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Contributors

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Ormesby Urban District Council.

REPORT

OF THE

MEDICAL OFFICER


FOR THE

YEAR ENDING 31ST DECEMBER, 1902

Middlesbrough :

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1903.



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ORMESBY URBAN DISTRICT COUNCIL.

MEDICAL OFFICER'S REPORT FOR 1902.

GENTLEMEN,

During the year 1902, 231 deaths were registered in the Ormesby District, 47 of which occurred at the Cottage Hospital, and of these 32 were imported cases. Deducting these, the total due to the district is reduced to 199.

The population of your district, estimated to the middle of 1902, is 9,604, and the death rate calculated on the estimated population is 20·7 per thousand.

Thirteen deaths from the chief zymotic diseases were registered during the year, giving a mortality rate of 1·3 per thousand.

The Births numbered 379, giving a birth rate of 39·4.

Sixty-seven deaths of children under one year were registered, resulting in a death rate of 17·6 per cent. calculated on the number of children born during the year.

The following table shows the ages at which death occurred :—

Under 1 year	67
1 year and under 5 years	34
5 years .. 15 ..	13
15 25 ..	25
25 65 ..	68
65 .. and upwards	24
	<hr/>
	231
	<hr/>

The first of the following tables is one giving the total number of deaths and rates of mortality from the seven chief zymotic diseases, and from other causes during the past ten years. From this table it will be seen that the zymotic death rate for 1902 is less than it has been for seven years, and the general death rate is higher than for any previous year. One death resulted from Diphtheria; 1 from Diarrhœa; 9 from Whooping Cough; 1 from Scarlet Fever and 1 from Typhoid Fever.

The second table shows the deaths occurring at two groups of ages from various diseases in each quarter of the year 1902, the deaths at the Cottage Hospital being arranged separately. During the year 47 deaths took place in this Institution; only 15 of these belonged to the district, the others being imported cases.

The third table gives the zymotic death rates for the past ten years, that for 1902 being the lowest for several years.

The next table contains the deaths from zymotic diseases in each quarter of 1902, and shows Whooping Cough was the most fatal, the deaths from the other zymotic diseases being few in number.

The table following gives the births and deaths, and the birth rates and death rates and the deaths at various ages during each quarter of 1902. Examining this table it will be seen the Infant Mortality was high, chiefly due to premature birth, atrophy and inanition, diseases of the respiratory organs, whooping cough, and tubercular diseases.

The birth rate for 1902 was increased, and the figures for the past 17 years are as follows:—

1886	...	...	38·7.	1894	...	...	31·0.
1887	...	...	39·3.	1895	...	...	34·0.
1888	...	...	35·1.	1896	...	...	33·1.
1889	...	...	36·8.	1897	...	...	30·9.
1890	...	...	34·5.	1898	...	...	32·7.
1891	...	...	37·8.	1899	...	...	36·2.
1892	...	...	36·4.	1900	...	...	37·3.
1893	...	...	34·0.	1901	...	...	34·6.
			1902	...	...	...	39·4.

The Death Rate per cent. of Children under one year is lower than it has been for 6 years.

Death Rates per cent. for 17 years, of children under one year, calculated on the number of children born during the year:—

1886	...	...	18·6.	1894	...	...	11·5.
1887	...	...	15·6.	1895	...	...	14·7.
1888	...	...	14·5.	1896	...	...	18·2.
1889	...	...	17·2.	1897	...	...	21·4.
1890	...	...	16·7.	1898	...	...	21·7.
1891	...	...	12·5.	1899	...	...	18·2.
1892	...	...	12·2.	1900	...	...	20·4.
1893	...	...	18·0.	1901	...	...	20·6.
			1902	...	...	...	17·6.

Deaths and Death Rates from all causes for Ten Years.

	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902
Smallpox ... ..	...	...	...	...	...	5	...	...	...	...
Measles ... ..	...	1	...	12	...	2	12	2	2	...
Scarlet Fever ... ..	...	1	9	2	1	1	1	...	3	1
Diphtheria ... ..	...	...	...	2	1	...	...	1	3	1
Whooping Cough	1	1	1	9	3	...	1	7	1	9
Typhoid Fever	4	2	7	1	2	2	2	...	4	1
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...
Doubtful Fever ... ..	...	...	...	...	...	...	...	...	...	...
Diarrhoea and Dysentery	11	2	5	2	6	7	9	9	18	1
Deaths from Chief Zymotic Diseases	16	7 ^a 6	22	28	13	17	25 ^b 24	19 ^c 18	31 ^d 28	13
Deaths from other causes	125	100	133	138	151	128	156	159	158	186
Totals for each year due to the District	141	106	155	166	164	145	180	177	186	199
Death-rate from Chief Zymotic Diseases, per 1,000	1.8	0.6	2.44	3.08	1.41	1.8	2.56	1.9	2.9	1.35
Death-rate from all other causes, per 1,000	14.1	11.2	14.78	15.19	16.4	13.8	16.69	16.8	16.6	19.36
General Death-rate, per 1,000	15.9	11.8	17.2	18.2	17.8	15.6	19.2	18.7	19.5	20.7

a—Includes one imported death from Typhoid Fever at the Cottage Hospital.

b—do. do. Diarrhoea do.

c—do. do. Diphtheria do.

d—Includes three imported deaths, one from Scarlet Fever and two from Typhoid Fever, the latter at the Cottage Hospital.

Causes of Death in each Quarter of 1902 at Two Groups of Ages:—

Quarter Ending.	Deaths from chief Zymotic Diseases.														Deaths at the Cottage Hospital.														Deaths at the Hospital.													
	Pyæmia and other Septic Diseases.	Group.	Cancer.	Scrofulous Diseases.	Phthisis.	Diseases of Nervous System.	Convulsions.	Diseases of Circulatory System.	Diseases of Respiratory System.	Diseases of Digestive System.	Diseases of Urinary Organs.	Child-birth.	Premature Birth.	Atrophy and Inanition.	Old Age.	Accidents and Injuries.	Other Diseases.	TOTALS.	Pyæmia and other Septic Diseases.	Cancer.	Scrofulous Diseases.	Diseases of Nervous System.	Diseases of Circulatory System.	Diseases of Respiratory System.	Diseases of Digestive System.	Diseases of Urinary System.	Diseases of Uterus & Ovaries.	Injuries and Accidents.	Suicides.	Other Diseases.	TOTALS.											
Mar. 31	3	1	1	3	2	8	2	...	8	2	...	3	...	3	...	...	1	24	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1
{ Under 5 years and over	1	1	2	2	1	2	1	...	1	...	1	1	1	1	1	1	4	17	...	2	1	...	2	...	...	...	...	1	...	1	...	1	...	9				
June 30	4	...	...	2	1	8	...	...	8	...	...	4	4	...	2	...	...	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
{ Under 5 years and over	...	...	1	1	3	3	18	1	1	1	1	...	...	...	2	...	...	31	...	1	3	...	1	1	2	1	1	7	1	...	...	...	1	
Sept. 30	5	...	...	2	1	10	2	...	10	2	...	4	3	...	2	...	...	29	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	
{ Under 5 years and over	1	1	...	...	1	7	2	1	7	2	1	...	...	...	2	...	...	15	...	1	2	1	1	1	1	1	2	...	...	...	1	12		
Dec. 31	...	1	...	4	1	8	2	...	8	2	...	2	1	...	1	...	...	21	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	
{ Under 5 years and over	...	...	2	4	7	6	1	...	6	1	...	...	...	...	...	2	1	23	...	1	...	...	1	...	1	...	...	...	...	2	5	5		
Total	12	2	1	11	2	34	6	...	34	6	...	10	11	...	5	...	4	98	...	1	...	1	...	...	...	...	1	...	...	...	3				
{ d'hs from all causes	1	2	1	5	3	27	3	2	11	3	2	1	...	...	5	3	5	86	...	2	7	2	4	3	5	2	2	10	1	4	41									
Total at all ages	13	2	3	15	7	61	9	2	61	9	2	110	11	5	3	9	184	...	3	7	2	4	3	5	2	2	11	1	4	47												

Death Rates from Chief Zymotic Diseases for the past Ten Years.

DISEASES.	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902
Small Pox ...	...	...	...	..	..	54	...	...	...	...
Measles ...	..	41	...	132	...	21	128	21	21	...
Scarlet Fever ...	...	41	10	22	1	1	1	...	{ 31 21g	1
Diphtheria ...	...	...	...	22	1	...	...	{ 1e .0	31	1
Whooping Cough...	41	41	1	99	3	..	1	74	1	9
Typhoid Fever ...	45	{ 22a 41	77	41	2	21	21	...	{ 42 21h	1
Typhus Fever ...	...	...	...	...	...	...	...	...	...	...
Doubtful Fever ...	...	...	...	...	...	...	...	...	...	...
Diarrhoea and Dysentery ...	124	22	55	22	6	75	{ 46c .85	95	189	1
Zymotic Annual Death-rate ...	18	{ 7b 6	24	30	141	18	{ 24d 256	{ 24f 19	{ 324 293i	13
General Death-rate due to the District ...	159	11.8	17.2	18.2	17.8	15.6	19.2	18.7	19.5	20.7

a—Reduced to 41 after deducting imported case at Cottage Hospital.

b— " " 6
 c— " " 85
 d— " " 256
 e— " " 0
 f— " " 19
 g— " " 21
 h— " " 21
 i— " " 293

two imported cases at Cottage Hospital.

three imported cases.

Deaths from Zymotic Diseases in each Quarter of 1902.

Quarter ending	Principal Zymotic Diseases		Scarlet Fever		Diphtheria		Whooping Cough		Typhoid Fever		Diarrhoea and Dysentery	
	Under 5 years	5 years and over	Under 5 years	5 years and over	Under 5 years	5 years and over	Under 5 years	5 years and over	Under 5 years	5 years and over	Under 5 years	5 years and over
March 31 ...	3	1	...	...	...	...	3	...	...	1	...	...
June 30 ...	4	...	1	...	...	...	3	...	...	...	...	...
September 30 ...	5	...	...	...	1	...	3	...	...	...	1	...
December 31 ...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	12	1	1	...	1	...	9	...	...	1	1	...

Table showing the Number of Births and Deaths; also the Birth-rate and Death-rate; and the deaths at various ages during each quarter of 1902.

Quarter ending	Births	Birth Rate	Total deaths from all causes	Death Rate due to the District	Ages at which Death occurred					
					Under 1 year	1 year and under 5 years	5 years and under 15 years	15 years and under 25 years	25 years and under 65 years	65 years and upwards
March 31	98	40.9	51	18.7	15	10	6	4	12	4
June 30	86	35.8	73	25.4	17	7	3	10	26	10
September 30	100	41.5	57	20.3	21	9	2	6	14	5
December 31	95	39.3	50	18.2	14	8	2	5	16	5
Total for Year	379	39.4	231	20.7	67	34	13	25	68	24

Vital Statistics of whole District during 1902 and Previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Cottage Hospital	Total Deaths of Non-residents in Cottage Hospital	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		No.	Rate.	Under 1 Year of Age.		At all Ages.				No.	Rate.
				No.	Rate per 1,000 births	No.	Rate.				
1892	8,736	318	36.4	39	122	162	18.5	21	15	147	16.8
1893	8,823	300	34.0	54	180	157	17.7	23	16	141	15.9
1894	8,910	277	31.0	32	115	120	13.4	16	14	106	11.8
1895	8,997	306	34.0	45	147	165	18.3	20	10	155	17.2
1896	9,084	301	33.1	55	182	192	21.1	29	26	166	18.2
1897	9,170	284	30.9	61	214	175	19.0	22	11	164	17.8
1898	9,257	303	32.7	66	217	166	17.9	31	21	145	15.6
1899	9,344	339	36.2	62	182	203	21.7	26	23	180	19.2
1900	9,431	352	37.3	72	204	223	23.6	57	46	177	18.7
1901	9,518	330	34.6	68	206	221	23.2	46	34*	186	19.5
Averages for years 1892-1901	9,127	311	34.0	55	176	178	19.5	29	21½	156½	17.1
1902	9,604	379	39.4	67	176	231	24.0	47	32	199	20.7

* Included also an imported death from Doncaster occurring in the District.

Area of District in acres, 4,403.

Total population at all ages, 9,482.

Number of inhabited houses, 1,838.

Average number of persons per house, 5.

At Census of 1901.

Causes of, and Ages at, Death during year 1902.

CAUSES OF DEATH	DEATHS IN DISTRICT, NOT INCLUDING THOSE IN COTTAGE HOSPITAL.						DEATHS IN THE COTTAGE HOSPITAL.						Total Deaths Imported														
	All ages	Un-der 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up-wards	All ages	Un-der 1 year	1 and under 5	5 and under 15	15 and under 25		25 and under 65	65 and up-wards												
Scarlet Fever	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	9	7	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and membranous croup	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Septic Diseases	7	1	1	1	3	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Phthisis	14	6	5	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Other Tubercular Diseases	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
Cancer, malignant disease	20	8	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis	38	9	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Pneumonia	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pleurisy	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholism, Cirrhosis of Liver	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Veneral Diseases	10	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases and Accidents of Parturition	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Heart Diseases	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Accidents	50	22	2	1	3	12	10	16	1	1	4	2	8	13	5	...	...	...	...	...	...	...	...	...	...	...	...
Suicides	184	67	31	7	15	42	22	47	...	3	6	10	26	2	...	...	...	...	...	...	...	...	...	...	...	...	...
All other causes ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All Causes	184	67	31	7	15	42	22	47	3	6	10	26	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
																											32

‡ Imported Cases.

The first quarter of the year was a fairly satisfactory one, the death rate being below the average for that period of the year, and the deaths from infectious diseases limited in number and few cases were notified. Whooping Cough was fatal in 3 cases, and one death followed Typhoid Fever.

Cases notified during the March quarter :—

Disease.	At all Ages.	Under 1 Year.	1 year and under 5 years.	5 years and under 15 years.	15 years and under 25 years.	25 years and under 65 years.	65 years and upwards.
Scarlet Fever ...	8	...	4 ^a	3	...	1	...
Typhoid Fever ...	3	...	1	1	1	...	...
Erysipelas ...	3	...	...	...	...	3	...
Diphtheria ...	1	...	...	...	1	...	...
	—	—	—	—	—	—	—
Totals ...	15	...	5	4	2	4	...
	==	==	==	==	==	==	==

^a—One case removed to the Middlesbrough Fever Hospital.

The death rate for the second quarter was unusually high, the result of an excessive mortality from Pneumonia and Bronchitis, due, I believe, to the long continued cold weather, with almost no sunshine, the weather during the months of April, May, and June being such as one might expect to have in winter; in fact we had snow in June, and cases of acute Bronchitis and Pneumonia of a severe type were very prevalent. Scarlet Fever was present in the district during the whole of the quarter. Whooping Cough caused 3 deaths and Chicken Pox appeared in the Orphanage, resulting in the school attendance of children from this institution having to be stopped.

The infectious cases reported were :—

Disease.	At all Ages.	Under 1 Year.	1 year and under 5 years.	5 years and under 15 years.	15 years and under 25 years.	25 years and under 65 years.	65 years and upwards.
Scarlet Fever ...	33	1	6	19	5	2	...
Erysipelas ...	1	...	...	...	...	1	...
	—	—	—	—	—	—	—
Totals ...	34	1	6	19	5	3	...
	==	==	==	==	==	==	==

For the three months ending September 30, the death rate was 23·6 per thousand per annum, and was partly accounted for by the number of deaths from diseases of the respiratory system. There was an absence of Diarrhoea in the district due to the low temperature of July, August, and September, which was

responsible also for the large number of deaths from Bronchitis and Pneumonia and the increased mortality from these diseases was referred to in the report for the June quarter.

Certificates were received notifying the following:—

Disease.	At all Ages.	Under 1 Year.	1 year and under 5 years.	5 years and under 15 years.	15 years and under 25 years.	25 years and under 65 years.	65 years and upwards.
Scarlet Fever ...	14	...	5	8	1	...	...
Erysipelas ...	2	...	...	...	...	2	...
Diphtheria ...	9	...	2	6	1	...	...
Total ...	25	...	7	14	2	2	...
	==	==	==	==	==	==	==

In the last quarter of the year there was a continuance of Scarlet Fever in North Ormesby, but no death was registered from any one of the chief Zymotic Diseases.

The infectious cases notified were:—

Disease.	At all Ages.	Under 1 Year.	1 year and under 5 years.	5 years and under 15 years.	15 years and under 25 years.	25 years and under 65 years.	65 years and upwards.
Scarlet Fever ...	14	1	8	4	...	1	...
Typhoid Fever ...	4	...	...	1	2	1	...
Erysipelas ...	7	...	...	...	2	4	1
Diphtheria ...	2	1	1	...	...	...	...
Total ...	27	2	9	5	4	6	1
	==	==	==	==	==	==	==

The list of infectious cases reported during 1902 is as follows:—

Total		Quarter ending					
1901.	Disease.	Mar. 31.	June 30.	Sept. 30.	Dec. 31.	Total.	
55	Scarlet Fever	8	33	14	14	69	
13	Typhoid Fever	3	0	0	4	7	
1	Continued Fever	0	0	0	0	0	
2	Puerperal Fever	0	0	0	0	0	
11	Erysipelas	3	1	2	7	13	
4	Diphtheria	1	0	9	2	12	
0	Membranous Croup...	0	0	0	0	0	
86		15	34	25	27	101	
		==	==	==	==	==	

The total number of certificates received was in excess of that for last year due to the long continued existence of Scarlet Fever in North Ormesby. Cases of Typhoid Fever were fewer and no cases of Small Pox, Membranous Croup, or of Puerperal Fever were reported, but there was an increase in the number of cases of Diphtheria.

INFECTIOUS DISEASES.

SCARLET FEVER existed more or less all the year in North Ormesby and is difficult if not impossible to stamp out under existing conditions. The following cases will show some of the difficulties met with: On visiting a case in Moses Street I found three children attending school. At 12 Bargate Street a case was notified but on making enquiries I came to the conclusion that a prior case had probably existed in the same house a month ago. At 56 Hymer Street a child was ill with Scarlet Fever and the cottage was overcrowded, there were only three rooms in it, viz., a kitchen and two bedrooms, and yet it was occupied by two families and a male lodger, the back bedroom was set apart for two men and the front bedroom was used by ten people, viz., two women and eight children, one being a girl of 17 years of age, and two boys of 14 and 13 years, the other children being younger, there were only two beds in the room so some of the occupants had to sleep on the floor. The patient was removed at once to the Fever Hospital.

At 39 Stovin Street the case of Scarlet Fever notified was probably the second case as there was a history of another child having had a rash out 14 days before, but was allowed to attend school during the whole time it was ill (with Scarlet Fever I believe). The patient at 18 Leven Street was a man who had followed his employment as a coal dealer for a fortnight after the rash of Scarlet Fever appeared, and four children living in the house had attended Derwent and Smeaton Street Schools during the whole of that period, so that many of the cases of Scarlet Fever occurring at that time were no doubt due to infection carried to the schools by children living in homes where the disease was present or had existed perhaps unknown to, or not recognised by the parents.

At 16 Stevenson Street, the first case was peeling when the doctor was called in and it had been ill a fortnight before the disease was notified. The notification certificate was received in another instance a month after the appearance of the first case. No medical man had attended and the case was freely desquamating and going about the house and garden when I called to make enquiries. The disease had not been recognised. The second case had been ill three weeks and the third case a week before the medical attendant was called in. After the appearance of the first case two children had attended school, one going to Derwent

Street and one to a school in Middlesbro'; and clothes had been sent to a well-known laundry from the house, although the existence of Scarlet Fever was known to the parents.

At 22 Tees Street, the case was not notified till desquamation was noticed and the rash came out over a fortnight before the certificate was sent, two children had attended school from the house part of the time, one going to Derwent Street and one to Smeaton Street Schools. The mother was a seamstress and had work in the house at the time of my visit.

The case at 92 Smeaton Street, was one of the teachers from Derwent Street School, and a girl living at 48 Moses Street, where there was a case worked as a tailoress in Middlesbro'. Of the 14 cases notified in the third quarter of the year, one was imported from Middlesbro' and at two of the cottages where Scarlet Fever existed, dressmaking was done, which resulted in a further spread of the disease from one of the homes, probably because Scarlet Fever was not recognised until desquamation had commenced. The yard area of 10 Smeaton Street, where another case appeared, was less than three yards square and had an offensive privy midden in it.

The same number of cases was certified in the last three months of the year as in the preceeding quarter. One case was removed from 76 Smeaton Street, to the Middlesbro' Fever Hospital. The patient was one of five lodgers and the landlady a midwife. The man had been ill three weeks and going about for a fortnight till desquamation was observed. Two other men had slept in the same room with him, and a child from the house attended school in North Ormesby the whole of the time, and the midwife had attended confinements.

The case at 8 Moses Street was probably derived from a previous one at 60 Moses Street. A dressmaker living there had made dresses and sent them home to 8 Moses Street, and afterwards a case of Scarlet Fever was recognised in the house, but not till desquamation occurred. Two of the houses had previously had Scarlet Fever in them this year, viz., 8 Moses Street, a case in January, and 32 Moses Street, a case in March.

TYPHOID FEVER.—One death occurred in the first 3 months of the year out of three cases notified, two of which occurred in the same house, but no additional case was notified from the middle of February to the end of October, from that month four cases only occurred, three in Tees Street, two being in one house and one in Jubilee Street. The privy middens of both houses in Tees Street were out of repair and wet.

SMALL POX.—No case was reported during the past 12 months, but a suspected case was brought to my notice in North Ormesby in October, fortunately the disease was found not to be Small Pox, but I at once took preliminary steps for dealing with Small Pox arising in your district—and found the Middlesbrough Sanitary Authority would not remove a patient with Small Pox from the Ormesby District, and as we were not prepared to isolate the disease ourselves the subject was at once brought before the Council. The temporary Small Pox Hospital at Seldom Seen, which did such valuable service during the Small Pox epidemic is still under your control but the buildings have got into bad repair, so it was decided to prepare a portion of the Hospital for any emergency. I am hoping it may not be required, but Small Pox has for some months existed in Yorkshire and our proximity to Middlesbrough with its large population and inter-communication with large towns in some of which Small Pox exists, renders it necessary to be ready to at once remove for isolation the first case of Small Pox notified.

DIPHTHERIA.—One case occurred at the Council House, but the patient was a man employed in Middlesbrough. Nine cases reported in the September quarter occurred in four houses and six of these were in two houses in Worsley Street, the yard pavement of both houses being in bad repair.

WHOOPIING COUGH was fatal in three cases in the March, three in the June and three in the September quarters.

MEASLES.—In 1902 no death from this disease was registered.

CHICKEN POX appeared at the Orphanage in June and as the cases were not being properly isolated, I had to stop the other children attending School for a month, after taking this action, the cases were isolated by removal to the Old Orphanage, but it would have been better had the first case been removed there as soon as it was detected.

DIARRHŒA.—There was an absence of Diarrhœa last year, the cold weather of the summer months not being favourable to Epidemic Diarrhœa.

INFANTILE MORTALITY.—The total number of deaths of children under one year was almost the same as for last year, the mortality rate calculated on the number of children born during the year is lower than for the past six years. Of those dying under five years of age the chief causes of death were :—

Premature Birth, Atrophy and Inanition Diseases of the Respiratory System, Whooping Cough and Tubercular Diseases. There was only one death from Diarrhœa during the year and none from Measles.

Report of all Infectious Cases notified during the year 1902 :—

DATE.	ADDRESS.	DISEASE.	REMARKS.
1902.			
Jan. 7	33 Worsley Street ...	Typhoid Fever ...	No sanitary defects.
" 7	23 King's Road ...	Erysipelas ...	No sanitary defects.
" 13	52 James Street ...	Typhoid Fever ...	No sanitary defects. Second case see February 13th.
" 14	18 Coltman Street ...	Scarlet Fever ...	No sanitary defects.
" 14	8 Moses Street ...	" "	No sanitary defects. Three children attended school from this infected house.
" 20	42 Queen Street ...	" "	No sanitary defects.
" 26	47 Bargate Street ...	Erysipelas ...	No sanitary defects.
Feb. 1	12 Bargate Street ...	Scarlet Fever ...	No sanitary defects. Doubtful case in the house about a month ago.
" 1	56 Hymer Street ...	" "	Overcrowding at this house. Case removed to Middlesbro' Fever Hospital.
" 13	52 James Street ...	Typhoid Fever ...	Second case. See January 13th.
" 24	24 Church Street ...	Erysipelas ...	No sanitary defects.
March 3	32 Moses Street ...	Scarlet Fever ...	No sanitary defects.
" 13	39 Stovin Street ...	" "	No sanitary defects. Probably the second case in this house.
" 13	Council House, High Street ...	Diphtheria ..	No sanitary defects. Patient employed in Middlesbrough.
" 16	18 Leven Street ...	Scarlet Fever ...	Had worked for a fortnight after rash of Scarlet Fever appeared.
April 2	31 Coltman Street ...	" "	No sanitary defects. Origin of disease not known.
" 7	64 Stovin Street ...	" "	No sanitary defects.
" 7	30 Alfred Street ...	" "	No sanitary defects.
" 7	34 Stovin Street ...	" "	No sanitary defects.
" 7	7 Church Street ...	" "	Scullery sink waste pipe not trapped, and discharged directly into the yard gully.
" 7	17 Tunstall Street ...	" "	No sanitary defects. Death.
" 18	16 Market Place ...	" "	No sanitary defects.
" 26	36 Market Place ...	" "	Probably derived from 31 Coltman Street
" 26	13 Tunstall Street ...	" "	Probably derived from School.
" 26	4 Coltman Street ...	" "	" " "
" 26	48 James Street ...	" "	Yard surface and ashpit roof defective.
" 29	12 Stevenson Street ...	" "	No sanitary defects.

Report of all Infectious Cases notified during the year 1902:—

DATE.	ADDRESS.	DISEASE.	REMARKS.
1902 May 1	46 James Street ...	Scarlet Fever ...	Defective condition of yard surface and defective roof over outbuildings. Fever got from 48 James Street.
" 1	34 Morris Street ...	" " ...	Three cases in the same house. No sanitary defects. Fever probably due to school attendance.
" 12	66 Worsley Street ...	" " ...	Yard paved with common red brick and in bad repair.
May 12	16 Stevenson Street ...	" " ...	Two cases here. The first was desquamating when the doctor was called in and had been ill for a fortnight with Scarlet Fever.
" 14	24 Pennyman Street ...	" " ...	Half-a-yard of the ashpit wall destroyed in the back yard.
" 14	48 Moses Street ...	" " ...	A girl from this house was working as a tailoress in Middlesbrough.
" 14	1 Prospect Place, Cargo Fleet ...	" " ...	Slop sink in scullery not trapped.
" 14	10 South View, Cargo Fleet ...	" " ...	Three cases in the same house. Origin of first not known. No sanitary defects.
" 24	Beaconsfield House ...	" " ...	Three cases in the same house. The first case had been ill a month before it was notified.
" 24	" " ...	" " ...	
" 27	" " ...	" " ...	
" 26	92 Smeaton Street ...	" " ...	Teacher at the Derwent Street Schools. No sanitary defects.
" 27	11 Harrison Street ...	Erysipelas ...	No sanitary defects.
June 7	22 Tees Street ...	Scarlet Fever ...	The rash came out over a fortnight before the case was notified.
" 19	(Oliver) Ormesby Village ...	" " ...	Origin not known. Second case June 27th.
" 23	28 Pennyman Street ...	" " ...	Probably derived from 24 Pennyman Street
" 27	(Oliver) Ormesby Village ...	" " ...	Second case. See June 19th.
July 1	60 Morris Street ...	" " ...	Case imported from Middlesbrough.
" 3	58 " " ...	" " ...	Infection derived from case at 60 Morris Street.
" 5	1 Worsley Street ...	Diphtheria...	Three cases in this house. Yard pavement in bad repair. Fourth case July 21st.
" 14	17A " " ...	" " ...	Yard partly paved with red brick and in bad repair causing a nuisance from pools of water collecting on the surface. Rainwater downcomer broken off near the spout at the back of the house. Privy door off hinge. Second case see July 18th.

Report of all Infectious Cases notified during the year 1902:—

DATE.	ADDRESS.	DISEASE.	REMARKS.
July 18	40 Leven Street ...	Diphtheria ...	Privy door off and defective rainwater fall pipe.
" 18	17A Worsley Street ...	" ...	Second case. See July 14th.
" 21	1 " " ...	" ...	Fourth case. See July 5th.
" 28	4 Westbourne Grove ...	Scarlet Fever ...	No sanitary defects. Origin not known.
" 29	14 Hampden Street ...	" " ...	No sanitary defects. Origin not known.
August 4	7 Westbourne Grove ...	Erysipelas ...	
" 5	35 Hampden Street ...	Scarlet Fever ...	Two cases in the same house. Could not trace origin. No sanitary defects.
" 7	1 Queen Street ...	" " ...	No sanitary defects.
" 20	10 Smeaton Street ...	" " ...	Yard area less than 3 sq. yards. Offensive privy midden in yard.
" 23	22 Hampden Street ...	Erysipelas ...	Part of yard pavement in bad repair.
Sept. 9	48 Leven Street ...	Scarlet Fever ...	No sanitary defects. Origin of fever could not be ascertained.
" 9	14 Worsley Street ...	" " ...	Yard gully in bad repair. Source of disease unknown.
" 11	2 Telford Street ...	" " ...	No sanitary defects.
" 15	6 Customs Row, Cargo Fleet ...	" " ...	No sanitary defects.
" 22	13 Morris Street ...	" " ...	A dressmaker working at home. Deep ashpit.
" 22	18 Nelson Street ...	Diphtheria ...	No sanitary defects. Two cases. Isolation of sick children was not satisfactory.
" 29	60 Moses Street ...	Scarlet Fever ...	Dressmaking done at this house by sister of patient. No sanitary defects.
Oct. 1	56 Morris Street ...	" " ...	No sanitary defects.
" 1	8 Moses Street ...	" " ...	No sanitary defects.
" 1	10 Thorrald Terrace ...	Erysipelas ...	No sanitary defects.
" 3	The Orphanage ...	Scarlet Fever ...	Infection probably derived from school.
" 5	5 Esk Street ...	" " ...	Yard paved with common red brick, surface bad, should be repaved or concreted.
" 13	13 Tyne Street ...	" " ...	No sanitary defects. Origin of disease not known.
" 14	76 Smeaton Street ...	" " ...	Removed to Middlesbrough Fever Hospital.

Report of all Infectious Cases notified during the year 1902:—

DATE.	ADDRESS.	DISEASE.	REMARKS.
Oct. 18	24 Thomas Street ...	Erysipelas ...	No sanitary defects.
.. 18	52 Moses Street ...	Scarlet Fever ...	Deep ashpit. Child's mother visited 8 Moses Street. See October 1st.
.. 18	1A Lower High Street	Erysipelas ...	No sanitary defects.
.. 20	32 Moses Street ...	Scarlet Fever ...	Deep privy midden. Scarlet Fever in same house in March.
.. 23	11 Tunstall Street ...	" "	No sanitary defects.
.. 28	14 Tees Street ...	Typhoid Fever ...	Wet ashpit and lower part of inner privy midden wall defective.
.. 30	15 Queen Street ...	Erysipelas ...	Deep ashpit which leaked into yard.
.. 31	13 Tees Street ...	Typhoid Fever ...	Deep wet offensive ashpit, common to this and adjoining house. Portion of back street near outer wall of privy midden had fallen in, and part of outer wall of midden destroyed. Second case see November 19th.
Nov. 3	16 Church Street ...	Diphtheria ...	No sanitary defects. Large family in small cottage.
.. 19	13 Tees Street ...	Typhoid Fever ...	Second case. See October 31st.
.. 19	9 Westbourne Grove ...	Scarlet Fever ...	No sanitary defects. Source not known.
.. 21	11 Harrison Street ...	Erysipelas ...	Kept an offensive tub containing pig meat under the kitchen window.
.. 21	6 James Street ...	" "	No sanitary defects.
.. 25	39 Hymer Street ...	Scarlet Fever ...	No sanitary defects.
.. 26	44 Worsley Street ...	" "	No sanitary defects. Mother of child is a char woman
.. 29	23 Alfred Street ...	Diphtheria ...	Discarded rain-water cistern in yard.
.. 29	25 Pennyman Street ...	Scarlet Fever ...	Source of fever not known. Deep ashpit.
Dec. 12	Fountain House, Ormesby ...	" "	Origin of disease could not be traced.
.. 14	38 Worsley Street ...	Erysipelas ...	No sanitary defects.
.. 24	35 Jubilee Street ...	Typhoid Fever ...	No sanitary defects.

THE SLAUGHTER HOUSES.

These have all been recently inspected, and, with one exception, found to be in good order and well kept.

At Mr. Allison's Slaughter House, in Back Bargate Street, there were stored two large tubs of manure in close proximity to parts of a recently slaughtered beast, which had been allowed to hang over night in this offensive atmosphere.

MILK SELLERS.

The premises of those selling milk were all visited in December, and the conditions were very similar to those found in former years. Many of the cottages and small shops, trading in milk, have no provision for keeping the milk under conditions free from dust and other impurities. Generally, it is kept either in a living room, or on the shop counter, and no cover is placed over the vessel to exclude dust and dirt.

AT 103 TELFORD STREET, the milk and tins were stored in the front room in which clothing was kept; the premises are not suited for the carrying on of a milk business.

AT 41 CHARLES STREET, the vessel containing the milk was kept at the bottom of the stairs leading to the bed rooms, and was not protected in any way.

AT 6 COLTMAN STREET, milk was kept in the scullery, but the sale of milk from this house is unsatisfactory.

I look with disfavour on milk being sold from cottages where no care is taken in storing it, for there is great risk of infection being distributed with the milk; more especially if it is kept in a living room and the family has in it several children. There is always the possibility of scarlet fever or other infectious disease arising in the house amongst the children, and being overlooked, then the milk becomes contaminated, and is a source of danger to those supplied with it.

INSPECTION OF FARMS.

HAMBLETON FARM was undergoing extensive repairs at the time of my inspection, and showed signs of improvements and work done. A new gutter—long required—had been fixed in the roof of the house, and the roof repaired, so that all the bedrooms were in use. New doors had been put on several of the out-buildings. One of the byres, used for keeping pigs and calves in, required cleaning and limewashing. The roof of the second byre had been partly repaired, but the

remainder of the work would be finished with the general repairs then being done to the farm buildings. The fold yard was also to receive attention. The drain from the house to the cesspit had been cleaned out, and repairs had been done to the stable, and new doors provided.

LONG BANK FARM.—The ram had been repaired, and the horse pond cleaned out. The Tenant says he can get anything done in reason by application to the Agent recently appointed, and it is with pleasure I mention this fact, because, for years it has been almost impossible to get necessary work and repairs carried out at several of the farmsteads in your district. The cow byre and dairy are satisfactory, and the farmstead in good order—the result of extensive repairs done last year.

THE HOME FARM is in excellent order, so much has been altered, repaired and added in the past few years that the farm buildings are some of the best in the district. The byres are all one could desire, being clean, well built, lighted and ventilated.

Mr. STAINTHORPE'S DAIRY is satisfactory, but the cow byre is dirty, badly lighted, and the ventilation insufficient, it wants new stalls fixing and the floor repaving, and the walls limewashing, also, the roof requires pointing. The stable is in as bad a condition as the cow byre, and one beast is kept in it.

Mr. LISTER'S premises would be much improved by general repairs to stable and cow byre, they are very dilapidated, and, though one cow is kept, no milk is sold.

The Tenant might keep the place in better order, and could improve its untidy and neglected appearance by giving it a little more attention, care and labour.

The condition of the house has been much improved by alterations recently done at the request of your Surveyor.

SPENCER BECK FARM.—The water from the polluted well was still being used by the tenant for domestic purposes. One cow was kept, but no milk sold. The cow byre was dark and should be limewashed. A second byre was being used as a piggery. The farmstead requires repairs generally.

BOTTOM'S FARM.—Three cows were kept here, but no milk sold. The dairy was satisfactory and some repairs had been done to the farmstead. The fold yard was very offensive, caused by a pool of stagnant water. Alterations were being done, and a settling tank was to be put in the fold yard, which would remedy the nuisance found.

Mr. HANSELL'S FARM has usually a large collection of offensive manure in the fold yard at the back of the farm buildings. In the spring of the year, over 80 loads of manure were removed, and since May the heap has been again collecting. The ground was a quagmire, the liquid filth ran in streams over the ground or stood in pools, and as there are cottages and villas within a short distance of this accumulation of filth, its removal should be insisted on, and the nuisance not allowed to recur.

Mr. WILKINSON'S cow byre was clean, well kept, lighted and ventilated.

Mr. JACKSON'S Byre is not a modern one and might be improved, still it is in fairly good order.

WHITEHOUSE FARM.—The milk is sent straight from the cow byres which are very clean and well kept, and the farmstead itself is quite satisfactory.

BERWICK HILL FARM only requires mentioning, it is in excellent order.

KELD HOUSE FARM.—The house roof has been repaired, also the piggeries and fold yard wall. The byres are clean and well attended to.

TOWNS' END FARM.—Dairy, cowbyre and stable all approved of as to lighting, ventilation and cleanliness.

THORN TREE HOUSE FARM.—No additions, alterations, or improvements have been made here during the past year excepting a new floor put down in the sitting-room and new doors to buildings and pointing of roofs. The fold yard is wet and liquid filth collects near the open windows of the cowbyres.

Some of the buildings are still very dilapidated and the repairs required are numerous and extensive if the farmstead is to be brought into good condition.

One of the byres required lime-washing, and the pavement outside both cowbyres should be repaved.

BRAMBLES FARM.—A drain required in the second cowbyre and mentioned in my reports for the past two years had not been put in. The drainage of the fold yard was not satisfactory but would be attended to after manure had been removed. The other cowbyre is in a satisfactory state.

COLD KNUCKLES FARM.—The scullery roof and that of the house had been pointed, and the flue in the upper bedroom repaired so that a fire can be lighted in the lower room without risk of suffocating those sleeping in the bedroom above. The cowbyres have received attention and provision been made for additional light and ventilation, and the dangerous roof and the wall of the barn made secure.

I was told by the tenant that a great deal had been done during the year, to the farmstead, in fact more than for the past 30 years, but much is still required as for example:—Spouts to out-buildings, also the fold yard should be raised and given a fall towards the drain. The out-buildings are very dilapidated and some beyond repair, the lower part of the outer wall of the cowbyre is still out of repair, and liquid from the fold yard soaks into the foundations. The second byre has had glass tiles put in the roof, and additional ventilation provided and earthenware feeding troughs fixed. The harness room is still used as a bedroom, but the bedroom accommodation is now adequate and the harness room is used from choice, not from necessity.

STREETS AND FOOTPATHS.

THE FOOTPATHS in North Ormesby are for the most part satisfactory with the exception of portions of footpath in King's Road, at the end of James Street, also in Derwent Street, near to Dorothy Street, and that round the Church.

THE STREETS are clean and well kept in the old part of North Ormesby, but some of them require the centre raising and holes filling in, as for example, Harrison, Esk, and Derwent Streets.

THE STREETS requiring early attention are Jubilee Street, Coltman Street, Beaumont Road, Marsh Road and Gas Works Road.

The surfaces of these streets are all very bad and full of depressions, and allow water to collect in wet weather and are generally covered with mud and filth. The health of the tenants living in the houses in these streets must as a consequence be lowered, the homes cannot be kept clean, and if in the summer time we get hot weather the children living in these cottages will certainly suffer from Epidemic Diarrhœa. The streets are really the children's playground so that not only is the condition of the home influenced by the manner in which your streets are made and kept, but the children's health suffers very considerably if the front and back streets are allowed to become filthy.

Portions of the streets mentioned are at times covered by large pools of water, which remain for weeks, there are several inches of mud on the surface, which in wet weather is carried into the homes by those using the streets, and in dry weather dust is blown in by every breath of what should be fresh air.

The condition of these streets is so bad that the clean and tidy housewife will as time goes on disappear from the cottages in them, and the houses will

become dirty, uncared for and unhealthy, and the tendency is for the tenants to sink lower in self respect, the children to become untidy, and the husband to find comfort and happiness elsewhere.

The first remedy for slum property is improvement in the sanitary surroundings of those living in it, and the best and most recently built cottages may so degenerate by neglecting sanitary measures that the occupants become careless and unthrifty, and the tenants, worth having, remove in order to improve their surroundings, and the property in time is then occupied by those who are less particular in habits of cleanliness and not so considerate for the health and comfort of their children and themselves.

THE BACK STREETS behind these more recently built houses, are in an equally bad, or worse, condition. If not paved, they should be filled in and covered with fine slag or ashes. At present, they are in a disgraceful state, having deep ruts in them and covered with mud, pools of water, and refuse thrown from the cottages. The nuisance arising from this should be dealt with before the spring, and not delayed till a serious outbreak of disease in this part of the town proves the necessity for improving the present insanitary condition of these front and back streets.

The back streets referred to are :—

Back	Esk Street
„	Thomas and Maria Street
„	„ „ Dorothy „
„	Dorothy and Coltman „
„	Coltman and Jubilee „
„	Jubilee Street and Kings Road
„	Beaumont Road
„	Rydale and Jubilee Street
„	„ „ Tunstall „
„	Telford „ Thorrold Terrace

In accordance with the Factory and Workshops Act, 1901, I include in my report tabulated statements of the Factories and Workshops and Bakehouses in your District, dealing with the requirements of the Act as to Sanitary condition, ventilation, air space, etc.

Scarlet Fever was found to be in the home of a seamstress living at 22 Tees Street, who had work in the house at the time of my visit, also at the home of a girl who lived at 48 Moses Street and worked as a tailoress in Middlesbrough

there was a case of Scarlet Fever, and at two cottages, viz., 13 Morris Street and 60 Moses Street, where Scarlet Fever occurred dressmaking was done which resulted in the spreading of the disease as mentioned in the present annual report.

The Tables required by the Local Government Board and a Sketch Map of the District showing the houses from which Infectious cases were notified under the Infectious Diseases Notification Act, also the report of the Surveyor and Inspector of Nuisances are included in the report.

I am, Gentleman, yours obediently,

To the Ormesby

Urban District Council.

January 23, 1903.

WILLIAM KNOTT,

MEDICAL OFFICER OF HEALTH.

ANNUAL REPORT OF THE SURVEYOR AND INSPECTOR OF NUISANCES.

Council Offices, North Ormesby,

January, 1903.

TO THE URBAN DISTRICT COUNCIL OF ORMESBY.

GENTLEMEN,

I respectfully lay before you the Annual Report for the year ending December 31st, 1902.

NOTICES.

Statutory Notices for the Abatement of Nuisances caused by various Sanitary Defects have been served during the year as follows, viz. :—

Blocked Branch Drains	...	...	...	44
Defective Sanitary Pans	..	...	...	9
.. Ashpits and Privies	...	...	...	41
.. Roofs	...	...	...	10
.. Yard Paving	...	...	...	9
.. Walls	...	...	...	9
Defects—Various	...	...	...	3
House Drains without Trap	8
Accumulation of Filth on Premises	2
Depositing Filth in Public Place	1

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In addition a considerable number of Defects and Nuisances connected with drains, sinks, ashpits, etc., have been dealt with without either the serving of Statutory Notices or having to report the same to the Council.

UNSOOUND MEAT, ETC.

A careful watch has been kept to detect any Unsound Meat or Food prepared for human consumption. Legal proceedings have not been necessary.

INSPECTIONS.

There have been very few special complaints made, and these have all been satisfactorily dealt with on verbal intimation. The slaughter-houses, cow sheds, milkshops and dairies, have on Inspection been found in a satisfactory condition. There has only been occasion to complain in one instance, and this was promptly attended to.

SCAVENGING.

The whole of the scavenging of the district is being executed by the Council's workmen in a fairly satisfactory manner. The sinks and gullies in private yards continue to be cleaned out by your staff. More care is needed on the part of occupiers to keep matter which should be foreign to drains out of them.

FIRE BRIGADE.

The Fire Brigade has regularly performed its various duties, and the equipment is in good order. There has been only one fire during the year, which occurred on the 20th of April last, on the premises of Mr. John Day, Grocer, at the corner of Smeaton and Pennyman Streets. There was considerable damage done which would have been of a much more serious nature but for the prompt measures taken by your Fire Brigade.

DISINFECTING AND CLEANING.

Each case of Infectious Disease, as reported and ordered by the Medical Officer, has been duly disinfected. I am of opinion that the various public schools in the district might be advantageously disinfected periodically:—say during holiday times or at the latter end of the week.

SEWERAGE.

The whole of the Sewers have been thoroughly flushed with large flushing boiler once during the year, and with smaller flushing appliances at intervals. Considering the little fall that the district drains have, and the consequent need for thorough periodical flushing, it is much to be regretted that the late Local Board of Health disposed of its large flushing boiler. The possession of another of similar dimensions is essential if the Drainage System of the district is to be kept in good order.

The Sewer running under "The Grove" and the dwelling house erected by Mr. S. E. Thorrold, has been diverted, and is now in accord with your Bye-Laws and Common Law, and working satisfactorily. Mr. J. W. Pennyman has extended the King's Road and Ormesby Road Sewer to the houses in course of erection in Ormesby Road near "Whitehouse" Farm.

PUBLIC WORKS AND IMPROVEMENTS.

Various Improvements have been carried out in the district by the Council and others, viz :—

Kerbing and Channelling the Ormesby and Guisbro' Road, from St. Cuthbert's Church to Ormesby Villiage.

Repairing considerable portions of various streets, both roadways and footpaths.

Repairing portions of Back Streets, consequent on relaying of drains.

Footpaths Flagged in Hampden, Hymers, Alfred, James, Pennyman, and Moses Streets.

Improved Lighting of Ormesby, Cargo Fleet, and Beaumont Roads, and Esk, Thomas, Jubilee, Thornton, Coltman, Ryedale, and Dorothy Streets

Repairing, Cleaning, and Putting in Order of "Seldom Seen" Sanatorium.

Crossings :—Several relaid.

Various Public Seats provided.

Footbridge :—Erection of Near "Keld House" Farm.

The Numbering of Houses in new part of district.

PRIVATE IMPROVEMENTS.

The following private Improvement Works have been executed, viz :—

The flagging and channelling of west side of West Terrace.

The paving of various back roads at Cargo Fleet.

The removal of a dangerous step on the footpath of Prospect Terrace, Cargo Fleet.

The diversion of West Marsh sewer.

The flagging of footpath, portion of James Street.

Considerable repairs have also been executed at the various Farm Houses which bring them more in harmony with sanitary requirements.

NEW BUILDINGS.

During the year building operations have been normal. The buildings erected and in course of erection during the year are :—

1 New Police Station, King's Road.

1 Workman's Club, Beaumont Road.

101 Dwelling-houses.

1 Warehouse.

Total, 104.

During the year plans have been submitted to the Council and approved for the following buildings, viz. :—

- 26 Dwelling-houses.
- 2 Warehouses and Bath Rooms.
- 1 Workshop.
- 1 Addition to Dwelling-house.
- 3 Additions to business premises.
- 1 Addition to Gas Works.
- Total, 34 buildings.

Also 2 preliminary block plans have been approved.

Private improvements in new part of Township.

The plans and estimates have been submitted, and the notices served on the various owners, for the execution of this work.

THE AMENDED FACTORY AND WORKSHOP ACT, 1901.

I have inspected the various work-places included in the provisions of this Act, and have to report that the general sanitary condition of these places is good. The only exceptions to this are the need of proper sanitary conveniences for the men working at Mr. Levy's smithy in Langbaugh Place; the workshop occupied by Mr. Clay at the corner of Pennyman and Charles Streets is badly ventilated; and the sanitary convenience at the Tees Bridge Works is, in my opinion, inadequate, and shockingly situated in the interests of decency and facility for cleansing. There are :—

- 2 Factories with mechanical power employing more than 40 hands.
- 9 " " " " " " less " "
- 15 Workshops without " " " " " "
- 10 Retail Bakehouses

which come within the scope of the Act. I have visited all these, and placed them on the Factory and Workshop's Register.

I am, Gentlemen,

Your obedient servant,

WM. G. HARRISON.

List of Factories and Workshops within the Urban District of Ormesby, period ending December 31st, 1902.

FACTORIES EMPLOYING MORE THAN 40 HANDS.

Factor-ies List No. on Regis-trar	Occupier and Address	Owner	Situation of Work Place	Nature of Work	If existing January 1st, 1892	If suffi-cient means of escape from fire	No. of Hands	No. of Closets	Ventil-ation	No. of Rooms	Dimensions and Cubical Space
1	The Tees Bridge Works, Ltd., Marsh rd., N.O.	Selves	Marsh rd., N. Ormesby	Iron Bridge Building	Yes	Yes	200	6* Insuf-ficient	Good		Practically open to the air As above
2	Warner & Co., Ltd., Marsh rd., N. Ormesby	Selves	Marsh rd., N. Ormesby	Steel Ingot Manufacturers	No	Yes No Certificate	51	3	Good		

WORKSHOPS EMPLOYING LESS THAN 40 HANDS WITH MECHANICAL POWER.

5	Goult, Alfred	The Assets Co., Agent, W. R. Meggeson, Hazeldene, Woodlands rd., M'bro Selves	Lower High st North Ormesby	Joiner	1896. Yes	Yes	3	1	Good	1	15' x 20' x 11' = 11000 cu. ft.
26	Wm. Robinson & Co., Cargo Fleet road, North Ormesby	Selves	Cargo Fleet road, North Ormesby	Saw Mills and Joinery	1896. No	Yes	38	2	Good		
27	W. J. Watson & Co., Timber Merchants, &c., Middlesbrough	N.E. Railway Co., York	West Marsh, North Ormesby	Saw Mills and Joinery	1896. No	Yes		1	Good		
28	T. D. Ridley & Sons, West Marsh, North Ormesby	N.E. Railway Co., York	West Marsh, North Ormesby	Builders, Con-tractors and General Fit-ters, &c.	1896. No	Yes	20	1	Good		
29	North Ormesby Gas Co., Ltd.	Selves	Gas Works' Board, North Ormesby	Manufacture of Gas	1896. Yes	Yes	6	1	Good		
30	W. A. King, The Limes, King's road, North Ormesby	Self	Kruger Alley, King's rd., North Ormesby	Joiner	1896. Yes	Yes	20	1	Good		
31	S. E. Thorrold, The Grove, N.O.	J. W. Pennyman, Esq., Ormesby, R.S.O., Yorks	Brickworks, Stephen-son st., N.O.	Brickmaking	1896. No. Works only in the Summer	Yes	11 Summer only	1	Good		
32	J. Evans, Ironfounder, Marton rd., M'bro	Miss E. C. Brown, Ormesby, R.S.O. Yorks	Cargo Fleet, near Middlesbrough	Iron Moulding	1896. Yes	Yes	20	2	Good		
33	Brown, Miss E. C., Ormesby House, Ormesby, R.S.O., Yorks	Self	Cargo Fleet, near Middlesbrough	Brickmaking	1896. Yes	Yes	15	None	Good		
	W. H. Wood & Co., Ltd., Marsh rd. N. Ormesby	Selves	Marsh road., North Ormesby	General Fitters, &c.	1896. No	Yes	30	6	Good		

The Cubical spaces of the above is practically without limits. *One of which is a lock-up closet.

List of Workshops employing less than 40 hands (without Mechanical Power).

Workshop No. on Register	Occupier and Address	Owner and Address	Situation of Workplace	Nature of Work	If sufficient means of escape from fire	No. of Hands employed	No. of Closets	Ventilation	No. of Rooms	Dimensions of Cubical Space
1	Allen, Edith	4 Cromwell st., North Ormesby	Removed to Middlesbrough							
2	Clay, Edward, 22 Charles st., North Ormesby	Mrs. Malthouse, Grange rd., E., Middlesbrough	22 Charles st., North Ormesby	Boot Repairing	Yes	2	1	None	1	16' x 15'6" x 10'2" = 2521 cu. ft.
3	Denson, R. D., 38 High street	Self	38 High st.	Printing	Yes	3	1	Good	3	15' x 10' x 9' = 1350 cu. ft. 15' x 10' x 8'9" = 1313 cu. ft. 16'3" x 10' x 9' = 1643 cu. ft. Total 4305
4	F. Fenwick, 11 Smeaton street	Self	11 Smeaton st., North Ormesby	Millinery	Yes	2	1	Good	1	17' x 15' x 10' = 2550 cu. ft.
6	Gout, George, High st.	Self	High st., North Ormesby	Boot Repairer	Yes	3	1	Good	1	15'9" x 8' x 8'3" = 1046 cu. ft.
7	Fieldhouse, Bros., 21 Smeaton st.	Selves	21 Smeaton st., North Ormesby	Plumbers and Glaziers	Yes	3	1	Good	1	24' x 15' x 11' = 3696 cu. ft.
8	Hadley, Albert, 35 Smeaton st., North Ormesby	George Skipsey	35 Smeaton st., North Ormesby	Boot Repairing	Yes	2	1	Good	1	14' x 12' x 9' = 1512 cu. ft. Total 5208
9	Lynas, Chas. E., 3 King's rd., North Ormesby	The Assets Coy. (Mr. W.R. Meggeson, Woodlands rd., Agent)	Telford st., North Ormesby	Joiner	Yes	2	None	Good	1	8' x 8'6" x 8' = 544 cu. ft.
10	Robinson, Misses, 1 King's rd., North Ormesby	Edward Shave, Market place, North Ormesby	1 King's rd., North Ormesby	Dressmaking	Yes	2	1	Good	1	55' x 11'6" x 10' = 6425 cu. ft.
11	Levy, Lewis, 11 and 13 High st.,	N. E. Railway Company, York	6 Langbaugh place, North Ormesby	Blacksmith	Yes	2	None	Good	1	28' x 33' x 12' = 11088 cu. ft.
12	Tawn, George, 34 Smeaton st., North Ormesby	G. J. Crone, Westbourne Grove, North Ormesby	34 Smeaton st., North Ormesby	Boot Repairer	Yes	2	1	Good	1	14' x 13' x 9' = 1638 cu. ft.
13	Mrs. Nightingale, 49 High st., N.O.	Mrs. Pickering, Westbourne Grove	49 High st., North Ormesby	Dressmaking	Yes	2	1	Good	1	14'9" x 13'3" x 10' = 1954½ cu. ft.
14	David Wright, 26 Smeaton st., North Ormesby	W. Harrison's Executors, Agent—T. Graham, 4 Grove rd.	26 Smeaton st., North Ormesby	Tailor	Yes	2	1	Good	1	14' x 13' x 9' = 1638 cu. ft.
15	Jackson, George, Ormesby, R.S.O., Yorks.	J. W. Pennyman, Esq., Ormesby, R.S.O., Yorks.	Ormesby, R.S.O., Yorks.	Joiner	Yes	3	1	Good	1	25'4" x 20'6" x 9' = 4658½ cu. ft.
16	Wilkinson, Joseph	Miss E. C. Brown, Yorks.	Ormesby, R.S.O., Yorks.	Blacksmith	Yes	3		Good	1	17' x 39' x 8'6" = 5635½ cu. ft.
34	Porritt, William, 20 King's rd., N.O.	Agent—T. Graham, 4 Grove rd., N.O.	Behind King's rd. and Bargate st., N.O.	Joiner	Yes	2		Good	1	20'6" x 10'9" x 8'6" = 1873½ cu. ft.

The above measurements, where the space above eaves is open to the tilings, is measured half up the perpendicular height of the roof.

List of Workshops and Bakehouses, without Mechanical Power, employing less than 40 hands.

No. on Register of Workshop List	Occupier and Address	Owner and Address	Situation of Workshop	Nature of Work	If sufficient means escape from fire	If Painted or Lime-washed	Ventilation	Position as to Ground Level	Are general Sanitary requirements conforming to	Dimensions and Cubical Space	No. of hands
17	Smith, Jane A., 1 Beaumont rd., North Ormesby	W. A. King, The Limes, King's rd., North Ormesby	1 Beaumont rd., North Ormesby	Retail Bakery	Yes	Painted	Good	Ground Level	Yes	6' 9" × 7' 9" = 425½ cu. ft.	1
18	Grainger, S., High st., North Ormesby	G. J. Crone, Westbourne Grove, North Ormesby	High st., North Ormesby	Retail Bakery	Yes	White Washed	Good	Ground Level	Yes	13' × 11' 6" × 9' = 1,315½ cu. ft. 10' 4" × 8' × 7' 9" = 661½ cu. ft.	1
19	Porratt, Wm., High st., North Ormesby	Self	High st., North Ormesby	Retail Bakery	Yes	Colour Washed	Good	Ground Level	Yes	7' × 12' 2" × 8 = 681½ cu. ft. 7' 9" × 8' 2" × 9' 6" = 601½ cu. ft.	2
20	Hill, Mary, 103 Smeaton st., North Ormesby	Caroline Hobson, 107 Smeaton st., North Ormesby	105 Smeaton st., North Ormesby	Retail Bakery	Yes	Colour Washed	Good	Ground Level	Yes	8' 6" × 6' 9" × 16' 6" = 1,229½ cu. ft.	1
21	Robinson, Rebecca, Smeaton st., North Ormesby	Smeaton st. North Ormesby	Smeaton st. North Ormesby	Retail Bakery	Yes	Colour Washed	Good	Ground Level	Yes	16' × 6' 9" × 8' = 861 cu. ft.	1
22	Bolton, Benjamin, 19 Market Place, North Ormesby	J. H. Graham, Ltd., Newcastle-on-Tyne	19 Market Place, North Ormesby	Retail Bakery	Yes	No	Good	Ground Level	Yes	12' × 10' × 11' 6" = 701½ cu. ft.	2
23	Dodsworth, Hy., 2 Coltman st., North Ormesby	Edward Garbutt, 10 Albert Terrace, Middlesbrough	2 Coltman st., North Ormesby	Retail Bakery	Yes	Colour Washed	Good	Ground Level	Yes	12' 9" × 8' × 8' = 816 cu. ft.	1
24	Smith, Jane A., 18 Cromwell st., North Ormesby	W. A. King, The Limes, King's rd., North Ormesby	18 Cromwell st., North Ormesby	Retail Bakery	Yes	Papered	Good	Ground Level	Yes	11' 4" × 13' 9" × 8' 7" = 1,322½ cu. ft.	1
25	Day, John, Westbourne Grove, North Ormesby	S. E. Thorrold, The Grove, North Ormesby	15 Harrison st., North Ormesby	Retail Bakery	Yes	Lime Washed	Good	Ground Level	Yes	10' 3" × 12' 9" × 9' 6" = 1,211½ cu. ft.	2
35	Neale, J. G., Junr., 48 & 50 Coltman st., North Ormesby	Self, 48 & 50 Coltman st., North Ormesby	50 Coltman st., North Ormesby	Retail Bakery	Yes	Lime Washed	Good	Ground Level	Yes	11' 6" × 10' 6" × 8' 6" = 1,026½ cu. ft.	1

The whole of the above are worked by either the tenant or some member of the family. Where the roof is open above the eaves the measurements have been taken to half of the perpendicular height of the roof.

