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Contributors

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ARLECDON & FRIZINGTON
URBAN DISTRICT.

Twenty-fourth

Annual Report

OF

JAMES I. LACE,

Medical Officer of Health,

FOR

1907.

Frizington :

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THIRLMERE HOUSE,

FRIZINGTON,

via Carnforth.

MR. CHAIRMAN AND GENTLEMEN,

I beg to submit my Report for the year 1907, being the Twenty-fourth I have made as Medical Officer of Health for the Urban District of Arlecdon and Frizington; together with the usual Statistical Tables of Births and Deaths, showing the Birth-rate and Death-rate from different causes during the year. In dealing with the Vital Statistics, I estimate the population of the District up to the middle of 1907 to be 5,200; an increase of 100 as compared with 1906, and a decrease of 141 compared with the census of 1901. During the twelve months ending December 31st, 1907, there were registered in the District 163 births (being the same number as that of the previous year)—98 boys and 65 girls. The birth-rate was 31·34 per 1,000 of the population in the entire District—49 in Arlecdon and 114 in Frizington. During the year

there were registered 76 deaths, equivalent to a death-rate of 14·61 per 1,000 per annum ; a decrease of 3·60 upon last year. Two of the deaths were registered in the Whitehaven Infirmary, and three in the Whitehaven Union Workhouse, and these being added to those registered in the District bring the total deaths in or belonging to the District, as shown in Table V., to be 76 ; so that making an allowance for these five, the death-rate of the District for 1907 was 13·65. The excess of births over deaths, representing the natural increase of the population, was 87 ; being 16 more than that of last year.

The death-rate in the District for the quarterly periods, were :—

1st Quarter	...	9·80	...	17 deaths
2nd „	...	8·07	...	14 „
3rd „	...	9·80	...	17 „
4th „	...	13·07	...	23 „

The mortality among children under one year of age (including premature births) numbered 19 ; being the same in number as that of the previous year. Measured by the proportion of deaths to the births registered, the Infantile Mortality in the District was equal to 116 per 1,000 per annum. The death-rate of children under five years of age to one hundred deaths at all ages in 1907, was 34·21. The senile deaths numbered 17 ; or 22·36 per cent. of persons aged 65 and upwards. The number of deaths ascribed to the nine principal Zymotic or Preventable Diseases during 1907 was two ; one of Whooping Cough and one Enteric Fever. In the case of Whooping Cough, the death was registered in a Public Institution beyond the District ; and after a careful examination of the premises in the Enteric case, no sanitary defects were discovered.

Under the Infectious Disease (Notification) Act, thirteen cases were notified during the year, being eight less than either of the two previous years. There were six cases of Scarlet Fever ; one of Diphtheria ; one of Enteric, or Typhoid Fever ; and five of Erysipelas. Four of the Scarlet Fever patients were removed to the District Infectious Disease Hospital, at Galemire. The rooms occupied by these patients were thoroughly disinfected and fumigated by the Sanitary Inspector. The other patients were treated at their homes, disinfectants being gratuitously supplied. The whole of the Erysipelatous cases were of the simple cutaneous variety. Measles, of a mild type, were prevalent in Arlecdon during the months of June and July. The disease was introduced by a family of new-comers, from Workington. Every precaution was exercised by the Council's Officials to localize the disease, and the outbreak was soon extinguished.

The number of deaths due to Pulmonary Tuberculosis, or Consumption, was seven ; two less than that of last year, and equal to 1.37 per 1,000 per annum. Three deaths were ascribed to Cancer during the year 1907, being three less than that of the previous year.

I have nothing to add to my previous Reports with respect to the adequacy and fitness of house accommodation, which appears to be ample for the population. No new houses have been erected during the year 1907. I have made the usual general inspection of the District, and with few exceptions, found the sanitary condition satisfactory. An abundant supply of wholesome water is a fundamental sanitary necessity, and fortunately you have in Cogra Valley supply a water which is second to none in purity, and which meets all the requirements for drinking and other hygienic purposes.

Under the "Sale of Food and Drugs Act," several test raids were made by the County Police, and twelve samples of different articles were submitted to the County Analyst from the Urban District of Arlecdon and Frizington, viz. : five of milk, one of lard, four of whiskey, one of gin, and one of sago. All were certified genuine, with the exception of the gin, which was found to be reduced 3.58% below the legal limit. Proceedings were taken against the seller, who was fined 20/-, including costs.

I append the Annual Report of your Sanitary Inspector, which gives the particulars of the work done by him during the year.

I am, Gentlemen,

Your obedient servant,

J. I. LACE,

Medical Officer of Health.

THE ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
OF
FACTORIES AND WORKSHOPS, FOR THE YEAR 1907.

MR. CHAIRMAN AND GENTLEMEN,

It is my duty as Medical Officer of Health to submit to you my Annual Report on the administration of the Factory and Workshops Act in the Urban District for the year 1907, and send a copy of the same to the Secretary of State. The Sanitary Inspector and myself have visited and inspected all the Factories and Workshops in the District, and many independent inquiries have been instituted in respect to the sanitation of these places. We found the condition of the Workshops on the whole very satisfactory in regard to cleanliness, air-space, and ventilation. There is only one Bake-house in the District and it has no mechanical power, and as such must comply with the ordinary Workshops requirements. There are also certain special provisions for Bake-houses, and it is the duty of the District Council to enforce these in regard to closets, lime-washing or painting, and sleeping places. We have no list in this District of home-workers. There are 30 Factories and Workshops on the Register—6 of the former and 24 of the latter; 11 are occupied by Dressmakers, 3 by Milliners, 2 by Blacksmiths, 1 by a Shoe-shop, 2 by Cloggers, 1 as a retail Bake-house, 2 by Plumbers, and 2 by Joiners. The number of visits of inspection made during the year by myself was 35; and by the Sanitary Inspector 53.

I am, Gentlemen,

Your obedient servant,

J. I. LACE,

Medical Officer of Health.

COUNCIL CHAMBERS,
 MAIN STREET,
 FRIZINGTON.

MR. CHAIRMAN AND GENTLEMEN,

I have pleasure to lay before you the Sanitary Inspector's Twenty-fourth Annual Report, which gives you a summary of the work done under your authority for the year ending December, 1907.

Summary showing particulars of work done under the Sanitary Authority for the year ending December, 1907 :—

Inspections of Dwelling Houses	...	...	1257
" " Workshops	...	...	53
" " Cowsheds and Dairies	...	...	30
Nuisances recorded	...	...	160
Final Notices issued	...	...	35
Dwelling Houses Fumigated	...	...	6
Water Services renewed	...	...	15
Dry Closets converted into W.C's.	...	...	1
Fish Hawkers' Carts containing Fish examined	...	...	9
Visits to Slaughter Houses	...	...	13

During the year nothing of importance has taken place to cause any interference by the Sanitary Authority.

I am, Gentlemen,

Your obedient servant,

GEO. ASHBRIDGE, A.R.S.I.,

Sanitary Inspector.

Table I.—Births.

The total number of Births, Male and Female, Legitimate and Illegitimate, and Birth-rate per 1,000 of the population of the District, and the percentage of Illegitimate to the total Births.

DISTRICTS.	Estimated Population to the Middle of 1907.	BIRTHS.					Rate per 1,000 Population.	Percentage of Illegitimate.
		Legitimate.		Illegitimate		1907		
		Male.	Female.	Male.	Female.	Total		
						1907.			1907.
Whillimoor Arlecdon	1,680	32	15	2	0	49	29.10	'12
Frizington	3,520	61	46	3	4	114	32.38	'19
The Entire District	5,200	93	61	5	4	163	31.84	'17

*Table II.—Deaths from January 1st to
December 31st, 1907.*

Extent, Population, and Mortality.	Township of Arlecdon and Whillimoor.	Township of Frizington.	The Entire District.
Area in Acres ...	{ 1,906·845 1,569·604	2,079·891	5,556·340
Population, Census 1901 ...	1,632	3,709	5,341
„ estimated to the middle of 1907 ...	1,680	3,520	5,200
Deaths from the nine chief Zymotic Diseases ...	1	1	2
Deaths from other causes ...	20	54	74
Total Deaths for the year ...	21	55	76
General Death-rate per 1,000	13·09	15·62	14·61

*Table III.—Deaths from the Nine Chief
Zymotic Diseases.*

Smallpox ...	0	} = 2
Scarlatina ...	0	
Diphtheria ...	0	
Membranous Croup ...	0	
Typhus Fever ...	0	
Enteric or Typhoid Fever ...	1	
Measles ...	0	
Whooping Cough ...	1	
Diarrhœa ...	0	

Table IV.—Summary.

39	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900
00	6,000	5,639	5,400	5,200	5,650	5,750	5,750	5,900	5,900	5,950	5,860
22	235	204	213	206	207	195	161	171	144	184	170
29	39'16	36'17	39'44	39'61	36'63	33'91	28'00	29'00	24'40	30'92	29'01
;	11 2	77	75	91	68	90	72	88	83	82	(¹⁰³ 102)
29	18'66	13'65	13'88	17'50	12'03	15'65	12'52	14'91	14'06	13'78	17'40

Year.	Popula- tion estima- ted to Middle of each Year.	Births.		Total Deaths Registered in the District.				Total Deaths in Public Insti- tutions in the Dist- rict.	Deaths of Non- residents regist'd in Public Insti- tutions in District.	Deaths of Resi- dents regist- ered in Public Insti- tutions bey'nd Dist'ct	Nett Deaths at all ages belonging to the District.			
		No.	Rate *	Under 1 Year of Age.		At all Ages.					No.	Rate *	No.	Rate *
				No.	Rate per 1,000 Births regist'd.	No.	Rate *							
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.		
1897	5,900	171	29'00	24	140	88	14'91							
1898	5,900	144	24'40	18	125	83	14'06	...	...	...	...	...
1899	5,950	184	30'92	24	130	82	13'78	...	...	...	...	...
1900	5,860	170	29'01	22	129	103	17'57	...	...	...	...	...
1901	5,341	176	32'95	22	125	66	12'35	...	...	...	...	...
1902	5,341	171	32'01	11	64	62	11'60	...	...	...	...	...
1903	5,290	172	32'57	22	127	78	14'74	...	...	...	...	...
1904	5,200	148	28'46	25	168	81	15'57	...	...	...	...	...
1905	5,140	140	27'23	20	135	94	18'28	...	...	...	...	...
1906	5,100	163	31'96	22	135	88	17'25	...	...	...	...	...
Averages for years 1897-1906	5,502'2	163'9	29'77	21	128'1	82'5	14'81							
1907	5,200	163	31'35	19	116'6	71	13'65	...	...	5	76	14'61

*—Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-Residents" is meant persons brought into the District on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" to be taken into account for the purposes of these Tables are those in which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums.

Institutions outside the district receiving sick and infirm persons from the district; Whitehaven Union Workhouse, Whitehaven Infirmary, Garlands Lunatic Asylum, Carlisle; also Galemire Fever or Infectious Disease Hospital, near Cleator Moor.

Area of District in Acres (exclusive of area covered by water)	...	5,556'340
Total Population at all ages, at Census of 1901	...	5,341
Number of Inhabited Houses	...	1,050
Average number of persons per house	...	5

Table VI.

Year.	Population estimated to middle of each year.	Births registered	Deaths at all ages	Deaths under One Year.
1897 ...	5,900	171	88	24
1898 ...	5,900	144	83	18
1899 ...	5,950	184	82	24
1900 ...	5,860	170	103	22
1901 ...	5,341	176	66	22
1902 ...	5,341	171	62	11
1903 ...	5,290	172	78	22
1904 ...	5,200	148	81	25
1905 ...	5,140	140	94	20
1906 ...	5,100	163	88	22
Averages of Years 1897 to 1906 ...	5,502·2	163·9	82·9	21·0
1907 ...	5,200	163	76	19

Table VII.—Cases of Infectious Disease notified during the Year 1907.

Notifiable Diseases.	Cases notified in Whole District.						
	At all Ages.	At Ages.—Years.					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards
Smallpox ...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...
Diphtheria ...	...	...	...	...	...	...	...
Membranous Croup	...	...	...	...	...	...	...
Erysipelas ...	5	...	...	...	...	4	1
Scarlet Fever ...	7	...	2	5	...	...	...
Typhus Fever ...	...	...	...	...	...	...	...
Enteric Fever ...	1	...	...	...	1	...	...
Relapsing Fever ...	...	...	...	...	...	...	...
Continued Fever ...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...
Totals ...	13	...	2	5	1	4	1

Four cases were removed to the Hospital; 4 of Scarlet Fever.

The Notification of Infectious Disease is compulsory in the District, and has been since May, 1890; Galemire Joint Fever Hospital, situated in the Whitehaven Union Rural Council's District, near Cleator Moor.

Table VIII.—Causes of and Ages at Death during Year 1907.

Causes of Death.	Deaths in whole District at subjoined Ages.							Deaths in Public Institutions
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	
Smallpox ...								
Measles ...								
Scarlet Fever ...								
Whooping-cough ...	1			1				1
Diphtheria & Membranous Croup ...								
Croup ...								
Fever { Typhus ...								
{ Enteric ...	1				1			
{ Other continued ...								
Epidemic Influenza ...								
Cholera ...								
Plague ...								
Diarrhoea ...								
Enteritis ...	1	1						
Puerperal Fever ...								
Erysipelas ...								
Other Septic Diseases ...								
Phthisis ...	7			1	1	5		
Other Tubercular Diseases ...	2	1	1					
Cancer, Malignant Disease ...	3					2	1	
Bronchitis ...	6					1	5	
Pneumonia ...	3		1			2		
Pleurisy ...								
Other Diseases of Respiratory Organs ...								
Alcoholism ...								
Cirrhosis of Liver ...	1					1		
Venereal Diseases ...								
Premature Birth ...	7	7						
Diseases and Accidents of Parturition ...								
Heart Diseases ...	10			2		7	1	1
Accidents ...	5		2			3		1
Suicides ...								
All other causes ...	29	10	3			6	10	2
All causes ...	76	19	7	4	2	27	17	5

Table IX.—*Infantile Mortality during the Year 1907.*
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	
Common Infectious Diseases	Small-pox ...																		
	Chicken-pox ...																		
	Measles ...																		
	Scarlet Fever ...																		
	Diphtheria : Croup Whooping Cough																		
Diarrhoeal Diseases	Diarrhoea, all forms																		
	Enteritis (<i>not Tuberculous</i>)						1			1									2
	Gastritis Gastro-intestinal catarrh																		
Wasting Diseases	Premature Birth ...		8			8	1												9
	Congenital Defects		1			1													1
	Injury at Birth ...																		
	Want of Breast-milk Atrophy, Debility, Marasmus						1												1
Tuberculous Diseases	Tuberculous Meningitis ...																		
	Tuberculous Peritonitis : Tabes Mesenterica																		
	Other Tuberculous Diseases ...																		
	Erysipelas ...																		
Syphilis ...																			
Rickets ...																			
Meningitis (<i>not Tuberculous</i>)																			2
Convulsions ...							1		1										
Bronchitis ...																			
Laryngitis ...																			
Pneumonia ...																			
Suffocation, overlaying																			
Other causes ...							1				2	1							4
		9				9	3	2	2	2	2	1							19

Births in the year : legitimate 154 ; illegitimate 9. Population estimated to middle of 1907, 5,200. Deaths in the year of legitimate infants, 15 ; illegitimate infants, 4. Deaths from all causes at all ages, 76.

