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SCARBOROUGH UNION
RURAL SANITARY AUTHORITY

ANNUAL REPORT

OF THE

SANITARY CONDITION OF THE DISTRICT FOR THE YEAR 1893

BY

R. CUFF, M.B. (LOND.), M.R.C.S. (ENG.),

MEDICAL OFFICER OF HEALTH.

PRINTED BY ORDER OF THE UNION RURAL SANITARY AUTHORITY.

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THE

Scarborough Union Rural Sanitary Authority.

*To the Chairman and Members of the Scarborough Union
Rural Sanitary Authority.*

GENTLEMEN,

I have the honour to present to you my Annual Report, together with Tables setting forth the Births, Deaths, and Sickness in the District during the year 1893.

The number of Births registered was 264, giving a birth-rate of 27·3 per 1,000 of the population; the number of Deaths, from all causes, 143, giving a death-rate of 14·7 per 1,000; the number of deaths from Zymotic Diseases was 5, (this does not include a case of Typhoid Fever which was brought to Newbiggin ill with the disease,) giving a Zymotic death-rate of 0·5. Four deaths occurred in the Scarborough Workhouse amongst the Inmates who had been admitted from the country district, whilst there were registered as having occurred in our district the following deaths of strangers:—

Aug. 1	..... Typhoid	..... Filey (R.)
Sept. 1	..... Suicide	..... Scalby.
Nov. 2	..... Drowning	..... Filey (R.)

Consideration of the above figures, together with a study of the Tables published at the end of this Report, will disclose nothing of a disquieting nature: the death-rate is a low one, whilst the deaths from Infectious Disease

contracted in the District reduce themselves to one, a case of Scarlet Fever. In addition to this, however, we had eight deaths from Influenza, which has certainly earned a place amongst the serious Infectious diseases to which our district is liable, these deaths have occurred exclusively in old people, as under:—

MONTH.	SEX.	AGE.
November	M.	71
„	F.	70
„	F.	78
„	M.	66
„	M.	80
December	M.	73
„	M.	66
„	F.	66

Influenza.

The cases of this disease have been fewer, and the type milder, than in previous years; a certain proportion—10 to 15 per cent.—had been attacked on previous occasions.

The disease appeared in January in Cayton and Gristhorpe, in the FILEY RURAL DISTRICT. There were about 20 cases attended by medical men. The more elderly patients suffered from bronchitis subsequently; there were no deaths. I do not hear of any cases after the Spring in this district.

In the HUTTON BUSHELL DISTRICT cases occurred occasionally throughout the year. The disease was mild, but was complicated by bronchitis, which proved fatal in five cases, chiefly owing to the great age of the patients (*average age 71 years*) and the severity of the weather.

In the Autumn there were about 30 cases who received medical treatment in the CLOUGHTON DISTRICT, one being fatal,

a man aged 73. Here, also, a large proportion of the patients suffered from bronchitis.

In Oct., Nov., Dec., there were about 100 cases in the SHERBURN DISTRICT. The disease was of rather an acute type, and a large proportion (I am informed nearly all) of the patients had suffered from a previous attack. There were two fatal cases.

I now add, according to custom, some account of the Infectious Diseases which have come to my knowledge during the past year.

Smallpox. January,—one case at SCALBY. This, I think, had clearly no connection with the case which occurred in the village in the previous November. A second case occurred in the same house in February. Both recovered, and no subsequent case occurred in the village.

In *April*, a militiaman arrived at the Barracks on the Newby Road, and shortly after his arrival developed the disease. Every precaution was taken, the patient removed by Dr. Wright with the consent of the Urban Sanitary Authority, to the isolation hospital, and there was in this instance no spread of the disease.

In *May* two cases occurred, one at Cayton, the origin of which I could not determine, and one at SHERBURN. The last occurred in the person of an inmate of a common lodging-house, and the poison was left by two tramps who had slept there sixteen days previously, and were evidently convalescent from smallpox. Arrangements were made by me, and were immediately sanctioned by the Rural Sanitary Authority, by which extension of the disease was in this case also prevented; the cost to the Rural Sanitary Authority in this last case of hiring the lodging-house and attendants, &c., was £20. It was the occurrence of these several isolated cases which induced me to ask your permission to approach the Urban Sanitary Authority with a view to the reception into their hospital (which is situated in our district) of any future cases for the isolation of which we might become responsible. My application met with the ready sympathy of the Urban Sanitary Authority, and an agreement was arrived at upon which both parties are to be congratulated. The wandering of a convalescent tramp, such as visited us at Sherburn, has not infrequently proved the origin of very serious epidemics of

X smallpox in various parts of the country, and it is not unlikely that outbreaks of cowpox which have been termed spontaneous may be due to the same cause.

Scarlet Fever. Only six houses in the whole district have been attacked by this disease during the year, and these have been so far divided by time and distance that I have not considered that in any case the disease has spread beyond the house first attacked, the disease in each instance having been introduced into the district from without.

Typhoid Fever. Two cases have been imported into the district from distant towns ; both occurred in August, the one at Cloughton the other at Newbiggin ; the last terminated fatally. No case has arisen in the district during the year.

Erysipelas and Diphtheria. Of each of these diseases two isolated cases occurred.

Diarrhoea. In the Sherburn District there were numerous cases during the Summer and harvest-time, but no deaths.

Measles.

With the exception of Brompton, the district has been free from this disease during the past year. Here a few cases occurred in the Autumn, and on closure of the school there was no further spread of the disease.

Water Supply. Only one case of serious contamination has been brought to my notice during the past year, on analysing a sample from a well at Cayton I found impurities which were obviously due to sewage, and on visiting the place found that the ground round it was so saturated with sewage which came from a farm-yard near that I advised closure of the well : through this village the Scarborough Water Company runs a main, so that a good supply is easily procurable. The water-supply at Ayton is still a source of complaints, and with that exception the water-supply of the district may be pronounced good.

Drainage. The Inspector informs me that in several instances existing drains have been repaired and extended. No new sewers have been laid down during the past year.

ising of the
Working
Classes.

One case of overcrowding at Staxton has been satisfactorily dealt with, and one house unfit for habitation has been closed pending repairs at Flixton.

I beg to take this opportunity of thanking my Medical brethren in the villages round for their kindness and ready help whenever I have had occasion to make enquiries in their neighbourhood.

I have, during the year, made periodical inspections, and also paid such special visits as various occasions have required.

I have the honour to be, Gentlemen,

Your obedient Servant,

ROBERT CUFF, M.B. (Lond.), M.R.C.S. (Eng).,

Medical Officer of Health.

26th January, 1894.

TABLE I.

BIRTH AND MORTALITY TABLE FOR TEN YEARS.

YEAR.	BIRTHS	DEATHS.							Death-rate per thousand.
		Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	* 25 and under 65.	* 65 or upward.	At all ages.	
1893	264	30	6	9	3	38	57	143	14·7
1892	263	26	12	6	4	40	49	137	13·9
1891	243	24	9	8	8	31	76	156	15·9
1890	259	15	6	2	4	18	22	132	13·
1889	259	43	30	15	11	23	56	178	17·7
1888	272	43	10	4	6	35	55	153	15·1
1887	274	31	10	8	4	30	68	151	15·
1886	294	44	11	3	9	39	59	165	16·3
1885	289	22	14	5	10	22	53	136	13·3
1884	299	40	12	4	4	28	52	136	13·2

* 1883—91. The limits of age used are 25 and under 60, and 60 or upwards. Deaths between 60—65 in 18933.
 " " 18944.

TABLE II.

SHEWING DEATHS FROM ALL CAUSES AND FROM CERTAIN SPECIAL CAUSES DURING TEN YEARS.

Year.	Measles.	Scarlatina.	Diphtheria.	Croup (not Spasmodic.)	Whooping Cough.	Enteric Fever.	Other or doubtful Fevers.	Diarrhoea or Dysentery.	Rheumatic Fever.	Erysipelas.	Pyemia.	Puerperal Fever.	Phthisis.	Bronchitis, Pneumonia, or Pleurisy.	Heart Disease.	Ague.	Injuries.	All Other Causes.
1893	..	1	..	..	..	..	..	4	..	..	..	..	10	24	15	..	1	88
1892	..	2	1	..	2	1	..	..	1	..	..	1	9	19	15	..	6	80
1891	..	..	..	..	..	..	..	..	..	2	..	..	14	23	9	..	7	101
1890	..	..	..	..	4	1	..	..	..	..	..	..	11	24	15	..	2	75
1889	11	2	4	1	11	..	..	2	2	..	..	1	9	34	15	..	8	78
1888	..	..	1	..	2	1	..	1	..	..	..	..	9	31	8	..	6	91
1887	..	3	1	..	2	..	..	2	..	..	..	..	8	34	6	..	4	9
1886	1	..	1	..	3	2	..	4	..	1	..	1	10	28	15	..	5	9
1885	..	1	4	..	2	..	..	1	..	..	1	1	14	32	10	..	5	6
1884	1	..	..	..	4	2	..	7	..	..	..	1	11	18	10	1	2	7

TABLE III.

SHewing NUMBER OF DEATHS REGISTERED IN EACH SUB-DISTRICT
DURING TEN YEARS.

SUB-DISTRICT.	Popula- tion in 1891	YEARS.										
		1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	
Filey (Rural)....	1648	28	23	35	23	31	32	27	38	29	30	..
Sherburn	1510	27	25	26	17	40	23	25	24	17	21	..
Scalby	2260	30	32	22	25	33	32	39	28	29	31	..
Hutton Bushell..	4374	58	57	73	67	74	66	60	75	61	54	..

TABLE IV.

SHewing DEATHS FROM THE CHIEF ZYMOTIC DISEASES DURING TEN YEARS.

DISEASE.	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884
Small Pox .....	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	11	..	..	1	..	1
Scarlet Fever.....	1	2	..	..	2	..	3	..	1	..
Fevers {	Enteric .....	..	1	..	1	..	1	..	2	..
	Doubtful .....	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	1	..	..	4	1	1	1	4	..
Whooping Cough .....	..	2	..	4	11	2	2	3	2	4
Diarrhoea and Dysentery	4	..	..	..	2	1	2	4	1	7
Puerperal Fever .....	..	1	..	..	..	..	..	..	..	..
Total Number of Deaths from Zymotic Diseases in each year	5	7	0	5	30	5	8	11	8	14
Total Deaths from all causes	143	137	156	132	178	153	151	165	136	136

TABLE V.

SHEWING NEW CASES OF INFECTIOUS SICKNESS COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH DURING 1893, CLASSIFIED ACCORDING TO DISEASE, AGE, AND LOCALITIES.

SUB-DISTRICT.	AGE.	Small Pox.	Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.					Cholera.	Erysipelas.
						Typhus.	Typhoid.	Continued.	Relapsing.	Puerperal.		
Filey (Rural)	under 5		1	.	.	.	.	.	.	.	.	.
	5 upwards.	1	1	.	.	.	1	.	.	.	.	.
Sherburn	under 5 .. ..			.	.	.	.	.	.	.	.	.
	5 upwards.	1	.	.	.	.	.	.	.	.	.	1
Scalby	under 5 .. ..		.	.	.	.	.	.	.	.	.	.
	5 upwards.	3	4	.	.	.	1	.	.	.	.	.
Hutton Bushell.....	under 5 .. ..		.	.	.	.	.	.	.	.	.	.
	5 upwards.		7	2	.	.	.	.	.	.	.	1
Totals	under 5		3	.	.	.	.	.	.	.	.	.
	5 upwards.	5	12	2	.	.	2	.	.	.	.	2

TABLE VI.

GIVING BIRTH RATE, &C., FOR YEAR 1893, OF SCARBOROUGH RURAL DISTRICT, AND FOR COMPARISON THOSE OF ENGLAND AND WALES FOR THE SAME YEAR.

	England and Wales.	Scarborough Rural District.
Birth Rate per 1,000 population ..	30·8	27·3
Death Rate ..	19·2	14·7
Zymotic Death Rate ..	2·47	0·5
Infantile Mortality (under 1 year) per 1,000 births	159	113

TABLE VII.

A RECORD OF THE ENTRIES IN THE JOURNAL OF THE INSPECTOR
OF NUISANCES DURING TEN YEARS.

YEAR.	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	
Concerning Drains	33	26	23	19	24	24	14	22	12	26	..
Privies	5	1	1	5	7	2	2	4	3	14	..
Manure and Ash Heaps	12	9	2	8	11	12	14	11	7	18	..
Water Supply	2	11	3	5	2	2	2	2	6	7	..
Disinfection of Houses, etc.	8	3	4	3	15	23	22	14	46	19	..
Quarries Fencing . . . . .	..	..	..	..	..	8	..	..	..	..	..
Piggeries	1	4	6	4	4	3	..	..	..	..	..
Cowsheds	1	..	3	4	..	..	..	..	..	..	..
Damp Houses	1	..	..	1	3	..	..	6	1	4	..
Overcrowding	1	..	2	2	..	..	..	..	..	..	..
Other Nuisances	2	7	4	4	4	2	2	1	6	14	..
Polution of Stream	2	1	1	..	..	..	..	..	..	..	..
Total Nuisances in each year	68	62	49	55	66	76	56	60	81	82	..

NOTICE SENT TO EACH PERSON IN CHARGE

SCARBOROUGH UNION.

Rural Sanitary Authority.

To Mr.....

of.....

It having come to the knowledge of the Rural Sanitary Authority of the Scarborough Union that an inmate of your house is suffering from a dangerous infectious disorder,..... I beg to call your attention to Section 126, Public Health Act, directing you to take certain precautions to prevent the spread of infectious diseases.

The period during which the disease called..... is infectious, and during which you must not allow the patient to be exposed, lastsweeks from the commencement of the disease, in this case until , unless otherwise determined by a Medical Certificate.

By order of the Rural Sanitary Authority,

Signed,

W. O. WOODALL

Clerk.

Scarborough,

....., 1894.

CASE OF INFECTIOUS DISEASE.

PUBLIC HEALTH ACT, 1875.

Sec. 126. Any person who—

- (1.) While suffering from any *dangerous* (a) infectious disorder wilfully exposes himself without proper precautions against spreading the said disorder in any street, public place (b), shop, *inn*, or public conveyance, or enters any public conveyance without previously notifying to the owner, conductor, or driver thereof that he is so suffering; or
- (2.) Being in charge of *any person* (c) so suffering, so exposes such sufferer; or
- (3.) Gives, lends, sells, transmits, or exposes, without previous disinfection, any bedding, clothing, rags, or other things which have been exposed to infection from any such disorder,

shall be liable to a PENALTY not exceeding FIVE POUNDS; and a person who, while suffering from any such disorder, enters any *public conveyance* without previously notifying to the owner or driver that he is so suffering, shall in addition be ordered by the court to pay such owner and driver the amount of any loss and expense they may incur in carrying into effect the provisions of this Act with respect to disinfection of the conveyance.

- (a) Dangerous infectious Disorders include any of the following diseases:—
Small-pox, Cholera, Diphtheria, Membranous Croup, Erysipelas, the disease known as Scarlatina or Scarlet Fever, and the Fevers known by any of the following names: Typhus, Typhoid, Enteric, Relapsing, Continued or Puerperal, and also any Infectious Disease to which the Act has been applied by the Local Authority in manner provided by the Act.
- (b) School, Church, &c.
- (c) This person may be an adult as well as a child.

