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**Bridgend Urban District.**

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**ANNUAL REPORT**

OF THE

***MEDICAL OFFICER***

AND

**INSPECTOR OF NUISANCES,**

ALSO

**Report on Factories and Workshops,**

FOR THE YEAR 1904.

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WYNDHAM RANDALL,

*Medical Officer of Health.*

M. WILLIAMS,

*Surveyor and Inspector.*

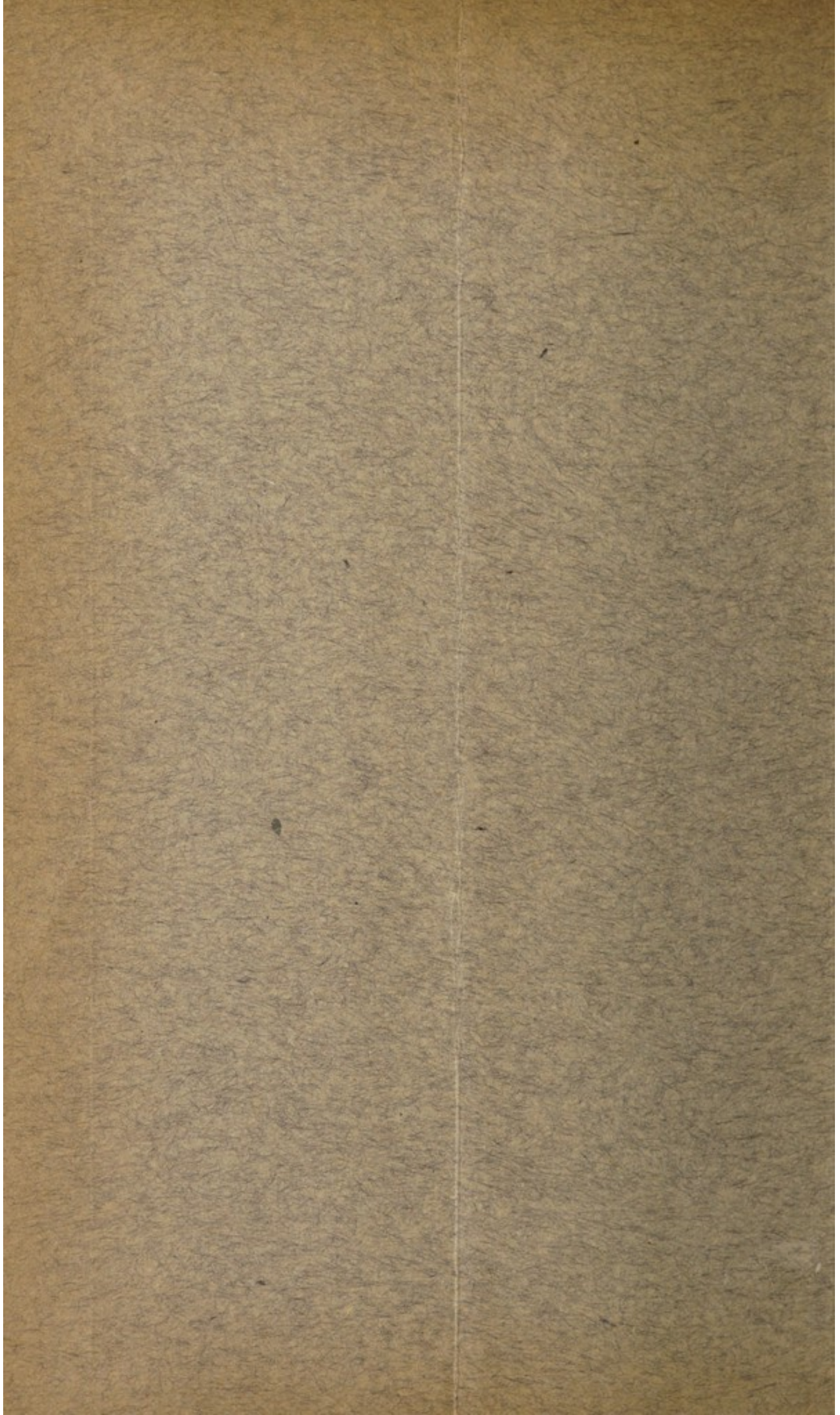
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BRIDGEND :

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1905.



# The Bridgend Urban District Council.

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

GENTLEMEN,

I beg to submit to you my Twentieth Annual Report, being that for the year 1904, and to lay before you certain Tables of Vital Statistics, together with others prescribed by, and filled up according to instructions received, from the Local Government Board.

## THE AREA.

The result of a measurement on the basis of the most recent ordnance survey shows the area of the district to contain 700 acres; giving a density of population of 9.5 persons per acre. Oldcastle with 414 acres has a density of 12.1, and Newcastle with 286 acres has a density of 5.8.

## THE POPULATION.

The population of the district, including the staff and inmates of the Workhouse, was ascertained by the result of the census to be 6,066 persons in 1901; giving an average of 4.9 persons per house in the district. An average of 4.9 persons per house in Oldcastle, and in Newcastle of 4.8. I have estimated the population for the year 1904, by multiplying the number of occupied houses in Oldcastle by 4.9; and the number in Newcastle by 4.8. This gives a total population for the district of 6,687, an increase for the year of 83; Oldcastle 5,017, Newcastle 1,670.

The variable increase during the last 20 years renders, however, an annual estimate extremely fallacious.

I fail to understand why the Government, knowing the benefits afforded by a decennial census, inaugurated a hundred years ago, do not supplement these benefits by the introduction of a quinquennial one.

### *Houses occupied, etc., in the Parishes.*

Parishes.	Occupied.	Vacant.	Totals.	Population.
Oldcastle ... ..	1024	22	1046	5017
Newcastle ... ..	348	8	356	1670
District ... ..	1372	30	1402	6687

The number of occupied houses in the district is 1,372—1,024 in Oldcastle, and 348 in Newcastle.

*Houses erected, in course of erection, and closed :—*

Parishes.	Houses Erected.	In course of Erection.	Closed Unfit.	Totals.	Rebuilt.
Oldcastle ...	30	10	8	48	...
Newcastle ...	2	2	...	4	...
District ...	32	12	8	52	...

BIRTHS.

The births registered during the year were 209; of these 96 were males, and 113 were females.

The rate for the first quarter of the year ending 31st March, was 29.63.

The rate for the second quarter ending 30th June, was 29.54.

The rate for the third quarter ending 30th September, was 33.46.

The rate for the fourth quarter ending 31st December, was 32.89.

The birth-rate for the year was 29.77 per 1,000.

The rate for Oldcastle, including the Workhouse, was 29.66, excluding the Workhouse 28.89; for Newcastle was 35.92.

The rate for England and Wales was 27.9.

The rate for England and Wales of the 142 Smaller Towns, less the 76 Great Towns, was 27.5.

The births at the Workhouse were 8: of these 3 were males, and 5 were females.

Birth-rate 57.97, as compared with 48.38 in 1903.

Table I. shows the population, the births, the deaths, and the excess of births over deaths in successive years, within the District, including those at the Workhouse, and including the deaths belonging to this district dying at the Asylum.

TABLE I.

Year.	Population.	Births.	Deaths	Excess of Births.	Excess of Deaths.
1886	4414	147	87	60	Nil.
1887	4467	148	124	24	"
1888	4520	153	115	38	"
1889	4573	139	85	54	"
1890	4626	140	109	31	"
1891	4679	145	129	16	"
1892	4817	154	92	62	"
1893	4956	165	68	97	"
1894	5095	181	87	94	"
1895	5233	214	132	82	"
1896	5379	186	108	76	"
1897	5511	199	107	92	"
1898	5649	211	113	98	"
1899	5788	195	111	84	"
1900	5927	175	128	47	"
1901	6066	174	140	34	"
1902	6536	215	135	80	"
1903	6604	196	124	72	"
1904	6687	209	121	88	"

Table II. shows the comparisons of births and deaths in the district in following years, with annual rates per 1,000, including those at the Workhouse, and at the Asylum belonging to the district,

TABLE II.

Years	Births.	Birth-rate per 1000 living.	Deaths from all causes.	Death-rate per 1000 living.	Zymotic Death-rate.	Death-rate under 1 year per 1000 births.		
						Bridgend D'ths. Rate.	England & Wales.	
1886	147	33.3	87	19.7	1.5	18	122.4	149
1887	148	33.1	124	21.7	4.2	26	175.6	145
1888	153	33.8	115	23.2	3.1	22	143.8	136
1889	139	30.4	85	18.5	1.9	16	115.1	144
1890	140	30.2	109	21.4	2.8	24	171.4	151
1891	145	31.0	129	27.5	0.8	20	138.0	149
1892	154	32.0	92	19.0	1.0	17	110.4	148
1893	165	33.2	68	13.7	1.6	23	139.3	159
1894	181	35.5	87	17.0	0.9	18	99.4	137
1895	214	40.8	132	25.2	4.2	37	172.8	161
1896	186	34.5	108	20.0	1.3	31	166.6	148
1897	199	35.1	107	19.2	1.0	27	135.6	156
1898	211	37.3	113	20.0	1.7	26	123.2	160
1899	195	33.6	111	19.1	2.4	28	143.5	163
1900	175	29.5	128	21.5	3.2	34	194.2	154
1901	171	28.6	140	23.0	2.4	20	114.9	151
1902	215	32.8	135	20.5	2.0	32	148.8	133
1903	195	29.6	124	18.7	1.0	26	132.6	132
Means of 18 years.	174.3	33.0	110	20.8	2.1	24.6	141.5	148.7
1904	209	29.7	121	18.09	2.4	37	177.0	146

The death-rate of infants under one year of age does not maintain the decline noticeable in 1901, but is the highest, excepting 1900, of the preceding eighteen years, and 44.4 above the rate of 1903.

Table III. shows the comparisons of births and deaths in the Parishes of Oldcastle and Newcastle in 1904.

TABLE III.

Year 1904.	Births.	Birth-rate per 1000 living.	Deaths from all causes.	Death-rate per 1000 living.	Zymotic Deaths, and Death-rate per 1000 living.		Death-rate under 1 year per 1000 births.	
							Bridgend	England & Wales.
Workhouse	8	57.97	27	195.65	...	...	...	146.
Oldcastle ...	141	28.89	71	15.94	11	2.52	184.40	142 small
Newcastle ...	60	35.92	23	15.57	5	2.93	183.33	Towns :
District ...	209	29.77	121	15.85	16	2.39	177.03	154

The above Tables show a distinct increase of the Zymotic death-rate as compared with last year; the general death-rate is less than that of each of the preceding nine years, i.e., one has to go back to 1894 for a lower rate.

## DEATHS.

During the year 1904, 121 deaths, including those "belonging to the district" at the Asylum and all deaths at the Workhouse, were registered; of the 106 out of the above deaths "belonging to the district" 58 were males, and 48 were females.

The excess of births over deaths in the district was 88.

The crude death-rate was 18.09 per 1,000 of population; this includes all deaths at the Workhouse, and deaths at the Asylum "belonging to the district."

The death-rate 18.09 given in Table II. is that of all deaths occurring within the district, including the Workhouse, and one death at the Asylum "belonging to the district."

The death-rate "corrected" by eliminating the deaths at the Workhouse of non-residents, and adding the deaths at the County Asylum of residents, was for the quarter ending 31st March, 13.09; for the quarter ending 30th June, 17.48; for the quarter ending 30th September, 16.13; for the quarter ending 31st December, 16.15; and for the year 1904, 15.85.

The rate for England and Wales, 16.2, is the second lowest on record (except 1903); in 1903 15.4 was up to the present time the lowest rate recorded.

But I believe that for this result we are indebted to the clemency of the weather during those two years, rather than to any remarkable sanitary merits of our own.

The rate for the 142 Small Towns was 15.6.

The death-rate of Oldcastle, without the deaths at the Workhouse of non-residents, and with the deaths of residents at the Asylum added, was 15.94.

The corrected rate for Newcastle was 15.57.

The deaths from the seven chief zymotic diseases during the year were 16; the death-rate per 1,000 persons living was 2.39, as compared with 1.06 in 1903, 3.06 in 1902, and 2.47 in 1901.

See Table II. to find rates of successive years.

The Zymotic rate for England and Wales was 1.94.

The rate for the 142 Smaller Towns was 2.02.

On adding up the rates for the earlier  $9\frac{1}{2}$  years, in Table II., and comparing them with the later  $9\frac{1}{2}$  years of the series, one finds that the sum of the earlier period amounts to 19.9, while that of the later comes to 20.5; on taking the earlier figure from the later we find the difference to be 0.6, or otherwise, an increase of 0.6 on the sum of the averages in the later period over the earlier.

This does not say much for the results of our success in dealing with zymotic disease in the district; but one may be permitted to hope that the apathy of past years has passed away, and that a sewerage scheme for the town having been completed, filtering beds for the source of water-supply being in course of construction, and an Isolation Hospital looming in the future, we may, before many years are over, perhaps see some steady and continuous diminution of the zymotic death-rate.

The zymotic rate for Oldcastle was 2.52; Newcastle, 2.93.

Inquests were held in regard to 9 cases of sudden death, of these 2 were due to suicide by hanging, 1 was a case of manslaughter, 1 drowned accidentally, 1 accident through suffocation, 1 was attributed to convulsions, 1 to apoplexy, 1 to pneumonia, and 1 to a trap accident.

Eight inquests were held in Oldcastle, and one in Newcastle. The rate was 1.34 per 1,000, as compared with 1.21 in 1903.

There were no deaths from puerperal fever nor parturition.

The deaths of infants under one year of age were 37. The rate per 1,000 births was 177.03.

The infant deaths in Oldcastle were 26; death-rate per 1,000 births 184.40.

The infant deaths in Newcastle were 11: rate per 1,000 births 183.33.

The rate for England and Wales was 146; the rate for the 142 Small Towns was 154.

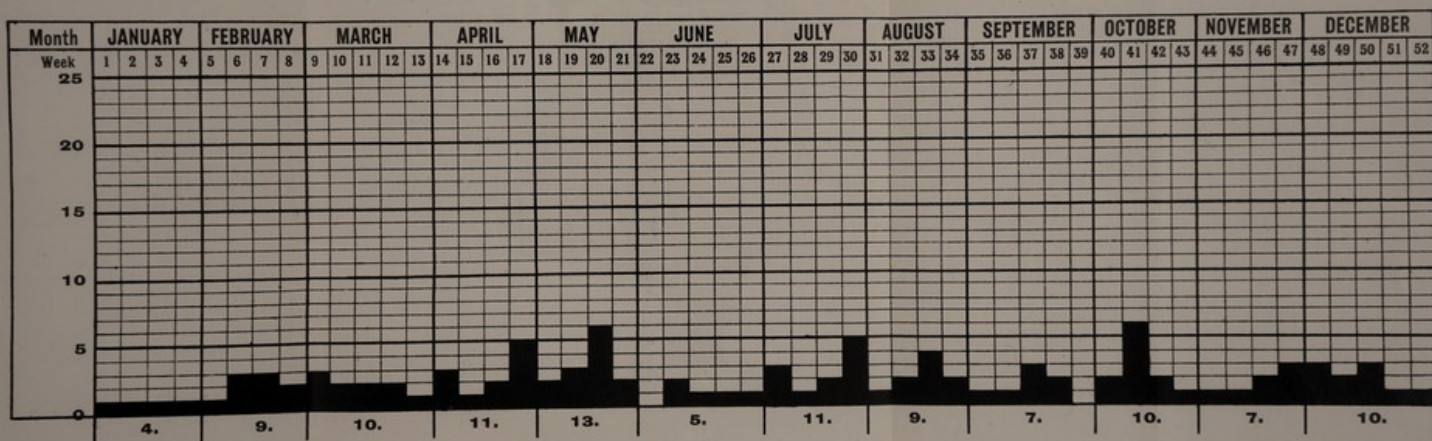
At the Workhouse 27 deaths were registered during the year, of these 19 were males, and 8 were females. The excess of deaths over births was 19.

The previous residents "belonging to Bridgend" dying at the Workhouse were 9 from Oldcastle, and 3 from Newcastle.

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## BRIDGEND URBAN DISTRICT.

Diagram of Deaths "belonging to the District," excluding the Workhouse, Registered Weekly during 1904.



The daily average number of inmates was 138.

The death-rate was 195.65 per 1,000, as compared with 266.12 in 1903, 300.0 in 1902, and 333.33 in 1901.

There was one death from diarrhœa, one of the chief zymotic diseases.

The 27 deaths at the Workhouse among an average daily number of inmates of 138, are included in the total deaths in the district, on which the crude general death-rate is based, Table II.

The "corrected" rate is based on the deaths of residents in the Urban District, with the deaths of residents at the Asylum and Workhouse added, and the deaths of non-residents at the Workhouse subtracted.

The deaths of non-residents will be found subtracted in Column 12, and the corrected death-rate in Column 13 of the Local Government Board Table I.

#### THE BRIDGEND URBAN DISTRICT.

Area in Acres, 700.

Density, 9.5.

1891.

1901.

1904.

Population, 4,679.

Census, 6,066.

6,687 (estimated).

Birth-rate, 29.77. Death-rate, 18.09. "Corrected" rate, 15.85.

Infant death-rate, 177.03 per 1,000 births.

Zymotic rate, 2.39; Whooping cough, 0.29; Enteric Fever, 0.45; Epidemic Influenza, 0.45; Diarrhœa, 1.64; Phthisis, 1.20; Other Tubercular, 0.29; Cancer, 1.20; Bronchitis, 0.89; Pneumonia, 0.45; Other diseases of Respiratory organs, 0.60; Alcoholism, 0.29; Prematurity, 0.89; Heart Disease, 1.20; Accidents, 0.45; Suicides, 0.30; Manslaughter, 0.15; Digestive Diseases, 1.34; Nervous diseases, 2.09; All other causes, 1.34; All causes, 15.85.

The deaths at all ages were:—

Under one year	...	...	...	...	37
One and under five years	...	...	...	...	7
Five and under fifteen years	...	...	...	...	1
Fifteen and under twenty-five years	...	...	...	...	5
Twenty-five and under sixty-five years	...	...	...	...	36
Sixty-five years and upwards	...	...	...	...	20
					106

Table IV. shows the principal causes of deaths amongst infants under one year of age.

TABLE IV.

Causes of Deaths under One Year of age.	Deaths.
Whooping Cough	1
Tuberculosis	1
Zymotic Diarrhœa	11
Premature Births	6
Congenital Defect	2
Diseases of the Respiratory System	4
Diseases of the Nervous System	5
Diseases of the Digestive System	6
Accident	1
Ill-defined causes, etc.	0
Total	37
Rate per 1000 persons living	5.53

Table V. shows the number of deaths registered in each parish during the year.

TABLE V.

Workhouse and Parishes.	Zymotic Diseases.	Parasitic Diseases.	Digestive Diseases.	Constitutional Diseases.	Developmental Diseases.	Local Diseases.	Violence.	Ill-defined Causes, etc.	Totals.	Death-rate per 1000.	Population of Parishes and daily average at Workhouse.
Workhouse ...	(2	—	1	8	4	12	—	—	27	195.65	138)
Oldcastle ...	13	—	6	14	10	31	6	—	80	15.94	5017
Newcastle ...	6	—	3	3	2	12	—	—	26	15.57	1670
District ...	19	—	9	17	12	43	6	—	106	15.85	6687

The above is the "corrected" death-rate of the district. The crude rate is 18.09, and includes the 1 death at the Asylum, "belonging to the district."

The rate for all deaths belonging to the district, and beyond the district, was 18.09.

The rate for all deaths that actually occurred within the district was 17.94. And the rate corrected by subtracting deaths not belonging to the district, and adding deaths belonging to the district taking place at the Asylum, was 15.85.

The crude rate for Oldcastle, including all deaths at the Workhouse, and deaths belonging to the parish elsewhere, was 18.93. The "corrected" rate was 15.94.

There were 3 Newcastle deaths at the Workhouse; none at the Asylum.

The rate for Newcastle was 15.57.

#### ZYMOTIC DISEASES.

The 121 deaths from all causes included:—

2 attributed to Whooping Cough.

3 attributed to Enteric Fever.

11 attributed to Diarrhœa.

16 deaths due to 3 of the seven principal zymotic diseases.

There were also 3 attributed to Epidemic Influenza.

#### NOTIFICATION OF INFECTIOUS DISEASE.

During the year 1904, 48 cases of infectious disease were reported to me under the provisions of the Infectious Diseases Notification Act.

Table VI. shows the number of cases reported under the Notification Act, and the deaths from the same, during each month of the year 1904.

In addition to the deaths shown in Table VI. there were:—3 deaths from Epidemic Influenza—2 in March, 1 in July. 2 from Whooping Cough in January; and 11 from Diarrhœa—1 in April, 5 in July, 4 in August, and 1 in October.

TABLE VI.

Months: 1904.	Small-pox		Diphtheria		Scarlet Fever		Enteric Fever		Erysipelas		Totals	
	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases
January ..	..	..	..	1	..	1	..	1	..	..	..	3
February ..	..	..	..	1	..	..	..	..	..	..	..	1
March ..	..	..	..	..	..	1	..	..	..	1	..	2
April ..	..	..	..	..	..	3	..	..	..	1	..	4
May ..	..	..	..	..	..	2	..	..	..	..	..	2
June ..	..	1	..	..	..	2	..	..	..	1	..	4
July ..	..	..	..	..	..	1	..	2	..	..	..	3
August ..	..	..	..	..	..	1	..	..	..	..	..	1
September ..	..	..	..	..	..	..	1	5	..	..	1	5
October ..	..	..	..	..	..	..	..	3	..	..	..	3
November ..	..	..	..	..	..	7	1	3	..	1	1	11
December ..	..	..	..	4	..	..	1	5	..	..	1	9
Year 1904		1		6		18	3	19		4	3	48
Rate per 1000 persons.		0·15		08·9		2·69	0·45	2·84		0·60	0·45	7·18

Table VII. shows the distribution of notified infectious diseases, and deaths due to the same, in each parish.

TABLE VII.

Parishes.	Small-pox		Diphtheria		Scarlet Fever		Enteric Fever		Erysipelas		Totals	
	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases
Oldcastle	..	1	..	4	..	11	3	17	..	4	3	37
Newcastle	..	..	..	2	..	7	..	2	..	..	..	11
District		1		6		18	3	19		4	3	48

In addition to the above there were:—

In Oldcastle—2 deaths from Influenza and 8 from Diarrhœa. Newcastle—1 from Influenza, 2 from Whooping Cough. These diseases are not notifiable.

Table VIII. shows the deaths that occurred during the years 1886 to 1892; and the notifications received, with the deaths that occurred during the years 1893 to 1904, inclusive, from infectious diseases (including the cases and deaths at the Workhouse). The Notification Act was adopted by the Authority in July, 1893.

TABLE VIII.

Year	Popu- lation.	Small Pox.		Scarlet Fever.		Diph- theria.		Mem- branous Croup.		Enteric Fever.		Contin'd Fever.		Measles		Whoop- ing Cough.		Diarrhoea Zymotic Diseases.		Death- rate of 7 principal Diseases.		Puerp'ral Fever.		Ery- sipelas.			
		D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.
1881	4150	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1886	4414	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.5	..	..	..	..	..	
1887	4467	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4.2	..	..	..	..	..	
1888	4520	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.1	..	..	..	..	..	
1889	4573	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.7	..	..	..	..	..	
1890	4626	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.6	..	..	..	..	..	
1891	4679	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.8	..	..	..	..	..	
1892	4817	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.0	..	..	..	..	..	
*1893	4956	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.6	..	..	..	..	..	
1894	5095	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.9	..	..	..	..	..	
1895	5233	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4.2	..	..	..	..	..	
1896	5379	1	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.3	..	..	..	..	..	
1897	5511	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.0	..	..	..	..	..	
1898	5649	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.7	..	..	..	..	..	
1899	5788	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.4	..	..	..	..	..	
+1900	5927	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.2	..	..	..	..	..	
1901	6066	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.4	..	..	..	..	..	
1902	6536	1	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.0	..	..	..	..	..	
+1903	6604	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.0	..	..	..	..	..	
1904	6687	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.4	..	..	..	..	..	

\* Notification Act 1889, adopted July, 1893.  
 + In 1900 Diphtheria and Membranous Croup were conjoined, as to Notifications and Deaths.  
 † Sewerage Scheme, and work of connecting the Houses, completed.

Table VIII. shows the comparison of prevalence per 1,000 of population of deaths from infectious diseases from 1886 to 1892, inclusive; and the prevalence per 1,000 of cases notified, with the prevalence of deaths that occurred during the years 1893 to 1904, inclusive; with the cases and deaths at the Workhouse.

TABLE VIII.

Year.	Popu- lation.	Small Pox.		Scarlet Fever.		Diph- theria.		Mem- branous Group.		Enteric Fever.		Contin'd Fever.		Measles.		Whoop- ing Cough.		Diarr- hoea.		Death- rate of 7 principal Zymotic Diseases. Per 1000.	Puer- peral Fever.		Ery- sipelas.		
		D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.	D'ths.	Cases.		D'ths.	Cases.	D'ths.	Cases.	
1881	4150																								
1886	4414									0.45	0.22					0.45	0.22	0.22	0.22	1.5					
1887	4467									1.34	0.22					0.22	0.22	0.22	0.22	4.2					
1888	4520									0.22				1.32						3.1					
1889	4573									0.87						0.21	0.43	0.66	0.66	1.7					
1890	4626									0.21	0.21			0.21		0.43	0.21	0.43	0.21	2.6					
1891	4679															0.64				0.8					
1892	4817																			1.0					
1893	4956	0.20	0.40							0.41										1.6					
1894	5095									1.21	2.01									0.9					
1895	5233									0.58	1.57									4.2					
1896	5379	0.18	3.90							0.76	0.57			1.33		1.33	0.37	0.38	0.37	1.3					
1897	5511									0.57						0.37	0.37	0.54	0.54	1.0					
1898	5649									0.36						0.18				1.7					
1899	5788									0.88						0.88				2.4					
1900	5927									1.90										3.2					
1901	6066									0.50						0.16				2.4					
1902	6536	0.15	0.30							0.32						0.65				3.0					
*1903	6604									0.49										1.0					
1904	6687									0.45						0.15				2.4					

\* Sewerage completed.

Table IX. shows the deaths from certain other diseases, and injuries from 1886 to 1904.

The Tables VIII. and VIII A., IX. and IX A., contain a complete record of the notifications and deaths, with their prevalence per 1,000 of the respective diseases dealt with, during the years I have held the position of Medical Officer of Health of this District.

TABLE IX.

Year.	Influenza.	Septic Diseases.	Rheumatic Fever.	Phthisis.	Other Tubercular Diseases.	Respiratory *Diseases.	Other Respiratory Diseases.	Cardiac Diseases.	Malignant Diseases.	Alcoholism and Cirrhosis of Liver.	Parturition.	Nervous Diseases.	Injuries.
1886	..	..	..	6	..	18	..	8	..	..	..	..	2
1887	..	1	..	8	5	26	1	7	5	4	2	13	8
1888	..	3	2	3	2	16	4	13	2	3	5	19	4
1889	..	..	..	7	3	18	..	6	1	3	..	13	4
1890	..	..	2	7	5	30	1	5	8	3	2	11	5
1891	5	1	1	11	4	30	1	6	2	3	1	21	12
1892	5	..	..	6	5	12	..	7	5	7	1	13	6
1893	2	..	..	8	5	12	..	8	4	2	..	20	4
1894	..	..	..	11	4	23	1	10	4	2	..	13	4
1895	2	..	..	8	11	19	1	12	6	2	1	28	5
1896	2	1	..	10	6	15	1	8	4	2	1	14	8
1897	1	..	..	8	3	25	2	14	7	1	..	11	4
1898	4	1	3	8	3	26	3	3	6	2	1	15	1
1899	3	1	..	7	4	17	..	8	4	1	3	12	3
1900	2	..	..	9	2	18	1	10	6	1	1	31	2
1901	1	1	..	10	..	31	3	11	5	2	1	17	6
1902	..	3	1	10	4	30	1	9	4	2	2	27	3
1903	3	..	..	7	6	13	4	12	8	1	..	19	5
1904	3	..	..	8	2	9	4	8	8	2	..	14	6

Table IXA. gives the comparison of prevalence per 1,000 of the above deaths in Table IX.

TABLE IXA.

Year.	Influenza.	Septic Diseases.	Rheumatic Fever.	Phthisis.	Other Tubercular Diseases.	Respiratory Diseases.	Other Respiratory Diseases.	Cardiac Diseases.	Malignant Diseases.	Alcoholism and Cirrhosis of Liver.	Parturition.	Nervous Diseases.	Injuries.
1886	..	..	..	1.35	..	4.07	..	1.31	..	..	..	..	0.45
1887	..	0.22	..	1.79	1.11	5.82	0.22	1.56	1.11	0.89	0.44	2.91	1.79
1888	..	0.66	0.44	0.66	0.44	3.53	0.88	2.87	0.44	0.66	1.10	4.20	0.88
1889	..	..	..	1.53	0.65	3.91	..	1.31	0.21	0.65	..	2.84	0.87
1890	..	..	0.43	1.51	1.08	6.48	0.21	1.08	1.72	0.64	0.43	2.37	1.08
1891	1.06	0.21	0.21	2.35	0.85	6.41	0.21	1.28	0.42	0.64	0.21	4.48	2.56
1892	1.03	..	..	1.24	1.03	2.49	..	1.45	1.03	1.45	0.20	2.74	1.24
1893	0.40	..	..	1.61	1.00	2.42	..	1.61	0.80	0.40	..	4.03	0.80
1894	..	..	..	2.15	0.78	4.51	0.19	1.96	0.78	0.39	..	2.55	0.78
1895	0.38	..	..	1.52	2.10	3.63	0.19	2.29	1.14	0.38	0.19	5.35	0.95
1896	0.37	0.18	..	1.85	1.11	2.78	0.18	1.48	0.74	0.37	0.18	2.60	1.48
1897	0.18	..	..	1.41	0.54	4.53	0.36	2.53	1.26	0.18	..	1.99	0.72
1898	0.70	0.17	0.53	1.41	0.53	4.60	0.53	0.53	1.06	0.35	0.17	2.83	0.17
1899	0.51	0.17	..	1.20	0.69	2.93	..	1.39	0.69	0.17	0.51	2.07	0.51
1900	0.33	..	..	1.51	0.33	3.03	0.16	1.72	1.01	0.16	0.16	5.22	0.33
1901	0.16	0.16	..	1.64	..	5.11	0.49	1.81	0.82	0.32	0.16	2.80	0.93
1902	..	0.45	0.15	1.53	0.61	4.58	0.15	1.57	0.61	0.30	0.30	4.13	0.45
1903	0.45	..	..	1.06	0.90	1.97	0.60	1.81	1.21	0.15	..	2.87	0.75
1904	0.45	..	..	1.20	0.29	1.34	0.60	1.20	1.20	0.29	..	2.09	0.89

\*Bronchitis and Pneumonia.

The following Four Tables are forms forwarded by the Local Government Board to be filled up with the specified Local Statistics of the District.

Local Government Board. TABLE I. Bridgend Urban District.

YEAR	Population estimated to middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED				Total Deaths in Public Institutions in the District	Deaths of Non-Residents registered in public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	Nett Deaths at all ages belonging to the District.	
		Number	Rate *	Under 1 year of age		At all Ages					Number	Rate *
				Number	Rate per 1000 births registered	Number	Rate *					
1	2	3	4	5	6	7	8	9	10	11	12	13
1894	5095	181	35.5	18	99.4	87	17.0	14	11	1	77	15.11
1895	5233	214	40.8	37	172.8	132	25.2	19	14	5	123	23.50
1896	5379	186	34.5	31	166.6	108	20.0	15	9	2	101	18.77
1897	5511	199	36.1	27	135.6	107	19.2	25	16	1	92	16.67
1898	5649	211	37.3	26	123.2	113	20.0	20	10	2	105	18.58
1899	5788	195	33.6	28	143.5	111	19.1	23	14	5	102	17.62
1900	5927	175	29.5	34	194.2	128	21.5	28	19	4	113	19.06
1901	6066	174	28.6	20	114.9	140	23.0	40	28	6	118	19.45
1902	6536	215	32.8	32	148.8	135	20.6	36	25	6	116	16.21
1903	6604	196	29.6	26	132.6	124	18.7	33	26	2	100	15.14
Average for Years 1894 to 1903	5778.8	194.6	33.8	27.9	143.2	118.5	20.4	25.3	17.2	3.4	104.7	18.01
1904	6687	209	29.7	37	177.0	120	18.09	27	15	1	106	15.85

\* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population.

Area of District in acres (exclusive of area covered by water) 700. Density per acre—1901, 8.66; 1904, 9.50  
 Total population at all ages, 6056. Number of inhabited houses, 1233. Average number of persons per house, 4.9—At Census of 1901.  
 Institutions within the District receiving sick and infirm persons from outside the District—The Workhouse.  
 Institutions outside the District receiving sick and infirm persons from the District—The County Asylum.  
 Other Institutions, the deaths in which have been distributed among the several localities in the District—The Cottage Hospital.

## LOCAL GOVERNMENT BOARD.—TABLE II.

*Bridgend Urban District.*

Names of Localities.	1.—DISTRICT.				2.—OLDCASTLE.				3.—NEWCASTLE.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.
Years.	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>
1894	5095	181	87	18	3787	135	68	14	1309	46	19	4
1895	5233	214	132	37	3894	154	103	31	1341	60	29	6
1896	5379	186	108	31	4001	144	86	24	1373	42	22	7
1897	5511	199	107	27	4108	158	91	22	1405	41	16	5
1898	5649	211	113	26	4215	150	90	21	1437	61	23	5
1899	5788	195	111	28	4322	147	87	22	1469	48	24	6
1900	5927	175	128	34	4428	133	100	28	1501	42	28	6
1901	6066	174	140	20	4534	128	124	16	1532	46	16	4
1902	6536	215	135	32	4875	74	86	23	1660	41	30	9
1903	6604	196	124	26	4924	151	76	22	1680	45	24	4
Averages of Years 1894 to 1904.	5778.8	194.6	118.5	27.9	4308.8	147.4	91.1	22.3	1470.7	47.2	23.1	5.6
1904	6687	209	106	37	5017	149	80	26	1670	60	26	11

## LOCAL GOVERNMENT BOARD.—TABLE III.

Cases of Infectious Disease notified during the Year 1904.

NOTIFIABLE DISEASE.	Cases notified in whole district.							Total Cases notified in each locality.	No. of Cases removed to Hospital from each Locality.	
	At Ages—Years.									
	At all Ages	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards			Oldcastle
Small-pox ..	1	..	..	..	1	..	..	1	..	1
Diphtheria ..	6	..	1	5	..	..	..	4	2	..
Erysipelas ..	4	..	..	..	1	3	..	4	..	..
Scarlet Fever ..	18	..	2	14	2	..	..	11	7	..
Enteric Fever ..	19	..	1	9	3	6	..	17	2	..
Totals ..	48	..	4	28	7	9	..	37	11	1

No Isolation Hospital erected.

## LOCAL GOVERNMENT BOARD.—TABLE IV.

Causes of, and Ages at, Death during Year 1904.

CAUSES OF DEATH.	Deaths in or belonging to whole District at subjoined Ages.							Deaths in localities at all ages.		Rate per 1000	Total Deaths in public institut'ns in the district
	All ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Oldcastle	Newcastle		
Small Pox ... ..	...	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...	...	...	...
Scarlet fever ... ..	...	...	...	...	...	...	...	...	...	...	...
Whooping-cough... ..	2	1	1	...	...	...	...	...	2	0.29	...
Diphtheria and membranous croup ... ..	...	...	...	...	...	...	...	...	...	...	...
Croup ... ..	...	...	...	...	...	...	...	...	...	...	...
Fever } Typhus ... ..	...	...	...	...	...	...	...	...	...	...	...
} Enteric ... ..	3	...	1	...	2	...	...	3	..	0.45	1
} Other continued ... ..	...	...	...	...	...	...	...	...	...	...	...
Epidemic influenza ... ..	3	...	...	...	1	1	1	2	1	0.45	...
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa ... ..	11	11	...	...	...	...	...	8	3	1.64	1
Enteritis ... ..	1	1	...	...	...	...	...	1	..	0.15	...
Puerperal fever ... ..	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	...
Other septic diseases ... ..	...	...	...	...	...	...	...	...	...	...	...
Phthisis ... ..	8	...	...	...	...	8	...	6	2	1.20	5
Other tubercular diseases ... ..	2	1	1	...	...	...	...	2	..	0.29	3
Cancer, malignant disease ... ..	8	...	...	...	...	6	2	6	2	1.20	...
Bronchitis ... ..	6	2	...	...	...	1	3	6	...	0.89	...
Pneumonia ... ..	3	2	...	...	...	1	...	2	1	0.45	1
Pleurisy ... ..	...	...	...	...	...	...	...	...	...	...	...
Other diseases of Respiratory organs ... ..	4	1	1	...	...	2	...	3	1	0.60	2
Alcoholism ... ..	2	...	...	...	...	1	1	1	1	0.29	1
Cirrhosis of liver ) ... ..	1	...	...	...	...	1	...	1	...	0.15	...
Venereal diseases ... ..	6	6	...	...	...	...	...	5	1	0.89	...
Premature birth ... ..	...	...	...	...	...	...	...	...	...	...	...
Diseases and accidents of parturition ... ..	...	...	...	...	...	...	...	...	...	...	...
Heart diseases ... ..	8	...	...	1	...	3	4	7	1	1.20	2
Accidents ... ..	3	1	...	...	...	2	...	3	...	0.45	...
Suicides ... ..	2	...	...	...	...	1	1	2	...	0.29	...
Manslaughter ... ..	1	...	...	...	...	1	...	1	...	0.15	..
Digestive diseases ... ..	9	6	...	...	1	2	...	6	3	1.34	...
Nervous diseases ... ..	14	5	3	...	1	4	1	8	6	2.09	2
All other causes ... ..	9	...	...	...	...	2	7	7	2	1.34	9
<b>All causes ...</b>	<b>106</b>	<b>37</b>	<b>7</b>	<b>1</b>	<b>5</b>	<b>36</b>	<b>20</b>	<b>80</b>	<b>26</b>	<b>15.85</b>	<b>27</b>

## SCARLET FEVER.

No death from Scarlet fever was registered.

For England and Wales the death-rate was 0.11. For the Smaller Towns the rate was 0.13.

The number of cases certified was 18, as compared with 17 in 1903, 14 in 1902, 27 in 1901, and 7 in 1900.

The case-prevalence was 2.69 per 1,000; 2.57 in 1903.

## DIPHThERIA.

No death was due to Diphtheria, as compared with 2 in 1903, 2 in 1902, 5 in 1901, and 3 in 1900.

The death rate-was 0.0 per 1,000; 0.30 in 1903.

The rate for England and Wales was 0.17.

The rate for the 142 Smaller Towns was 0.16.

The case-fatality was 0.0 per cent.; 12.5 per cent. in 1903; in 1902 it was 20 per cent.

The number of cases was 6, as compared with 16 in 1903, 10 in 1902, 29 in 1901, and 11 in 1900.

The case-prevalence was 0.89 per 1,000; 2.42 in 1903.

## ENTERIC FEVER.

Three deaths were caused by Enteric Fever, as compared with 3 in 1903, 3 in 1902, 2 in 1901, and 3 in 1900.

The death-rate was 0.45 per 1,000; 0.45 in 1903.

The rate for England and Wales of "Fever" was 0.09.

The rate for the 142 Smaller Towns was 0.10.

The case-fatality was 15.8 per cent., as compared with 16.6 per cent. in 1903, 13.6 in 1902, 6.2 in 1901, 11.1 in 1900, and 14.1 in 1899.

The death-rate remains at five times as heavy as that of England and Wales for "Fever."

Taking the figures for Enteric Fever in Table VIII A. and comparing the sum of the death-prevalence per 1,000 in the 9 and a half earlier years with the sum of the 9 and a half later years, one finds that the difference is only 0.25, so that the excess of prevalence in the latter series is so small as one-quarter of a death per 1,000, or equal to a difference of  $2\frac{1}{2}$  deaths in 10,000.

The death-prevalence, therefore, may be considered to be unaltered since 1886.

Taking the twelve years, during which notification of cases has been compulsory, and contrasting the earlier six years with the later six years, one finds that the sum of the prevalence per 1,000 of the earlier period equals 26.94, and that of the later period 32.12; but taking into consideration the exceptional prevalence of the year 1899 in the latter series, the difference, 5.18, is not of much significance.

The case-prevalence, therefore, may be considered to be little altered during the series of years since 1893.

The incidence and distribution of cases were closely similar to the preceding years.

Last year—March, April, May, June, and August, were free from cases of Enteric Fever, the cases were diffused widely in different parts of the town.

Enquiries into the question of the antecedent partaking of shell-fish produced negative results; and in the matter of milk supply it was found that in only a few instances was the milk derived from the same source; in all other cases milk was obtained from a separate source. The results of these enquiries negative the presumption of either of these articles of food being in default.

The measures adopted to limit infection were the same as those in previous years.

From the following Table it will be seen that of the 19 cases all occurred in streets which were associated with previous cases in preceding years, with two exceptions, that of the case in Cemetery Road and Cefn Glas Road.

A list of the streets attacked and number of cases follows:—

Streets.	Cases 1898.	Cases 1899.	Cases 1900.	Cases 1901.	Cases 1902.	Cases 1903.	Cases 1904.	Totals
Adare street ... ..	6	...	...	...	...	...	...	6
Angel street ... ..	...	1	...	...	...	...	...	1
Australian terrace ... ..	1	1	...	...	...	...	...	2
Brackla street ... ..	2	3	...	5	1	2	1	14
Brook street ... ..	...	...	...	1	...	...	...	1
Cædre street ... ..	...	1	...	...	...	...	...	1
Caroline street ... ..	...	1	...	...	...	...	...	1
Cefn Glas road ... ..	...	...	...	...	...	...	1	1
Cemetery road ... ..	...	...	...	...	...	...	2	2
Chapel street ... ..	...	...	...	1	...	...	...	1
Cheltenham terrace .. ...	...	3	...	1	2	2	...	8
Church road ... ..	...	...	1	...	...	...	...	1
Clifton terrace ... ..	...	2	...	...	...	...	...	2
Coity fields ... ..	...	1	2	...	...	1	...	4
Coity road ... ..	4	1	2	1	2	...	...	10
Coity street ... ..	...	2	1	..	...	...	...	3
Cottage Hospital ... ..	...	...	...	...	1	...	...	1
Cowbridge road ... ..	...	...	1	1	1	...	...	3
Coychurch road ... ..	2	2	...	...	...	...	1	5
Dunraven place ... ..	...	5	3	3	...	2	...	13
Ewenny road ... ..	...	4	...	2	2	...	1	9
Edward street ... ..	7	...	...	...	...	...	...	7
Graig, The ... ..	1	3	...	1	1	...	...	6
Granville terrace ... ..	...	...	...	1	...	...	...	1
Green street ... ..	1	...	...	3	1	...	2	7
							(same house)	
Grove road ... ..	1	1	1	2	...	1	1	7
Jenkin street ... ..	...	2	...	2	...	...	2	6
Llangewydd road ... ..	...	1	3	...	...	2	...	6
Llynvi street ... ..	...	1	...	...	...	1	...	2
Mackworth street ... ..	7	2	1	1	...	1	2	14
Maddox place ... ..	...	2	...	...	2	...	...	4
Meadow street ... ..	...	2	...	...	...	...	...	2
Morfa street ... ..	...	1	1	...	...	...	...	2
Newcastle hill ... ..	2	8	1	...	...	1	...	12
Nolton street ... ..	1	2	4	1	...	...	2	10
North street ... ..	...	1	1	1	...	...	...	3
Oddfellows row ... ..	4	3	...	1	1	1	...	10
Park street ... ..	...	2	1	1	1	1	...	6
Rhiew, The ... ..	...	1	...	...	...	...	...	1
South street ... ..	1	4	1	...	...	...	...	6
Square, Newcastle ... ..	...	2	...	...	...	...	1	3
Station hill ... ..	...	...	1	...	...	...	...	1
St Mary street ... ..	2	4	...	2	2	1	1	12
Suffolk street ... ..	...	1	...	...	...	...	2	3
							(same house)	
Sunnyside road ... ..	2	1	...	...	...	1	...	4
Quarella row ... ..	3	1	1	...	2	...	...	7
Queen street ... ..	...	1	...	...	...	...	...	1
Water street ... ..	...	3	...	...	...	...	...	3
West street ... ..	1	1	1	...	...	...	...	3
Workhouse, The ... ..	...	1	...	...	3	1	...	5
Wyndham street ... ..	1	...	...	1	...	...	...	2
Totals ... ..	49	78	27	32	22	18	19	245

The average of the last 12 years is of Enteric Fever cases—28.42 per annum; of Enteric Fever deaths, 3.92 per annum.

I beg strongly to urge the Council to have the following suggestion, made in my report for 1903, carried out:—

It would be highly interesting and instructive if Dr. Bulstrode's Chart showing the notifications and the deaths from Enteric Fever in Bridgend from 1894 to 1902, should be carried forward from year to year, as they pass, in order to show whether our hopes from the results of the completion of the sewerage and the construction of the filter beds, be fulfilled.

As regards Enteric Fever cases in 1904, only two houses were found where sanitary defects existed; these defects have been remedied, and the house drains connected to the new sewers.

#### ERYSIPELAS.

No death was recorded from Erysipelas, as compared with 1 in 1903, none in 1902, 5 in 1901, and 1 in 1900.

The death-rate was 0.0 per 1,000; 0.15 in 1903.

The cases reported were 4, as compared with 3 in 1903, 5 in 1902, 12 in 1901, and 1 in 1900.

The case-fatality was nil per cent.; 33 per cent. in 1903.

The case-prevalence was 0.60 per 1,000; 0.45 in 1903.

#### PUERPERAL FEVER.

There was no death from Puerperal Fever, as compared with no death in 1903, no death in 1902, 1 in 1901, and no death in the intervening years until 1 in 1892.

No cases were notified, none in 1903, and none in 1902, 1 in 1901, and 1 in 1900.

The deaths and cases in previous years of the above notified diseases will be found in Tables VIII. and VIII A.

#### DIARRHŒA.

Eleven deaths were caused by diarrhœa (all under one year of age) as compared with 1 in 1903, 3 in 1902, 4 in 1901, and 3 in 1900.

The death-rate was 1.64 per 1,000; 0.15 in 1903.

The rate for England and Wales was 0.86.

The rate for the 142 Smaller Towns was 0.46.

#### WHOOPIING COUGH.

Two deaths were due to Whooping Cough, as compared with 1 in 1903, none in 1902, 4 in 1901, and 1 in 1900.

The death-rate was 0.29; 0.15 in 1903.

The rate for England and Wales was 0.34. For the 142 Smaller Towns the rate was 0.27.

The deaths of these two diseases in previous years may be seen in Tables VIII. and VIII A.

#### EPIDEMIC INFLUENZA.

Three deaths were attributed to Influenza, as compared with 3 in 1903, none in 1902, 1 in 1901, and 2 in 1900.

The death-rate was 0.45; 0.45 in 1903.

The deaths from Influenza in previous years and their prevalence per 1,000 of population can be found in Tables IX. and IX A. Influenza was most prevalent in the last quarter of the year.

#### SCHOOL CLOSING.

No School was closed in the district during the year.

## WATER SUPPLY.

The water supply, as usual, is plentiful.

The construction of the reservoir and filter beds had been unavoidably delayed, but the conveyance of the land for the reservoir being now completed, the work is being forwarded with all possible despatch.

## THE SLAUGHTER HOUSES.

Dr. Bulstrode holds that "the accommodation afforded by the slaughter-house is far from satisfactory, and some of the butchers complained on the subject, at the same time expressing a wish that a public abattoir, properly administered, should be provided." As I have previously stated, with this opinion I coincide cordially.

On 27th January the carcase of a bullock was seized at the slaughter-house, and caseated tubercle being found plainly visible, permeating the lung, the carcase was condemned and destroyed.

## COMMON LODGING HOUSES.

There is one of these in Oldcastle and one in Newcastle. The one in the Rhiw, Oldcastle, is in an unsatisfactory state; and not in my opinion suitable for its purpose.

## SEWERAGE.

The sewerage of the area within the district is now completed. The whole of the house-drains have been connected to the new sewers.

## GENERAL CONDITIONS.

The general state of the district ought to be much improved by the completion of the sewerage works; still there were 19 cases of Enteric Fever in the year.

Thirty-two new houses have been erected—30 in Oldcastle, and 2 in Newcastle; and 8 were closed as "unfit."

Twelve were in course of erection—10 in Oldcastle, and 2 in Newcastle.

In 1903, 1,355 houses were occupied; in 1904 there were 1,372, an increase of 17 in the year.

The dwellings on the South and East sides of The Square, Newcastle, should be closed as unfit for occupation.

41, 43 Nolton Street and 4 houses in Nolton Passage have been repaired; 68, 70, 72, 74, 76, 78 and 80 Brackla Square have been closed.

The road to Cheltenham Terrace is still unmade, also to Australian Terrace.

The regulations under the Dairies, Cowsheds, and Milk-shops orders are enforced.

The Bake-houses, Fastories and Workshops have been inspected, reported upon, and improvements effected.

## IMPROVEMENTS, &c., FOR YEAR 1904.

The following are the Private Street Improvements:—

Back Road, N.E. of Ackland Road.

Brook Street.

Meadow Street.

Back Road N. of Green Street.

Back Road south of Park Street.

Back Road between 45 and 47 Park Street. The above were properly made.

## PUBLIC IMPROVEMENTS.

Making Road and Footpath at The Graig, Newcastle.  
A scheme of Storm Water Sewers has been carried out.

## REQUIREMENTS.

- 1.—The connection, without exception, of all the house-drains to the sewers is now completed.
- 2.—The approach road to Cheltenham Terrace to be made. This matter is in hand.
- 3.—The closing and the repair of the dwellings named above.
- 4.—Covered iron receptacles for the removal of, and an incinerator for the destruction of infected excreta.

The Isolation Hospital has not yet been erected.

Through the kindness of Mr. W. A. Whitton, of the County School, I am enabled to introduce in my Report the following interesting notes of the details of Rainfall, etc., at Bridgend for the year 1904.

I beg to remain, Gentlemen,

Yours faithfully,

**WYNDHAM RANDALL,**

Bridgend,  
20th February, 1905.

Medical Officer of Health.

## Meteorological Observations, 1904.

### BAROMETER.

Month.	Highest. Date. Inches.	Lowest. Date. Inches.	Mean of Month. Inches.
January	22 30.71	14 29.00	29.89
February	28 30.26	9 28.80	29.54
March	25 30.50	30 29.31	29.97
April	26 30.24	30 29.00	29.93
May	29 30.17	8 29.53	29.94
June	22 30.40	25 29.64	30.05
July	9 30.26	26 29.63	30.02
August	8 30.16	22 29.75	30.02
Septemb'r	18 30.16	12 29.89	30.02
October	13 30.39	7 29.59	30.04
November	15 30.45	23 29.52	30.02
December	29 30.47	12 28.85	29.89

### THERMOMETER.

Mean of Maximum. Date. Degr's.	Minimum. Date. Degr's.	Mean of Max. Degrees.	Mean of Min. Degrees.	Mean of Mean of Degrees.	No. of Days be- low 32°
...	...	...	...	...	...
21 55.0	28 31.0	48.8	36.3	42.5	5
19 69.0	11 33.0	55.1	42.1	48.6	Nil
31 73.5	4 30.5	58.9	45.3	52.1	1
7 81.0	27 39.5	67.1	47.3	57.2	Nil
11 84.0	9 46.0	71.8	56.2	64.0	Nil
30 82.4	25 42.0	69.2	50.0	59.6	Nil
18 72.4	27 31.5	63.4	44.6	64.0	1
4 63.5	25 33.5	57.5	45.0	51.2	Nil
4 58.0	24 19.5	49.4	35.1	42.2	9
5 56.0	24 26.0	47.3	37.2	42.2	6

### HYGROMETER.

Mean of Dry Bulb. Degrees.	Mean of Wet Bu'b. Degrees.	Rainfall. Inches.
41.4	38.2	5.26
38.5	37.2	6.09
40.5	38.8	2.36
50.6	46.6	2.64
53.6	51.0	3.25
60.1	55.4	1.21
64.6	61.5	4.73
62.1	60.5	4.85
58.9	57.0	2.25
50.8	49.0	6.17
42.1	40.8	4.03
42.7	41.3	3.34

## Factory and Workshop Act, 1901.

WORKSHOPS (including Workshop Laundries).—Inspections, 76.  
Defects Found: Want of Cleanliness, 7; Remedied, 7.

Workshops on the Register at the end of 1904:—Workshops, 50;  
Bakehouses, 12—Total, 62.

Sec. 22 P H. Act, Amendment Act, 1890, has been adopted.

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# ANNUAL REPORT

OF THE

# INSPECTOR OF NUISANCES.

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SURVEYOR'S OFFICE,  
BRIDGEND.

TO THE BRIDGEND URBAN DISTRICT COUNCIL.

GENTLEMEN,

I beg to submit for your consideration my Twelfth Annual Report of the Sanitary Works executed under your authority during the year ending December, 1904.

### NEW HOUSES.

Thirty-two new houses have been erected and certified fit for habitation. Thirty in Oldcastle Parish, and two in the Parish of Newcastle Lower.

### SLAUGHTER-HOUSES.

I have frequently inspected the Slaughter-houses, and upon the whole they are kept fairly clean considering their structural conditions.

The drains of Mrs. Morgan's slaughter-house have been connected to the sewer.

### INFECTIOUS DISEASES.

Only in two places were there sanitary defects upon premises of notified cases. In one case there was a choked drain; in the other choked drain and unpaved backyard.

Leaflets with instructions as to isolation, disinfection, etc., were left at the houses; disinfectants supplied, and drains flushed.

Thirty-five rooms, with clothing, bedding, etc., were disinfected with formalin gas.

### ACTION TAKEN FOR THE ABATEMENT OF NUISANCES, &c.

37 Preliminary Notices were served for the abatement of nuisances.

5 Legal Notices were served for the abatement of nuisances.

9 Legal Notices were served for the provision of new drains.

2 Legal Notices were served for the provision of efficient water closets.

6 Legal Notices were served under the Housing of the Working Classes Act, 1890.

9 Legal Notices were served for repairing shoots.

96 house drains were cleared from temporary obstruction.

3 defective house drains were reconstructed.

13 new drains have been provided.

16 inspection chambers have been built.

2 unventilated drains ventilated with 4-inch shafts.

13 houses draining into cesspools have been connected to the sewers.

2 houses draining into the river have been connected to the sewers.

19 defective yard-traps replaced with new stone-ware gully traps.

11 defective w.c. pans replaced with new.

3 w.c.'s provided with flushing cisterns, and water laid on.

3 dilapidated w.c.'s repaired.

37 choked w.c.'s cleared from obstruction.

19 nuisances abated caused by offensive accumulations and stable manure.

5 houses unfit for habitation have been repaired.

1 house has been closed voluntarily (22 Elder Street).

7 houses have been closed by an order from the Justices.

The old Market Culvert has been cleaned and filled in with clean dry rubbish.

#### IMPROVEMENTS CARRIED OUT.

A scheme for storm water sewers has been completed.

A footpath has been formed and paved, and the road made at The Graig.

#### PRIVATE STREET WORKS.

The following streets have been made during the year:—

Brook Street.

Meadow Street

Back Road north of Green Street.

Back Road north-east of Ackland Road.

Back Road south of Park Street.

Back Road between 45 and 47 Park Street.

I am, Gentlemen,

Your Obedient Servant,

**M. WILLIAMS,**

Surveyor and Inspector.

February 18th, 1905.

1. The first thing I noticed when I stepped out of the train was the cold air. It felt like a blanket of ice. I shivered and pulled my coat tighter around me. The street was empty, and the buildings looked like giant, silent sentinels. I walked slowly, my feet crunching on the snow. The sun was low in the sky, casting long, dark shadows. I felt a sense of isolation, as if I were the only person in the world. The air smelled of coal and diesel, a familiar scent from the city. I took a deep breath, trying to warm myself. The snow was falling softly, creating a hush. I looked up at the sky, wondering how long it would last. The world seemed so quiet, so still. I felt a pang of sadness, a longing for home. The train had taken me far from everything I knew. I was alone in a strange, cold place. The snow was falling, and I was walking. The world was silent, and I was alone.

A scheme for steam water power had been completed. A boiler had been found and tested, and the work of the...

THEY'RE STREET WORKS

The following list has been made during the year...  
 Back Road north of Green Street  
 Back Road south of Green Street  
 Back Road east of Green Street  
 Back Road west of Green Street

I am, Dear Sir,

Your obedient servant,

M. WILLIAMS

Engineer and Surveyor

February 15th 1851