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MARYPORT URBAN DISTRICT.

ANNUAL REPORT

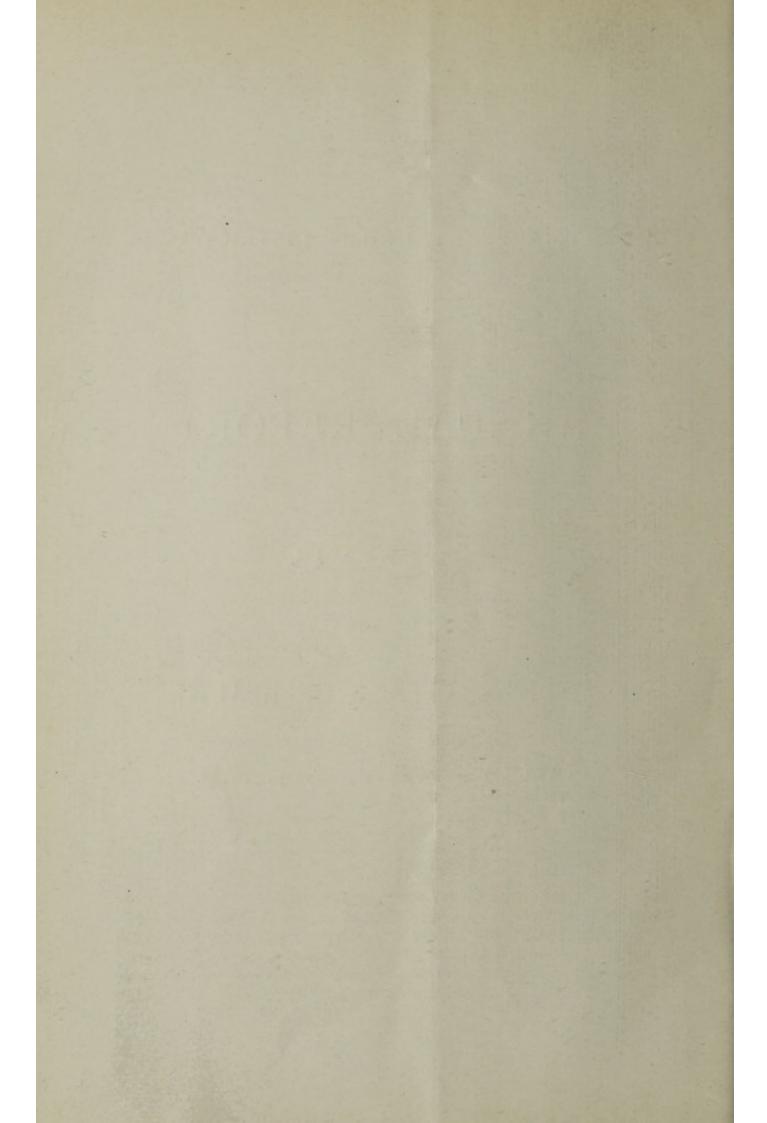
FOR

1905

OF THE

MEDICAL OFFICER OF HEALTH,

JAMES LITTLE, Esq., M.D.



URBAN DISTRICT OF MARYPORT.

Annual Report of the Medical Officer of Health,

For the Year 1905.

To THE

MARYPORT URBAN DISTRICT COUNCIL.

Gentlemen.

In submitting my annual report for 1905, I must make a few preliminary observations on the question of population. In the early part of the year I found that there had been a considerable increase of population, more particularly in certain districts, and that calculations based on the old estimates of population had ceased to be accurate. I accordingly made a re-estimate of the population based upon the number of houses in occupation as compared with 1901. Without going into details I found that there was an increase in all the wards: slight in the North Ward, and considerable in the South and East Wards. The result was as follows in round numbers:—

North Ward	 	4,150
South Ward	 	4,400
East Ward	 	3,850
Total	 	12,400

or an increase of 504 over the census returns 1901. It is probable that our Birth and Death Rates for the last year or two should have really been rather lower than as set forth.

The Local Government Board's tables are the same as in recent years except that they have added a fifth to the four already in use. It consists of an analysis of the causes of death in infants under twelve months old, in weeks and months. I shall have to refer to this matter later on.

Birth Rate The number of births registered during the year amounts to 352 of which 110 belong to the North Ward; 103 to the South; and 139 to the East Ward. With the revised population we therefore get the following Birth Rates:—

North Ward ... 26:50 per 1000 of the population.

There is as usual a much higher birth rate in the East than in the other Wards, due no doubt to a younger population, and its being principally of the working class. On the whole the birth rate is much lower than the average of the previous ten years which was 31 21 as compared with 28 38 in 1905. The birth rate for the whole of England and Wales in 1905 was 27 2, and of the 141 smaller towns 26 29, so that we are still fairly well ahead.

Death Rate. The number of deaths registered during the year as belonging to the district was 190, of which 63 occurred in the North Ward; 69 in the South; and 58 in the East Ward. One death occurred in the Maryport Cottage Hospital, but as it belonged to Wigton it is not included, and notice was sent to the Medical Officer of Health of that district. We have therefore the following death rates:—

North Ward ... 15 18 per 1,000 South Ward ... 15 68 ,, ,, East Ward ... 15 16 ,, ,, Whole District ... 15 32 ,, ,,

The death rates in the different wards are surprisingly even. The rate is the lowest since 1899 and is considerably below the average of the last ten years, which was 16:35. Great inequality is shown in the rates of the different quarters, the first being nearly equal to the other three together. This was due largely to an epidemic of Measles which will be noticed later on.

The death rate for England and Wales in 1905 was 152, and of the 141 Smaller towns 144 which must be, I should think, a record, and is rather less than our own. Our death rate is usually considerably lower than that of England and Wales, but owing to the accident of the Measles epidemic already mentioned it is slightly higher, though still very low. Table IV. shows the causes of death classified according to age and locality; from which it appears that there were from Measles 35 deaths; Typhus Fever, 1; Diarrhæa, 5; Enteritis, 5; Phthisis, 11; other Tubecular Diseases, 6; Cancer, 6; Bronchitis, 18; Pneumonia, 13; Pleurisy, 1; other respiratory diseases, 4; Alcoholism, 3; Premature Births, 6; Diseases and Accidents of Parturition, 2; Heart Diseases, 19; Accidents, (including Drowning), 7; Suicide, 1; Rheumatic Fever, 1; and all other causes 47.

The common diseases, Measles, Bronchitis and Pneumonia are thus shown to be far the most fatal on the whole. The most important of these will be noticed under separate headings.

Infant Mortality. The importance attached by the Local Government Board to this section is shown by their issuing an entirely new table showing deaths from stated causes in weeks and months. I am pleased to be able to record a considerable decline in the mortality under this heading, the number of cases being 45, which is the lowest, with two exceptions, during the last ten years. The rate per 1000 births registered was 127, as compared with 152, the average of the previous ten years. The rate for England and Wales in 1905 was 128, and of the 141 smaller towns 132 per 1000 births registered, so that for once we are below the average.

From table V. it appears that of these 45 deaths, 10 died from Measles; 3 from Diarrhea; 4 from Gastritis; 6 from Premature Birth; 5 from Congenital defects; 1 from injury at birth; 2 from Marasmus or wasting; 1 from Tuberculosis; 1 from Rickets; 1 from Meningitis; 2 from Convulsions; 5 from Bronchitis; 2 from Pneumonia; and 2

from other causes. Also that 7 died during the first week; 13 the first month; that there was then a falling off for some months, and again an increase towards the end of the first year of age.

The Zymotic Death Rate is again rather high. 41 deaths are due to this group, which includes the seven principal epidemic diseases.

The rate therefore works out at 3.3 per 1000. The cause of the large Zymotic mortality was the epidemic of Measles in the early portion of the year, no less than 35 deaths being due to this cause. Epidemic Diarrheea caused 5 deaths and Typhus Fever 1.

Phthisis was the cause of death in 11 cases, giving a rate of 0.88.

Other Tubercular Diseases accounted for 6 deaths, making with the 11 deaths from Phthisis, 17, or a death rate of 1.37 for all forms of Tuberculosis.

Cancer. 6 cases were ascribed to this cause, equivalent to a death rate of 0.48 per 1000.

Respiratory Diseases are again a heavy item, 26 deaths falling under this class, of which 18 were cases of Bronchitis; 13 of Pneumonia; 1 of Pleurisy; and 4 of other Respiratory diseases. In addition to these nearly all the cases classed under Measles really died from Respiratory Complications.

Notification of Infectious Diseases. There was a great falling off from the previous year in this section. 54 cases were notified altogether; 4 being cases of Small pox; 4 of Diphtheria; 7 of Erysipelas; 38 of Scarlet Fever; and 1 of Typhus Fever. Table III. shows these cases grouped according to ages and localities.

The Small-pox cases all occurred in one house in North Street, where the disease had been imported from Kendal. They were all removed to the Isolation Hospital as the cases developed. They all refused to be vaccinated, but readily submitted to be quarantined. Disinfection was thoroughly carried out and the disease did not spread to any of the neighbouring houses. A report of the outbreak was sent to the Local Government Board and the County Council.

Of the Diphtheria cases, 3 occurred in the South Ward, and one in the East. All recovered.

The Scarlet Fever cases were of the same type that we have been accustomed to of recent years, and none died.

The Typhus Fever case was a very obscure one. Some of the symptoms were equivocal; there was no connection traceable to a previous case, and it was only because the case resembled Typhus more than anything else that a provisional diagnosis of Typhus Fever was agreed on. The case was notified to the Local Government Board.

Water Supply. The annual visit to the sources of the water supply was made on July 4th. The day was very fine and the inspection made under easy conditions. The service reservoir at Hayborough was visited and a good head of water noted. Also the filter beds at Belle Vue and the pumping station at the Goat, and everything found satisfactory. A visit was made to the Keswick Sewerage Works. The weather had been fine and dry, and the result was that the state of affairs was as satisfactory as it is ever possible to be. The same remark applies to the condition of the Portinscale Sewerage Works.

The condition of the water supply during the year appears to have been satisfactory as regards the quality.

Factories and Workshops Act. There are 74 Workshops (including Bakehouses) on the Register. 409 inspections were made during the year, and on the whole the conditions were found sanitary; 5 written notices were served for want of cleanliness, and the defects were immediately attended to. One case of overcrowding was reported by H M. Inspector of Factories, at a workroom in John street, but the explanation given proved satisfactory and no action was taken.

Measles Epidemic. The Epidemic of Measles which was imported from Dearham in the last quarter of 1904, soon spread over the whole district. There had not been a serious epidemic for some years, so that there was naturally a good deal of inflammable material at hand. The Infant Schools were all closed as the various parts of the district became in-fected. Unfortunately the weather was very cold, and a great number of deaths resulted from chest complications. A report on the Epidemic was afterwards sent to the Local Government Board.

Sanitation On January 17th I made an examination of the roofs of two houses in King Street which had been closed for some time; they were in a dangerous condition, daylight appearing through the roofs, even from the street. It was recommended that they be either properly made up or pulled down to avoid possibly serious damage.

On March 5th, I inspected Mandle's Yard, John Street, and found it in a very uneven condition and therefore wet and dirty. It has been since levelled up and paved

On June 26th, in company with the Inspector, I made an inspection of the whole of the district left unvisited last year; that is of the whole of the East Ward and of the portion of the South Ward across the river.

Ellenborough. Most of the recommendations included in the last report have been carried out. The downspouts which formerly ran direct into the sewer have been disconnected. Many of the old privies have been connected with the sewerage system, but there were a few others still not connected, and amongst them were four which were urgently in need of attention. They serve the following houses: Nos.

2, 4, 6, 8 and 10; they were just wooden erections in a broken-down and ruinous condition, and besides being insufficient for their proper purpose, they served as breeding grounds for flies, &c. Two of them were on the road side, and were at times very offensive. They have since this report been rebuilt and connected with the sewerage system.

The Slaughter House at Mr. Greenhow's was visited and found clean and sanitary.

Netherton. Since last report a larger and deeper sewer has been laid down the back streets, and all the privies complained of have been connected with the sewerage system except a block bounded by Jane Street, Albert Terrace, and the south-east side of James street. Many of these privies were in an offensive state and in the hot weather gave off a very disagreeable effluvium. It was recommended that they should all be connected with the sewerage system, and that in the meantime they should be compulsorily cleaned out every week and disinfectant sawdust applied freely to the bottoms and sides of the pits.

Glasson. The street in front of Norman Terrace complained of at last report has been repaved as also that at the back of the same street. The back street between Ellenborough Place and Gilmour Street was much broken up and uneven, and wanted levelling and repaving.

Before leaving this part of the report may I call attention to the state of the long steps leading from the Brow Top into Wallace Lane. In spite of the notice boards which were put, the nuisance still exists as bad as ever, and no one has ever been summoned. The condition of the steps especially on a Sunday morning, is a disgrace, being disgusting in daylight, and dangerous in the dark.

Port Sanitation and Journal. On January 12th, I was called by a Customs Officer to see a sick man on board the s.s. "Elorrio," but found nothing worse than Bronchitis.

On March 9th I had a notice from the Hull and Goole Port Sanitary Authority, of the arrival at Hull of the s.s. "Springwell" from Bombay—a Cholera port—and that a man called Taylor had been allowed to proceed to his home at 15 Elizabeth Terrace, Netherton. I visited him the following day and found him quite well.

On April 29th I received notice from the Customs that the Spanish steamer "Uriarte No. 4," from Ergasteria, was lying in the roadstead with the Master dead on board. A medical certificate, however, was forthcoming, that the cause of death was Heart Disease, and pratique was granted.

On June 9th I received a notice from the Medical Officer of Health of Liverpool, to the effect that a case of Small-pox had occurred on board the s.s. "Oropean," and that one of the officers was proceeding to his address in this town. On enquiry it was found that the incubation period was long past, and the man quite well.

On June 13th I attended an enquiry at Keswick into the new sewerage scheme proposed for adoption. As the result was entirely favourable to us, it was an affair of watching only.

On August 3rd I received notice from the Customs that the ss. "Banana" from the West Coast of Africa and Carthagena, was in the Senhouse Dock, with possibly infectious disease on board. Some of the crew had had Malaria, and one man had disappeared during the voyage. I found that the men had all been paid off and discharged. Nearly all, including the officers, had had Malaria, which is not infectious.

During the month of August, I, in common with other Medical officers, had some correspondence with the Secretary of the Cumberland Education Committee with reference to the proposed transfer of reading books from school and school, and the possibility of spreading infectious diseases by this means; I received copies of the scheme with instructions issued by the Medical Officer of Health of the Carlisle Rural District, for the disinfection, etc., of infected schools, involving the burning of all infected books, and these appeared to me to be sufficient.

On November 13th I received a letter from the Customs through your authority, asking for a change of boarding station in the case of vessels from foreign, which are not infected, and which have no case of sickness on board. Infection in this case refers to Cholera, Yellow fever, and Plague only. As there was no reasonable objection to the change, I sent a favourable reply.

On November 28th the master of the s.s. "Baracaldo" was reported sick, but on visiting him I found him suffering from Quinsy only.

On November 30th I received a letter from the Medical Officer of Health of the Port of London, re the s.s. "Isle of Anglesey," Liverpool, as to certain alterations ordered to be made in the forecastle by that Authority. Our inspector visited the vessel, and found that the alterations had not been carried out. She was going to Swansea where it was intended to effect the alterations, and I wrote to the Medical Officer of Health to that effect.

I have the honour to be, Gentlemen,

Your obedient servant,
JAMES LITTLE, M.D.,
Medical Officer of Health.

Maryport, Feb. 2nd, 1906.

TABLE I.

Vital Statistics of Whole District during 1905 and previous years.

Maryport Urban District.

					_					_						
Nett Deaths at Il Ages belong-	the rict.	Rate *	13	19.51	16.00	14.17	10.91	80.91	17.72	90.41	14.87	15.97	17.39	16.34	15.32	12,400 2,528
Nett D	ing to the District.	Number	12	221	184	163	189	178	210	203	177	190	207	191	190	
Share Street	registered in Public Institu-	tions beyond the	District.	-	-		1	-	1	-	-	-				ation. ensus of 190 do.
Deaths of Non-	residents registered in Public	Institu- tions in the	District.	1	1	1	1	-	1	-	1	1			1 1	8, and 13 calculated per 1,000 of estimated population. Total population at all ages at Census of 1901,. Number of inhabited houses
Total	Public Institu-	tions in the District	6	1	-	1	1	1	1	2	21	2	31		1	0 of estin tion at al
in the	Ages.	Rate *	∞	19.51	16.00	14.17	16.01	15.08	17.72	17.06	14.96	15.97	17.39	16.35	15.40	ated per 1,000 of estimated p Total population at all ages a Number of inhabited houses
Total Deaths registered in the District.	At all Ages.	Number	7	221	184	163	189	178	210	203	178	190	202	192	191	alculated Tot Nur
Deaths regist District.	Under 1 year of Age.	Rate rer 1,000 Births	ed.6	172	139	113.5	1.091	105.2	1828	175.5	1269	1675	185.6	152.9	127.8	and 13 c
Total	Under 1 yo	Number	9	65	51	42	29	38	62	99	48	63	7.5	56	45	
chs.		Rate *	4		31.82	32.17	30.16	30.29	58.66	9.18	31.77	9.18	30.93	31.21	28.38	Rates in Colui (exclusive of)
Births.		Number	63	378	366	370	356	361	329	376	378	376	368	365	352	* Rates
	Population estimated to middle	of each year.	61	11,500		"	11,800	"	11,850	11,896	33	33	. "	11,753	12,400	* Rates in Columns 4 Area of District in acres (exclusive of) 150c
	Year.		1	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	Averages for years 1895-1904	1905	Area of Di
I. Institutions within the District receiving sick and \ Victoria Cottons Hamital							Hospital.									
infirm persons from outside the District																
I. Ot	ther In	stitution	ns th	ne de	eat	hs	ın	wh						_		

TABLE II.

Vital Statistics of separate Localities in 1905 and previous years.

Maryport Urban District.

-						1	1
	Deaths under I year.	p		13	4 88	18	12
/ard.	Deaths at all Ages.	c		9	525 99	51	28
East Ward	Births registered.	9		120	128	132	139
4	Population estimated to middle of each year.	a		3.533		3,533	3,850
-	Deaths under 1 year.	p		83	677	119	18
Vard	Deaths at all Ages.	0		83	28.24	0,	69
South Ward	Births registered.	9		118	104 103	113	103
60	Population estimated to middle of each year.	a		4.241	2 2 2	4,241	4,400
	Deaths under I year.	p		30	282	22	15
Vard	Deaths at all Ages.	0		80	51 87	25	63
North Ward.	Births registered	9		138	123	129	110
c;	Population estimated to middle of each year.	a		41,22		4,122	4,150
4,5	Deaths under 1 year.	p	52 52 52 52	8839	382	56	45
e District.	Deaths at all Ages.	0	184 163 189	178 203	177 190 207	192	190
	Births registered.	9	378 366 370 356	361 329 376	378 376 368	365	352
1. Whol	Population estimated to middle of each year.	a	11,500	11,850	- = =	11,753	12,400
Names of Localities	Year.		1895 1896 1897 1898	1899 1900 1901	1902 1903 1904	Averages of Years 1895, to 1904.	1905

TABLE III.

Cases of Infectious Disease notified during the year 1905.

Maryport Urban Dstrict

Notifiable	Cas	ses no	otified	l in	Whol	e Dis	strict	no	al C tified loca	in	ren Hos	of C noved pital loca	to from
Disease.			At	Age	s—Y	ears.		ard.	ard.	Ward.	Ward.	ard.	urd.
	At all ages	Un- der 1	to 5	5 to 15	15 to 25	25 to 65	65 and up- wards.	ort	South Ward	East W	North W	South Ward.	East Ward
Small-pox	4	_	_	_	3	1	-	4	-	-	4	_	_
Cholera	-	_		_	_	-	-	_	-		-		-
Diphtheria	4	-	4	-	-	-	-	_	3	1.	_	_	lico.
Membranous }	-	-	-	-	-	_	-	-	-	-	-	-	-
Erysipelas	7	-		-	1	5	1	3	2	2	-	-	-
Scarlet fever	38	-	16	20	2	-	-	18	6	14	-		
Typhus fever	1		-	-	-	-	1	-	1	-		-	-
Enteric fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Relapsing fever	-	-		-	_	-	-	_	-		-	-	-
Continued fever	-	_	-	-	_	-	-		-	-		-	-
Puerperal fever	-	-	-	-	-	-	-	-		_	-	-	
Plague		-	-	-	-	-	-	-	-	-	-	-	
Totals	54	-	20	20	6	6	2	25	12	17	4	-	-

Isolation Hospital in East Ward, Maryport Urban District.

TABLE IV.

Causes of, and Ages at, Death during Year 1905.

Maryport Urban District.

				istri		t sul	ing t	o ed	Dea belo lo (at	ths ingin	ies	ublic Insti-
CAUSES OF DEATH.		All ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	North Ward	South Ward	East Ward	Total Deaths in Pututions in the D
Small-pox				-		1_		_	_		_	
Measles		35	10	24	1	_	_	_	17	11	7	
Scarlet fever			1-		-		_	-		1		
Whooping-cough			-			1-			-			-
Diphtheria & membranous crou			-		-	-		-	-			
Croup	7/1	_	-	-			-		_	_	-	
(Typhus		1	_	-	_		1	_		1	_	-
Pouce Putario			-	-	-	-	-	_	4	1		1
Other continued		_	_	_				-				1
Evidomio influenza		-		_		_	_	_			_	
Cholora					-						-	
Placeno				_	-	-			_		_	
Diamhone		5	3	2	_	_		_	100000		-	_
Entoritie		5	4	ī		10.0		-	3 2	2 2	1	
Puerperal fever	***	-		- 79		-			_	-		
Enveindles	***			_		_		100				
Other centia discourse												1
Dhthiais		11		1	1	1	8	1	5	4	2	
Other tubercular diseases		6	1		3	i	1	-	2	1	3	
		6	1		0	-	5	1	ĩ	3	2	
Cancer, malignant disease Bronchitis		18	5	1			4	5	4	6	8	1
Pneumonia		13	2	1	12/20		7	3	5	7	1	
Pleurisy	***		2		-		1	0	1			
Other discourse from instances		1 4	1	1		1	1	1	2	1	1	1700
Other diseases of respiratory org	ans		1	1		1	-	1	-	1	i	
Alcoholism, Cirrhosis of liver	***	3				2	5-	1	1	-	1	190
Venereal diseases Premature birth	200	e	6			-		-	2	4		
		6	0				0	1	1	. 4	1	-
Diseases & accidents of parturit	ton	2	138		1	1	2 11	7	5	4	10	1
Heart diseases		19		1	1	2	3	7	3	4	2	177
Accidents, (Drowning)	1	1		1		-	1	1	1	*	-	-
Suicides (Hypothesis forest (Hypothesis forest Hypothesis fore		1	1	1			1	77	1	1	-	-
Kheumatic fever, (Hyperpyrex	1a)	47	19	1	0	1	7	17	10	1	10	-
All other causes		47 1	13	8	2	'	7	17	10	18	19	-
All causes		191	45	44	8	5	54	35	63	70	58	

TABLE V.

Infantile Mortality during the Year 1905. Deaths from stated Causes in Weeks and Months under One Year of Age.

Manuscrat Huban District

Maryport	Urban	Distr	ict.
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Common Common Chicken-pox Chicken-pox Measles Carlet Fever Comp Chicken-pox Chicke		Cause of Death.	Under 1 Week	Weel	2.3 Weeks.	3-4 Weeks.	Total under 1 Month	1-2 Months.	2.3 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Menths.	10-11 Months.	11.12 Months.	Total Deaths under One Year.
Common Infectious Diseases		IIncentified		7 3	3		13	3	1 1 .	4	1	3	4	2	3 8	5 5	4
Diarrhœal Diarrhœa, all forms 1	Infectious -	Chicken-pox Measles Scarlet Fever Diphtheria: Croup											1		1 4	4	10
Tuber-culos Tabes Mesenterica Other Tuberculous Diseases		Diarrhœa, all forms Enteritis (not Tuberculo Gastritis, Gastro- intestinal Catarr	ns)	5 1	1		6		1	1			2	1			4 6
Tuber- culos Diseases Other Tuberculous Diseases Erysipelas Syphilis Rickets Meningitis (not Tuberculous) Convulsions Bronchitis Pneumonia Suffocation, overlaying Tabes Mesenterica 1		Congenital Defects Injury at Birth Want of Breast-milk Atrophy, Debility, Marasmu	s}	1 1	2		4			. 1		 1					1
Syphilis	culos -	Tuberculous Peritonitis Tabes Mesenteric Other Tuberculous Disease	a}														1
Laryngitis Pneumonia Suffocation, overlaying		Syphilis Rickets Meningitis (not Tuberculo Convulsions					••••		1	. 1	···· 1					1	1 1 2 5
		Laryngitis Pneumonia		1			1					1		1			. 2

Births in the year legitimate 339.

Population. Estimated to middle of 1905. 12,400.

Deaths from ALL CAUSES AT ALL AGES 190.

TABLE VI.

Factories, Workshops, Laundries, Workplaces and Homework.

Maryport Urban District.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

		Number of	
Premises.	Inspections	Written Notices.	Prosecutions
Factories (including Factory Laundries)			
Workshops	409	5	
Workplaces			Carrie of
Homeworkers' Premises			
Total	409	5	_

2.—DEFECTS FOUND.

	Nur	Number		
Particulars.	Found.	Remedied	Referred to H.M. Inspector	of Prosecu- tions.
Nuisances under the Public Health Acts :-				
Want of Cleanliness	5	5	-	_
Overcrowding	1	1	-	-
Total	6	6		

3. -OTHER MATTERS.

Action taken in matters referred by H.M.	Notified by H.M. Inspectors 2
Inspectors as remediable under the Pub- lic Health Acts, but not not under the	Reports (of Action taken) sent to
Factory Act (s. 5)	H.M. Inspectors 2

Total number of Workshops on Register, 1905 :- 74