed, everything being in readiness in case of an epidemic occurring.]

My requirements for the Hospital remain the same as I have previously reported in my annual reports with one exception, and that is I think it would be advisable for you as a Council to retain the Small-Pox Premises. At times there is over-crowding in the Wards, and this could be easily avoided by having the Small-Pox Building removed into the enclosed grounds and used when necessary.

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## PART III.

### **General Sanitation.**

Much good work has been done during the year by the Council Employees under the supervision of the Surveyor (Mr. Paterson). The district has been kept well cleaned and the drains and sewers flushed periodically. Many back lanes and streets have been relaid with Tar macadam, a decided improvement upon the old fashioned cobble stone paving, and they are certainly more sanitary and easier kept clean.

During the year there were 328 informal notices and 40 formal notices served to abate nuisances.

Concerning improvements that would be beneficial to the district I cannot suggest more than I did in my last years report, and which suggestions have been freely commented upon by the Local Government Board's Medical Officer, Dr. Reece. It rests entirely with you as my Council to act, and I sincerely hope that next year I will have the pleasure of reporting the steps taken towards the removal of insanitary defects, over-crowding, etc., that at present are to be found when inspecting the district.

### Sanitary Condition of the Public Elementary Schools.

The Sanitary arrangements of the Schools are fairly satisfactory. There remains much to be done before they can be called thoroughly up-to-date. There have been several sanitary defects remedied during the year, and I understand there are more to be done.

### Scavenging.

The Scavenging of the District has been carried on most satisfactorily during the year ; there were no difficulties concerning getting the refuse to sea, or obtaining waggons at the colliery.

The early completion of the Quay and the purchasing of Hoppers, or the erection of a refuse destructor is what is required.

### Ash-closets, Ash-pits, and Water-closets.

	Ash-closets	Ash-pits.	Water-closets.	Total.
WEST WARD ... ..	519	11	36	566
CENTRAL WARD ... ..	701	4	18	723
NORTH WARD ... ..	751	3	2	756
EAST WARD ... ..	676	117	6	799
VICTORIA WARD ... ..	517	2	52	571
SOUTH WARD ... ..	782	21	64	867
TOTAL ... ..	3946	158	178	4282

The above table gives the numbers of Ash-closets, Ash-pits, and Water-closets at present in the district.

During the year there have been many Ash-pits (Midden-privies) converted into Ash-closets especially in the East Ward or Colliery District. This work is steadily progressing, so that, in a short time the objectionable Ash-pits (Midden-privy) will be a thing of the past in our district.

### **Water Supply.**

The Water Supply of the district is excellent; it is supplied by the Sunderland and South Shields Water Company from the Boldon Reservoirs. It is supplied with sufficient force and quantity, is of good quality—hard and plentiful.

There are three wells in the district being used for domestic purposes; the waters in each well is good, and during the year these were no complaints concerning quantity or quality.

### **Food and Drugs Act.**

Every endeavour has been made during the year to see that the Food exposed for sale was wholesome and good. There was no necessity for Court proceedings. Certain foods were condemned by the Sanitary Inspector and myself, and willingly disposed of as not being wholesome for human consumption, such as Fruit, Meat, etc. It would certainly be beneficial for the inhabitants if the Foods, Milk, etc., were more closely inspected and tested. The present Staff in the Health Department certainly do the best they can under the circumstances.

The County Council occasionally send their Inspectors into the district to have the foods, etc., exposed for sale inspected and tested.

### **Public Bakehouses.**

There are 2 Bakehouses in the South Ward (New Town); they were visited periodically and always found clean and satisfactory; there were certainly alterations suggested to the owners.

### **Cowsheds, Dairies, and Milkshops.**

There are 6 licensed Cow-keepers and 30 Milk-shops and several companies selling Milk in the district. They have been inspected periodically and found fairly satisfactory, but there remains room for improvements in the arrangements of several Cow-sheds and Milk-shops.

### **Slaughter Houses.**

There are at present 10 Slaughter Houses in the district, a decrease of 1 from last year; they have been inspected periodically and not always found satisfactory. It would certainly be beneficial to you as a Council to have a small Public Abattoir with proper by-laws and regulations; supervision would be easily carried out by the Sanitary Inspector and myself.

### **Common Lodging Houses.**

There is 1 Common Lodging House in the district, it has been periodically inspected and always found satisfactory. It would be beneficial to the district if there were more common lodging houses.

### **Factory and Workshops.**

There were 14 Registered Workshops on the register ending December, 1908. They were visited periodically during the year and always found clean and in a satisfactory condition, and carried on according to the Factory and Workshops' Acts and Regulations.

Insufficient Sanitary Accommodation was found to exist in one case, and notice was served and accommodation was provided for the separate sexes working in the workshop.

**Annual Report of the Medical Officer of Health for the  
year 1908 for the Urban District of Hebburn,**  
on the administration of the Factory and Workshop Act, 1901, in connection with  
**Factories, Workshops, Workplaces and Homework.**

I.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of  
Nuisances.

Premises.	Number of Inspections	Number of Written Notices.	Number of Pro- secutions.
Factories (including Factory Laundries)	...	...	...
Workshops (including Workshop Laundries)	42	...	...
Workplaces (other than Outwork- erpremises included in parts 3 of this report) ... ..	...	...	...
Total ... ..	42	...	...

## II.—DEFECTS.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied	Referred to H.M. Inspector	
Nuisances under the Public Health Acts—				
Want of Clealiness ... ..				
Want of Ventilation ... ..				
Overcrowding ... ..				
Want of drainage of floors ... ..				
Other nuisances ... ..				
Insufficient sanitary accommodation... ..	I	I	I	...
Unsuitable or defective „ ... ..				
Not separate for sexes „ ... ..				
Offences under the Factory & Workshop Act :				
Illegal occupation of underground bake-houses ... ..				
Breach of special sanitary requirements for bakehouses ... ..				
Other offences (excluding offences relating to outwork which are included in Part 3 of this report ... ..	—	—	—	—
Total ... ..	I	I	I	...

## III.—HOME WORK.

Nature of Work.		
Wearing Apparel—(1) Making, &c. ... (2) Cleaning and washing		
Lace, lace curtains and nets ...		
Artificial flowers ...		
Nets, other than wire nets ...		
Tents ...		
Sacks ...		
Furniture and upholstery ...		
Fur pulling ...		
Feather sorting ...		
Umbrellas, &c. ...		
Carding, &c. of buttons, &c. ...		
Paper bags and boxes ...		
Basket making ...		
Brush making ...		
Racquet and tennis balls ...		
Stuffed toys ...		
File making ...		
Electro-plate ...		
Cables and chains ...		
Anchors and grapnels ...		
Cart gear ...		
Locks, latches and keys ...		
Pea Picking ...		
Total ...		

NIL.

## IV.—REGISTERED WORKSHOPS.

Workshops on the Register at the end of the year.	Number.
Plumbers' Workshops ... ..	2
Milliners' Workshops ... ..	2
Bakehouses ... ..	2
Dressmakers' Workshops ... ..	2
Tailors' Workshops ... ..	2
Sailmakers' Workshop ... ..	1
Laundries ... ..	3
Total number of workshops on register ...	14

## V.—OTHER MATTERS.

Class.	No.
Matters notified to H.M. Inspector of Factories:—	
Failure to affix Abstract of the Factory and Workshop Act ... ..	...
Action taken—Notified by H.M. Inspector ... ..	1
Reports (of action taken) sent to H.M. Inspector ... ..	1
Other ... ..	...
Underground Bakehouses:	
Certificates granted during the year ... ..	...
In use at the end of the year ... ..	...

**Education (Administrative Provisions) Act 1907.**

Concerning the information the Board desire upon the thorough administration of this Act, the Council are the Local Authority for the purpose of the Act. Not being Educational Medical Officer and having no supervision over the work done by the officer appointed, I am not in a position to give the full details of the work already done, but have pleasure in referring them to the Clerk of the Council for any particulars they may specially desire.

I am, Gentlemen,

Your obedient Servant,

**A. M. G. WALKER, L.R.C.P. & S.E.,**

**MEDICAL OFFICER OF HEALTH.**



# Sanitary Inspector's Report.

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*To the Chairman and Councillors of  
the Urban District of Hebburn.*

GENTLEMEN,

I beg to lay before you my Annual Report for the Year ended 1908.

## **Infectious Diseases.**

I have removed 59 cases to the Infectious Hospital, 36 fewer than the previous year.

I have also superintended the removal and disinfection of bedding, clothes, and any articles likely to retain infection from 93 houses, and no complaint has been made of either loss or damage of any articles entrusted to me.

I have made 220 visits to houses where there were cases of infectious disease but were allowed to remain in their own home.

Disinfectants and bills of instructions as to the use of the same have been freely distributed, and every precaution taken to prevent the spreading of disease. I have received valuable information from the School Attendance Officers with respect to sickness amongst children who were absent from school.

## **Refuse Disposal.**

During the year, about 12,000 loads of refuse has been disposed of: 1,400 on farm lands, 1,000 in the clay pond at Whinny Lane, 600 in the Park, and the rest has been sent to the sea in hoppers. A large amount of the rubbish had to be tipped and refilled at great expense owing to the hoppers not being available when the closets were being cleaned. Taking the population as being 24,000 this

would equal 10 cwt. of rubbish for each person in the district; this quantity has remained much about the same for the last few years in spite of the growing population, due no doubt to so many idle men and the large number of gas stoves in use.

### Notices Served to Abate Nuisances.

The informal notices served to abate nuisances were distributed in the following Wards, namely:—

West Ward	...	...	100
Central „	...	...	64
North „	...	...	22
East „	...	...	36
Victoria „	...	...	9
South „	...	...	97
Total	...	...	<u>328</u>

### Ash-closets, Ash-pits, and Water-closets.

The figures in the following table include Domestic Factories, Workshops, Workplaces, and Laundries, but not Textile Factories:

	Ash-closets	Ash-pits.	Water-closets.	Total.
WEST WARD ... ..	519	11	36	566
CENTRAL WARD ... ..	701	4	18	723
NORTH WARD ... ..	751	3	2	756
EAST WARD ... ..	676	117	6	799
VICTORIA WARD ... ..	517	2	52	571
SOUTH WARD ... ..	782	21	64	867
TOTAL ... ..	3946	158	178	4282

During the year 77 Ash-pits have been replaced by 169 Ash-closets, mostly in the East Ward, that is Frederick, Arthur, and Harvey Streets, Waggonman's Row, and Chapel Row, and in addition there are 32 new closets along with a number of water-closets mostly in the South Ward.

### **New Houses.**

There has been built during the year 32 new houses: in the North Ward 4, Victoria Ward 4, and in the South Ward 24, and 28 of them are self-contained and 4 tenements.

### **Slaughter Houses.**

There are 10 Slaughter Houses in the district, all of which are private, and although far short of modern requirements, the owners as a rule try to keep them in as good condition as they possibly can. The number of cattle slaughtered in these houses at the present time does not exceed 8 or 10 per week, sheep 18 to 20, and pigs perhaps 20.

One carcase of beef had to be destroyed. The animal had been suffering from tuberculosis although nothing was seen to be the matter with it in life. Connected to these 10 slaughter houses there are as many retail shops, and in addition there are in the district 20 shops for the retail of Foreign and Home meat and pork as follows, namely:—Foreign 12, Home 6, Pork 2.

I visit all of these as often as possible and cannot say but that they are kept fairly clean, and I believe conducted on fairly honest principles.

It is a long time since I have had any complaints from any of the inhabitants in respect to any meat supplied to them.

### **Cowsheds, Dairies, and Milkshops.**

There are 6 Cowsheds in the district from which milk is distributed both wholesale and retail; some of the buildings are old and ought to be pulled down as they are badly lighted, ventilated,

and paved. In some of them the drainage is anything but satisfactory. In two cases the water supply is from wells and drawn by pumps. A sample has been taken from one of these lately and found to be free from any contaminating matter.

There are 33 Milkshops in the district from which milk is sold to the inhabitants. I have heard of several samples having been taken by the County Inspector, but as no prosecution followed I take it for granted that there had been no reason for complaint.

In addition to the above there are a good many milk hawkers from other districts, and I have no doubt but that samples have been taken from them along with the others, but I am of opinion that the Local Officials ought to be instructed to take samples when they think fit.

#### **Bake Houses.**

I visit the two Bake Houses (both of which are in the South Ward) as frequently as possible. In a recent report about these it was stated there were in fair condition, but the flour of one was defective, and the ceiling is not lime-washed. Both of the matters will get my earliest attention.

#### **Lodging House.**

There is just one Lodging House in the district. I have had to complain on one or two occasions to the Deputy Landlord with respect to a few minor faults which have always been attended to when pointed out to him.

#### **Precautions against Infectious Disease.**

Lots of infectious bedding stoved or destroyed	...	87
Houses disinfected after Infectious Disease	...	93

#### **Summonses.**

Four summonses were applied for and granted, mostly with reference to insufficient privy accommodation, which, on being provided the summonses were withdrawn, the owners paying all the expenses.

### **Sample of Water.**

One sample of water was taken for analysis, but the certificate of the Analyst showed that the water was free from any objectionable amount of organic contamination, and was suitable for use as a drinking water. It contained a rather large amount of dissolved mineral matters, and would be in consequence very hard water.

### **Special Reports on Properties.**

Acting under your instructions I have drawn up special reports dealing with different properties in the district.

Up to now these reports have never been considered by you ; perhaps the time has passed for the necessity of special reports, or it may be, time has not been found to consider them.

**Summary of Work Done.**

	Public Health Acts.	No. of Informal Written Notices by Inspector.	No. of Formal Notices by Order of Authority.	No. of Nuisances Abated after Notices.
Dwelling Houses and Schools.	Foul Conditions ...	128	11	123
	Structural Defects ...	89	10	86
	Overcrowding ...	3	...	3
	Slaughter Houses ...	3	...	3
	Ashpits and Privies ...	10	6	10
	Deposits of Rubbish and Manure ...	9	...	9
	Water-closets ...	5	...	5
	Defective Yard Paving	37	4	37
House Drainage.	Defective Traps ...	6	...	6
	Other Faults ...	5	3	4
	Water Supply ...	11	5	11
Other faults.	Animals improp'ly kept	11	...	5
	Smoke Nuisances ...	1	...	1
	Gutters and Spouts ...	10	1	8
	Totals ...	328	40	311

I am, Gentlemen,

Your obedient Servant,

**R. S. THOMSON, A.R.S. Inst.**

**SANITARY INSPECTOR.**