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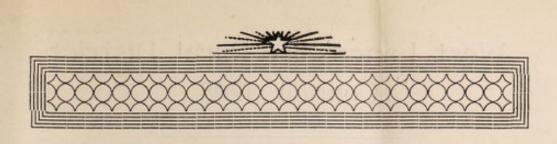
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# West Lancashire Rural District Council.

# -\* Annual Report \*

For the Year 1908.

MEDICAL OFFICER OF HEALTH: GEORGE EDWARD SCHOLEFIELD, M.D., EDIN., D.P.H., VICT.



# West Lancashire Rural District Council, 1908.

Chairman	 HENRY UNDERWOOD.
Vice-Chairman	 JOHN PIMBLEY.

Altcar			REV. W. WARBURTON (Resigned). CHARLES HY. MILBOURN.
Aughton	 		Henry Underwood. Jas. M. Woods.
Bickerstaffe ,,	 	 	RICHARD RIMMER. THOMAS HEYES.
Bispham			LAWRENCE ASHCROFT.
Downholland			JOB SUMNER.
Halsall			John Harrison.
Hesketh			SAMUEL IDDON.
Lydiate			THOMAS SHAW.
Maghull			John Pimbley.
Melling			Edward Service.
North Meols	• • • •		HENRY BALL.
Rufford			RICHARD VATES (Resigned). THOMAS LYON.
Scarisbrick			Evan Heaton.
"		• •	HENRY HOLMAN.
Simonswood			John Hesketh.
Tarleton			HENRY ALTY.

# Annual Report for 1908.

To the Chairman and Members of the West Lancashire Rural District Council.

GENTLEMEN,-

I have pleasure in presenting for your consideration my Eleventh Annual Report, dealing with the Vital Statistics, the Public Health, and the Sanitary Work of the District during the year 1908.

The year has been noticeable for several reasons.

The scheme for supplying Holmeswood and Rufford with water from public service was completed at the end of the year, and the inhabitants of that part of the district will now be able to have a supply of good, and wholesome water.

The mains down Renacre-lane to Shirdley Hill, Halsall, have also been completed during the year, and all the housesalong the route connected.

The Aughton Parochial Committee decided to buy the land on which the sewage was treated, and this was duly completed.

The Rev. William Warburton, after many years connection with the Council, resigned his seat owing to his departure from Altcar, a fact which was regretted by all, and Mr. Charles Henry Milbourn, of Gore House Farm, was elected to succeed him as the representative of Altcar.

Owing to advancing years and ill health, Mr. Richard Yates of Rufford resigned his seat, and Mr. Thomas Lyon was elected to succeed him.

North Meols for some months was practically without a representative, as Mr. Henry Ball ceased to take an active part in the work of the Council.

POPULATION.—The basis upon which this is calculated is the number of Inhabited Houses in the District. The Assistant Overseers have informed me that this number was, at the end of the year, 4283, an increase of 49 over the number in 1907. Aughton had 8, Bickerstaffe 3, Downholland 1, Halsall 12, Hssketh 5, Maghull 3, Melling 5, Rufford 5, Scarisbrick 3, and Tarleton 17, more than in the previous year. While Altcar had 3, Bispham 7, Lydiate 1, North Meols 1, and Simonswood 1 less. From these figures I estimate that the population at the middle of the year was 21,040, including 300 in the various institutions. This is an increase of 130 over the previous year.

BIRTH-RATE.—Four hundred and ninety-eight Births were registered, to which must be added 2 in the Ormskirk Workhouse, 262 being boys, and 238 girls. These 500 Births are equal to an Annual Birth-rate of 23.76 per 1,000 of the population, which is 3.3 more than that for the previous year, but 1.98 less than the average of the 10 preceeding years. Seven of the Births, or 1.4 per cent. were illegitimate.

DEATH-RATE.—Two hundred and ninety Deaths were registered as having occurred in the District, to which number must be added 12 which took place in the Ormskirk Workhouse and 3 in Liverpool Hospitals, while 3 which occurred in the Epileptic Homes, Maghull, 2 in the Liverpool Union Convalescent Home, Maghull, and 10 in the Southport Borough Isolation Hospital, situated in North Meols, must be deducted. This gives a net total of 290, of which 170 were males and 120 females. The resulting Annual Death-rate is 13.78 per 1,000 of the population, which is 1.21 more than that for 1907, and .25 higher than the average of the 10 preceeding years.

EPIDEMIC DEATH-RATE.—Sixteen Deaths were due to the principle Epidemic Diseases, viz :—Scarlet Fever 3, Diphtheria 1, Enteric Fever 2, Whooping Cough 7, and Diarrhoea 3. These 16 deaths give an Annual Epidemic Death-rate of .76 per 1,000, which is the same as that for 1907, and .23 less than the average of the 10 preceeding years.

INFANTILE MORTALITY-RATE.—Forty-nine deaths of children under the age of 1 year were registered. This gives an Annual Infantile Mortality-rate of 98 per 1,000 Births, which is 14 above that for 1907, but 14 below the average of the preceeding 10 years. One of these infants was illigitimate, being slightly over 2 per cent. of the total Infantile Mortality and over 14 per cent of the Illegitimate Births.

. The rate for Phthisis Pulmonalis was  $\cdot 8$ , which is below the average, for other Chest Diseases  $1 \cdot 8$  also below the average, Cancer had a rate of  $\cdot 66$  slightly above the average. Deaths due to Heart Disease were again above the average, but those due to Diarrhoea were again below the average. Thirty-one deaths were ascribed to Old Age, 13 of them being over 80 years of age. In all there were 87 deaths of persons over 70 years of age divided as follows :--From 70 to 75, 36; 75 to 80, 27; and over 80, 24. This represents 30 per cent. of the whole number of deaths.

The following Table compares the foregoing rates with those for England and Wales, and with some of those for the Administrative County of Lancaster.

	Birth-rate per 1,000 living.	Death-rate per 1,000 living.	Epidemic Death-rate per 1,000 living.	Infant Mortality per 1,000 Births:
England and Wales	26.5	14.7	1.29	121
Rural England & Wales	26.2	13.8	.99	110
Lancashire		13.9	1.49	
Urban Lancashire		13.9		
Rural Lancashire West Lancashire Rural		13.4		
District	23.76	13.78	.76	98

DEATHS AND OTHER RATES FOR ENGLAND AND WALES. LANCASHIRE, AND THE WEST LANCASHIRE RURAL DISTRICT. VITAL AND OTHER STATISTICS OF THE TOWNSHIPS COMPRISED IN THE

Атегаge of previous ten years.	114	127	98	89	130	103	101	140	149	143	104	129	104	75	108			112
Intant Mortality per 1000 Births.	125	92	155	202	80	205	!	32	38	33	92	214	62	250	115		-	98
Average of previous. ten years.	2.70	96.	1.32	69.	1.25	1.13	.84	1.80	21.1	1.15	1.18	1.02	27.	88.	<u>96</u> .	-		66.
Epidemic D'th-rate per 1000 living.	1	1.30	1	2.54	1	11.	.98	2.84	89.	1	-52	1	1.31	1	.48			92.
Average of previous ten years.	13.26	13.21	13.66	15.12	13.83	12.61	14.85	10.21	14.63	14.86	12.34	15.96	12.27	88.6	14.10			13.53
Death-Rate per 1000 living.	99.4	13.56	17.28	10.12	15.15	15.00	17.64	13.28	8.45	16.86	11.57	14.28	12.70	16.85	14.09			13.78
Average of previous ten years.	22.84	22.97	27.94	17.54	21.90	25.87	30.00	24.54	20.86	26.83	29.43	20.64	20.48	20.59	26.72			25.74
Birth-Rate per 1000 living.	15.32	21.25	22.38	22.90	34'43	20.71	28.43	29.41	15.70	29.76	28.42	18.18	21.03	22.47	25.75		-	23.76
Public Houses &																	T	
Number of Sogi Houses 1908.	60	784	393	52	142	290	232	218	290	216	398	167	481	63	467		-	4,283
Population estimated to middle of 1908.	522	3,826	2,144	318	726	1,400	1,020	1,054	1,656	1.008	1,900	770	2,282	356	2,058			21,040
Acreage.	4,083	4,610	6,444	926	3.473	6,995	4,736	1,995	2,098	2,118	4,372	3,120	8,397	2,645	5,553		-	61,565
1908.	ALTCAR	AUGHTON	BICKERSTAFFE	BISPHAM	DOWNHOLLAND		HESKETH	LYDIATE	MAGHULL.	MELLING	NORTH MEOLS	RUFFORD	SCARISBRICK	SIMONSWOOD	TARLETON			WEST LANCASHIRE RURAL DISTRICT

WEST LANCASHIRE RURAL DISTRICT.

Table showing the number of Houses in each Township and the whole District known to be Infected during the year, and the numbers of Cases and Deaths.

1

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	i		18
Totals.	0.	657 112 112 112 112 112 112 112 112 112 11	373
Tol	н.	28: 29422 433 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	244
	ġ		10
Puerperal Fever,	0		00
Innound	H.		60
	D.		
Erysipelas.	U		6
	H.	0 1 1 1 1 1 0 1 1 0	80
Diarrhea.	D.		63
Epidemic	ö		60
	H.		60
	<u>  A</u>	<b>1 1 5</b>	
Whooping.	0	<b>4 1 1 1 1 1 1 1 1 1 1</b>	256
	H.	28 23 28 28 28 28 28 28 28 28 28 28 28 28 28	165
	D.		
Measles.	ö		60
	H.		60
	A I	· · · · · · · · · · · · · · · · · · ·	61
Enteric Fever.	0.	9	55
	H.		6
Croup.	D.		I
Membranous	0		4
Diphtheria	H.		4
	A.	1 1	~
Scarlet Fever	0	401010100040	73
	H.	0.40-14 :014 : :01 :01 ]	49
	.u		Market Mark
Smallpor.	H. C. D.		
	H.		
1908.	TOWNSHIP.	ALTCAR AUGHTON AUGHTON BICKERSTAFFE BICKERSTAFFE BICKERSTAFFE BOWNHOLLAND HALSALL HALSALL HALSALL HALSALL HALSALL HALSALL HALSALL HALSALL HALSALL HALSALL HALSALL MAGHULL MAGHULL MAGHULL MAGHULL MAGHULL NORTH MEOLS NORTH MEOLS SCARISBRICK SCARISBRICK SCARISBRICK SIMONSWOOD TARLETON	WEST LANCASHIRE RURAL DISTRICT

Table showing the number of Cases of Infectious Disease which came to the knowledge of the Sanitary Authority during the years 1898 to 1908, and also the number of Houses infected and the Deaths that occurred.

1	D.	55	19	=	21	12	10	21	9	17	6	10
TOTALS.	·.	124	398 19	20 111	11921	239 12	100 10	434 21	202	159	462	263
	H.	751	255	18	89 ]	269	57	300	137	109 159	225	171 263
		-	12 2	6	18	3 1	9	6 3	4	11	4 2	3
Dysentery.	C. D.	111	121	6	181		9	9	4		4	3
Distribus	н.	11	121	6	181	3	9	9	4	III	4	3
	D. I	9	-	61	3]	00	3	9	63	3	61	-1
Congh.	C. I	14		11	65	18	15	61	01	3	28	257
Whooping	н.	00		6	47	15	12	64	67	00	19	165 2
	in the last	2	1-		0	-	-	6	0	3	60	-
	D.	66	1076		36		19		1000			: .
Measles.	ö	2.92	386	:		218		33	196	145	430	
	н.	56	243	:	24	141	39	5 230 331	10 131	95	212	3
	D.	11	.9	6	10	151	13			8	-	8
Torais.		67	88	114	174	131	111	95	122	78	109	111
.златоТ	H.	20	63	791	128	90 131	11	76	901	67	64 ]	731
	D.	-	ч	1	0 1	63	00	:	3	1		67
Puerperal Fever.	0.	-	61	01	61	4	4		00	-		3
foreground	н.	-	C1	63	61	4	4	:	3	1	-	3
	D.	01	0	3	0	7	0	5	0	0	:	:
Erysipelas.	°.	19	6	Ξ	21	14	ŝ	9	-1	6	-1	6
	н.	101	6	П	21	14	10	9	-	6	-	8
	D.	0	-	CI	4	3	9	61	4	3	1	5
Eaver.	°.	13	19	21	21	10	24	12	15	22	5	53
	н.	13	15	14	5	10	17	12	13	18	5	6
Croup.	ġ.	4	4	3	5	10	61	0.	61	1	63	1
Membranous	ö	12	27	15	35	12	17	I	14	5	14	4
Diphtheria	н.	12	20	11	26	12	10	1	12	-1	12	-44
1	D.	-	0	0	1	4	0	1	1	3	4	30
Scarlet Fever.	°.	61	37	65	95	89	46	11	83	39	83	73
	H.	34	17	41	56	49	34	57	55	32	40	49
	D.	1 :	:	:	:	:	63	-	;	:	:	
Smallpox.	ö	1 :	÷	:	:	C1	7 15	:	:	:		:
	н.	1 :	:	:	:	1	5	:	:	:		:
		1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908

The figures given in this table differ from those given in the previous Annual Keports, as the returns for Ainsdale and Formby are not included.

8

TO 1907.	Mean of England & Wales, 1898 to 1907.		08.5	16.43	1.81	10.	.31	11.	-21	•29	1.47	.12	12.	-56	·03	-25	•04	20.	1.22	2.66	-85	69.	-93	142
I 898 I	Mean of 10 years, 1898 to 1907.	000 00	95.74	13.58	66.	600-	·14	02.	.12	.16	1.33	.12	11.	.48	:03	-34	02	·01	06.	2.12	-61	99.	1.26	112
FROM	1908.	010 10	93.76	13.78	92.			•14	<b>*</b> 0.	.33	1.90	60.	·14	-42	:	-47	60·		.80	1.80	99.	-75	1.47	98
	1907.	010 00	100	10	.76		-14	61.	60.	60.	1.62	·04	•19	-43		-53			19.	2.15	-62	92.	1.19	84
DISTRICT	1906.	120 00	20,001	13.69	1.16		•14	·14	·04	•14	1.35	·14	-53	·14		:	•04		-82	1.64	-82	1111	1.84	93
	1905.	18	2.6	66-11	.63			10.	60.	60·	-87	61.	.19	.34		60.	•14		1.07	1.90	89.	.73	1.12	103
RURAL	1904.	10	0.0	13-20	1.17		•44	.04	::	-29	1.66	60.	-28	•29	60.	-24			\$	2.15	.48	19.	1.02	113
	1903.		20,105	00-61	1.04	60.	•0.		60-	•14	19.	-24	-24	49		-44	·14	60.	-74	1.53	·84	F9.	1.48	92
LANCASHIRE	1902.	000 00	207,02	114.40	1.13		·04	·19	-24	-39	1.52	60·	·14	69.	·04	·14	60.	.04	·93	2.17	69.	.34	1.23	133
NCA	1901.	10 01	19,54	14 -5.6	1.41			<b>90</b> .	-20	.15	1.25	.20	06.	<u>6</u> <del>1</del> .	::	-20		.10	11.1	2.51	<u>.</u>	1.80	1.05	111
-	1900.	.00 00	626'61	14-86	-10				.15	.10	1.85	.10	22.	<u>çç</u> .	.15	1.05	·02		.75	2.41	.55	1.10	1.25	122
WEST	1899.	000 01	19,923	15-15	1.23		-35		•20		1.31	·09	09.	29.		19.	20.	20.	1.20	2.31	.45	.20	1.00	141
THE	1898.		19,000	15-02	98.	3	-25	ç0,	.15	0%.	1.27	<u>9</u> 1.	99.	18.	.10	17.	20.		1.02			·45	1.43	133
VITAL STATISTICS OF THE	-		Estimated Population	Dirth Date, per 1000 IIVIIIS	eath Rate	Smallnov		Tever				_		Birth	:		Fever		318	& Pleurisv		Accident, and Suicide	Old Age	fortality, per 1000 Births

1001 TO 1007 NOGE

9

# INFECTIOUS DISEASES.

On page 7 will be found a Table giving the number of cases of Infectious Disease which came to my knowledge during the year, the number of houses which were infected, and the number of deaths which were due to these diseases. This table allocates the cases to the different Townships in which they occurred. Also on page 8 will be found another table which gives for comparison the number of cases which were known to be in the whole of the district in each year since 1898. From the first Table it will be seen that there were 373 cases, in 244 different houses, with 18 deaths. This is a decrease of 198 cases and 45 houses, but 2 more deaths, in comparison with the previous year. Comparing the individual diseases with the previous year, it will be seen that there were 10 fewer cases of Scarlet Fever and 1 Death less : 10 cases and 1 death less of Diphtheria. Enteric Fever was responsible for 17 more cases and 1 more death, a noticeable feature being that in one house in Hesketh there were 6 cases, and in another 3, while in a house in Scarisbrick there were also 6 cases, and 1 death. In all three instances the first case was unrecognised and the others were probably infected from it. This was very apparent in the Scarisbrick cases. Measles was almost non-existant, a change from the previous year, but Whooping Cough increased very much. Diarrhoea was responsible for 1 less death; Erysipelas for 2 more cases; and Puerperal Fover for 3 cases and 2 deaths more. The percentage of deaths to the total number of cases was 6.5.

In addition to the usual notifications from Medical Practitioners, School Teachers informed me of 240 cases of Whooping Cough, and 1 case of Scarlet Fever, parents of 6 cases of Scarlet Fever, and 2 of Measles, while inquiry brought to light 3 cases of Scarlet Fever and 9 of Whooping Cough. The Registrars' Special Reports have as usual been of value.

#### SMALL-POX.

Again I am able to report that the District has been free

from this disease. Also that no further action has been taken respecting the provision of a joint Small-pox Hospital for the various Authorities in the Ormskirk Union. This is much to be regretted, as, should cases occur, there will be the same difficulty, as in the past of dealing with them, causing much anxiety and alarm. In our own district the tent hospital can be erected in a short space of time, and cases isolated without much delay.

#### SCARLET FEVER.

HOUSES INFECTED, 49; CASES 73; DEATHS 3;

The Townships affected were Altcar, 3 houses, 4 cases; Aughton 14 houses, 19 cases, 2 deaths; Bickerstaffe 9 houses, 10 cases; Bispham 1 house, 1 case; Downholland 1 house, 2 cases; Halsall 4 houses, 7 cases; Lydiate 8 houses, 20 cases, 1 death, Maghull, 1 house, 2 cases; Melling, 4 houses, 4 cases; Scarisbrick 2 houses, 2 cases; Tarleton, 2 houses, 2 cases. There were 10 fewer cases and 1 death less than in the previous year.

Lydiate, Aughton and Bickerstaffe were the Townships chiefly affected, and the spread of the infection in all cases was probably due to school influence, and so much was this the case in Lydiate, that I considered it advisable that the Church of England School should be closed from January 27 to February 24, and as the disease had not abated to a sufficient extent, I advised that the school should not be opened for another 3 weeks. Most of the cases in Aughton attended Christ Church School and I attribute the majority of the cases firstly, to infection being carried from a house where a young child was suffering from the disease for 3 days before a Medical Man was called in, at the same time other children attending school; and secondly to a girl, who probably received infection from this source, returning to school after the disappearance of the rash, and the true nature of the disease only being discovered when desquamation commenced. The Altear cases attended Lydiate School. Sixty-two of the cases were

removed to Hospital, being 84.9 per cent. of the ascertained cases. The remainder could be sufficiently well isolated at home. In Halsall 4 of the cases occurred at a Farm House from which milk was sold in the Township, as the house was a large one the parents objected to the removal of the children to Hospital, so in order to prevent the danger of the disease being spread throug h the medium of the milk, the cows were removed to other premises, and no person in attendance on them, or connected with the milk went to the house. No cases occurred on the milk round. The cases in Scarisbrick and 3 of those in Aughton were connected with the incidence of the disease in a neighbouring district.

#### DIPHTHERIA.

HOUSES INFECTED, 4; CASES, 4; DEATH, 1.

The case in Downholland and the one in Melling were on insanitary premises; the Aughton case was obscure, the premises being in a cleanly condition and connected with the main sewer. There was no apparent reason for the case in Hesketh.

#### ENTERIC FEVER.

HOUSES INFECTED, 9; CASES, 22; DEATHS, 2. ALTCAR.

T.H., male, aged 16. Premises fairly satisfactory. AUGHTON.

J.M., male, aged 32. Probably contracted the disease while working outside the district. HESKETH.

M.T., female, aged 15. Premises in an insanitary condition.

D.T., female, aged 11 J.T., female, aged 9 S.T., male, aged 7

J.T., male, aged 4 G.T., male, laged 2 } as the foregoing.

M.I., female, aged 43.2 Premises without proper drainage, otherwise well kept

M.I. female, aged 4 R.I., male, aged 4 } as the foregoing. J.C., male, aged 34. A large, open, uncemented privy ashpit at rear of premises.

M.C., female, aged 25. Premises unsatisfactory as regards disposal of household refuse. SCARISBRICK.

P.D., male, aged 23. Fatal case. Premises very insanitary; water supply from a well, a sample from which on analysis proved to be unfit for domestic use.

E.D., female, aged 11 W.D., male, aged 18 J.D., male, aged 22 E.D., female, aged 6 A.D., female, aged 16

as the foregoing.

H.H., female, aged 39. Fatal case. Water supply from well, and unsatisfactory. Drainage also unsatisfactory.

J.T., male, aged 34. No apparent cause. Water supply from public service.

R.M., male, aged 30. Drains emptied into ditch near the house.

#### MEASLES.

#### HOUSES INFECTED, 3 : CASES, 3.

These were each isolated cases and no comment is needed.

#### WHOOPING COUGH.

#### Houses Infected, 165; Cases, 256; Deaths, 7.

This disease was more prevalent than for many years and was responsible for 7 deaths. Ten townships altogether suffered—Aughton, Lydiate, Melling, North Meols, Scarisbrick, and Tarleton, being the most affected. In February a few cases came to my knowledge in Aughton and Bickerstaffe, and in March further cases were discovered in Lydiate and Melling. As the disease was spreading by school influence, I advised that the Aughton Roman Catholic School, Melling, should be closed from March 16th to April 27th, and the Roman Catholic School, Lydiate, from March 13th to April 22nd ; in the former 40 per cent. of the children suffered from the disease, and in the latter 25 per cent. The disease next appeared in Tarleton, and I advised that the Mere Brow School sould be closed from May 1st until June 9th, 24 per cent. of the scholars being attacked. About the same time Banks was affected, and I advised that the Primitive Methodist School in that place should be closed from May 4th to June 8th, 28 per cent. of the children being attacked. In June an outbreak occurred among the children attending the Township School, Scarisbrick, 30 per cent. of the scholars being attacked, and I advised that the school should be closed from June 26th to July 27th. In all these instances the action was justified by the results, as few fresh cases commenced after the children ceased to be together in school.

# DIARRHŒA.

Three deaths were certified as being due to this disease, being one less than in the previous year.

### ERYSIPELAS.

HOUSES INFECTED, 8; CASES, 9. None of these call for any special comment.

### PUERPERAL FEVER.

HOUSES INFECTED, 3; CASES, 3; DEATHS, 2.

There seemed to be no special reason for the disease in any of the cases.

#### TUBERCULOSIS.

No system of notification of the above disease has been adopted up to the end of the year, and consequently no action has been taken during the progress of any case, but in many instances after a death has taken place the house has been disinfected, and the public are becoming alive to the value of the work, and it is not often now that any objection is raised.

The incidence of the new regulation which came into force on January 1st of this year will allow at least a few of the cases to be under observation during the progress of the disease, and will enable instructions of a necessary character to be given to those in attendance. There is no hospital accommodation for cases of this description, other than that provided by the Guardians, at the Union Workhouse, Ormskirk.

# ISOLATION AND DISINFECTION.

All houses in which cases of an infectious nature are known to exist, whether notified by medical men or not, are visited, an endeavour being made to discover the source of infection, and frequently much valuable information is gained, and also other cases are often brought to light.

Instructions are given to the householders regarding the precautions that should be taken to prevent, if possible, further spread of disease, and a copy of the "Rules and Regulations to be observed in the management of Infectious Diseases" is left at the house, and should the disease be Scarlet Fever, an additional leaflet is left, drawing attention to the responsibilities and liabilities of parents in regard to the notification and the prevention of the spread of the disease. The leaflets are also distributed among the parents of children who are attending a school in which cases of Scarlet Fever have occurred. It is not unusual for parents to consider that a mild attack of Scarlet Fever is Measles, and in this way much mischief is done by the patient being allowed to mix with other children while in an infectious state.

Izal is supplied in all cases by the Inspector to persons in whose house there are cases of infectious disease, if application is made for it.

At the termination of all cases of Diphtheria, Enteric Fever, Puerperal Fever, Scarlet Fever, and Smallpox, the hospital porter proceeds to the house, and thoroughly disinfects the rooms where the patients have been, removing to Holly House for steam disinfection everything that may require it.

# HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASES.

Holly House, Aughton, formerly a country residence, was acquired by the District Council, and after alterations had been made so as to provide accommodation for eight Scarlet Fever and two Enteric Fever cases, it was opened for the admission of patients on February 9th, 1897. Attached to the establishment is a "Thresh" Steam Disinfector, and there is also a Brougham Ambulance, and a Bedding Van. Along with the house are four acres of land.

The New Pavilion which was opened in July, 1902, for the reception of cases of Scarlet Fever has again proved its value,

No patients have, as yet, been sent to the hospital by the Croston Urban District Council who have an agreement by which that authority can send patients to Holly House suffering from Diphtheria, Enteric Fever, and Scarlet Fever.

It has not been necessary during the year to take advantage of the arrangement with the Southport Corporation to take cases from the Northern Townships.

The following is a summary of the work done at the Isolation Hospital during the year :—On January 1st, there were 8 patients suffering from Scarlet Fever in the Hospital, and during the year they were admitted 62 patients suffering from Scarlet Fever, 3 from Enteric Fever, and 1 from Diptheria. In addition, the mother of one of the patients, an infant, was admitted, as it was considered that by so doing, it would in all probability prevent any further spread of the disease in the family, and in the neighbourhood, a course which seemed to be justified by the result, as no further case occurred.

The patients were admitted from the following Townships :--Scarlet Fever-Altcar 2, Aughton 18, Bickerstaffe 9, Downholland 2, Halsall 4, Lydiate 20, Maghull 2, Melling 4, Scarisbrick 2. Enteric Fever :--Aughton 1, Hesketh 1, Scarisbrick 1. Diphtheria :--Downholland 1.

Sixty-four cases of Scarlet Fever, 3 of Enteric Fever, and 1 of Diphtheria were discharged cured. Three deaths due to Scarlet Fever occurred, 1 on the same day, and the 2 others on the day following admission.

Nearly 85 per cent. of the ascertained cases of Scarlet Fever in the district were treated in hospital. The average residence of each patient in hospital was 53 days, the average number of patients per week was 9.8, the highest number in any one week being 22 and the lowest 2. At no time during the year was the Hospital empty.

The outside work during the year had been as follows :--There have been 54 journeys with the Ambulance, 118 with the Bedding Van, 36 by cycle with the Portable Spray, 435 rooms have been disinfected in 102 different houses, the Disinfector has been used 119 times, and 5,702 articles of bedding, clothing &c., have been disinfected. Seven schools have been disinfected during the year.

The following Tables give the Figures for each year since the hospital was opened :--

	Scarlet Fever.	Enteric Fever.	Diphtheri <sub>a</sub>	Smallpox.	Total.	Deaths.
1897	21	3	.0	0	24	0
1898	23	2	0	0	25	0
1899	29	7	0	0	36	0
1900	80	2 & 1 (?)	0	0	83	3
1901	50	1	0	0	51	2
1902	66	3	1	· 1	71	3
1903	'34	8 & 1 (?)	5	13	61	1
1904	61	4	1	0	66	2
1905	72	1	6	0	79	2
1906	34	12	3	0	49	3
1907	79	1	10	0	90	4
1908	63	3	1	0	67	3
Total	612	49	27	14	702	23

PATIENTS ADMITTED TO THE HOSPITAL.

Percentage of admission of Patients suffering from Scarlet Fever to the ascertained cases in the West Lancashire Rural District each year :—

1897	 	 	9•5 pe	r cent
1898	 	 	28.7	"
1899	 	 	39.4	,,

17

в

1900	 	 	56.9	,,
1901	 	 	40.8	,,
1902	 	 	53.0	,,
1903	 	 	62.9	,,
1904	 	 	53.9	,,
1905	 	 	84.3	,,
1906	 	 	87.1	,,
1907	 	 	92.9	,,
1908	 	 	84'9	,,

OUTSIDE WORK IN CONNECTION WITH THE HOSPITAL

1

	Jour	NEYS.	1	Disi	NFECTION.	
	Ambu- lance.	Bedding Van.	Rooms.	Houses.	Disinfect'r used.	Articles disinfected.
1897	16	31	28	20	28	543
1898	20	65	34	31	79	1,292
1899	30	176	104	85	217	4,411
1900	64	263	150	125	393	8,089
1901	38	245	128	112	369	6,586
1902	59	205	199	134	150	3,446
1903	52	149	352	107	143	7,980
1904	52	154	512	126	116	7,510
1905	61	148	578	133	122	9,339
1906	45	80	312	85	75	4,495
1907	65	122	538	101	136	6,224
1908	54	118	435	102	119	5,702
Totals	556	1,756	3,370	1,161	1,947	65,617

The Hospital and the grounds have been kept in good order during the year, Miss Pick, the Matron, having showed her usual zeal in her efforts to have everything in as satisfactory a condition as possible.

# CLOSURE OF SCHOOLS.

I consider it necessary during the year to advise that the following schools should be closed on account of the prevalence of Infectious Disease among the children attending :-

The Church of England School, Lydiate, from January 27th to March 16th, on account of Scarlet Fever.

The Roman Catholic School, Lydiate, from March 13th to April 22nd, on account of Whooping Cough.

The Aughton Roman Catholic School, Melling, from March 16th to April 27th, on account of Whooping Cough.

The Mere Brow School, Tarleton, from May 1st to June 9th, on account of Whooping Cough.

The Primitive Methodist School, Banks, from May 4th to June 8th, on account of Whooping Cough.

The Township School, Scarisbrick, from June 26th to July 27th, on account of Whooping Cough.

# EXCLUSION OF INDIVIDUAL CHILDREN FROM SCHOOL.

Whenever possible, instead of advising that a school should be closed, individual children, who may cause the spread of infectious disease, are excluded, a certificate to that effect being given to the school teachers.

# SCHOOLS.

There are 23 Public Elementary Schools in the District. With the exception of those at Hesketh Bank and Bickerstaffe hey are all in a satisfactory condition, there being both ample air space and floor space in all the different rooms for the numbers of the children who attend. The school at Hesketh Bunk has become overcrowded of late, the number of scholars having increased to such an extent that I drew the attention of the Managers to the fact, who have taken it into consideration-Some of the classrooms in the school at Bickerstaffe are also overcrowded, and here again I drew the attention of the Managers to it, and they also have the matter under consideration. The sanitary conveniences of the Schools are on the whole in good order, much improvement having been effected of late years in that respect. All are provided with water from public service. A perusal of the foregoing part of the report will show the action taken regarding the prevention of the spread of infectious disease.

# PHYSICAL FEATURES AND GENERAL CHARACTER-ISTICS OF THE DISTRICT.

Although covering an area of 61,565 acres the physical features of the District do not vary very much. The Township of North Meols, which lies to the West, is flat and low, with sluggish natural drainage. The greater part of the several Townships of Altcar, Downholland, Halsall, Hesketh, Lydiate, Maghull, Scarisbrick, and Tarleton are also low and flat, but with slight undulations in places ; while Aughton, Bickerstaffe, Bispham, Melling, Rufford, and Simonswood are all more or less undulating. At no part however is the altitude over 300 feet above sea level.

The population very largely consists of farmers and people connected with the farming industry. Aughton Maghull, Scarisbrick, and Tarleton, have, in addition, a considerable number of residents, who are engaged in business in Liverpool, Preston, Southport, and other towns.

# WATER SUPPLY.

The District is, on the whole, well supplied with water of excellent quality. The Southport, Birkdale, and West Lancashire Joint Board have two wells in Aughton, another is being sunk in Bickerstaffe, and a fourth has been secured from the Urban District Council of Skelmersdale ; and from this Board's service nine townships are more or less supplied. Two receive their supply partially from the Ormskirk Urban District Council, two from the Preston Rural District Council, two from St. Helens Corporation, and one from the Lathom and Burscough Urban District Council. In four townships the mains are the property of the Council. A reference to the Table following will show the number of houses supplied from each source.

At the end of the year 3445 houses were supplied from public mains, being 107 more than in the previous year; and 80.4 per cent of the total number of Inhabited Houses in the District.

The negotiations with Sir Thomas Hesketh regarding the existing water supply to the village of Rufford, which had been proceeding during 1907, were brought to a successful conclusion, and an agreement to purchase the system was entered into, the decision to extend the mains to Holmeswood being at the same time confirmed by the Council. An application was made to the Local Government Board for powers to borrow £3240 for carrying out the scheme, and on May 26th, T. H. Tulloch, Esq., held an inquiry into the matter, the sanction of the Board being communicated to the Council at the meeting on August 20th. Tenders were got in, and the work commenced without delay, and by the end of the year the mains were laid ready for the houses along the route to connect.

As a result of the Special Report I presented to the Council on July 25th, 1907, on the Water Supply to Renacre-lane and Shirdley Hill, Halsall, a main has been laid to that district by the Southport, etc., Water Board, and all the houses reported upon have been connected with it.

Altogether the year has been very fruitful in the laying of new mains, as the following figures will show :—The Southport, Birkdale, and West Lancashire Joint Board have laid 363 yards in Maghull, 659 yards in North Meols, 3095 yards in Scaris\_ brick, and 3181 yards in Bickerstaffe. The Council have laid 9993 yards in Rufford, making in all over  $9\frac{3}{4}$  miles of mains laid in the District during the year. The Map bound up at the end of the Report shows the various water mains in the District, and the extensions made during the year.

1908.	Wigan Rural District Council.	Lathom and Burscough Main.	Liverpool Corporation,	Ormskirk Urban District Council.	Preston Rural District Council.	St. Helens - Corporation.	Skelmersdale Urban District Council.	Southport Joint Water Board.	TOTALS.	Increase during . the year.	Percentage of Inhabited Houses thus supplied.	
ALTCAR								48	48		53.3	
AUGHTON				62				672	734	7	93.6	I
BICKERSTAFFE				53		4	114	12	183	16	46.5	I
BISPHAM	2								2		3.8	
DOWNHOLLAND								124	124	2	87.3	
HALSALL								229	229	45	78.9	I
HESKETH					233			1	234	3	100.0	I
LYDIATE								139	139	-1	63.7	
MAGHULL						5		269	274	3	94.1	I
MELLING	s		1			204			205	3	94.9	I
NORTH MEOLS								366	366	14	91.9	
Rufford		82							82	6	49.1	I
SCARISBRICK								346	346	3	71.9	
SIMONSWOOD						40			40		63.4	
TARLETON					439				439	6	94.0	
TOTALS FOR DISTRICT	2	82	1	115	672	253	114	2206	3445	107	80.4	

HOUSES SUPPLIED BY PUBLIC SERVICE AT THE END OF 1908.

#### WATER ANALYSIS.

I have analysed 23 samples of well water, 10 samples of effluents from sewage works, and 13 samples from streams.

The samples from streams were about the average of what one would expect from such a source, and showed no evidence of any special pollution.

The samples of effluent were 8 from the Aughton Sewage Farm, of which 1 was not good, 2 were fair, and 5 were satisfactory.

The other two were from the area laid out for treating the sewage from the Chapel House Epileptic Homes, Maghull, 1 sample being bad, the second, taken some time after the area had been reconstructed, was satisfactory.

One of the samples of the well water was from Melling, and was fair in quality. The remaining 22 were from Scarisbrick, and a copy of the Special Report on the Water Supply of the locality from which they were taken follows :—

#### September 17, 1908

To the Chairman and Members of the West Lancashire Rural District Council.

#### GENTLEMEN,

In conjunction with the Sanitary Inspector I have examined into the water supply of that part of Scarisbrick, known as Narrow Moss, Moorfield-lane, and Barrison Green.

There are 30 houses with a population of about 150 people in this district, and all receive their water supply at present from wells.

Samples have been taken from 16 of these wells, and my analysis shows that 4 of these were so bad that they were probably polluted with animal refuse; 11 others contained so much organic matter and other impurities as to be unsafe as a supply for domestic purposes; and 1 only could be considered a fair sample. In colour 14 were of different shades of yellow, 1 was brown, and 1 had a milky appearance.

The conclusion that I have arrived at, is, that a public supply should, if possible, be procured for the inhabitants of this district.

# I am, Gentlemen,

Your obedient Servant, GEO. E. SCHOLEFIELD.

Six further samples from other wells were taken subsequently to the foregoing report, and confirmed the conclusion arrived at therein.

# SEWERING AND DRAINING.

AUGHTON.—There are now over 400 houses connected with the main sewer.

The sewage from the southern area is carried to outfall works in the south-west of the township. It is there received into four open tanks from which it flows on to land for treatment by downward filtration. The effluent is on the whole of a satisfactory nature, there having been very few occasions on which complaint could be made. The Local Government Board having pressed the question of using a chemical precipitant, I made numerous enquiries from other authorities as to the success or otherwise of those precipitants usually employed. A small sub-committee also visited two works, where lime and alumino-feric were employed respectively. As a result of the observations of that sub-committee it was decided that lime should be employed, and the Chief Surveyor is engaged on the work of preparing the necessary machinery for the addition of that substance to the sewage. The land on which the sewage is treated having to be sold on account of the death of the owner, the Committee decided that it would be advisable to purchase it, and accordingly this was done, after W. O. Meade King, Esq., had held an inquiry into the application for powers to borrow the requisite sum for the purpose, and the sanction

of the Local Government Board had been obtained as the result of that inquiry.

The sewage from the northern area is by agreement with the Ormskirk Urban District Council, discharged into the main sewer of that town, and carried to its outfall works in Scarisbrick.

BICKERSTAFFE.—A small area of this township, which is in close proximity to Ormskirk, is, by agreement with the Urban District Council, connected with the sewer of that town.

SCARISBRICK.—The Urban District Council of Ormskirk has again been approached respecting the admission of the sewage from the houses in Grimshaw-lane into the sewer which passes along that lane from Ormskirk to the outfall works in Scarisbrick, but I am sorry to state that the Urban Council would not re-open the question.

#### CESSPOOL SYSTEM.

In the greater part of the District, this system with its attendant disadvantages, is the only available means of dealing with the sewage. In the more sparsely populated parts of the District, where there is sufficient land to use up the cesspool contents, it is possible to prevent nuisance arising ; but where, as is often the case, people are careless, and in thickly populated areas, where the ground is insufficient, cesspools readily become a nuisance, and a source of danger to health.

### HOUSE DRAINS.

Throughout the District generally these are fairly satisfactory. Inspections are constantly being made, and defects remedied; the report of the Inspector, which follows, showing the work done in that department.

#### DISPOSAL OF EXCREMENT.

In Aughton, where there is a system of sewering, excrement is disposed of largely by means of water carriage, also many of the larger houses in the district generally have water carriage from the house; but with the exception of a few houses in Tarleton, which are in close proximity to a tidal river, the connection is with a cesspool. The remainder, or almost the whole of them, are provided with privies, there being very few earth closets with removable receptacles. The plan on which the privy ashpit is built was approved by the Local Government Board some years ago, and if properly built, according to the plan, it is as easy to keep in good order as a receptacle of that nature can be. There are still some of the old-fashioned, large, open privy ashpits in the district, but these are being done away with as rapidly as possible. We also at times come across privies without ashpit or proper receptacle for the excrement, but these also are getting fewer every year.

### SCAVENGING.

AUGHTON.—In the greater part of this townhip this work is done by contract, the result being very satisfactory.

In the remainder of the townships it is done by the householders.

As reported last year the Council, after being petitioned by the Parish Council of North Meols, allowed the question of scavenging in that township to stand over, and for a time the state of the premises in the more congested parts of the township were kept in a much improved condition. During the past year, however, it began to be evident that matters were becoming worse, and after making a house to house inspection again, I advised the Council that, in my opinion, public scavenging was very necessary. Accordingly, the necessary steps were taken to make the cost a special expense on the contributory place of North Meols, and advertisements were put in the papers asking for tenders for the carrying out of the work.

# HOUSE ACCOMMODATION.

This is on the whole good throughout the District. In parts, however, we have still old-fashioned thatched cottages with low roofs and unsatisfactory ventilation, also a few old and badly-built houses of other types. These are observed and noted from time to time, occasion being taken to have them done away with whenever possible. A difficulty, however, which frequently arises, is that there are few unoccupied cottages in the district, and therefore some time usually elapses before the tenants of condemned houses can find other dwellings.

## HOUSING OF THE WORKING CLASSES ACT, 1890.

The house mentioned in my last report as having been condemned as unfit for human habitation under this Act has been put into a satisfactory state of repair.

During the past year, under this Act, I represented to the Council that one dwelling in Scarisbrick, one in Lydiate, and ten in Banks were in such a condition as to be unfit for human habitation. The usual notices were served, and at the end of the year the house in Scarisbrick had been made satisfactory, two houses in Banks had been pulled down and replaced by new ones, five others had been repaired satisfactorily, one repaired but not in a satisfactory manner, and the remaining two were still occupied, as the tenants had been unable to procure other dwellings. The house in Lydiate had been vacated.

# LEGAL PROCEEDINGS.

It has not been necessary to take any Legal Proceedings during the year.

#### LODGING HOUSES.

These premises have been regularly visited, and have been found in a satisfactory condition.

#### SLAUGHTER HOUSES.

These premises have been regularly visited, and found in a satisfactory condition. Surprise visits have been paid to those premises where occasionally animals are slaughtered suppositionally for dogs' meat, but nothing of a suspicious nature discovered.

# DAIRIES, COWSHEDS, AND MILKSHOPS ORDERS, 1885 AND 1886.

There are 37 Registered Dairies and Cowsheds in the District, an increase of two over the previous year. All of them are supplied with water from public service, and when visited have been found in a satisfactory condition.

### SALE OF FOODS AND DRUGS ACT.

This Act is administered by the County Police, and I am indebted to Superintendent Hodgson, of Ormskirk, and to Superintendent Whittaker, of Chorley, for the following information :—In that part of the district lying within the West Derby Hundred seven samples were taken, no prosecutions following. In that part of the District lying within the Leyland Hundred four samples of milk and two of butter were taken, no prosecutions following.

#### FACTORY AND WORKSHOPS ACT, 1901.

The number of Workshops and Workplaces on the register is 142, an increase of eight over the previous year. During the year there have been nine registered, and one has been closed. One hundred and ninety-two visits were paid, and 34 defects of various kinds were found. In eleven of these cases it was necessary to serve notices ; in the others verbal instructions were sufficient. Two cases of scarlet fever occurred in two different workshops occupied by dressmakers. In one case the place was not registered, the proprietor having recently commenced business. Two young persons were employed, and one of them had the disease. She was promptly removed to hospital, the house and the workroom were disinfected, and no further case occurred. The second case was a child, the niece o the proprietor. The same precautions were taken as in the former case with the same result. Two cases were discovered in which young persons were employed, and no "Abstract of the Act" posted up. These were duly reported to the Factory Inspector.

On page 32 will be found the Home Office Table which summarises the work done during the year.

# SYSTEMATIC VISITING.

This has been carried out during the year, in various instances house to house visitations having been made by the Medical Officer of Health, accompanied by the Sanitary Inspector.

# NUISANCES.

A full report by the Inspector is included along with this Report, and the particulars as to Nuisances, and other matters, dealt with by him, will be found therein.

### NOTIFICATION OF BIRTHS ACT.

At the meeting of the Council held on March 5th, I presented a summary of this Act to the members, and advised that an application should be made to the Local Government Board for its adoption, and suggested that very advantageous work might be done by supplying printed instructions as to the care of young children and other matters to the parents on the birth of a child. Also, that where necessary, I myself, as Medical Officer of Health, could give verbal instructions, etc. This view was endorsed by the County Medical Officer of Health.

The Local Government Board, however, refused the application unless proper provision were made for having the needful cases supervised by a Lady Visitor. As our District would not supply sufficient work for an official of this nature, and it was not possible to combine with any neighbouring authority, it was considered inadvisable to proceed further with the matter

# BUILDING OPERATIONS.

By-laws in connection with this important work are in force throughout the District, and all plans must be sent to Mr. R. S. Jemson, the Chief Surveyor, who reports on them to the various meetings, and examines the buildings from time to time during the course of erection.

I am indebted to Mr. Jemson for the following list of plans which were approved of during the year in the various Townships :—

AUGHTON.			
New Houses			4
Other New Buildings			7
Additions and Outbuildings			2
Drains			3
			-
Total			16
BICKERSTAFFE			
Addition and Outbuildings			1
	• • •		
BANKS.			
New Houses			3
Additions and Outbuildings			1
			-
Total	• •		4
Deserves			
BISPHAM.			
Additions and Outbuildings		• •	1
Demmer			
DOWNHOLLANI	).		
New Houses	• •	• •	4
IT.co.re			
HALSALL.			
New Houses	• •	• •	14
Other New Buildings	•• \	• •	1
Additions and Outbuildings	• •	• • •	3
Total			19
rotar	• •		10

# HESKETH.

.

New Houses		7
Additions and Outbuildings		2
Total		9
MAGHULL.		
New Houses		3
Other New Buildings		1
Additions and Outbuildings		3
Total		7
		-
Rufford.		
Other New Buildings		2
SCARISBRICK.		
New Houses		10
Other New Buildings		3
Additions and Outbuildings		2
Total		15
		-
TARLETON.		
New Houses		11
Additions and Outbuildings		5
Total		$\frac{-}{16}$
100ut		-
TOTAL PLANS FOR THE WHOLE OF THE	DISTR	ICT.
New Houses		56
Other New Buildings		14
Additions and Outbuildings		20
Drains		• 3
Total		93

Appended are :--

- (1) The Home Office Table relating to Workshops, etc.
- (2) Table C of the County Council.
- (3) Tables I., II., III., IV., V., of the Local Government Board.
- (4) Inspector Peach's Annual Report.
- (5) The Annual Report on Canal Boats.
- (6) Copy of Rules and Regulations to be observed in the Management of Infectious Diseases.
- (7) Copy of Special Notice respecting Scarlet Fever.
- (8) Copy of Notice respecting Fish Refuse.
- (9) A Map showing the Water Mains laid in the District.

I have the honour to be, Gentlemen,

Your obedient Servant,

GEORGE EDWARD SCHOLEFIELD,

M.D., Edin., D.P.H., Vict.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR 1908 FOR THE RURAL DISTRICT OF WEST LANCASHIRE.

FACTORIES, WORKSHOPS, LAUNDRIES, WORK-PLACES, AND HOMEWORK.

1.-INSPECTION.

Workshops	••	 	 	 192
Notices Writte	en	 	 	 11

.

# 2.—Defects Found.

	2Def	ECTS FO	UND.			
NUISANCES UNDER	THE PUB	LIC HEAD	лтн Ас	TS :		
			F	ound.	Re	medied.
Want of Cleanline	ess			24		24
Want of Ventilati	ion			8		8
Other Nuisances				1		1
* Sanitary accom or defectiv			ble	1		1
or derectiv	е		•••	_		_
Total				34		34
* Section 22 of the	Public He	ealth Ame	ndment	Act not	adopt	ed.
	3.—Отн	ER MATI	ERS.			
Matters notified to	H.M. Ins	pector of	Facto	ries :-	_	
Failure to affix A	Abstract	of the F	actory	and V	Vork	-
shop Act	Contraction of the second s				in carrier	0
Action taken in						
as remedia but not u						e
Act (s. 5) :					1	
	by H.M.					
	(of actio					1
specto	, · · ·	••	* ••	••		
Workshops on Register (s. 131) at the end of the year :						
Dressmakers .						. 8
Shoemakers and (	Cloggers					. 18
Sadlers						4
Tailors						. 6
Tinsmith		1				. 1
Joiners						. 3
Basketmakers .						. 12
Bakehouses .						. 8
Boatbuilders .						. 2
Wheelwrights .						. 25
Blacksmith (smith	nies, 28;	hovels, 2	27)		• • •	55
Total number of	fworlish	ons on P	oristor			142
Total number o	a workshi	sps on K	egister			. 142

Table C.

COUNTY OF LANCASTER.

SUMMARY OF MEDICAL OFFICER'S REPORT FOR 1908.

RURAL SANITARY DISTRICT OF WEST LANCASHIRE.

Area in Statute Acres—61,565. Population (Census) 1901, 19,689. Population (Estimated) 1908, 21,040.

> Name of the Medical Officer of Health— GEORGE EDWARD SCHOLEFIELD, M.D., D.P.H., Salary—£450.

Births Registered	Male	Total, 500.
Deaths Registered	Male170 Female120	Total, 290.

Number of Illegitimate Births registered-7.

Deaths of Illegitimates under one year of age-1.

Birth-rate—23.76. Death-rate—13.78. Rate of Infant Deaths, under one year, to 1,000 Births—98.

Death-rate from the seven principal epidemic Diseases per 1,000 of population-.76.

Diseases prevalent ?- Whooping Cough and Scarlet Fever.

Period ?- January to July.

What action taken ?—See Report. Any Schools closed ?— Yes. If so, for what disease ?—Scarlet Fever, Whooping Cough.

What is the character of the Hospital Accommodation ?—See Report, pages 10 and 15.

Is it Joint or otherwise ?---No, but Croston can send cases by agreement.

- Number of beds available for your District ?—For Smallpox, 8. For other infectious diseases, 20.
- Number of cases removed from your District ?—Enteric Fever, 3. Diphtheria, 1. Scarlet Fever, 63. Total, 67.
- Deaths in Hospital of patients from your District ?-From what causes ?-Scarlet Fever, 3.
- How is Disinfection carried out ? Houses, Formalin. Apparatus used, spray. Clothing, bedding, etc., "Thresh" Disinfector. Where situated, Isolation Hospital.
- Number of cases of Infectious Disease reported under the Notification Act ?—111.
- Are any Diseases not specifically mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, etc.)? If so, what are they ?—No.
- Has any arrangement been made for the "voluntary" notification of Phthisis ?--No.
- Is Diphtheritic Anti-Toxin supplied to Medical Practitioners free of charge ?--No.
- Action taken under the "Housing of the Working Classes Acts" —No. of houses condemned ?—12. Closed ?—1. Demolished—2. Made habitable ?—7.
- From where is the Water Supply obtained ? What is its condition ? Is it subject to your inspection ?—See report, page 20. Good on the whole. Not open to inspection as a right, but allowed by courtesy.
- Is Scavenging carried out satisfactorily ?---No, except in one Township, Aughton.
- How performed :--By Sanitary Authority, Contract, or Occupiers of Houses ?--By householders, except in Aughton, where it is by contract.
- How is the refuse disposed of ?-Taken by the neighbouring farmers.
- Has a Destructor been provided ?-No.
- What is the character of Drainage and the form of sewage disposal ?—Cesspool system, except in Aughton, and part of Bickerstaffe.
- Canal Boats :--Number inspected ?--51. Number of infringements of Acts ?--None.

What is the condition of Bakehouses ?-Satisfactory.

Slaughter-houses ?-Satisfactory when visited.

Has a Public Abattoir been provided ?-No.

Lodging Houses ?-Satisfactory when visited.

Are they Registered ?-Yes.

- What is the sanitary condition of the Schools ?--Good on the whole. See report, page 19.
- Dairies, Cowsheds, and Milkshops—Are they periodically inspected ?—Yes.

What is their condition ?-Satisfactory on the whole.

Food unfit for human consumption : amount seized ?- None.

Department of Inspector of Nuisances—No. of Notices served ? 162. Nuisances remedied ?—338. No. of Legal Proceedings taken and result ?—None.

Closet accommodation of the District-No. of Privy Middens ?

Smoke-No. of Observations ?-None.

- Has the Authority adopted—" The Infectious Disease (Prevention) Act, 1890 ?—Yes. "The Public Health Acts Amendment Act, 1890" ?—Yes. "The Public Health Acts Amendment Act, 1907" ?—Waiting reply of L.G.B.
  "The Notification of Births Act, 1907"—Application made to L.G.B., but refused.
- Notable sanitary improvements during 1908—Water supply to Holmeswood, Rufford. Water supply to Renacre-lane and Shirdley Hill, Halsall.
- Chief Sanitary requirements of District—Water supply to a portion of Scarisbrick. System of scavenging for the more congested portions of Banks.

west Lancasnire Kurai District. I ABLE 1.

Vital Statistics of whole District during 1908 and previous years.

IS AT ALL 3. NETT.	Rate.*	13	15.39	15.44	14-90	14.56	14.39	12-99	13.10	11.99	13-69	12.57		13.90	13.78	
DEATHS AGES.	Number.	12	301	306	297	289	292	262	268	243	283	263		280	290	
Deaths of	regis- tered beyond District.	11	12	16	19	11	16	19	11	17	21	21		16	15	
Deaths of Non-	residents regis- tered in District.	10	6	13	8	12	1	15	13	10	17	6		a III	15	
TOTAL DEATHS	PUBLIC INSTI- TUTIONS	6	6	13	11	14	6	16	15	12	20	13		13	18	
DEATHS AT ALL AGES. TOTAL.	Rate.*	8	14.72	15-29	14.35	14.61	14-00	12.78	13.20	11.65	13.50	12.00		13.61	13.78	
DEATH AGES.	Number.	7	298	303	286	290	284	258	270	239	279	251		275	290	
DEATHS UNDER ONE YEAR OF AGE.	r 1000 Births registered.	9	134	143	124	111	133	16	111	103	93	84		113	98	
DEATH ONE YE	Number	5	69	73	99	59	29	46	54	112	46	36		56	49	4
BIRTHS.	Rate.*	4	23.33	28.69	26.55	26.65	24.70	23.36	22.30	24.04	23.96	20.46		24.40	23.76	
BII	Number.	3	515	509	529	528	201	471	486	493	495	428		495	500	- 0 -
Population estimated to	Middle of each Year.	2	19,556	19,813	19,924	19,846	20,279	20,163	20,445	20,506	20,657	20,910		20,209	21,040	
YEAR.		1	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Averages	tor years 1898—1907.	1908.	

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

on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums. A list of the Institutions in respect of the deaths The "Public Institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received in which corrections have been made should be given on the back of this table.

Area of District in acres (exclusive of area covered by water), 61,565.

At Census of 1901-Total population at all ages, 19,689. Number of inhabited houses, 3,912. Average No. of persons per house, 5'03. Nore.-Formby and Ainsdale having ceased to be in the District, the vital statistics are not included in the above figures.

III. Other Institutions, the deaths in which have been distri- buted among the several localities in the District.	Royal Infirmary, Liverpool.	Stanley Hospital, Liverpool.	Royal Southern Hospital, Liverpool.		
II. Institutions outside the District receiving sick and infirm persons from the District.	The Ormskirk Union Work- house, Ormskirk.				
I. Institutions within the District receiving-sick and infirm per- sons from outside the District.	Aughton Isolation Hospital	Southport Fever Hospital, situate in North Meols.	The Epileptic Home, Maghull.	Liverpool Union Convalescent Home, Maghull.	

West Lancashire Rural District. TABLE 2.

	Whole	District	ct.			1. Alto	Altcar.		5		Aughton.		*	Bicke	Bickerstaffe.	
YEAR.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under I Year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under I Year.	Рориівтіоп евтітвтед to middle of евсh Year.	Births registered.	Deaths at all Ages.	Deaths under 1 Year.	Population estimated to middle of each year.	Births registered.	Deuths at all Ages	Desths under
	a	9	0	d	a	9	c	4	a	9	0	d	a	9	0	d
1898	19,556	515	301	69	541	10	2	:	3541	105	52	6	2084	60	41	6
1899	19,813	509	306	73	535	11	5	:	3576	86	65	14	2061	10	26	4
1900	19,924	529	297	99	532	15	11	4	3596	81	49	13	2092	64	36	11
1901	19,846	528	289	59	545	9	1	::	3571	88	61	œ	2090	67	32	4
1902	20,279	501	292	67	539	17	9	cı	3686	83	50	11	2097	67	40	6
1903	20,163	471	262	46	534	9	4	1	3636	94	34	4	2075	56	21	3
1904	20,445	486	268	54	526	10	11	1	3681	84	42	2	2108	51	30	8
1905	20,506	493	243	51	526	13	9	1	3714	16	46	12	2105	42	28	3
1906	20,657	495	283	46	526	80	1	1	3728	73	47	6	2132	58	27	2
1907	20,910	428	263	36	530	12	4	1	3806	69	37	9	2136	51	27	4
Averages of Years 1898 to 1907.	20,209	495	280	56	533	10.8	9	1	3653	83	48	6	2098	58	30	9
1908	21,040	500	290	49	522	80	5	1	3826	17	52	7	2144	56	37	6

TABLE 2. West Lancashire Rural District.

West Lancashire Rural District. TABLE 2.

	Deaths under	q	6	6	. 9	2	5	æ	4	8	1	2	9	2
Meois	Deuths at Bll Ages	c	32	24	23	25	21	31	13	22	19	18	22	22
North	Births registered.	9	55	58	62	60	55	48,	57	65	51	37	54	54
::	Population estimated to middle of each year.	a	1777	1801	1822	1841	1858	1905	1907	1893	1161	1902	1861	1900
	Deaths under 1 Year.	d	4	9	:	4	5	3	4	4	4	4	3	1
Welling.	Deaths at all Ages.	c	14	12	9	19	18	15	15	6	19	12	14	17
10. Me	Births registered.	9	23	18-	30	22	19	27	38	31	29	26	25	30
-	Population estimated to middle of each Year	a	854	905	904	938	932	941	965	986	166	166	941	1008
	Deaths under I Year.	d	9	5	10	1	4	+	8	1	ŝ	1	5	1
ghull.	Deaths at all Ages.	C	28	19	33	19	17	23	29	17	23	17	22	14
9. Magh	births registered.	9	41	33	32	36	37	24	33	32	24	31	32	26
5	Population estimated to middle of each Year.	a	1564	1525	1501	1514	1537	1537	1540	1542	1590	1630	1548	1656
	Deaths under I Year.	d	-	1	4	4	5	5	1	õ	3	:	3•8	1
	Deaths at all Ages.	c	17	21	21	20	22	21	10	16	17	21	18	14
Lydiate.	Births registered.	9	27	28	25	25	29	36	18	22	32	16	25	31
8. Ly	Population estimated to middle of each Year.	a	1076	1044	1061	1033	1061	1042	1044	1042	1046	1056	1050	1054
	Y EAR.		1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	Averages of Years 1898 to 1907.	8061

TABLE 2. West Lancashire Rural District.

1	1 .	1 1												1
	Deaths under	q	1	ũ	3	4	9	9	9	4	7	ũ	OI.	9
Tarleton.	Destins at all Ages.	c	26	31	27	24	29	35	26	23	27	31	27	29
15. Tar	Births	9	44	50	54	47	48	48	54	56	58	41	50	53
1	Population estimated to middle of each year.	a	1803	1844	1851	1810	1965	1879	1933	1927	1943	2020	1897	2058 -
-	Deaths under I Year.	d	1	1	:	67	:	1	1	:	:	:	9.	5
Swood	Deaths at all Ages.	c	3	9	1	8	4	67	4	1	5	3	3.7	9
Simonswood	Births registered.	9	5	10	8	12	5	80	9	œ	ũ	9	7	8
14.	Population estimated to middle of each Year.	a	383	374	360	360	363	358	360	360	360	358	363	356
×	Deaths under I Year.	d	9	9	3	5	5	3	9	4	3	2	4	3
risbrick.	Deaths at all Ages.	c	28	33	20	22	30	21	34	26	27	31	27	29
Scarisb	- Hein	9	47	39	58	42	46	42	42	46	43	48	45	48
13.	Population estimated to middle of each Year.	a	2185	2203	2203	2156	2216	2152	2216	2240	2275	2275	2212	2282
	Deaths under I Year.	d	4	5	61	67	4	61	:	:	2	:	53	3
.	Deaths at all Ages.	c .	15	17	16	13	10	6	11	13	15	9	12	11
Rufford	Births registered.	9	20	15	18	25	13	15	13	6	18	13	16	14
12. R	Population estimated to middle of each Year.	a	788	788	783	780	780	780	111	775	751	758	775	022
	Y EAR.		1898	1899	1900	1901	1902	1903	1904	1905	1906	7001	Averages of Years 1898 to 1907.	1908

# West Lancashire Rural District. TABLE 2.

Hor	r Hous	Manor House Epileptic Home, Maghull.	eptic		Southport   Hospital.			18. Liver lescent	Liverpool Union scent Home, Ma		on Conva Maghull.				
Births	registered.	Deaths at Ball Ages.	Deaths under l Year.	Population estimated to middle of each Year.	Birtha registered.	Deaths at all Ages.	Deaths under I Year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under l Year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
	9	c	d	a	9	c	d	a	9	c	d	a	9	c	d
	:	:	:	::		5	:	:	:	:	:	:	:	:	:
	:	4	:	:	:	6	:	:: ,	:	:	:	:	:	:	:
	:	ŝ		:	:	4	:	::	:	1	:	:	:	:	:
	:	1	:	:	:	10	:	:		1	:		:	:	
	:	1	:		:	4			:	1	:	:	:	:	:
	:	5	:	:	:	6		:	:	1	:	:	:	:	
-	:	4	:	:	:	6	:		:	:	:	:	:	:	:
-		3			:	5		:	:	c1	:	:	:	:	:
		5	::	:	:	11			:	1	:	:		:	:
And in case of the local division of the loc	:	5	:	:	:	4	• :	:	:	:	:	:	:	:	:
	· · · · ·	3	:		:	7	:	:	:	Ŀ	:	:	1	:	:
	:	3			:	10			:	2	:	:	:	:	:

#### NOTES.

- (a) The separate localities ad opted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes, or [groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district : and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population this table need not be filled up.
- (b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns c of this table, and those of non-residents registered in public institutions
  in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")
- (c) Deaths of residents occurring in public institutions whether within or without the district, are to be allotted to the respective localities, according to the addresses of the deceased.
- (d) Care should be taken that the gross totals of the several columns in this table respectively equal the corresponding totals for the whole district in Tables I. and IV.: thus, the totals of sub-columns a, b, and c should agree with the figures for the year in the columns 2, 3, and 12, respectively, of Table I.: the gross total of the sub-columns c should agree with the total of column 2 in Table IV., and the gross total of sub-columns d with the total of column 3 in Table IV.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE VEAR 1908. TABLE III. West Lancashire Rural District.

1	-		- 18 <sup>- 200</sup> 18 <sup>-</sup> 14	14 FC	12 20		<b>F.</b> 19		322	-	70. 5	6 10 .G	
			100 - 100 - 10 - 10	- 22 - 52				-	-	-	10.4	anna z	
	1		8 2 8 2 2 1	- <u>0</u>	199 AV		12 17	4 (r	11	- 10	100.0		
	TX.	15	Tarleton.	:		: :	¢1	11	:		7	43	45
	LOCALITY.	14	Simonswood.	10 122	11	80	:		1	::		11	:
		13	Scarisbrick.	:	: :	: :	67		:	1.	:"	36	48
	EACE	12	Rufford.	:	: :	: 67	:	::	:	: 64	:	::	4
THE	NI	=	North Meole.	1	: :			::		::	:	11	F
	UIIA	10	Melling.	1	1 1		4	1	:	÷ ,	•••		18
5	North	6	Maghull.	:	: :	:-	63	::	:	: :	11	- :	4
DUNINU	CASES NOTIFIED IN EACH	œ	Lydiste.	:	: :	: 67	20	::	:	::	:	49	11
Pa		-	Hesketh.	:	: :	-	:	::1	:	: :	:	11	12
	TOTAL	9	.IlaslaH	:	11	1	Far	::	:	: :	1	11	7
AL	Ĩ	10	.busilodawou	:	: :	7.0	57	17	:	: :	:	. 4	8
NOTIFIED		*	Bispham.	1	: :	: :		: i	:	: :	:		2
N		~	Bickerstaffe	:	: :	: :	10	::	:	: :	:	.6	19
1		63	(H) notdynk	:	: :	- 01	19		:	:-	:-	31	56
DEADE		1	Altear.	:	: :	: :	4		:	: :	:	:-	9
TOF			65 and sbræwqu	:	:	:07		::	:	: :	:	:-	3
		ż	.65 to 65.	:	:	: 20	63	: 1-	:	: **	:	::	17
nor	UFTED.	-+Yea	12 to 52.	:	:		2	: 9	÷	: :	:"		14
5	CASES NOTIFIED.	At Ages-+Years.	5 to 15.	:	: 1	23	54	 9	1	: :	: •	159	223
JUIT	CASI	At	1 to 5.	:	: '		10	: 4	:	::	:	87	103
-ID			Under I.	:	:	: :	67	::	:	: :	:	.6	11
0			At all Ages.	:	•	4 6	73	22	:	: ••	: •	257	371
CASES OF INFECTIOUS			NOTIFIABLE DISEASE.	Small-pox	Diphtheria (including	Membranous croup) Ervsipelas	Scarlet fever	Typhus fever Enteric fever	Relapsing fever	Continued fever	Plague	*Measles (voluntary) Whooping Cough "	Totals

1

ict.	THE YEAR 1908.	Nores.—The localities adopted for this Table should be the same as those in Tables II. and IV.	St	R H H (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what dis- trict.	* This space may be used for record of other disease the notification (compulsory or	voluntary) of force in the of		+ These age cations sl	officer of Health, b			Isolation Ho		Council. Total availab	be conveniently treated, 3.
stri		рэло	Remo Istic	Total Cases	: :		-		: "	• :	:	:	: :	:	67
Rural District.	DURING	ry.								-					
		DALIT	15	Tarleton.	: :	:	:	: :	:	: :	:	:	: :	:	:
Lancashire	NOTIFIED	No, OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.	14	.boowanomi2	: :	:	:	: :	:	: :	:	:	: :	:	:
shi	LIF	EACI	13	Scarisbrick.	: :	:	:	:01	:-	• :	:	:	: :	:	60
ca	NO	ROM	12	Rufford.	: :	:	:	: :	:	: :	:	:	: :	:	:
an		ALF	11	North Meols.	: :	:	:	::	:	: :	:	:	:		1 :
	DISEASE	TI4SO	10	Melling.	: :	:	:		:	: :	:	:	:		4
West	ISE	H o	6	.IIndgeM	: :	:	:	:01	:	: :	:	:	:		101
5	ā	ED 1	00	Lydiate.	: :	: :	:	20	:	: :		:	:		20
÷	ns	EMOV	2	Heaketh.	:	:	:	: :	:-	• :	:	:	:		-
TABLE III.	INFECTIOUS	Es R.	9	.IlselsH	:		:	. 4	:	: :	:	:	_	: :	4
Ä	EC	CASI	5	.basilodawoU			-	:01	:		:	:	:		3
AE	NF	. 07	4	.manqaid	<u> </u> :		-		:		:	:	-		1
F		No	c0'	Bickerstaffe			:	:6	:		:	:	:		6 0
	OF		63	(H) aotázuk			:	2 18	: .	: :	:	:			2 19
	ES	-	-	Altesr.		: :	()	:01	:	: :	:	:	**	: :	
	CASES			NOTIFIABLE DISEASE.	Small-pox	Diphtheria (including	Membranous croup)	Erysipelas Scarlet fever	Typhus fever	Enteric lever Relapsing fever	Continued fever	Puerperal fever	*Manalas (voluntany)	Whooping Cough ,,	Totals

UAC			Ur,			AGES	A	цт,	D	EA	444		101	BIL	G	X	EA	R	19	08	•			
	DEA	ATHS IN		E DISTI AGES.		SUBJOINED						DEAT	HS IN	Loc	ALITI	ES (A.	r all	AGI	s).					
Causes of Death.	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65. 65 and upwards	Altear.	Aughton.	Bickerstaffe.	Bispham.	Downholland.	Halsall.	Hesketh.	Lydiate.	Maghull.	Melling.	North Meols.	Rafford.	Scarisbrick.	Simonswood.	Tarleton.			
mall-pox Ieasles carlet fever Vhooping-cough iphtheria and membranous	37	···· ··· 3	  3		···· ··· ···	··· ···							····	 1 2		···· ··· ···	···· ···	···· ····	     1	···· ····	  1	···· ····		
croup roup Typhus ever {Enteric	1  2		···· ···	1	  1	···· ··· ··· ···							1						···· ···· 2					
Other continued pidemic influenza nolera ague	10 	 1 	· 	1  	··· ··· ···	1 1 		2	··· 3 ···		1 			2			1 				 1 			
arrhœa. (See notes at back) teritis. (See notes at back) erperal fever ysipelas	3 5 2 	2 1 	1 1 	···· ···		1 2 2	···· ···	1 1 1		···· ··· ···	···· ··· ···	1 1 			1	···· ····	2	 1	"i					
her septic diseases tthisis (See notes at back) her tubercular diseases ncer, malignant disease	17 6 14		 3 	 2 	5  1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	···· ···	 4 • 2 1	$\begin{array}{c} \ddots \\ 3 \\ 1 \\ 1 \end{array}$	···· ···	  1	 2 	 1 1	  1	 1	  1	 1  2	  2	 4 1	 1 	 ]  3			
eumonia urisy ner diseases of Respira-	25 9 1	8 1 	1	···· ···	1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2 4 	5  1	···· ···	1 1 	1  	2	2	1 1 	 1 	2	1 	2 2	2	4		···· ···	
ory organs oholism rhosis of liver }	3 4	1				2 2 2 		3 1													2			
mature birth eases and accidents of arturition art diseases	9 2 40	9  1			1	1 17 22	l  1	  5	3  5			2 4	2	1		6			1	1	1			
idents cides rder	14 2  24		1  1	2		-8 3 2 12 10	i   1	 2  5	1 2	  1	1	1	1	1	3	2					5 3 	···· ···		
age	31 56	22	4	3	2	31 16 9	1	77	2 10	2	4	2 5	1 4 5	2 1	2 1 1	1 2 2	3 2 7	 4 2	2 1 6	 1	2 3 3			
All causes 29 See notes at ba		49	15	14	11 1	89 112	5	52	37	4	11	21	18	14	14	17	22	11	29	6	29	-		1

# TABLE IV. West Lancashire Rural District.CAUSES OF, AND AGES AT, DEATH DURING YEAR 1908.

- (a) In Table IV., all deaths of "Residents" occurring in public institutions, whether within or without the district, are to be included with the other deaths in the columns for the several age groups (columns 2-8). They are also, in columns 9-15, to be included among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-Residents" occurring in public institutions in the district are in like manner to be excluded from columns 2-8 and 9-15 of Table IV.
- (b) See notes on Table I. as to the meaning of "Residents" and "Non-Residents," and as to the "Public Institutions" to be taken into account for the purposes of these Tables. The "Localities" in Table IV, should be the same as those in Tables II. and III.
- (c) All deaths occurring in public institutions situated within the district, whether of "Residents" or of "Non-Residents," are, in addition to being dealt with as in note (a), to be entered in the last column of Table IV. The total number in this column should equal the figures for the year in column 9, Table 1.
- (d) The total deaths in the several "Localities" in columns 9-15 of Table IV., should equal those for the year in the same localities in Table II, sub-columns c. The total deaths at all ages in column 2 of Table IV., should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.
- (e) Under the heading of "Diarrhea" are to be included deaths registered as due to Epidemic diarrhea, Epidemic enteritis, Infective enteritis, Zymotic enteritis, Summer diarrhea, Dysentery and Dysenteric diarrhea, Choleraic diarrhea, Cholera and Cholera nostras.
- Deaths from diarrhea secondary to some other well-defined disease, should be included under the latter.
- Deaths from Enteritis, Muco-Enteritis, Gastro-Enteritis, and Gastritis (see under the heading Diarrhocal Diseases in Table V.) in Tables IV. and V. should be placed immediately below, but separately from, those enumerated under the heading Diarrhoca as defined by enumeration above. This is particularly important, for deaths under one year of age, as many of the deaths in infancy returned as due to Enteritis are really caused by Epidemic Diarrhoca. In the course of years, by the adoption of this recommendation, it will be practicable to ascertain the probable amount of transfer between these different headings.
- (f) Under the headings of "Cancer," and "Puerperal fever" should be included all registered deaths from causes comprised within these general terms. Thus: Under "Cancer" should be included deaths from Cancer, Carcinoma, Malignant disease, Scirrhus, Epithelioma, Sarcoma, Villous tumour, and Papilloma of bladder, Rodent ulcer. Under "Puerperal Fever" are to be included deaths from Pyzemia, Septicæmia, Sapræmia, Pelvic peritonitis, Peri- and Endo-Metritis occurring in the Puerperium.
- (g) Under "Congenital Defects" in Table V. are to be included deaths from Atelectasis, Icterus neonatorum, Naval hæmorrhage, Malformations and Congenital hydrocephalus.
- (h) Under "Tuberculous Meningitis" are to be included deaths from Acute hydrocephalus.
- (i) Under "Other Tuberculous Diseases" are to be included deaths from Tuberculosis, Tuberculosis of bones, joints and other organs, Lupus and Scrofula.
- (j) All deaths certified by registered Medical Practitioners and all Inquest cases are to be classed as "Certified "; all other deaths are to be regarded as "Uncertified."

In recording the facts under the various headings of Tables I., II., III. IV. and V., attention has been given to the notes on the Tables.

GEO. E. SCHOLEFIELD, M.D., D.P.H., Medical Officer of Health.

March 4th, 1909.

ν.	Total Death under One Year.	48 1	ro 61	- 66 :	1 10	∞ ~ ~ ∞	49	040. 48; , 1.
1908. Notes at back of Table IV.	.adinom 21-11	: -	::	••••	: : :		1	· 02
T lo M	.admon 11-01	4	- :	::::	: : :	::	4	ddle of 1908)—21,( legitimate infants, 4 illegitimate infants,
at bac	9-10 months.	: 1	- :	::::	: ::	: : : : : :	-	of 19 mate itima
1908. Notes	.adtnom e-8	. 1	::		: : :		1	ddle legiti illeg
0	7-8 months.		::	::::	: ::	: : : - : :	1	to middle of ear—legitim illegiti
YEAR Age. 80	.edtnom 70	::	::	::::	: ::		:	
щo	sutnom 8-d	. 1	::	::::	: : :	::-::	1	estimated is in the y
-	4-5 months.	4	::		: - :		4	beath Death
DURING under One	3—4 months.		::	::::	- ::	:::	3	Population Deat
DUR	2-3 months.	4	- :		: 61 :		4	Pc
00	.sutnom 2-1	4 1	:-		: - :		5	7.
ORTALITY ks and Month	Total under I month.	24	:-1	:		:01 :0	24	imate,
TOR' a	3—4 теекs.	3		: :- :	: : : :	:- : : :	3	illegit 290.
E Meel	2—3 weeks.		::	::-::	: 1 :		2	93; ;es;
Causes in	1—2 weeks.	4	::	::::	; - :	<sup>5</sup> : <sup>1</sup> : <sup>1</sup> : <sup>1</sup>	4	ate, 4 ill Ag
INFANTILE ated Causes in	Under 1 week.	15	: :		. 4 :	: :- : : :	15	nire. gitim
INF Deaths from stated	CAUSE OF DEATH.	All Causes { Certified	Whooping Cough Diarrhea, all forms	Premature Birth Congenital Defects Injury at Birth	Atophy, Debility, Marasmus	Meningitis (not Tuber- culous Convulsions Bronchitis Pneumonia		District of West Lancashire. Births in the year—legitimate, 493 ; illegitimate, Deaths from all Causes at all Ages—290.

#### REPORT OF INSPECTOR OF NUISANCES

#### OF THE

WEST LANCASHIRE RURAL DISTRICT COUNCIL FOR THE YEAR 1908.

DEAR SIR,

I have great pleasure in submitting my Twenty-eighth Annual Report for the fifteen townships comprising my district, which is for the year ending December 31st, 1908, for the purpose of laying before the above named Council, showing in detail the number of matters dealt with in each township as they have come under my notice, namely :--

The number of Nuisances from various sources.

Water Certificates under the Public Health (Water) Act, 1878.

Other supplies under the Public Health Act, 1875.

Samples of Water obtained for Analysis.

Housing of the Working Classes Act, 1890.

Registered Common Lodging Houses.

Registered Slaughter Houses.

Ditches and Watercourses Polluted.

Dairies, Cowsheds, and Milkshops Order, 1885.

Factory, Workshops, and Workplaces Order, 1901.

Registration Cards issued in this Order, 1901.

Scavenging-Removal of Privy and Ashpit Refuse.

Notices Served.

With reference to Water Certificates 56 in number have been granted to new houses. Out of the said number it has again been necessary to grant Certificates to 2 dwellings, the supply being rain water.

It has again been necessary to request owners of dwellings under the Public Health Act, 1875, to provide an available supply of water for the inmates of 11 dwellings.

Out of that number only 4 were available to the mains, extensions required for 7.

The total number of supplies from Public Service for the year 1908 is 3445.

REGISTERED COMMON LODGING HOUSES-3

#### REGISTERED SLAUGHTER HOUSES .- 2

#### HOUSING OF THE WORKING CLASSES ACT, 1890—8 SCAVENGING—REMOVAL OF PRIVY AND ASHPIT REFUSE.

See under Aughton, and North Meols (Ruial).

#### DAIRIES, COWSHEDS, & MILKSHOPS ORDER, 1885-37.

The premises are supplied from Public Service, and satisfactorily kept.

#### FACTORY, WORKSHOPS, BAKEHOUSES, AND WORKPLACES ACT, 1901.

The following is a summary of the work done under the aforesaid Act in my District during the year 1908 :---

During the year there has been closed—1. Registered—9. Defects—33. Abated—33. Notices—11. Registration Cards issued—9. Visits and Re-visits—192.

#### SUMMARY OF SANITARY IMPROVEMENTS-

Re-Limewashing			 	 24
Re-Ventilation			 	 8
Re-Privy in a foul	state	·	 	 1
Re-Privy dilapida	ted and	deficient	 	 1
				1
				34

TRADE OR EMPLOYMENT AS FOLLOWS :-

Dressmakers	 	 		8
Shoemakers	 	 		17
Blacksmiths	 	 		31
Wheelwrights	 	 		23
Joiners	 	 		2
Saddlers	 	 		4
Basketmakers	 	 		11
Bakehouses	 	 		7
Tailors	 	 		6
Boatbuilders	 	 		1
Tinsmith	 	 		1
Clogger	 	 		1
			-	
			]	112

The table hereafter will show at a glance, in detail, the number of matters dealt with, and notices served in each township.

#### TOWNSHIP OF ALTCAR.

FACTORY, WORKSHOPS, AND WORKPLACES ACT, 1901. Number of Workplaces ......

2

	TRADE	OR EMP	LOYMENT	AS	Follows	:	
Blacksmi	th						-
		PUBLIC	WATER	SUP	PLIES.		
The num!	ber for th	he vear 1	908				 48

## TOWNSHIP OF AUGHTON. NUISANCES.

Want of Water for domestic use		1
Want of Drains for house refuse		13
Privies and Ashpits dilapidated, deficient and filthy		36
Want of Ashpit		1
Want of Ventilation to bed-room		1
Spouting dilapidated, causing dampness		1
Midden too near dwelling		2
Ditch or Watercourse in foul state		2
Manure deposit too near road		1
Cellar flooded with back sewage matter		1
Cesspool defective, surroundings filthy		1
Drains defective		5
Want of Cesspool		1
Boundary Brook polluted from suds and vegetable may	tter	1
Dwellings foul from want of limewashing		2
Slopping and spilling manure on road		1
Drain stoppage (surface)		1
Overflow pipes attached to cesspools and ditch		2
Inspection chamber dilapidated and foul		1
Footpath in a foul state from manure droppings		1
		75
Notices served		39
Water analysis		3
Samples obtained from boundary brook.		

# PUBLIC HEALTH (WATER) ACT, 1878.

r----

DAIRIES, COWSHED, AND MILKSHOPS ORDER, 1885. -14

Premises kept in a satisfactory state, the water supply being from public service.

#### REGISTERED SLAUGHTER HOUSES-2

Premises have been kept clean, and in accordance with bylaws.

TRADE OR EMPLOYMENT AS FOLLOWS:-

Dressmakers	 	 	 6
Shoemakers	 	 	 2
Blacksmiths	 	 	 3
Wheelwrights	 	 	 2
Bakehouses	 	 1	 3
Joiner	 	 	 1
Saddler	 	 	 1
Basketmakers	 	 	 2

20

#### SUMMARY OF SANITARY IMPROVEMENTS.

Re-limewashing	 	 	 .3
Re-ventilation	 	 •••	 4
			7
Notices served	 	 	 4

#### SCAVENGING-REMOVAL OF PRIVY AND ASHPIT REFUSE.

The contents removed during the year from the following areas are viz :---

Northern Area	 	 	721
Southern Area	 	 	313
			1034

Cleanliness has again maintained in the thickly populated parts of the township through such removals.

#### PUBLIC WATER SUPPLIES.

The number of supplies for the year 1908 is 734, including 7 for which Water Certificates have been granted in respect of new dwellings.

#### TOWNSHIP OF BICKERSTAFFE.

#### NUISANCES.

Want of drains for house refuse	 5
Privies and Ashpits dilapidated deficient and filthy	 5
Defective Drains, pollution of boundary brook	 4
Accumulation and deposit of Fish and other refuse	 1
	15
	-
Notices served	 10

#### PUBLIC HEALTH (WATER) ACT, 1878.

DAIRIES, COWSHEDS, AND MILKSHOPS ORDER, 1885 ... 1 Found satisfactory at time of visits. FACTORY, WORKSHOPS, AND WORKPLACES ACT, 1901 The number of Workplaces is .. .. .. 11 Visits and re-visits to premises .. .. .. 12 Notice served—1. Defects—1. Remedied—1. Card issued —1.

TRADE OR EMPLOYMENT AS FOLLOWS :--Joiner 1 .. .. .. ... . . . . Saddler 1 ... . . . . . . . . Dressmaker 1 .. .. .. .. .. Blacksmith 2 . . .. . . . . . . Wheelwright 2 . . ... ... . . . . 7

#### PUBLIC WATER SUPPLIES.

The number of supplies from public service for the year 1908 is 183.

. .

#### TOWNSHIP OF BISPHAM.

#### NUISANCES.

Privies and Ashp	its in a f	oul state				5
Cesspools overflor	wing					2
	-					
						7
FACTORY, W	ORKSHO	PS, AND W	ORKPLA	CES ACT,	1901.	
The number of W	/orkplac	es register	ed is			9
Visits to the Pren	nises					7
	OR EM	PLOYMENT	AS FOI	LLOWS :		
Basketmakers						4
Wheelwrights						1
Blacksmiths						1
Bakehouse						1
-						-7

PUBLIC WATER S	UPPLIES			
The number for the year 1908 is				2
TOWNSHIP OF DOV	VNHOL	LAND.		
Privies dilapidated, deficient, and fi				5
Midden pits deficient, surroundings				4
Ditch or Watercourse polluted				2
Drains for house refuse defective				5
Want of drain for house refuse				1
Ashpit dilapidated, open and filthy			·	1
Cesspool dilapidated and deficient				1
Cellar in a foul state				1
				20
Notices served				10
		0/1 1050		
PUBLIC HEALTH (WA'				
	In a day of the		at af t	1.
Water Certificates have been g				
following number of new houses,		pplies b		om
following number of new houses, public service	the su	pplies b	eing fro	
following number of new houses,	the su	pplies b	eing fro	om
following number of new houses, public service FACTORY AND WORKPI Number of Workplaces registered	the su  ACES A	pplies b  cr, 1901. 	eing fro 	2 3
following number of new houses, public service FACTORY AND WORKPI Number of Workplaces registered	the su  ACES A	pplies b  cr, 1901. 	eing fro 	2 3
following number of new houses, public service	the su  ACES A	pplies b  cr, 1901. 	eing fro 	2 3
following number of new houses, public service FACTORY AND WORKPH Number of Workplaces registered Visits and re-visits Defects—2. Remedied—2. Reg Card issued —1	the su   istered—	pplies b  ст, 1901.  -1. Re	eing fro   egistrati	2 3
following number of new houses, public service	the su  .ACES A  istered— AS FOL	pplies b  cr, 1901.  -1. Re 	eing fro   egistrati	2 3 5 0n
following number of new houses, public service FACTORY AND WORKPI Number of Workplaces registered Visits and re-visits Defects—2. Remedied—2. Reg Card issued —1 TRADE OR EMPLOYMENT Tailor	the su   istered— AS FOL	upplies b  cr, 1901.  -1. Re 	eing fro   egistrati	2 3 5 0n
following number of new houses, public service FACTORY AND WORKPI Number of Workplaces registered Visits and re-visits Defects—2. Remedied—2. Reg Card issued —1 TRADE OR EMPLOYMENT Tailor	the su  .ACES A  istered— AS FOL	upplies b  cr, 1901.  -1. Re 	eing fro   egistrati	2 3 5 0n
following number of new houses, public service FACTORY AND WORKPI Number of Workplaces registered Visits and re-visits Defects—2. Remedied—2. Reg Card issued —1 TRADE OR EMPLOYMENT Tailor	the su   istered— AS FOL	upplies b  cr, 1901.  -1. Re 	eing fro   egistrati	2 3 5 0n
following number of new houses, public service FACTORY AND WORKPI Number of Workplaces registered Visits and re-visits Defects—2. Remedied—2. Reg Card issued —1 TRADE OR EMPLOYMENT Tailor Blacksmith	the su   istered– As For	pplies b  cr, 1901.  -1. Re 	eing fro	2 3 5 on 1 1
following number of new houses, public service FACTORY AND WORKPI Number of Workplaces registered Visits and re-visits Defects—2. Remedied—2. Reg Card issued —1 TRADE OR EMPLOYMENT Tailor Blacksmith SUMMARY OF SANITARY	the su  ACES A  istered- AS FOL  IMPROV	pplies b  cr, 1901.  -1. Re 	eing fro	2 3 5 on 1 1
following number of new houses, public service FACTORY AND WORKPH Number of Workplaces registered Visits and re-visits Defects—2. Remedied—2. Reg Card issued —1 TRADE OR EMPLOYMENT Tailor Blacksmith SUMMARY OF SANITARY Limewashing	the su  .ACES A  istered- AS FOL  IMPROV 	pplies b  ct, 1901.  -1. Re  LOWS :  	eing fro	2 3 5 on 1 1
following number of new houses, public service FACTORY AND WORKPI Number of Workplaces registered Visits and re-visits Defects—2. Remedied—2. Reg Card issued —1 TRADE OR EMPLOYMENT Tailor Blacksmith SUMMARY OF SANITARY	the su  .ACES A  istered- AS FOL  IMPROV 	pplies b  ct, 1901.  -1. Re  LOWS :  	eing fro	2 3 5 on 1 1

1 . . .

#### PUBLIC WATER SUPPLIES.

The number of supplies for the year 1908 is 124, including 2 for which Certificates have been granted to new dwelling.

### TOWNSHIP OF HALSALL.

Want of Water for domestic use	 	 2
Privies and Ashpits in a foul state	 	 8
		10
		-
Notices served	 	 10

#### PUBLIC HEALTH (WATER) ACT, 1878.

#### FACTORY AND WORKPLACES ACT, 1901.

The number of V	Work	places registere	ed		 9
Number of visits	s	••			 7
TRADE	E OR	Employment	AS FO	OLLOWS :	
Shoemakers					 2
Saddler					 1
Blacksmiths					 2
Wheelwrights					 2
					7

With respect to the want of water in my last report where main was not available, I am pleased to state that 2772 yard of 3" main is now laid, and 28 premises are supplied therefrom, also a branch 417 yards laid for 3 other supplies.

#### PUBLIC WATER SUPPLIES.

The number of supplies from public service for the year 1908 is 229, including 13 for which Water Certificates have been granted in respect of new houses.

### TOWNSHIP OF HESKETH-WITH-BECCONSALL.

NUISANCES.

Privies and ashpits dilapidated, deficient and filthy						
Ashpits in a foul state		2				
Drainage defective		2				
Cesspools defective, surroundings filthy		2				
Catchpits too near dwelling and foul						
Drain untrapped inside washhouse	• • • •	1				
		13				
Notices served		6				
PUBLIC HEALTH (WATER) ACT, 1878.						
WATERCertificates have been granted in respect of following number of new houses, the supplies						
from public service		5				
FACTORY AND WORKPLACES ACT, 1901.						
The number of workplaces registered		10				
Visits and re-visits to the premises		12				
TRADE OR EMPLOYMENT, AS FOLLOWS :-						
Tailors	•••	3				
Shoemakers	••	3				
Wheelwright	• •	1				
Blacksmiths	••	2				
		9				

#### PUBLIC WATER SUPPLIES.

The number for the year 1908 is 234, including 5 for which water certificates have been granted in respect of new houses.

# TOWNSHIP OF LYDIATE.

## NUISANCES.

Drains dilapidated and deficient, premises filth	hy		5
Cesspools defective, surroundings in a foul sta	te		3
Want of Ashpits			3
Spouts and roofs dilapidated, causing dampne	SS		2
Walls of dwelling very defective and damp		• •	1
Privies and Ashpits dilapidated and deficient			4
Gullies dilapidated	••		3
			21
			-
Notices served		•••	8
HOUSING OF THE WORKING CLASSES ACT, 189	0	•••	1
Premises dealt with under the said Act.	1005		,
DAIRIES, COWSHEDS, AND MILKSHEDS ORDER,		· · ·	1
One premises closed, occupier left the di	strict.	Satisi	ac-
tory when visited, water public service.			
FACTORY AND WORKPLACES ACT,	1901.		
Number of Workplaces			10
Visits and re-visits to the premises			11
Notices—2. Defects—3. Remedied—3.			
TRADE OR EMPLOYMENT AS FOLL	ows :	-	
Shoemaker			1
Basketmaker			1
Blacksmith			1
Wheelwrights			2
Bakehouse			1
Boatbuilder			1
SUMMARY OF SANITARY IMPROV	EMEN	TS.	
Limewashing			2
Defective privy accommodation			1
			3
			_

1

#### PUBLIC WATER SUPPLIES.

The number of supplies for the year is 139.

#### TOWNSHIP OF MAGHULL.

#### NUISANCES.

Accumulation and deposit of offensiv	 1		
Slopping and spilling sewage matter	on road		 1
Cesspool overflowing premises foul			 1
Privies and Ashpits in a foul state			 10
Ditch or Watercourse polluted			 1
Drain stoppage, surroundings filthy			 2
			10
			16
Notices served			 4

#### PUBLIC HEALTH (WATER) ACT, 1878.

Water Certificates have been granted in respect of the following number of new dwelling, supply from public service 3 DAIRIES, COWSHEDS, AND MILKSHOPS ORDER, 1885 ... 3

One person registered, on the premises being made to comply with the sections of Act.

FACTORY AND WORKPLACES ACT, 1901.

Number of w	orkplaces on t	the register 1s			10
Visits and re	-visits to the s	said premises			18
Notices-4.	otices-4. Defects-7. Remedied-7.			ed—1.	
Registration	Card issued-	-1.			

TRADE OR EMPLOYMENT AS FOLLOWS :--

Shoemaker	 	 	1
Tinsmith	 	 	1
Blacksmiths	 	 	2
Wheelwrights	 	 	2
Bakehouse	 	 	1
Basketmaker	 	 	1
			_
			8

#### 59

#### SUMMARY OF SANITARY IMPROVEMENTS.

Re-limewashed	 	 	6
Re-permanent ventilation	 	 	1
			-
			-

#### PUBLIC WATER SUPPLIES.

The number of supplies for the year 1908 is 274 including 3 for which certificates have been granted in respect of new houses.

#### TOWNSHIP OF MELLING.

#### NUISANCES.

Privies and Ashpits, dilapidated, def	icient a	and fou	1	 5
Drains defective, surroundings foul				 3
Ditch or Watercourse polluted			-	 1
Walls of dwelling in a damp state	• • •			 1
Waste pipe from sink under kitchen	floor			 1
Bath outlet connected with drain				 1
Want of Ashpit				 1
Spouts dilapidated				 1
Want of Ventilation to Outhouse		• •.		 1

15

1

#### WATER ANALYSIS.

Sample obtained from Old Well proved usable	 1
Notices served	 5
DAIRIES, COWSHEDS, AND MILKSHOPS ORDER, 1885	 3
Premises satisfactory, water, public service.	

#### FACTORY AND WORKPLACES ACT, 1901.

Number of Workplaces registered		 4
Visits and re-visits to the said premises	•	 6
Satisfactory at time of visits.		

TRADE OR EMPLOYMENT AS FOLLOWS :		
Shoemaker		1
Blacksmiths		$^{2}$
		-
		3
PUBLIC WATER SUPPLIES.		
The number for the year 1908 is		205
TOWNSHIP OF NORTH MEOLS (RURAL)	BAN	KS,
AND CROSSENS.		
NUISANCES.		
Want of water for domestic use		2
Ditch or watercourse adjoining footpath filthy		1
Cesspools overflowing and defective premises foul		4
Privies and ashpits in a fifthy state	• •	8
Windows defective causing dampness		4
Accumulation and deposit of decomposed offal	•••	1
Accumulation and deposit of shrimp refuse	• •	13
Deficient drains for house refuse, premises foul		22
Privies and ashpits dilapidated, deficient, and fifthy	• •	.34
Defective traps (bell)	• •	2
Walls of dwelling in a damp state	• •	. 2
Want of drains for house refuse		3
Pigs kept so as to be a nuisance	•••	1
Shrimp refuse deposited in privy and ashpit		1
Premises filthy from deposits of refuse		
Ditches or watercourses polluted	• •	2
		102
Notices served	•••	60
HOUSING OF THE WORKING CLASSES ACT, 1890.		
Notices served under the said Act		10
PUBLIC HEALTH (WATER) ACT, 1878. WATER.—Certificates have been granted in respect of	the	
following number of new houses	the	4

DAIRIES, COWSHEDS, AND MILKSHOPS OBDER, 1885 ... 3 One out of the said number has been registered, premises

found satisfacsory; public water supply in each case ...

#### FACTORY AND WORKSHOPS ACT, 1901.

Number of Visits and r		-		•••	••		8 12
visits and i	e-visits to	the salu	premise			•••	
	TRADE OR	EMPLOY	YMENT, A	AS FOLLO	ws :		
Blacksmith	s						2
Wheelwrigh	nts					•••	2
Tailor .							1
Shoemaker							1
							-
							0

#### SUMMARY OF SANITARY IMPROVEMENT.

. .

..

Re-limewashed

#### Re SCAVENGING.

3

It was again found necessary to recommend to the Council that scavenging was required for the removal of house and other refuse (which will be seen on reading my report on nuisances in the township. The Council then resorted to take steps with a view to undertaking the removal of house and other refuse in North Meols, and that the Local Government Board be asked to issue an Order declaring the expenses to be incurred in connection therewith to be special expenses payable by the contributory place of North Meols; and such Order being granted by the Local Government Board, tenders for the said removal has been advertised for; also forms for the same have been printed for the purpose of supplying persons disposed to contract.

#### PUBLIC WATER SUPPLIES.

The number of public supplies for the year 1908 is 366, including 4 for which certificates have been granted in respect of new houses.

#### TOWNSHIP OF RUFFORD.

Privies and ashpits in a foul	state		 	3
Urinal abutting footpath in	a foul sta	te	 	1

#### PUBLIC HEALTH (WATER) ACT, 1878.

One person has ceased to supply during the year.

FACTORY AND WORKPLACES ACT,	, 1901.	
Number of Workplaces on register		11
Visits and re-visits made to premises	:	16
TRANSFER, 1. CARD, 1. DEFECTS, 4. REM	IEDIED, 4.	

#### TRADE OR EMPLOYMENT, AS FOLLOWS :--

Shoema	kers						2
Basketn	nakers						2
Blacksn	niths						2
Wheelw	rights						2
							-
							8
SI	UMMARY	Y OF SA	ANITARY	IMPR	OVEMEN	TS.	

Re-limewashing	 	 	3
Re-permanent Ventilation	 	 	1
			4

#### WATER ANALYSIS.

In connection with the Holmeswood Water Main extension, and by request of the Local Government Board, I obtained sample of water from the Lathom and Burscough Urban District Council Offices, which I subsequently submitted to Dr. Campbell Brown, County Analyst, who reported satisfactorily thereon.

The said extension is now laid and connections are being made therewith.

#### PUBLIC WATER SUPPLIES.

The number of public supplies for the year 1908 is 82 including 6 for which Certificates have been granted in respect of new houses.

#### TOWNSHIP OF SCARISBRICK.

#### NUISANCES.

Want of water for domestic u	ise				7
Want of drain for house refus	se			· · ·	1
Privies and Ashpits dilapida	ted, defic	ient, and	filthy		7
Washhouse dilapidated					1
Middenstead defective and to	oo near d	welling			1
Ditch in a fifthy state from s	ewage ma	atter			1
Drain deficient, premises in a	a foul stat	te			1
Cesspools defective and over	flowing				5
Catchpit below surface, and	filthy				1
Want of drain for house ref	use				1
Want of ashpit to privy					1
Open gutter in a filthy state					1
					-
					28
					-
Notices served					10

## WATER ANALYSIS.

65

I have obtained s			from old			17
	••	••	••	••	•••	17
Pump attached the	ereto	••	••	••	•••	5
						22
Reports thereon	unsatis	factory.				
An extension of attention which is				cality is	receivi	ing
HOUSING OF	F THE V	VORKING	CLASSES	з Аст, 18	90.	
Notice served unde	er the ab	ove-nam	led Act			1
· Publi	C HEAL	TH (WAT	TER) ACT	, 1878.		
WATERCertifi	cates ha	ave been	granted	in respe	ct of	
the following new l	houses					4
FACTOR	RY AND	WORKPL	ACES AC	r, 1901.		
Number of workpl	aces on	register				17
Visits and re-visits	to the s	aid preu	nises			19
Defects, 6; Reme	died, 6.					
TRADE	OR EM	PLOYMEN	T, AS FO	LLOWS :-	-	
Shoemakers						2
Wheelwrights						4
Blacksmiths						• 4
Basketmaker						1
Bakehouse						1
						*****
						12
SUMMAR	Y OF S	SANITA	RY IMP	ROVEME	INS.	
Re-limewashing						6

#### PUBLIC WATER SUPPLIES.

The number of supplies from public service for the year 1908 is 346, including 4 for which certificates have been granted in respect of new houses.

# TOWNSHIP OF SIMONSWOOD.

#### NUISANCES.

Privy in a foul state			1
Middenstead defective, surroundings foul	••	••	1
			2
			_
FACTORY AND WORKPLACES AC	т, 1890.		
Number of workplaces registered			3
Visits and re-visits to the premises			4
TRADE OR EMPLOYMENT, AS FOLLO	ows :—		
Blacksmith		<b>.</b> .	1
Wheelwright		• •	1
			-
			2
			-
PUBLIC WATER SUPPLIES.			
The number of supplies for the year is		•••	40
TOWNSHIP OF TARLET	ON.		
NUISANCES.			
Privy and premises in a foul state			1
Privies and ashpits foul			5
Deposit on road			1
Ditches or watercourses polluted	·		2
Slopping or spilling manure on road			1
			10
			_

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#### 67

#### PUBLIC HEALTH (WATER) ACT, 1878.

WATER.—Certificates have been granted in respect of 7 new houses, 2 of which being rainwater supplies, there being no main available

DAIRIES, COWSHEDS, AND MILKSHOPS ORDER, 1885 ... 5 Premises satisfactorily kept and supplied from public service.

#### FACTORY AND WORKPLACES ACT, 1901.

Number of workplaces on register	 	 12
Visits and re-visits to the premises	 	 18
Premises satisfactory.		

TRADE OR EMPLOYMENT, AS FOLLOWS :---

Dressmakers	 	 	1
Tailor	 	 	1
Clogger	 	 	1
Wheelwrights	 	 	2
Blacksmiths	 	 	2
Shoemakers	 	 	2
Bakehouse	 	 	1
			-

REGISTERED COMMON LODGING HOUSES

3

10

: 1

No infectious diseases, and the premises have been kept clean through the year.

#### PUBLIC WATER SUPPLIES.

The number of supplies for the year 1908 is 439, including 7 for which Certificiates have been granted to new houses.

I now give in Table Form the total number of matters dealt with in each Township as stated in the foregoing part of my Report.

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	15	- 20	89	13	21	16	102	4	58	10	338	200
ALTCAR	BICKERSTAFFE	BISPHAM	DOWNHOLLAND	HESKETH-WITH-	LYDIATE.	MAGHULL	NORTH MEOLS (	(KURAL) ) RUFFORD	SCARISBRICK	SIMONSWOOD		
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$									

To DR. GEO. E. SCHOLEFIELD, D.P.H., M.O.H.

Many thanks for continued favours during the year.

#### ANNUAL REPORT ON CANAL BOATS FOR THE YEAR 1908.

#### January, 7, 1909.

#### To the Chairman and Members of the West Lancashire Rural District Council.

GENTLEMEN,

The method of *Inspection* usually adopted by the Inspector is to board a boat when on a voyage, as the occupants are at that time unprepared for his visit, but he also inspects boats that he finds tied up.

Mr. James Peach, of Knowsley-road, Ormskirk, is the Inspector, and he receives  $\pounds 10$  per annum as *remuneration* for his work.

The number of boats inspected during the year was 51, and the condition of them and of their occupants was satisfactory.

The condition as to cleanliness in all cases was very good.

The condition as to repairs was in all cases good.

There was no infringement of the Acts and Regulations with regard to Notification of Change of Master; Certificates; Marking; Overcrowding; Separation of the Sexes; Cleanliness; Ventilation; Painting; Provision of Water Cask; Removal of Bilge Water; Notification of Infectious Disease; Admittance of Inspector.

No Legal Proceedings have been taken during the year.

No cases of *Injectious Disease* have been discovered during the year.

It has not been found necessary to detain any boat for Cleansing and Disinfecting.

Four children were found on board the boats during the year.

We are, Gentlemen, your obedient Servants,

GEO. E. SCHOLEFIELD,

Medical Officer of Health.

JAMES PEACH,

Inspector of Canal Boats.

# Mest Kancashire Rural District Council.

# GENERAL RULES

TO BE OBSERVED IN THE

# **Management of Infectious Diseases**

1. The patient should be separated as completely as possible from the other inmates of the house; or, better still, removed to the Isolation Hospital. First cases should always be removed to hospital.

2. Remember that the danger of infection is the same in all cases, whether mild or severe.

3. The sickroom should be made as bare as possible by the removal of all bed-curtains, carpets, and unnecessary articles of furniture.

4. The sickroom should be well ventilated; the windows should be kept partly open when the weather permits, and a fire burning.

5. The door should be kept closed, and a sheet hung over it and kept wet with the disinfectant solution. Disinfectants may be had, free of charge, from the Sanitary Inspector—Mr. Peach, 25, Knowsley Road, Ormskirk.

6. The nurse should wear washing clothes, and always wash and disinfect her hands and face, and change her shoes and outer clothes after leaving the sickroom.

7. No food or drink which has been in the same room as the patient should be used by anyone else. It should be burned.

8. Plates, cups, spoons, clothes and anything else brought from the sickroom should be placed in disinfectant solution for at least half-an-hour, and afterwards washed in water by themselves.

9. The patient's discharges should be received into a vessel containing a disinfectant. In cases of typhoid fever, the disinfectant should be Izal, supplied gratuitously on application to the Sanitary Inspector and should be used according to the directions printed on the label of each bottle.

10. Pieces of rag should be used instead of handkerchiefs, and burned immediately after use.

11. When scales or crusts form upon the skin, it should be kept well smeared with carbolic oil or grease.

12. No visitors should be allowed.

13. The patient should not be allowed to sleep in the same room as any healthy person until at least a fortnight after apparently complete recovery. 14. The Medical Officer of Health should be informed when the illness is at an end, when a van will be sent to remove the bedding and clothes for disinfection and will afterwards bring them back

15. Disinfection of a sickroom or other room of a house must be done to the satisfaction of the Medical Officer of Health. The disinfection will be carried out by the Council's Officials, free of charge, if so desired by the occupier.

16. The whole of the house should be kept well ventilated, clean, and in good sanitary order throughout the illness.

## GEO. E. SCHOLEFIELD, M.D., D.P.H.,

Medical Officer of Health,

AUGHTON, Near Ormskirk

# PENALTIES.

#### XXX

2.—For entering any street, public place, shop, inn, or public conveyance while in an infectious state ... ... £5

3.—For exposing any infected person in any street, public place, shop, inn, or public conveyance ... ... £5

6.—For casting infected rubbish without previous disinfection into any ashpit or other receptacle for refuse ... £5

10.—For making a false statement to a prospective tenant as to there being, or having been within a previous period of six weeks, an infected person in a house or part of a house exposed for hire.. Imprisonment with or without hard labour, or  $f_{20}$ 

## Mest Kancashire Rural District Council.

# SCARLET FEVER.

It is dangerous and illegal to send any Child or Person who has suffered from this Fever, or any other dangerous Infectious Disease, to School, or into any public place, until free from infection, however mild the case may be. PENALTY—Not exceeding FIVE POUNDS.

The Law requires that every person in charge of such a case should give immediate notice of existence thereof to the Medical Officer of Health, whether this has been already done by a Medical Man or not. PENALTY for neglect to give this notice is a sum not exceeding FORTY SHILLINGS.

The District Council provides hospital accommodation for infected cases, and disinfects Clothing, Beding, &c., when necessary, at the public expense. All persons living within the District are at liberty to avail themselves of these provisions.

When a Scarlet Fever patient is nursed at home, no child from the same house should attend School.

Personal infection continues until peeling is completed, and this is seldom the case until SIX WEEKS after the date of rash. The soles of the feet are usually the last parts to become clear.

As soon as the peeling is over, a Medical Certificate to this effect should be obtained, and forwarded to the Medical Officer of Health.

By Order of the District Council.

GEO. E. SCHOLEFIELD, M.D., D.P.H., MEDICAL OFFICER OF HEALTH, AUGHTON, NR. ORMSKIRK.

# West Lancashire Rural District Council.

FISH REFUSE.

HEREAS, persons are in the habit of depositing the REFUSE from FISH, arising from the preparation of such Fish for sale, on waste pieces of land, and in ditches adjoining the Highways, in some parts of the District of the Sanitary Authority, which refuse becomes a nuisance, and injurious to heath;<sup>3</sup>

# Rotice is Hereby Given,

That such persons must at once cease to make the deposits above named, and any person acting in contravention of this Fotice will be proceeded against according to law.

By Order,

### ALFRED DICKINSON,

Clerk to the said Council.

December, 1908.

