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REPORT  
OF THE  
HEALTH OF LIVERPOOL

DURING THE YEAR 1875,

BY W. S. TRENCH, M.D.,

Medical Officer of Health for the Borough.



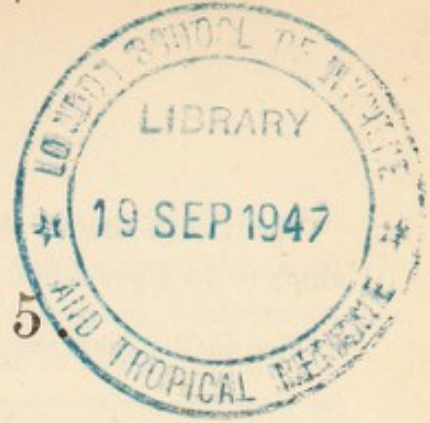
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# REPORT, 1875

DURING the fifty-two weeks of the year 1875 (terminating on Saturday, 1st January, 1876), the returns of the Local Registrars record 19,869 births, and 14,173 deaths within the Borough of Liverpool.

Of the births, 10,152 were males, and 9,717 were females; making the total Birth-rate of the Borough equal to 38.5 per 1000.

The distribution of the births in the different wards and districts of the Borough has been arranged in the following Table:—

## BIRTHS.

DISTRICTS AND WARDS.		1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Annual Births
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
Parish.	Scotland .....	423	398	359	386	376	323	368	329	2962
	Vauxhall .....	60	71	73	70	64	79	59	64	540
	St. Paul's and Exchange..	89	102	105	86	86	85	107	87	747
	St. Anne's and Lime Street	150	141	141	160	157	143	142	159	1193
	Castle Street and St. Peter's	30	27	43	33	19	27	25	14	218
	Pitt Street and Gt. George	98	96	85	91	84	76	73	83	686
	Rodney St. & Abercromby	183	196	209	196	183	142	172	158	1439
Out-Townships.	Everton and Kirkdale....	824	779	796	760	749	714	832	740	6194
	West Derby .....	300	271	303	265	296	285	297	269	2286
	The Toxteths.....	472	446	415	487	462	429	443	450	3604
Parish .....		1033	1031	1015	1022	969	875	946	894	7785
Out-Townships .....		1596	1496	1514	1512	1507	1428	1572	1459	12084
Borough .....		2629	2527	2529	2534	2476	2303	2518	2353	19869

## DEATHS.

Of the 14,173 deaths, 7,462 were of males, and 6,711 of females; 7,335 occurred in the Parish, and 6,838 in the Out-townships.

The Death-rate of the Borough was equal to 27.3 per 1000.



The Death-rate of the Parish was equal to 32·4, and that of the Out-townships to 23·2 per 1,000 of the population.

The deaths occurred in the following districts:—

DISTRICTS.		1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Annual.
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Deaths.
Parish.	Scotland .....	285	288	192	221	277	232	231	250	1976
	Vauxhall .....	58	71	41	41	49	57	50	45	412
	St. Paul's and Exchange .....	114	84	84	71	68	67	64	72	624
	St. Anne's and Lime Street .....	175	153	112	96	106	112	126	106	986
	Castle Street and St. Peter's .....	27	29	39	19	26	18	24	20	202
	Pitt Street and Great George .....	86	77	73	60	71	57	73	65	562
	Rodney Street and Abercromby .....	124	140	92	83	83	93	93	101	809
	Parish Workhouse and Hospitals .....	329	242	266	157	231	121	250	168	1764
Out-Townships.	Everton and Kirkdale .....	488	451	349	356	429	409	407	392	3281
	West Derby .....	182	173	133	123	156	146	169	143	1225
	The Toxteths .....	291	274	220	244	223	220	260	230	1962
	Out Township Hospitals .....	84	46	62	29	50	33	40	26	370
Parish .....		1198	1084	899	748	911	757	911	827	7335
Out-Townships .....		1045	944	764	752	858	808	876	791	6838
Borough .....		2243	2028	1663	1500	1769	1565	1787	1618	14173

We are able, from the returns made by the Registrars as to the residences of persons dying in the Workhouses and Hospitals of the town, to classify 1,339 of the deaths in these establishments under the wards and districts from whence the patients were removed, viz., 264 under Scotland Ward, 126 under Vauxhall Ward, 168 under St. Paul's and Exchange Wards (Dale Street District), 279 under St. Anne's and Lime Street Wards (Islington District), 33 under Castle Street and St. Peter's Wards (St. George's District), 101 under Pitt Street and Great George's Wards (St. Thomas's District), 135 under Rodney Street and Abercromby Wards (Mount Pleasant District), 157 under the Out-townships of Everton and Kirkdale, 63 under that of West Derby, and 13 under those of the Toxteths. This will, however, still leave unclassified 795 deaths of persons whose previous residences were either unknown or not specified; and these, in the absence of definite information, I have placed in the Wards in proportion to the number of total deaths.



The results of the alterations occasioned by this re-arrangement of the deaths in the wards and districts will be shown in the following table, from which a calculated rate of mortality per 1,000 of the estimated inhabitants has been made; but it must be observed that the estimate of the population of all the districts of the Parish has been made on a rate of decrease which is probably in excess of what is now going on.

DISTRICTS AND WARDS.	Annual.	
	Deaths.	Rate per 1000.
Scotland .....	2373	31·5
Vauxhall .....	570	33·6
St. Paul's and Exchange .....	839	38·1
St. Anne's and Lime Street .....	1340	33·6
Castle Street and St. Peter's .....	249	33·7
Pitt Street and Gt. George .....	703	33·2
Rodney Street and Abercromby .....	1000	22·3
Everton and Kirkdale .....	3642	23·2
West Derby .....	1365	23·4
The Toxteths .....	2092	24·0
Borough .....	14173	27·5

The following table shows the natural increase or decrease of population, or the proportion of births to deaths during the year 1875, in the several districts of the Borough:—

DISTRICTS AND WARDS.	Births.	Deaths.	Increase.	Decrease
Scotland .....	2962	2373	589	..
Vauxhall .....	540	570	..	30
St. Paul's and Exchange .....	747	839	..	92
St. Anne's and Lime Street .....	1193	1340	..	147
Castle Street and St. Peter's .....	218	249	..	31
Pitt Street and Gt. George .....	686	703	..	17
Rodney Street and Abercromby .....	1439	1000	439	..
Everton and Kirkdale .....	6194	3642	2552	..
West Derby .....	2286	1365	921	..
The Toxteths .....	3604	2092	1512	..
Borough .....	19869	14173	5696	..

The Registrar-General's reports enable us, as will be seen from the following table, to compare the mortality of Liverpool with twenty of the large towns of the United Kingdom:—



TOWNS.	Estimated Population in the middle of the year 1875.	Births in 52 Weeks, ending 1st Jan., 1876.	Deaths in 52 Weeks, ending 1st Jan., 1876.	Annual Rate to 1,000 of Population.		Population on Acre.
				Births.	Deaths.	
London .....	3445160	122871	81567	35.7	23.7	45.7
Portsmouth .....	122632	4019	2390	32.8	19.5	27.3
Norwich .....	82842	2703	2026	32.6	24.5	11.1
Bristol .....	196186	7151	5254	36.5	26.8	44.1
Wolverhampton .....	71718	2762	1775	38.5	24.7	21.1
Birmingham .....	366325	14882	9724	40.6	26.5	43.6
Leicester .....	109830	4250	2923	38.7	26.6	34.3
Nottingham .....	92251	3183	2554	34.5	27.7	46.2
Manchester .....	356626	14064	10676	39.4	29.9	83.1
Salford .....	135720	6421	4271	47.3	31.5	26.3
Oldham .....	87437	3663	2590	41.9	29.6	18.7
Bradford .....	168305	6557	4556	39.0	27.1	23.3
Leeds .....	285118	11500	7518	40.3	26.4	13.2
Sheffield .....	267881	11026	6642	41.2	24.8	13.6
Hull .....	133932	5436	3666	40.6	27.4	36.8
Sunderland .....	106342	4501	2386	42.3	22.4	32.2
Newcastle-on-Tyne .....	137665	5586	3587	40.6	26.1	25.6
Edinburgh .....	211626	6742	5015	31.9	23.7	50.5
Glasgow .....	534564	20812	15294	38.9	28.6	88.6
Dublin .....	314666	8976	8482	28.5	27.0	31.3
Liverpool .....	516063	19869	14173	38.5	27.5	99.1

It will be seen that since my Report for 1874, the estimated population on acre is placed as increased in all the towns except Glasgow, where the population on acreage is described as having decreased from 100.4 to 88.6. This is explicable from the following note from the Reports of the Registrar-General of Scotland, where he states that "the Registration Area of Glasgow was on 1st Jan., 1875, augmented by the addition of several new districts, embracing a population at Census of 1861 of 8811, and at Census of 1871 of 14114."

The average age at death of the Inhabitants of the Borough during the twelve months of the year 1875 was 26 years, in the Parish 28 years, and in the Out-Townships 24 years. The following table shows that the average age was lowest during the third quarter, or during the months of July, August, and September, when Infantile Diarrhœa was rife:—

WARDS.	QUARTERS.								YEAR 1875.		
	FIRST.		SECOND.		THIRD.		FOURTH.		Age in Years.		
	Age in Years.		Age in Years.		Age in Years.		Age in Years.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both Sexes
Average Age at Death.											
Scotland .....	23	28	24	22	13	15	16	23	19	22	21
Vauxhall.....	25	32	29	21	14	19	21	25	22	24	23
St. Paul's .....	21	32	27	15	18	23	18	25	21	24	22
Exchange .....	34	35	30	26	25	27	25	20	28	27	28
St. Anne's .....	29	31	22	20	10	13	21	25	20	22	21
Line Street.....	31	28	28	24	29	28	29	20	29	25	27
Castle Street .....	31	40	26	1	27	1	33	57	29	25	27
St. Peter's .....	28	33	20	24	36	31	28	33	28	30	29
Pitt Street .....	21	36	33	20	23	25	31	33	27	28	28
Great George .....	30	28	28	29	20	24	26	29	26	27	27
Rodney Street .....	34	47	32	35	22	29	27	32	29	36	32
Abercromby .....	38	44	26	39	25	29	32	39	30	38	34
Parish Workhouse } and Hospitals.... }	43	41	39	37	41	43	40	41	41	40	41
Everton and Kirkdale .....	22	29	24	25	17	19	20	24	21	24	23
West Derby .....	27	31	25	31	15	21	21	26	22	27	25
North Toxteth .....	27	26	23	29	14	26	21	27	21	27	24
South Toxteth .....	24	30	19	26	16	18	21	27	20	25	23
Out-Township Work- } house & Hospitals }	40	43	39	39	39	40	35	49	38	43	41
Parish .....	32	34	30	27	24	24	27	29	28	28	28
Out-Townships ..	25	30	25	27	17	21	21	26	22	26	24
Borough .....	29	32	27	27	21	22	24	28	25	27	26



The deaths of Infants below the fifth year of their age amounted to 6,130, and thus comprised 43·2 per cent. of the whole deaths.

The first of the following tables shows the districts where Infant Mortality was relatively and absolutely greatest, the second table illustrates the influence of age on the death-rate of the Borough; and the third table places, in one connected view, the pathological history of the death registry.

WARDS.		Quarters.				Annual.	Per Cent- age of Deaths under 5 years to Total Deaths.
		March.	June.	Sept.	Dec.		
Scotland	{ Total Deaths..	573	413	509	481	1976	} 55·8
	{ Below 5 years..	272	198	348	286	1104	
Vauxhall	{ Total Deaths..	129	82	106	95	412	} 50·4
	{ Below 5 years..	50	37	73	48	208	
St. Paul's	{ Total Deaths..	120	77	76	73	346	} 50·0
	{ Below 5 years..	53	42	39	39	173	
Exchange	{ Total Deaths..	78	78	59	63	278	} 40·6
	{ Below 5 years..	25	33	25	30	113	
St. Anne's	{ Total Deaths..	227	151	147	131	656	} 49·8
	{ Below 5 years..	87	71	100	69	327	
Lime Street	{ Total Deaths..	101	57	71	101	330	} 41·8
	{ Below 5 years..	36	26	32	44	138	
Castle Street	{ Total Deaths..	18	12	7	7	44	} 38·6
	{ Below 5 years..	6	7	3	1	17	
St. Peter's	{ Total Deaths..	38	46	37	37	158	} 42·4
	{ Below 5 years..	17	28	9	13	67	
Pitt Street	{ Total Deaths..	62	47	56	55	220	} 40·9
	{ Below 5 years..	25	17	28	20	90	
Great George	{ Total Deaths..	101	86	72	83	342	} 44·4
	{ Below 5 years..	44	34	40	34	152	
Rodney Street	{ Total Deaths..	134	96	98	101	429	} 35·6
	{ Below 5 years..	32	33	47	41	153	
Abercromby	{ Total Deaths..	130	79	78	93	380	} 33·1
	{ Below 5 years..	30	27	39	30	126	
Parish Workhouse and Hospitals	{ Total Deaths..	571	423	352	418	1764	} 9·5
	{ Below 5 years..	50	51	29	39	169	
Everton and Kirkdale	{ Total Deaths..	939	705	838	799	3281	} 51·9
	{ Below 5 years..	436	325	509	435	1705	
West Derby	{ Total Deaths..	355	256	302	312	1225	} 49·0
	{ Below 5 years..	152	107	180	162	601	
North Toxteth	{ Total Deaths..	293	231	198	244	966	} 48·7
	{ Below 5 years..	124	105	114	128	471	
South Toxteth	{ Total Deaths..	272	233	245	246	996	} 50·0
	{ Below 5 years..	125	113	148	112	498	
Out-Township Workhouse and Hospitals	{ Total Deaths..	130	91	83	66	370	} 4·8
	{ Below 5 years..	7	4	2	5	18	
Parish	{ Total Deaths..	2282	1647	1668	1738	7335	} 38·6
	{ Below 5 years..	727	604	812	694	2837	
Out-Townships	{ Total Deaths..	1989	1516	1666	1667	6838	} 48·1
	{ Below 5 years..	844	654	953	842	3293	
Borough	{ Total Deaths..	4271	3163	3334	3405	14173	} 43·2
	{ Below 5 years..	1571	1258	1765	1536	6130	



AGES.	Quarters.				Annual.	
	March.	June.	Sept.	Dec.	Deaths.	Rate per 1000 of population.
Deaths at 1 year and under .....	1007	871	1325	968	4171	8.1
„ between 1 year and 5 .....	564	387	440	568	1959	3.8
„ „ 5 „ 20 .....	262	217	182	192	853	1.6
„ „ 20 „ 60 .....	1703	1258	1023	1215	5199	10.1
„ above 60 years .....	733	430	364	460	1987	3.8
„ at ages unknown .....	2	...	...	2	4	0.007
„ at all ages .....	4271	3163	3334	3405	14173	27.5

The Registrar's Returns show that there were 7 deaths (4 of women and 3 of men) above the age of 90, viz., 1 male and 1 female at 91, 1 male and female at 92, 1 male at 94, 1 female at 96, and 1 female at 97.

CLASSES.	QUARTERS.				YEAR 1875.
	March.	June.	Sept.	Dec.	
1. Zymotic Diseases .....	617	490	975	629	2711
2. Diseases of Uncertain Seat .....	90	71	87	79	327
3. Tubercular Diseases .....	597	533	413	448	1991
4. Diseases of Brain, &c. ....	466	424	388	354	1632
5. „ of Heart, &c. ....	236	218	167	203	824
6. „ of Lungs, &c. ....	1198	585	366	789	2938
7. „ of Stomach, &c. ....	158	147	168	127	600
8. „ of Kidneys, &c. ....	72	57	49	72	250
9. Childbirth, Diseases of Uterus, &c. ....	38	39	22	22	121
10. Rheumatism, Diseases of the Joints, &c. ....	30	24	13	24	91
11. Diseases of the Skin, Cellular Tissue, &c. ....	35	22	28	18	103
12. Malformations .....	11	13	8	13	45
13. Premature Birth .....	54	68	69	37	228
14. Atrophy and Debility .....	223	194	281	235	933
15. Old Age .....	156	91	94	136	477
16. Privation, Cold, &c. ....	1	...	2	...	3
17. Inquests .....	248	181	199	208	836
Causes not specified .....	41	6	5	11	63
All Causes .....	4271	3163	3334	3405	14173
Total Zymotics .....	617	490	975	629	2711
Smallpox .....	12	11	2	4	29
Measles .....	29	11	15	62	117
Scarlatina .....	179	88	97	104	468
Whooping Cough .....	87	66	66	146	365
Diarrhœa .....	37	104	594	107	842
Typhus and Infantile Fever .....	139	126	111	114	490



## ZYMOTICS.

Zymotic diseases occasioned 2,711 deaths during the year 1875, and thus accounted for 19·1 per cent. of the total mortality within the Borough of Liverpool during the same period. The following table shows the localities and the periods of their fatal prevalence :—

WARDS, &c.	Deaths from all Causes.	ZYMOTICS.				
		Quarters.				Per Centage of Zymotic Deaths to Deaths from all Causes.
		March.	June.	Sept.	Dec.	
Scotland .....	1976	109	62	190	118	24·2
Vauxhall .....	412	20	14	34	13	19·6
St. Paul's .....	346	10	24	27	16	22·2
Exchange .....	278	9	11	12	8	14·3
St. Anne's .....	656	21	20	46	12	15·0
Lime Street .....	330	16	5	15	13	14·8
Castle Street .....	44	2	1	..	1	9·0
St. Peter's .....	158	8	6	9	8	19·6
Pitt Street .....	220	14	4	24	8	22·7
Great George .....	342	21	19	24	10	21·6
Rodney Street .....	429	10	10	24	13	13·2
Abercromby .....	380	16	14	15	12	15·0
Liverpool Workhouse Hospital .....	1344	53	70	47	62	17·2
Royal Infirmary .....	206	..	2	1	5	3·8
Children's Infirmary .....	43	1	1	..	2	9·3
Lying-in Hospital .....	7	..	..	..	..	..
North Hospital .....	164	..	..	..	..	..
Stanley Hospital .....	13	..	..	..	..	..
Everton Hospital .....	19	6	5	5	3	100·0
Royal South Hospital .....	134	1	2	2	..	3·7
West Derby Union Hospital .....	204	14	7	3	1	12·2
Everton and Kirkdale .....	3281	143	98	275	151	20·3
West Derby .....	1225	53	41	81	51	18·4
North Toxteth .....	966	49	31	59	59	20·5
South Toxteth .....	996	41	43	82	63	23·0
Parish .....	7335	310	263	468	301	18·2
Out-Townships .....	6838	307	227	507	328	20·0
Borough .....	14173	617	490	975	629	19·1

## TYPHUS AND INFANTILE REMITTENT FEVER.

These diseases accounted within the Borough of Liverpool for 490 deaths, or for 318 in the Parish and 172 in the Out-Townships. The rate of their mortality was equal to 0·9 per 1,000 per annum of the estimated population. Their percentage rate relatively to deaths from all causes was 3·2 during the first, 3·9 during the second, 3·3 during the third, and 3·3 during the fourth quarter of the year. Their annual rate relatively to deaths from all causes was 3·4 per cent., and relatively to deaths from zymotic causes 18·0 per cent. Their deaths included 258 males and 232 females; 94 persons below the age of 15, 124 between the ages of 15 and 30, and 272 above the age of 30.



Every form of continued fever is included under the generic term of typhus ; but the registers of deaths attribute 12 cases to gastric fever, 109 to typhoid fever, 22 to enteric fever, 6 to continued fever, 4 to relapsing fever, 2 to brain fever, and 273 to typhus. Under the term of fever there were registered 37 deaths, under that of febris 8 deaths, and under that of febricula 4 deaths. The deaths registered under the term of infantile remittent amounted to 13.

The following tables are in themselves sufficiently explanatory. The first compares the averages of deaths from typhus during the preceding ten years with those during 1875 ; the second table shows the districts of the town and the periods of the year in which all forms of continued fever were most fatally prevalent ; the third marks in streets the habitats of the disease ; and the remaining tables the occupations and positions of its victims.

WARDS.	Exact Average of Fever Deaths for Pre- ceding Ten Years.	Deaths from Fever during the Year 1875.
Scotland .....	112	38
Vauxhall .....	31	8
St. Paul's .....	16	7
Exchange .....	14	8
St. Anne's .....	37	17
Lime Street .....	12	19
Castle Street .....	3	..
St. Peter's .....	5	8
Pitt Street .....	10	8
Great George .....	18	14
Rodney Street .....	15	3
Abercromby .....	19	7
Everton and Kirkdale .....	113	78
West Derby .....	35	21
North Toxteth .....	44	19
South Toxteth .....	56	28
Hospital Deaths .....	324	207
Total .....	864	490

In the above table the averages have been calculated without making allowance for increase of population.



DEATHS FROM TYPHUS AND INFANTILE  
REMITTENT FEVER.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL
Scotland .....	{ Below 5 years ..	2	1	..	2	1	1	..	1	3	5	8
	{ Above 5 years ..	5	2	2	9	1	5	4	2	12	18	30
Vauxhall .....	{ Below 5 years ..	..	1	..	1	..	..	..	..	..	2	2
	{ Above 5 years ..	1	1	2	..	2	..	..	..	5	1	6
St. Paul's .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	2	1	1	1	..	..	2	3	4	7	7
Exchange .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	3	2	1	1	..	1	..	..	4	4	8
St. Anne's .....	{ Below 5 years ..	..	1	1	..	..	..	..	..	1	1	2
	{ Above 5 years ..	1	4	5	1	1	1	1	1	8	7	15
Lime Street .....	{ Below 5 years ..	2	..	..	1	..	..	1	..	3	1	4
	{ Above 5 years ..	2	3	1	..	1	4	3	1	7	8	15
Castle Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's .....	{ Below 5 years ..	1	..	..	..	1	..	..	1	2	1	3
	{ Above 5 years ..	1	1	..	..	1	..	2	..	4	1	5
Pitt Street .....	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years ..	3	3	1	..	..	..	..	..	4	3	7
Great George .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	2	3	3	3	..	2	..	1	5	9	14
Rodney Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	1	1	..	..	..	1	..	..	1	2	3
Abercromby .....	{ Below 5 years ..	..	1	..	..	..	..	..	..	..	1	1
	{ Above 5 years ..	1	1	..	1	..	..	1	2	2	4	6
Parish Workhouses and Hospitals .....	{ Below 5 years ..	..	..	2	..	..	..	1	..	3	..	3
	{ Above 5 years ..	14	18	37	19	22	16	29	23	102	76	178
Out-Township Workhouses and Hospitals.	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	5	8	3	2	4	1	1	2	13	13	26
Everton and Kirkdale	{ Below 5 years ..	3	1	1	1	1	2	1	..	6	4	10
	{ Above 5 years ..	8	6	3	10	16	10	7	8	34	34	68
West Derby .....	{ Below 5 years ..	..	..	..	2	..	1	..	1	..	4	4
	{ Above 5 years ..	3	2	2	2	3	..	3	2	11	6	17
North Toxteth .....	{ Below 5 years ..	..	1	1	..	..	..	1	..	2	1	3
	{ Above 5 years ..	2	5	2	1	1	2	1	2	6	10	16
South Toxteth .....	{ Below 5 years ..	..	1	1	..	..	1	1	..	2	2	4
	{ Above 5 years ..	9	..	..	..	2	6	3	4	14	10	24
Parish .....	{ Below 5 years ..	5	4	3	4	2	1	3	2	13	11	24
	{ Above 5 years ..	36	40	53	35	28	30	40	32	157	137	294
Out-Townships .....	{ Below 5 years ..	3	3	3	3	1	4	3	1	10	11	21
	{ Above 5 years ..	27	21	10	15	26	19	15	18	78	73	151
Borough .....	{ Below 5 years ..	8	7	6	7	3	5	6	3	23	22	45
	{ Above 5 years ..	63	61	63	50	54	49	55	50	235	210	245



List of Streets in the Borough wherein Three or more Deaths from Typhus and Infantile Fever occurred in 1875.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE OUT-TOWNSHIPS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Addison .....	..	4	4	Back Strickland .....	3	..	3
Arley .....	2	2	4	Beaufort .....	5	..	5
Athol .....	7	..	7	Combermere .....	1	2	3
Blackstock .....	..	3	3	Cornwall .....	3	..	3
Blandford .....	2	4	6	Haigh .....	6	..	6
Blenheim .....	..	3	3	Henderson .....	..	3	3
Duckinfield .....	2	1	3	Hyslop .....	1	2	3
Edward .....	3	2	5	Mann .....	5	4	9
Great Crosshall .....	5	..	5	Park Road .....	4	..	4
Greenland .....	5	..	5	Prince Edwin Lane ..	..	3	3
Kew .....	2	1	3	Stitt .....	7	..	7
Norfolk .....	2	1	3				
Oakes .....	1	5	6				
Pall Mall .....	..	3	3				
Richmond Row .....	1	2	3				
Rose Place .....	..	3	3				
Smithfield .....	2	1	3				
Sparling .....	1	5	6				
Upper Frederick .....	2	1	3				
Upper Milk .....	3	1	4				

Occupations of Persons who (either themselves or members of their family) have died from Typhus and Infantile Fever in the Workhouses or Hospitals of the Borough, tabulated into Wards from whence they came, during the Year 1875.

LIVERPOOL WORKHOUSE.

OCCU- PATIONS.	WARDS.															TOTAL.
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime Street.	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby.	*Everton and Kirkdale.	*West Derby.	South Toxteth.	Unknown.	
Labourers ..	10	6	7	3	4	5	3	4	2	3	4	20	2	..	17	90
Tradesmen ..	2	4	..	1	5	4	..	3	2	3	6	2	5	1	8	46
Servants ....	..	1	1	2	3	1	1	..	1	1	1	2	2	..	3	19
Seamen ....	2	1	..	..	..	..	..	2	1	1	1	1	..	..	2	11
Soldiers ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Unknown ..	1	..	1	..	1	1	..	1	..	..	1	2	..	..	3	11
Males ..	9	10	5	4	6	6	3	5	3	6	3	15	6	1	22	104
Females..	6	2	4	2	7	5	1	5	3	2	10	12	3	..	12	74
Total ....	15	12	9	6	13	11	4	10	6	8	13	27	9	1	34	178

\* During the greater part of the year 1875 the Fever Patients belonging to the West Derby Board of Guardians were by arrangement brought to the Parish Workhouse Hospital, because of the rebuilding of part of the West Derby Union Hospital at Mill Road.



## ROYAL INFIRMARY.

One Male, a Labourer, residence unknown.

One Female, Wife of an Engineer, residence unknown.

One Female, residence unknown.

## UNION WORKHOUSE.

OCCUPATIONS.	WARDS.			TOTAL.
	Everton and Kirkdale.	West Derby.	Unknown.	
Labourers .....	1	1	..	2
Tradesmen .....	2	1	1	4
Servants .....	2	..	..	2
Unknown.....	1	..	..	1
Males .....	3	1	..	4
Females .....	3	1	1	5
Total.....	6	2	1	9

## EVERTON HOSPITAL.

OCCUPATIONS.	WARDS.							TOTAL.
	Scotland.	St. Paul's.	St. Anne's.	Rodney St.	Everton and Kirkdale.	West Derby.	North Torteth.	
Labourers .....	2	1	1	..	..	1	1	6
Tradesmen .....	1	1	..	1	2	3	1	9
Sanitary Inspector .....	..	..	..	..	..	1	..	1
Servant .....	..	..	..	1	..	..	..	1
Males .....	2	1	..	1	2	2	1	9
Females .....	1	1	1	1	..	3	1	8
Total .....	3	2	1	2	2	5	2	17

Occupations of Persons who (either themselves or members of their family) have died from Typhus and Infantile Fever in the different Wards of the Borough during the Year 1875. (Not included in the foregoing Tables of Deaths in Workhouses and Hospitals.)

OCCUPATIONS.	WARDS.																TOTAL.
	Scotland.	Vauxhall	St Paul's.	Exchange.	St. Anne's.	Lime Street.	Castle Street.	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby.	Everton and Kirkdale.	West Derby.	North Toxteth.	South Toxteth.	
Labourers .....	22	6	4	4	5	3	..	1	5	7	..	..	14	7	3	15	96
Tradesmen .....	13	2	1	4	9	14	..	5	3	4	1	7	44	7	11	11	136
Servants .....	..	..	..	..	1	..	..	..	..	..	..	..	2	2	..	..	5
Seamen .....	3	..	2	..	1	..	..	2	..	3	1	..	10	1	2	2	27
Professions and Mercantile .....	..	..	..	..	1	2	..	..	..	..	1	..	7	4	3	..	18
Soldiers .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Males .....	15	5	3	4	9	10	..	6	5	5	1	2	40	11	8	16	140
Females .....	23	3	4	4	8	9	..	2	3	9	2	5	38	10	11	12	143
Total .....	38	8	7	8	17	19	..	8	8	14	3	7	78	21	19	28	283

#### TOXTETH WORKHOUSE.

Not included in the Mortality of the Borough, being beyond the Municipal Boundaries.

OCCUPATIONS.	WARDS.			Total.
	North Toxteth.	South Toxteth.	Unknown.	
Labourers .....	2	5	1	8
Tradesmen .....	2	5	1	8
Servant .....	1	..	..	1
Unknown .....	1	1	1	3
Males .....	2	6	3	11
Females .....	4	5	..	9
Total .....	6	11	3	20

#### SCARLATINA.

Scarlatina accounted during the year for 468 deaths, or for 210 in the Parish, and 258 in the Out-townships. The rate of its mortality was equal to 0.9 per 1,000 per annum of the estimated population. Its rate relatively to deaths from all causes was 4.2 per cent. in the first quarter, 2.7 in the second, 2.9 in



the third, and 3.0 in the fourth quarter of the year; its annual rate relatively to all deaths was 3.3 per cent., and relatively to deaths from zymotic causes 17.2 per cent.

The first of the following tables gives a statistical history of the mortality of Scarlatina during the year 1875; the second is a record of the streets of the Borough wherein 3 or more deaths occurred from that disease.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland .....	{ Below 5 years ..	20	19	8	6	4	7	10	8	42	40	82
	{ Above 5 years ..	4	5	1	..	1	2	1	3	7	10	17
Vauxhall .....	{ Below 5 years ..	1	3	..	..	..	2	2	..	3	5	8
	{ Above 5 years ..	..	3	..	..	..	..	..	..	..	3	3
St. Paul's .....	{ Below 5 years ..	..	1	5	5	4	1	1	3	10	10	20
	{ Above 5 years ..	1	..	2	2	2	1	1	2	6	5	11
Exchange .....	{ Below 5 years ..	2	1	1	..	..	..	1	..	4	1	5
	{ Above 5 years ..	..	..	1	..	..	..	1	..	2	..	2
St. Anne's .....	{ Below 5 years ..	1	1	..	..	2	..	..	..	3	1	4
	{ Above 5 years ..	..	..	..	..	..	1	1	..	1	1	2
Lime Street .....	{ Below 5 years ..	2	3	..	..	..	..	..	..	2	3	5
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Castle Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's .....	{ Below 5 years ..	2	1	..	1	..	1	1	..	3	3	6
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street .....	{ Below 5 years ..	2	2	..	..	1	1	..	1	3	4	7
	{ Above 5 years ..	1	..	..	..	1	..	..	..	2	..	2
Great George .....	{ Below 5 years ..	3	1	..	..	4	2	1	2	8	5	13
	{ Above 5 years ..	..	..	1	..	..	1	..	..	1	1	2
Rodney Street .....	{ Below 5 years ..	1	1	..	2	1	1	..	1	2	5	7
	{ Above 5 years ..	1	..	..	..	1	..	1	..	3	..	3
Abercromby .....	{ Below 5 years ..	4	..	..	..	..	..	1	..	5	..	5
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Parish Workhouses and Hospitals .....	{ Below 5 years ..	..	1	..	..	..	..	2	..	3	..	3
	{ Above 5 years ..	..	2	1	..	..	..	..	1	2	..	3
Out-Township Workhouses and Hospitals .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	1	1	..	..	..	..	..	1	1	..	2
Everton and Kirkdale ..	{ Below 5 years ..	15	19	5	10	5	6	6	3	31	38	69
	{ Above 5 years ..	8	2	..	3	2	2	1	1	11	8	19
West Derby .....	{ Below 5 years ..	7	3	3	5	9	2	4	5	23	15	38
	{ Above 5 years ..	..	2	..	..	4	..	1	1	5	3	8
North Toxteth .....	{ Below 5 years ..	3	10	5	3	3	2	7	4	18	19	37
	{ Above 5 years ..	5	1	2	..	2	..	1	1	10	2	12
South Toxteth .....	{ Below 5 years ..	8	4	5	6	9	7	10	4	32	21	53
	{ Above 5 years ..	1	..	3	2	2	1	4	7	10	10	20
Parish .....	{ Below 5 years ..	38	34	14	14	16	15	17	17	85	80	165
	{ Above 5 years ..	7	10	6	2	5	5	5	5	23	22	45
Out-Townships .....	{ Below 5 years ..	33	36	18	24	26	17	27	16	104	93	197
	{ Above 5 years ..	15	6	5	5	10	3	7	10	37	24	61
Borough .....	{ Below 5 years ..	71	70	32	38	42	32	44	33	189	173	362
	{ Above 5 years ..	22	16	11	7	15	8	12	15	60	46	106



List of Streets in the Borough wherein Three or more Deaths  
from Scarlatina occurred in 1875.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE OUT-TOWNSHIPS.	HOUSES.		Total.
	Front.	Court.			Front	Court.	
Ascot .....	7	...	7	Beaufort.....	7	1	8
Ashfield .....	1	2	3	Blair .....	...	3	3
Blenheim .....	...	4	4	Chapel Place .....	3	...	3
Bostock .....	4	...	4	Chapman .....	4	...	4
Burlington.....	2	1	3	Edgeware .....	4	...	4
Denison .....	3	...	3	Ethiopia .....	3	...	3
Epsom.....	4	...	4	Grafton .....	3	2	5
Great George Place .....	1	2	3	Grinfield.....	3	...	3
Highfield .....	1	2	3	Homer .....	3	...	3
Hornby .....	3	1	4	Hughson.....	2	1	3
Latimer .....	3	...	3	Janet .....	3	...	3
Paget .....	3	...	3	Mann .....	3	2	5
Pitt .....	2	1	3	Milford .....	6	...	6
Portland.....	1	2	3	Northumberland ..	3	1	4
Pownall Square.....	...	3	3	Park Place.....	...	3	3
Scotland Road .....	4	...	4	Stanhope .....	1	2	3
Upper Frederick .....	2	1	3				
Upper Milk .....	3	...	3				
Westmoreland .....	5	...	5				

## MEASLES

Occasioned 117 deaths, of which 53 occurred in the Parish, and 64 in the Out-Townships. Its percentage death-rate relatively to deaths from all causes was 0·6 in the first quarter of the year, 0·3 in the second, 0·4 in the third, and 1·8 in the fourth; its annual percentage rate relatively to deaths from all causes was 0·8, and relatively to deaths from Zymotic causes 4·3.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	{ Below 5 years	3	2	..	1	..	1	6	8	9	12	21
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Vauxhall	{ Below 5 years	..	2	1	1	1	..	..	..	2	3	5
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
St. Paul's	{ Below 5 years	..	..	..	..	1	2	..	..	1	2	3
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Exchange	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
St. Anne's	{ Below 5 years	2	2	..	..	..	..	..	..	2	2	4
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Lime Street	{ Below 5 years	1	2	..	..	..	..	..	..	1	2	3
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Castle Street	{ Below 5 years	..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	{ Below 5 years	..	1	..	..	..	..	..	..	..	1	1
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Pitt Street	{ Below 5 years	2	..	..	..	..	..	..	..	2	..	2
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Great George	{ Below 5 years	2	..	..	..	..	..	3	1	5	1	6
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Rodney Street	{ Below 5 years	1	..	..	1	..	..	4	2	4	4	6
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Abercromby	{ Below 5 years	..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Parish Workhouses and Hospitals	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Out-Townships Workhouses and Hospitals	{ Below 5 years	1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Everton and Kirkdale	{ Below 5 years	2	4	1	3	7	1	14	11	24	19	43
	{ Above 5 years	..	..	..	..	..	..	1	..	1	..	1
West Derby	{ Below 5 years	1	..	3	1	..	..	..	4	1	..	5
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
North Toxteth	{ Below 5 years	..	..	..	..	..	..	5	4	5	4	9
	{ Above 5 years	..	..	..	..	..	..	1	..	1	..	1
South Toxteth	{ Below 5 years	..	..	..	..	1	1	1	1	2	3	3
	{ Above 5 years	..	1	..	..	..	..	..	..	1	..	1
Parish	{ Below 5 years	11	9	1	2	3	3	10	14	25	28	53
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Out-Townships	{ Below 5 years	4	4	4	4	7	2	20	16	35	26	61
	{ Above 5 years	..	1	..	..	..	..	2	..	3	..	3
Borough	{ Below 5 years	15	13	5	6	10	5	30	30	60	54	114
	{ Above 5 years	..	1	..	..	..	..	2	..	3	..	3



## DIARRHŒA

Accounted for 842 deaths, or for 407 in the Parish, and 435 in the Out-townships. Its percentage death-rate relatively to deaths from all causes was 0·8 in the first quarter of the year, 3·2 in the second, 17·8 in the third, and 3·1 in the fourth quarter of the year. Its annual percentage death-rate relatively to deaths from all causes was 5·9, and relatively to deaths from zymotic causes 31·0.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	{	Below 5 years	3	2	3	3	77	53	7	12	90	70	160
	{	Above 5 years	..	..	2	2	4	3	3	2	9	7	16
Vauxhall	{	Below 5 years	..	..	2	2	14	12	1	4	17	18	35
	{	Above 5 years	..	1	1	..	..	..	..	1	1	2	
St. Paul's	{	Below 5 years	1	..	1	..	5	7	2	3	9	10	19
	{	Above 5 years	..	1	..	..	1	1	..	..	1	2	3
Exchange	{	Below 5 years	1	..	1	3	3	4	1	1	6	8	14
	{	Above 5 years	..	..	..	..	..	1	..	..	..	1	1
St. Anne's	{	Below 5 years	..	1	2	1	18	18	1	1	21	21	42
	{	Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Lime Street	{	Below 5 years	..	..	..	..	3	4	1	1	4	5	9
	{	Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Castle Street	{	Below 5 years	..	..	1	..	..	..	..	..	1	..	1
	{	Above 5 years	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	{	Below 5 years	..	..	..	2	1	2	..	..	1	4	5
	{	Above 5 years	..	..	..	..	..	1	1	..	1	1	2
Pitt Street	{	Below 5 years	..	..	1	2	7	8	2	..	10	10	20
	{	Above 5 years	..	..	..	..	1	2	..	..	1	2	3
Gt. George	{	Below 5 years	..	1	1	2	4	6	..	..	5	9	14
	{	Above 5 years	..	..	1	..	1	..	..	..	2	..	2
Rodney Street	{	Below 5 years	..	..	3	1	8	5	..	..	11	6	17
	{	Above 5 years	..	..	..	..	..	1	1	..	1	1	2
Abercromby	{	Below 5 years	..	2	3	2	4	4	1	1	8	9	17
	{	Above 5 years	..	1	..	1	..	2	..	..	4	4	4
Parish Workhouse and Hospitals	{	Below 5 years	..	..	1	1	1	..	..	..	2	1	3
	{	Above 5 years	3	2	3	1	1	3	1	2	8	8	16
Out-Townships Workhouse and Hospitals	{	Below 5 years	..	..	..	..	..	..	1	..	1	..	1
	{	Above 5 years	1	..	1	..	..	1	..	..	2	1	3
Everton and Kirkdale	{	Below 5 years	0	2	9	6	85	78	10	8	110	94	204
	{	Above 5 years	..	1	2	2	3	9	..	..	5	12	17
West Derby	{	Below 5 years	2	..	5	4	25	23	2	8	34	35	69
	{	Above 5 years	..	..	1	..	1	1	..	1	2	2	4
North Toxteth	{	Below 5 years	2	..	3	6	22	13	8	3	35	22	57
	{	Above 5 years	..	..	1	..	..	1	1	..	2	1	3
South Toxteth	{	Below 5 years	..	1	6	7	14	22	10	5	30	35	65
	{	Above 5 years	1	2	..	2	2	4	1	..	4	8	12
Parish	{	Below 5 years	5	6	19	19	145	123	16	23	185	171	356
	{	Above 5 years	3	5	7	4	8	14	6	4	24	27	51
Out-Townships	{	Below 5 years	10	3	23	23	146	136	31	24	210	186	396
	{	Above 5 years	2	3	5	4	6	16	2	1	15	24	39
Borough	{	Below 5 years	15	9	42	42	291	259	47	47	395	357	752
	{	Above 5 years	5	8	12	8	14	30	8	5	39	51	90



List of Streets in the Borough of Liverpool wherein Three or more Deaths from Diarrhoea occurred during the Year 1875.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE OUT-TOWNSHIPS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Beau .....	3	1	4	Arkwright .....	5	1	6
Blenheim .....	1	2	3	Arlington .....	3	..	3
Bond .....	1	2	3	Barry .....	3	..	3
Bostock .....	4	..	4	Beatrice .....	4	..	4
Burlington .....	2	4	6	Beaufort .....	10	1	11
Carlton .....	..	3	3	China .....	4	..	4
Collingwood .....	..	5	5	Darnley .....	2	2	4
Doncaster .....	3	..	3	Dinorben .....	3	..	3
Eldon .....	3	2	5	Elias .....	3	..	3
Gerard.....	3	..	3	Field .....	3	..	3
Gildart's Gardens .....	1	3	4	Forth .....	3	..	3
Hopwood .....	2	1	3	Gordon .....	6	..	6
Hornby .....	..	5	5	Gore .....	4	1	5
Latimer .....	3	..	3	Grafton .....	4	2	6
McKee .....	1	2	3	Great Homer .....	4	3	7
Newsham ....	..	3	3	Henderson .....	1	2	3
Paget .....	3	..	3	Howe .....	3	..	3
Penrhyn .....	3	..	3	Laxey .....	3	1	4
Pitt .....	7	..	7	Leyden .....	3	..	3
Raymond .....	4	1	5	Linden .....	5	..	5
Richmond Row.....	3	1	4	Mann .....	2	4	6
Roscoe Lane .....	2	1	3	Northumberland .....	3	1	4
Rose Place .....	2	1	3	Prince Edwin Lane ....	1	2	3
Slade .....	2	1	3	Prince William.....	..	3	3
Silvester .....	4	..	4	Robsart .....	3	..	3
Upper Frederick .....	3	..	3	Sackville.....	3	..	3
Vauxhall Road .....	5	..	5	Stanley Road.....	3	..	3
Virgil .....	3	1	4	Tunnel Road .....	4	..	4
				Walton Road.....	3	..	3



## DIARRHŒA IN DATES OF DEATH, 1875.

DATE. June.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.		WIND.	
				Amount in inches.	Hours.	Mean Daily Velocity in Miles.	DIRECTION.
1	..	30.221	59.2	..	..	271	E & SE
2	1	30.213	60.9	..	..	537	E & NE
3	1	30.000	67.6	0.078	2.2	250	E & SE
4	1	29.922	56.7	..	..	365	W
5	2	29.943	59.9	0.030	1.1	168	W & NW
6	2	29.815	59.7	0.152	2.8	447	SW & S
7	2	29.958	59.3	..	..	536	SW
8	..	30.151	57.0	..	..	335	W & NW
9	1	29.751	57.9	0.172	2.5	388	E & SE
10	4	29.535	53.7	0.347	4.2	407	SW
11	1	29.515	52.3	0.019	0.7	527	SW & W
12	2	29.550	52.6	0.165	2.0	314	SW & W
13	2	29.575	52.6	0.250	5.0	248	SW & SE
14	2	29.385	55.2	0.163	2.3	493	S & SW
15	1	29.217	52.9	0.059	1.5	516	S & SW
16	3	29.425	53.8	0.029	0.6	562	SW & W
17	3	29.795	55.2	..	..	360	W & NW
18	5	30.055	53.0	..	..	313	W & NW
19	1	30.067	59.0	0.128	4.2	288	SW & S
20	2	29.916	54.8	..	..	325	W & NW
21	1	29.870	55.4	..	..	329	W & NW
22	2	30.085	59.1	..	..	355	SW & W
23	1	30.175	58.9	..	..	368	W
24	1	30.201	61.6	..	..	186	W & NW
25	..	29.999	61.1	0.057	0.7	275	SW & S
26	1	29.901	55.1	..	..	543	W
27	2	29.918	55.7	0.276	7.0	328	SE & S
28	1	29.802	58.8	0.026	0.5	322	SE & E
29	2	29.878	61.1	0.152	4.0	339	E & NE
30	5	29.821	59.0	0.080	1.8	137	NE

## DIARRHŒA IN DATES OF DEATH, 1875.

DATE. July.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.		Mean Daily Velocity in Miles.	WIND.  DIRECTION.
				Amount in inches.	Hours.		
1	1	29.655	63.3	0.522	5.0	254	SE
2	..	29.685	59.6	0.192	0.5	363	W
3	1	30.008	56.1	0.397	5.6	360	N & NE
4	2	30.348	58.4	..	..	257	NE & NW
5	3	30.377	59.9	..	..	321	W & NW
6	2	30.370	58.9	..	..	200	W & NW
7	3	30.285	63.9	..	..	163	SE & NW
8	3	30.023	57.7	0.121	2.3	209	W
9	4	29.558	55.9	0.406	7.6	277	S & W
10	3	29.520	54.9	0.143	3.2	746	W & SW
11	3	29.498	54.8	0.015	0.6	664	W
12	3	30.008	54.8	..	..	785	W & NW
13	3	30.113	56.7	0.115	1.8	176	W & SW
14	3	29.874	55.1	0.430	11.3	530	E & SE
15	3	29.786	56.0	..	..	760	NE
16	3	29.981	58.5	..	..	352	NE
17	3	29.953	61.4	0.167	1.8	240	N & NE
18	1	29.795	63.1	0.007	0.1	375	NE & E
19	8	29.834	61.3	1.000	13.0	154	E
20	1	29.913	59.5	0.293	5.3	343	W & E
21	4	29.927	59.9	..	..	414	W
22	4	29.787	59.3	0.005	0.3	309	W
23	3	29.628	57.8	0.184	7.4	243	SW & W
24	5	29.658	54.8	0.006	0.2	488	W
25	4	29.924	55.2	0.003	0.2	479	W
26	6	30.253	56.0	..	..	189	W & NW
27	3	30.329	61.6	..	..	179	SE & Var.
28	4	30.338	62.6	..	..	257	E & SE
29	10	30.268	65.2	0.074	1.1	252	E & SE
30	10	30.193	57.4	..	..	649	W & NW
31	9	30.181	56.9	..	..	383	NW



## DIARRHŒA IN DATES OF DEATH, 1875.

DATE. August.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.		Mean Daily Velocity in Miles.	WIND.  DIRECTION.
				Amount in inches.	Hours.		
1	9	30.218	58.4	..	..	163	SE & Var
2	6	30.223	61.5	..	..	179	SE & W
3	5	30.144	58.8	0.020	1.5	131	E & NW
4	7	30.169	57.9	0.008	0.3	146	E & NE
5	9	30.145	58.9	0.340	2.8	259	N
6	7	30.055	59.4	0.154	2.0	303	N & NE
7	12	30.048	62.1	0.108	1.8	281	E & NE
8	9	30.023	64.8	0.202	2.2	232	E
9	10	29.759	64.0	0.222	2.8	325	E
10	4	29.702	61.6	0.403	4.8	383	SE & S
11	10	29.798	63.6	0.018	0.6	318	SW
12	9	29.749	62.9	0.178	1.1	168	SE & E
13	5	29.805	63.8	0.317	0.6	133	E & Var
14	10	29.988	62.7	0.188	2.3	279	SE & W
15	4	30.094	66.0	..	..	202	SE & W
16	10	29.965	66.5	..	..	335	SE & S
17	10	29.877	62.5	0.011	0.7	365	W
18	9	29.988	60.8	..	..	378	W & SW
19	9	30.181	59.5	..	..	184	W & NW
20	3	30.252	60.0	..	..	244	W & NW
21	12	30.291	62.8	..	..	341	SW & W
22	9	30.208	62.4	..	..	274	SW & W
23	13	30.009	61.1	0.240	5.5	192	SW & S
24	5	29.832	59.4	0.088	1.5	195	S & SE
25	12	29.751	62.7	..	..	487	S & SW
26	7	29.876	60.4	..	..	519	SW
27	12	30.119	58.7	..	..	368	W & SW
28	9	30.058	59.0	0.020	1.7	159	S & SE
29	11	29.946	60.0	..	..	272	W
30	9	29.969	58.9	0.078	0.9	615	W & SW
31	16	30.035	55.9	..	..	755	W

## DIARRHŒA IN DATES OF DEATH, 1875.

DATE. Sept.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.		Mean Daily Velocity in Miles.	WIND.  DIRECTION.
				Amount in Inches.	Hours.		
1	12	30.202	61.4	..	..	202	SE & S
2	7	30.053	63.3	1.004	8.0	352	SE & S
3	7	29.890	59.5	0.073	0.7	547	W
4	8	30.063	60.5	..	..	542	W & SW.
5	11	30.225	60.8	..	..	320	W
6	10	30.243	60.4	..	..	190	SE
7	7	30.011	65.7	..	..	344	SE
8	10	29.874	59.1	0.774	9.1	242	SE & NW
9	7	29.816	57.6	0.028	0.8	269	W & SE
10	8	29.954	59.3	..	..	234	W & SE
11	8	30.233	58.6	..	..	142	NW & W
12	7	30.345	60.1	..	..	144	E & SE
13	9	30.304	62.6	..	..	274	E & SE
14	4	30.297	61.5	..	..	391	E & NE
15	4	30.245	58.8	..	..	435	E & NE
16	5	30.138	61.0	..	..	454	E & NE
17	2	30.080	64.5	..	..	234	E & SE
18	4	30.092	60.3	0.037	1.5	347	E & SE
19	9	29.987	64.4	0.777	5.6	296	E
20	3	29.914	59.5	0.010	0.3	150	W & SW
21	7	29.846	58.0	0.692	10.0	261	SE & E
22	4	29.811	53.7	0.038	0.2	478	E & NE
23	3	30.098	51.8	0.388	7.6	522	E
24	7	29.969	56.3	0.070	2.1	815	E & SE
25	4	29.813	57.4	0.008	0.2	488	SW & SE
26	9	29.573	56.0	0.099	2.4	660	S & SE
27	8	29.495	54.3	0.137	1.7	1042	W & SW
28	6	29.602	53.9	0.007	0.2	812	W
29	9	29.752	54.2	0.190	1.5	767	W
30	3	29.972	55.0	0.050	2.0	508	W & NW



## DIARRHŒA IN DATES OF DEATH, 1875.

DATE. October	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.		WIND.	
				Amount in inches.	Hours.	Mean Daily Velocity in Miles.	DIRECTION.
1	6	29.798	57.7	0.208	3.0	379	SW
2	3	29.708	51.9	0.161	3.0	472	W
3	2	29.659	53.9	0.188	4.4	489	S & SW
4	8	29.665	58.3	0.069	0.7	572	SW & W
5	2	29.869	54.3	..	..	800	SW & W
6	3	30.266	53.9	..	..	847	SW & W
7	2	30.253	56.0	0.005	0.3	679	SW & W
8	1	29.933	53.3	0.190	4.5	331	S
9	5	29.714	47.0	0.160	0.9	453	NW
10	2	29.686	48.7	0.700	7.1	419	SW
11	2	29.205	46.4	0.395	6.8	463	W
12	2	29.306	42.5	0.085	0.8	260	W
13	6	29.280	45.1	..	..	187	E & SE
14	2	29.429	47.3	0.040	1.0	300	N & NE
15	2	29.659	45.6	..	..	271	NE
16	4	29.713	45.9	0.020	0.5	132	NE & NW
17	7	29.734	48.3	0.137	2.4	437	E & SE
18	5	29.775	49.8	0.303	5.2	629	E
19	6	29.709	46.6	0.538	6.3	628	E
20	2	29.525	47.9	0.827	12.3	433	E
21	1	29.420	51.4	0.340	8.2	367	SE
22	1	29.425	47.8	0.080	2.6	359	SE
23	1	29.540	50.4	0.004	0.2	226	NE
24	..	30.027	45.2	..	..	239	E
25	1	30.125	45.1	..	..	317	SE
26	..	29.928	44.6	0.120	3.9	590	E & SE
27	2	29.752	42.9	0.153	5.5	704	E
28	2	29.945	43.1	0.105	6.5	371	E
29	1	30.063	44.4	..	..	333	E
30	2	29.947	41.0	..	..	474	E & SE
31	..	29.880	42.1	..	..	327	E



## HOOPING COUGH

Occasioned 365 deaths, or 151 in the Parish and 214 in the Out-Townships. Its percentage death-rate relatively to deaths from all causes was 2.0 in the first quarter of the year, 2.1 in the second, 1.9 in the third, and 4.2 in the fourth; its percentage rate relatively to deaths from all causes was 2.5, and relatively to deaths from Zymotic causes 13.4.

## DEATHS FROM HOOPING COUGH.

WARDS.		QUARTERS,								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	{ Below 5 years ..	11	5	3	5	4	5	15	21	33	36	69
	{ Above 5 years ..											
Vauxhall	{ Below 5 years ..	1	2		1	1	1	1	1	3	5	8
	{ Above 5 years ..											
St. Paul's	{ Below 5 years ..	1	2	1	3	1				3	5	8
	{ Above 5 years ..											
Exchange	{ Below 5 years ..							1		1		1
	{ Above 5 years ..					1				1		1
St. Anne's	{ Below 5 years ..	2	1	3	6			1	1	6	8	14
	{ Above 5 years ..					1				1		1
Lime Street	{ Below 5 years ..			1	1	1		1	3	3	4	7
	{ Above 5 years ..											
Castle Street	{ Below 5 years ..											
	{ Above 5 years ..											
St. Peter's	{ Below 5 years ..	1					1	2	1	3	2	5
	{ Above 5 years ..											
Pitt Street	{ Below 5 years ..					2		1	2	3	2	5
	{ Above 5 years ..											
Great George	{ Below 5 years ..	2	2	1	4	1	2	1	1	5	9	14
	{ Above 5 years ..											
Rodney Street	{ Below 5 years ..		2	1				2	2	3	4	7
	{ Above 5 years ..											
Abercromby	{ Below 5 years ..			1	2	1	1		3	2	6	8
	{ Above 5 years ..											
Parish Workhouses and Hospitals	{ Below 5 years ..		1		1				1		3	3
	{ Above 5 years ..											
Out-Township Workhouses and Hospitals.	{ Below 5 years ..											
	{ Above 5 years ..											
Everton and Kirkdale.	{ Below 5 years ..	11	11	10	8	11	17	23	35	55	71	126
	{ Above 5 years ..					1		1		2		2
West Derby	{ Below 5 years ..	7	15	5	1	3	4	8	5	23	25	48
	{ Above 5 years ..								1		1	1
North Toxteth	{ Below 5 years ..	3	4	1	3		6	2	5	6	18	24
	{ Above 5 years ..											
South Toxteth	{ Below 5 years ..	1	2	1	3	1			5	3	10	13
	{ Above 5 years ..											
Parish	{ Below 5 years ..	18	15	11	23	11	10	24	37	64	85	149
	{ Above 5 years ..					1	1			1	1	2
Out-Townships	{ Below 5 years ..	22	32	17	15	15	27	33	50	87	124	211
	{ Above 5 years ..					1		1	1	2	1	3
Borough	{ Below 5 years ..	40	47	28	38	26	37	57	87	151	209	360
	{ Above 5 years ..					2	1	1	1	3	2	5



## DEATHS FROM CROUP.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland .....	{ Below 5 years ..	3	9	1	5	5	1	3	5	12	20	32
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Vauxhall .....	{ Below 5 years ..	2	..	..	..	..	..	1	2	3	2	5
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Paul's .....	{ Below 5 years ..	..	..	..	1	..	..	1	1	1	2	3
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Exchange .....	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	1	..	1	..	1
St. Anne's .....	{ Below 5 years ..	..	..	..	..	1	1	..	1	1	2	3
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Lime Street .....	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Castle Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's .....	{ Below 5 years ..	..	..	1	..	..	..	..	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Great George .....	{ Below 5 years ..	..	3	..	..	..	..	..	..	..	3	3
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Rodney Street .....	{ Below 5 years ..	..	..	..	1	..	..	..	..	..	1	1
	{ Above 5 years ..	..	..	..	..	1	..	..	..	1	..	1
Abercromby .....	{ Below 5 years ..	..	1	..	1	1	..	1	..	2	2	4
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Parish Workhouses and Hospitals .....	{ Below 5 years ..	..	..	1	..	..	..	..	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Out-Township Workhouses and Hospitals .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Everton and Kirkdale .....	{ Below 5 years ..	5	6	4	7	1	2	6	2	16	17	33
	{ Above 5 years ..	1	1	..	..	..	..	..	..	1	1	2
West Derby .....	{ Below 5 years ..	2	1	..	2	..	..	2	1	4	4	8
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
North Toxteth .....	{ Below 5 years ..	3	1	..	2	..	1	6	3	9	7	16
	{ Above 5 years ..	1	..	..	..	..	..	..	..	1	..	1
South Toxteth .....	{ Below 5 years ..	1	3	..	2	1	4	1	1	3	10	13
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Parish .....	{ Below 5 years ..	5	13	3	8	7	2	8	9	23	32	55
	{ Above 5 years ..	..	..	..	..	1	..	..	1	1	1	2
Out-Townships .....	{ Below 5 years ..	11	11	4	13	2	7	15	7	32	38	70
	{ Above 5 years ..	2	1	..	..	..	..	..	2	1	..	3
Borough .....	{ Below 5 years ..	16	24	7	21	9	9	23	16	55	70	125
	{ Above 5 years ..	2	1	..	..	1	..	..	1	3	2	5

## DEATHS FROM DIPHTHERIA.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland .....	{ Below 5 years ..	1	1	..	..	..	..	..	..	1	1	2
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Vauxhall .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Paul's .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Exchange .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Anne's .....	{ Below 5 years ..	..	..	..	..	1	..	..	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Lime Street .....	{ Below 5 years ..	..	..	..	1	..	..	..	1	..	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Castle Street .....	{ Below 5 years ..	..	1	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Great George .....	{ Below 5 years ..	..	..	1	..	..	..	..	1	..	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Rodney Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	1	..	..	1	..	..	1
Abercromby .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Parish Workhouses and Hospitals .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Out-Township Workhouses and Hospitals .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Everton and Kirkdale ..	{ Below 5 years ..	3	2	..	1	..	..	2	1	5	4	9
	{ Above 5 years ..	..	2	..	1	1	..	..	..	1	3	4
West Derby .....	{ Below 5 years ..	..	..	..	1	..	..	..	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
North Toxteth .....	{ Below 5 years ..	1	..	..	..	..	..	..	1	..	..	1
	{ Above 5 years ..	..	..	..	..	..	1	..	1	..	..	1
South Toxteth .....	{ Below 5 years ..	..	1	..	..	1	..	1	..	3	..	3
	{ Above 5 years ..	..	..	1	..	..	..	..	1	..	..	1
Parish .....	{ Below 5 years ..	1	2	1	..	1	1	..	..	3	3	6
	{ Above 5 years ..	..	..	..	..	1	..	..	..	1	..	1
Out-Townships .....	{ Below 5 years ..	4	3	..	2	..	1	2	2	6	8	14
	{ Above 5 years ..	..	2	1	1	1	..	1	..	3	3	6
Borough .....	{ Below 5 years ..	5	5	1	2	1	2	2	2	9	11	20
	{ Above 5 years ..	..	2	1	1	1	1	1	..	3	4	7



## DEATHS FROM SMALL-POX.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Vauxhall	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Paul's	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Exchange	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Anne's	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Lime Street	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Castle Street	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Great George	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Rodney Street	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Abercromby	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Parish Workhouses and Hospitals	{ Below 5 years ..	1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..	1	..	2	1	..	2	2	..	5	3	8
Out-Townships, Workhouses and Hospitals	{ Below 5 years ..	..	..	1	..	..	..	..	..	1	..	1
	{ Above 5 years ..	..	..	1	1	..	..	..	..	1	1	2
Everton and Kirkdale..	{ Below 5 years ..	3	..	1	1	..	..	..	..	4	1	5
	{ Above 5 years ..	2	..	..	2	..	..	..	..	2	2	4
West Derby	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	1	..	..	..	..	1	..	1	1	2
North Toxteth	{ Below 5 years ..	1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..	2	..	..	..	..	..	..	..	2	..	2
South Toxteth	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	1	..	1	..	..	..	..	..	2	..	2
Parish	{ Below 5 years ..	1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..	1	..	2	1	..	2	2	1	5	4	9
Out-Townships	{ Below 5 years ..	4	..	2	1	..	..	..	..	6	1	7
	{ Above 5 years ..	5	1	2	3	..	..	1	..	8	4	12
Borough	{ Below 5 years ..	5	..	2	1	..	..	..	..	7	1	8
	{ Above 5 years ..	6	1	4	4	..	2	3	1	13	8	21



## OTHER ZYMOTICS.

Under the term of other Zymotics are included:—Chicken Pox, Cholera, Dysentery, Influenza, Erysipelas, Syphilis, Thrush, Puerperal Fever, Rheumatic Fever, Quinsy, Ague, Mumps, Purpura, and Scurvy.

## DEATHS FROM OTHER ZYMOTICS.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland .....	{ Below 5 years ..	4	5	3	5	6	2	2	3	15	15	30
	{ Above 5 years ..	1	1	..	1	1	6	1	1	3	9	12
Vauxhall .....	{ Below 5 years ..	..	1	..	2	..	1	1	..	1	4	5
	{ Above 5 years ..	..	1	..	..	..	..	..	..	1	1	2
St. Paul's .....	{ Below 5 years ..	..	..	2	..	1	..	..	..	3	..	3
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Exchange .....	{ Below 5 years ..	..	..	1	1	1	1	..	1	2	3	5
	{ Above 5 years ..	..	..	1	..	..	..	..	..	1	..	1
St. Anne's .....	{ Below 5 years ..	2	2	..	1	..	..	3	..	5	3	8
	{ Above 5 years ..	..	1	..	..	..	1	1	..	1	2	3
Lime Street .....	{ Below 5 years ..	1	..	..	..	1	..	..	..	2	..	2
	{ Above 5 years ..	..	..	..	1	..	..	1	..	1	1	2
Castle Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	1	..	..	..	..	..	..	..	1	..	1
St. Peter's .....	{ Below 5 years ..	..	..	2	..	..	..	..	..	2	..	2
	{ Above 5 years ..	..	..	..	..	..	1	..	..	..	1	1
Pitt Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	1	..	..	..	1	..	1	..	3	..	3
Great George .....	{ Below 5 years ..	1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..	1	..	1	1	1	..	..	..	3	1	4
Rodney Street .....	{ Below 5 years ..	1	1	..	1	..	1	1	1	2	4	6
	{ Above 5 years ..	..	..	1	..	1	1	..	..	2	1	3
Abercromby .....	{ Below 5 years ..	1	1	1	..	1	1	..	..	3	2	5
	{ Above 5 years ..	1	2	1	1	..	..	..	..	2	3	5
Parish Workhouses and Hospitals .....	{ Below 5 years ..	1	2	1	1	1	1	..	..	3	4	7
	{ Above 5 years ..	4	4	..	1	..	1	6	2	10	8	18
Out-Township Workhouses and Hospitals .....	{ Below 5 years ..	..	1	..	..	..	..	..	..	..	1	1
	{ Above 5 years ..	2	1	2	3	1	3	..	..	5	7	12
Everton and Kirkdale ..	{ Below 5 years ..	7	4	1	4	4	5	3	1	15	14	29
	{ Above 5 years ..	3	5	1	1	3	3	2	4	9	13	22
West Derby .....	{ Below 5 years ..	2	..	1	1	1	3	1	2	5	6	11
	{ Above 5 years ..	3	2	1	1	1	..	2	..	7	3	10
North Toxteth .....	{ Below 5 years ..	..	..	..	4	1	1	1	1	5	2	7
	{ Above 5 years ..	2	2	..	1	1	..	1	..	4	3	7
South Toxteth .....	{ Below 5 years ..	2	..	1	..	2	..	1	1	6	1	7
	{ Above 5 years ..	..	2	..	2	..	2	1	1	1	7	8
Parish .....	{ Below 5 years ..	11	12	10	11	11	7	7	5	39	35	74
	{ Above 5 years ..	9	9	5	5	4	10	10	3	28	27	55
Out-Townships .....	{ Below 5 years ..	11	5	3	5	11	9	6	5	31	24	55
	{ Above 5 years ..	10	12	4	8	6	8	6	5	26	33	59
Borough .....	{ Below 5 years ..	22	17	13	16	22	16	13	10	70	59	129
	{ Above 5 years ..	19	21	9	13	10	18	16	8	54	60	114



## TUBERCULAR DISEASES.

This group of diseases includes Phthisis, Scrofula, Tabes, Mesenterica, and Hydrocephalus. They occasioned 1,991 deaths in the Borough of Liverpool during the year 1875, of which 1,022 occurred in the Parish, and 969 in the Out-townships. The death-rate was 3·8 per 1,000 of the estimated population; their percentage death-rate relatively to deaths from all causes was 14·0.

## DEATHS FROM PHTHISIS.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland .....	{ Below 5 years ..	1	2	..	2	2	1	..	..	3	5	8
	{ Above 5 years ..	14	32	21	30	17	12	16	16	68	90	158
Vauxhall .....	{ Below 5 years ..	1	3	..	..	..	..	..	..	1	3	4
	{ Above 5 years ..	2	7	3	3	1	2	7	6	13	18	31
St. Paul's .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	6	2	5	2	3	4	3	4	17	12	29
Exchange .....	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years ..	4	2	5	1	4	2	1	3	14	8	22
St. Anne's .....	{ Below 5 years ..	..	..	..	1	..	..	..	..	..	1	1
	{ Above 5 years ..	15	18	18	12	5	11	7	10	45	51	96
Lime Street .....	{ Below 5 years ..	..	..	2	1	..	..	1	..	3	1	4
	{ Above 5 years ..	8	5	5	1	3	2	6	5	22	13	35
Castle Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	1	..	..	1	..	..	..	1	1	2
St. Peter's .....	{ Below 5 years ..	..	..	1	..	..	..	..	..	1	..	1
	{ Above 5 years ..	1	..	1	1	2	1	3	..	7	2	9
Pitt Street .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	1	2	1	..	3	3	2	5	7	12
Great George .....	{ Below 5 years ..	..	1	..	..	..	..	..	..	..	1	1
	{ Above 5 years ..	4	2	3	4	5	..	2	2	14	8	22
Rodney Street .....	{ Below 5 years ..	..	1	1	..	..	..	..	2	1	3	4
	{ Above 5 years ..	6	4	9	7	..	6	3	1	18	18	36
Abercromby .....	{ Below 5 years ..	..	..	..	..	..	..	..	1	..	1	1
	{ Above 5 years ..	8	6	6	3	3	4	3	3	20	16	36
Parish Workhouses and Hospitals .....	{ Below 5 years ..	..	1	..	..	..	1	..	1	..	3	3
	{ Above 5 years ..	66	49	41	34	32	26	44	34	183	143	326
Out-Township Workhouses and Hospitals .....	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	9	6	12	6	11	5	5	5	37	22	59
Everton and Kirkdale .....	{ Below 5 years ..	4	2	3	8	1	1	1	1	9	12	21
	{ Above 5 years ..	49	53	41	38	36	36	37	35	163	162	325
West Derby .....	{ Below 5 years ..	3	1	1	1	2	2	2	2	8	6	14
	{ Above 5 years ..	25	16	21	15	16	12	20	11	82	54	136
North Toxteth .....	{ Below 5 years ..	..	..	..	..	..	..	..	1	..	1	1
	{ Above 5 years ..	13	16	8	15	6	6	9	9	36	46	82
South Toxteth .....	{ Below 5 years ..	..	..	..	1	1	..	..	..	1	1	2
	{ Above 5 years ..	10	10	15	13	5	9	10	11	40	43	83
Parish .....	{ Below 5 years ..	2	8	4	4	2	2	2	4	10	18	28
	{ Above 5 years ..	134	129	119	99	76	73	98	86	427	387	814
Out-Townships .....	{ Below 5 years ..	7	3	4	10	4	3	3	4	18	20	38
	{ Above 5 years ..	106	101	97	87	74	68	81	71	358	327	685
Borough .....	{ Below 5 years ..	9	11	8	14	6	5	5	8	28	38	66
	{ Above 5 years ..	240	230	216	186	150	141	179	157	785	714	1499



## DEATHS FROM OTHER TUBERCULAR DISEASES.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	{ Below 5 years	15	2	4	9	6	10	8	5	33	26	59
	{ Above 5 years	1	..	..	..	..	..	1	..	2	..	2
Vauxhall	{ Below 5 years	..	1	..	..	1	1	2	..	3	2	5
	{ Above 5 years	..	..	..	1	..	..	..	..	..	1	1
St. Paul's	{ Below 5 years	1	..	..	1	..	..	..	..	1	1	2
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Exchange	{ Below 5 years	..	..	..	1	..	..	..	..	..	1	1
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
St. Anne's	{ Below 5 years	3	1	3	4	4	4	4	4	14	13	27
	{ Above 5 years	1	1	..	1	1	..	..	..	2	2	4
Lime Street	{ Below 5 years	1	..	..	..	..	3	2	1	3	4	7
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Castle Street	{ Below 5 years	..	..	2	1	..	..	..	..	2	1	3
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	{ Below 5 years	..	..	..	1	..	..	..	1	..	2	2
	{ Above 5 years	..	..	..	..	..	..	1	1	1	1	2
Pitt Street	{ Below 5 years	..	..	2	..	..	..	2	..	4	..	4
	{ Above 5 years	..	1	..	1	..	1	..	1	..	4	4
Great George	{ Below 5 years	1	2	3	2	1	3	1	2	6	9	15
	{ Above 5 years	1	..	1	..	..	..	1	6	3	6	9
Rodney Street	{ Below 5 years	..	..	4	2	3	3	1	..	8	5	13
	{ Above 5 years	..	..	..	..	1	..	..	..	1	..	1
Abercromby	{ Below 5 years	3	1	1	1	..	1	1	..	5	3	8
	{ Above 5 years	1	..	..	..	..	..	..	..	1	..	1
Parish Workhouses and Hospitals	{ Below 5 years	3	..	2	..	..	2	1	..	6	2	8
	{ Above 5 years	..	..	1	..	..	..	1	..	2	..	2
Out-Township Workhouses and Hospitals	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
Everton and Kirkdale	{ Below 5 years	15	16	10	13	16	16	13	16	54	61	115
	{ Above 5 years	2	..	1	..	2	3	..	1	5	4	9
West Derby	{ Below 5 years	7	6	8	2	9	10	6	1	30	19	49
	{ Above 5 years	1	1	3	1	..	1	3	..	7	3	10
North Toxteth	{ Below 5 years	3	3	6	4	3	2	2	3	14	12	26
	{ Above 5 years	1	2	..	..	..	..	..	..	1	2	3
South Toxteth	{ Below 5 years	3	5	5	4	2	1	3	2	13	12	25
	{ Above 5 years	2	..	2	2	1	..	2	..	7	2	9
Parish	{ Below 5 years	27	7	21	22	15	27	22	13	85	69	154
	{ Above 5 years	4	2	2	3	2	1	4	8	12	14	26
Out-Townships	{ Below 5 years	28	30	29	23	30	29	24	22	111	104	215
	{ Above 5 years	6	3	6	3	3	4	5	1	20	11	31
Borough	{ Below 5 years	55	37	50	45	45	56	46	35	196	173	369
	{ Above 5 years	10	5	8	6	5	5	9	9	32	25	57

I have received from Mr. Hartnup the following Meteorological Table for the year 1875 :—

## LIVERPOOL OBSERVATORY.

DATE—1875.	Mean Barometer.	Mean Temperature.	Rainfall on Ground.
	Inches.	o	Inches.
January	29.787	43.8	3.004
February	30.063	37.0	1.160
March	30.157	40.9	0.641
April	30.041	48.2	0.586
May	29.968	53.5	1.929
June	29.856	57.3	2.183
July	29.970	58.6	4.080
August	30.009	61.2	2.595
September	29.907	59.0	4.382
October	29.740	48.3	4.828
November	29.804	42.2	3.010
December	30.066	40.8	0.967



The Select Vestry are kind enough to forward to my Office a daily list of the cases of Fever and Small Pox attended by the Parochial Medical Officers, and a monthly list of the cases of all Zymotic diseases, of Tubercular diseases, and of sickness from other causes, which have occurred in the twelve districts of the Parish.

The daily list enables the Health Committee to take action for the purification of the houses, and I am able from the other to classify the districts and streets in which sickness has prevailed.

The following are the streets within the Parish of Liverpool in which three or more cases of Fever, or two or more of Scarlatina, or two or more of Small Pox have occurred during the year.

STREETS.	Zymotic Diseases, including Fever, Scarlatina, and Small Pox.	Fever.	Scarlatina.	Small Pox.	Tubercular Diseases, including Phthisis.	Phthisis.	Other Diseases.
Addison .....	15	11	..	..	34	34	197
Adlington .....	6	4	..	..	18	18	144
Ainsworth .....	5	4	..	..	..	..	55
Almond .....	8	5	..	..	..	..	12
Arley .....	6	6	..	..	10	10	68
Athol .....	7	6	..	..	3	3	37
Back Brownlow .....	5	4	..	..	..	..	1
Back Portland .....	5	3	..	..	5	5	102
Bay Horse Lane.....	5	3	..	..	..	..	25
Ben Jonson .....	9	6	..	..	5	5	54
Bent .....	4	4	..	..	3	3	55
Blake .....	22	16	..	..	2	..	108
Blackstock .....	9	9	..	..	..	..	36
Blackstone .....	5	..	3	..	1	1	17
Blandford .....	35	33	..	..	10	10	159
Blenheim .....	15	10	..	..	6	6	164
Bolton .....	18	9	..	..	9	8	114
Bond .....	4	3	..	..	9	9	60
Bow .....	4	4	..	..	..	..	..
Brick .....	9	8	..	..	1	1	154
Brownlow .....	5	5	..	..	2	..	4
Brownlow Hill(sheds included)	129	63	..	5	29	26	1028
Burlington .....	14	12	..	..	4	4	172
Canterbury (1 to 123, 2 to 14)	7	7	..	..	1	1	9
Cavendish .....	6	6	..	..	4	3	73
Charters .....	7	4	2	..	..	..	88
Circus .....	4	4	..	..	5	5	66
Collingwood .....	13	8	..	..	7	7	137
Comus .....	7	5	..	..	2	2	49
Constance.....	9	9	..	..	1	1	22
Denbigh .....	3	3	..	..	..	..	16
Denison .....	7	6	..	..	3	3	28
Dryden.....	14	5	..	2	3	3	108
Duckinfield.....	37	31	..	..	2	2	199
Edgar .....	6	6	..	..	1	1	7
Edward .....	29	27	..	..	..	..	44
Eldon .....	7	4	..	..	2	2	133
Finch Place.....	14	14	..	..	1	1	32
Fontenoy.....	6	4	..	..	7	7	66
Frederick.....	5	5	..	..	1	1	39
Gascoyne.....	10	7	..	..	10	10	146
Gerard.....	7	6	..	..	16	13	88
Gladstone.....	5	5	..	..	1	1	44
Grayson .....	6	6	..	..	1	1	57
Great Crosshall .....	4	4	..	..	4	4	22



STREETS.	Zymotic Diseases, including Fever, Scarlatina, and Small Pox.	Fever.	Scarla- tina.	Small Pox.	Tuber- cular Diseases, including Phthisis.	Phthisis	Other Diseases.
Great Richmond.....	7	6	..	..	1	1	76
Greenland .....	11	11	..	..	1	1	31
Grosvenor .....	6	4	..	..	4	4	60
Harrison .....	5	3	..	..	2	2	30
Hornby .....	33	19	..	..	29	28	360
Kent.....	8	7	..	..	8	8	57
Kew .....	9	7	..	..	3	3	115
Kitchen .....	6	3	..	..	8	8	134
Limekiln Lane .....	17	9	..	..	2	2	112
Lower Myrtle.....	6	6	..	..	1	1	31
Maghull .....	4	4	..	..	..	..	3
Maguire .....	5	3	..	..	2	2	90
Mansfield.....	4	3	..	..	6	6	72
Marybone .....	7	6	..	..	1	1	20
Midghall .....	3	3	..	..	7	7	81
Milton .....	9	6	..	..	17	16	124
Mulberry .....	5	3	..	2	..	..	7
Naylor .....	4	3	..	..	22	22	71
Newhall .....	4	4	..	..	..	..	78
Newsham.....	7	6	..	..	..	..	67
Norfolk.....	7	7	..	..	3	1	86
Norman .....	7	7	..	..	5	4	81
Oakes .....	52	34	..	..	9	9	128
Oriel .....	14	10	..	..	18	16	174
Pall Mall.....	4	3	..	..	1	1	29
Parr .....	4	3	..	..	2	2	22
Peach .....	33	23	..	9	4	2	111
Pembroke .....	7	6	..	..	2	2	37
Plumbe .....	7	7	..	..	3	..	20
Prince's Walk.....	3	..	2	..	1	1	25
Ray .....	4	3	..	..	..	..	28
Raymond.....	6	..	3	..	10	6	152
Roscoe .....	3	3	..	..	1	1	31
Rose Place .....	17	11	..	..	4	4	156
Saltney.....	3	3	..	..	3	2	52
Sawneypope .....	15	10	..	..	28	27	118
Short.....	6	6	..	..	2	2	18
Skirving .....	10	9	..	..	2	..	30
Slade.....	24	22	..	..	3	1	47
Smithfield .....	9	4	..	..	5	4	68
Soho Square .....	4	4	..	..	..	..	1
Sparling .....	17	17	..	..	10	10	69
St. Andrew .....	27	14	6	..	8	8	209
St. James.....	8	8	..	..	..	..	39
St. Martin .....	18	15	..	..	4	2	174
Summer .....	4	4	..	..	..	..	40
Summer Seat .....	4	4	..	..	1	1	14
Thomas .....	5	5	..	..	1	1	128
Titchfield.....	6	6	..	..	1	1	90
Torbock .....	4	4	..	..	2	2	19
Trowbridge.....	22	16	..	..	3	3	66
Upper Frederick.....	7	5	..	..	20	20	188
Upper Milk.....	7	7	..	..	2	2	38
Vine .....	6	3	..	..	..	..	18
Walnut .....	3	3	..	..	..	..	28
Watkinson .....	3	3	..	..	5	5	63
Westmoreland .....	5	5	..	..	1	1	72
William Henry (2 to 30) .....	3	3	..	..	..	..	7
Woodstock .....	5	..	4	..	1	1	93
Wright.....	24	7	..	..	5	5	143



The Medical Officer is indebted to the kindness of Mr. Hagger, Vestry Clerk, for the following valuable Tables:—

PARISH OF LIVERPOOL.  
Return of Infectious Diseases, &c., in Workhouse Hospital.

1875. WEEK ENDING	TYPHUS.					SIMPLE CONTINUED.					MEASLES.				
	No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.
Jan. 9....	29	14	7	1	35	24	8	8	1	23	1	1	1	..	1
" 16....	35	3	9	2	27	23	15	10	..	28	1	..	1	..	..
" 23....	27	8	7	3	25	28	10	19	..	19	..	..	..	..	..
" 30....	25	7	9	..	23	19	9	12	..	16	..	..	..	..	..
Feb. 6....	23	9	6	4	22	16	8	8	..	16	..	..	..	..	..
" 13....	22	10	6	3	23	16	14	10	..	20	..	..	..	..	..
" 20....	23	4	8	1	18	20	8	12	..	16	..	..	..	..	..
" 27....	18	4	2	2	18	16	4	6	..	14	..	..	..	..	..
March 6....	18	8	9	1	16	14	11	5	2	18	..	..	..	..	..
" 13....	16	14	3	3	24	18	15	10	1	22	..	..	..	..	..
" 20....	24	17	1	8	32	22	21	8	1	34	..	..	..	..	..
" 27....	32	24	2	3	51	34	13	13	..	34	..	1	..	..	1
April 3....	51	14	12	4	49	34	9	15	2	26	1	1	2	..	..
" 10....	49	11	11	6	43	26	13	19	..	20	..	..	..	..	..
" 17....	43	15	14	5	39	20	7	7	..	20	..	1	..	..	1
" 24....	39	18	20	7	30	20	8	6	3	19	1	..	1	..	..
May 1....	30	22	6	5	41	19	11	9	1	20	..	..	..	..	..
" 8....	41	14	14	4	37	20	10	19	..	11	..	..	..	..	..
" 15....	37	18	2	4	49	11	5	9	..	7	..	..	..	..	..
" 22....	49	17	22	2	42	7	10	6	..	11	..	1	..	..	1
" 29....	42	14	6	1	49	11	6	8	..	9	1	..	1	..	..
June 5....	49	16	17	2	46	9	7	3	..	13	..	1	..	..	1
" 12....	46	15	17	7	37	13	9	5	..	17	1	..	1	..	..
" 19....	37	17	8	2	44	17	8	9	..	16	..	..	..	..	..
" 26....	44	17	10	6	45	16	6	10	1	11	..	..	..	..	..
July 3....	45	11	14	4	38	11	7	8	..	10	..	..	..	..	..
" 10....	38	6	10	2	32	10	11	3	1	17	..	..	..	..	..
" 17....	32	14	5	6	35	17	6	3	..	20	..	1	1	..	..
" 24....	35	15	13	3	34	20	5	6	1	18	..	..	..	..	..
" 31....	34	9	12	2	29	18	12	10	..	20	..	..	..	..	..
Aug. 7....	29	15	13	..	31	20	14	11	1	22	..	2	..	..	2
" 14....	31	7	7	3	28	22	7	12	..	17	2	..	..	..	2
" 21....	28	17	8	5	32	17	9	13	1	12	2	..	..	..	2
" 28....	32	10	9	3	30	12	13	10	..	15	2	..	..	..	2
Sept. 4....	30	8	9	2	27	15	16	11	..	20	2	..	..	..	2
" 11....	27	18	7	3	35	20	16	17	..	19	2	4	..	..	6
" 18....	35	17	9	..	43	19	6	8	1	16	6	..	..	..	6
" 25....	43	15	5	5	48	16	6	9	1	12	6	..	4	..	2
Oct. 2....	48	16	4	5	55	12	8	7	1	12	2	..	..	..	2
" 9....	55	19	17	7	50	12	8	8	..	12	2	1	..	..	3
" 16....	50	12	14	3	45	12	7	10	..	9	3	..	..	..	3
" 23....	45	23	14	3	51	9	12	8	..	13	3	..	..	..	3
" 30....	51	16	12	2	53	13	8	7	..	14	3	..	1	..	2
Nov. 6....	53	31	17	4	63	14	3	6	..	11	2	1	..	..	3
" 13....	63	30	18	3	72	11	10	6	1	14	3	..	..	..	3
" 20....	72	17	16	5	68	14	8	11	..	11	3	..	1	..	2
" 27....	68	13	23	5	53	11	10	2	1	18	2	..	1	..	1
Dec. 4....	53	8	8	2	51	18	7	9	..	16	1	..	..	..	1
" 11....	51	17	10	3	55	16	9	13	..	12	1	..	1	..	..
" 18....	55	11	19	5	42	12	18	12	1	17	..	2	..	..	2
" 25....	42	2	16	1	27	17	4	9	1	11	2	..	..	..	2
1876.															
Jan. 1....	27	16	4	1	38	11	2	4	1	8	2	..	1	..	1



## PARISH OF LIVERPOOL.

Return of Infectious Diseases, &amp;c., in Workhouse Hospital.

1875. WEEK ENDING		SCARLATINA.				SMALL POX.				TYPHOID.						
		No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.
Jan.	9	14	2	5	2	9	7	1	1	..	7	..	..	..	..	..
"	16	9	2	4	..	7	7	1	1	1	6	..	..	..	..	..
"	23	7	1	3	..	5	6	..	..	..	6	..	..	..	..	..
"	30	5	..	1	..	4	6	..	..	..	6	..	..	..	..	..
Feb.	6	4	..	2	..	2	6	..	1	..	5	..	1	..	..	1
"	13	2	..	1	..	1	5	1	3	..	3	1	1	1	..	1
"	20	1	1	..	..	2	3	3	4	1	1	1	..	..	..	1
"	27	2	..	..	..	2	1	..	..	..	1	1	..	..	..	1
March	6	2	..	1	..	1	1	..	..	..	1	1	..	..	..	1
"	13	1	2	..	..	3	1	1	..	..	2	1	..	1	..	..
"	20	3	..	..	..	3	2	..	..	..	2	..	..	..	..	..
"	27	3	1	..	..	4	2	1	1	..	2	..	..	..	..	..
April	3	4	1	3	..	2	2	..	1	1	..	..	..	..	..	..
"	10	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..
"	17	2	1	2	..	1	..	..	..	..	..	..	2	1	1	..
"	24	1	..	..	..	1	..	..	..	..	..	..	1	..	..	1
May	1	1	1	..	..	2	..	3	..	..	3	1	..	..	..	1
"	8	2	..	1	..	1	3	..	..	..	3	1	..	..	..	1
"	15	1	..	..	..	1	3	..	..	..	3	1	..	..	..	1
"	22	1	..	..	..	1	3	1	1	..	3	1	..	1	..	..
"	29	1	..	1	..	..	3	2	1	..	4	..	..	..	..	..
June	5	..	1	..	..	1	4	2	1	1	4	..	..	..	..	..
"	12	1	..	..	..	1	4	..	2	1	1	..	..	..	..	..
"	19	1	..	..	..	1	1	2	1	..	2	..	..	..	..	..
"	26	1	..	..	..	1	2	2	..	..	4	..	2	..	..	2
July	3	1	..	..	..	1	4	4	..	..	8	2	..	..	..	2
"	10	1	..	1	..	..	8	2	..	..	10	2	..	..	..	2
"	17	..	1	..	..	1	10	1	..	..	11	2	..	..	..	2
"	24	1	..	..	..	1	11	1	..	..	12	2	2	2	..	2
"	31	1	..	..	..	1	12	1	4	1	8	2	..	..	..	2
Aug.	7	1	..	..	..	1	8	..	1	..	7	2	..	..	..	2
"	14	1	..	..	..	1	7	2	4	..	5	2	..	1	..	1
"	21	1	..	1	..	..	5	..	2	..	3	1	2	..	..	3
"	28	..	..	..	..	..	3	..	2	..	1	3	..	1	..	2
Sept.	4	..	..	..	..	..	1	1	1	..	1	2	2	1	..	3
"	11	..	..	..	..	..	1	1	..	..	2	3	..	..	..	3
"	18	..	1	..	..	1	2	..	..	..	2	3	..	1	..	2
"	25	1	..	..	..	1	2	..	..	1	1	2	1	2	..	1
Oct.	2	1	..	..	..	1	1	..	..	..	1	1	..	..	..	1
"	9	1	..	..	..	1	1	1	..	..	2	1	..	..	..	1
"	16	1	..	..	..	1	2	..	1	..	1	1	..	..	..	1
"	23	1	..	..	..	1	1	..	..	..	1	1	..	..	..	1
"	30	1	1	..	..	2	1	1	..	..	2	1	5	..	1	5
Nov.	6	2	..	..	..	2	2	2	2	..	2	5	1	1	..	5
"	13	2	..	1	..	1	2	2	..	..	4	5	1	..	..	6
"	20	1	2	1	..	2	4	..	..	1	3	6	1	2	..	5
"	27	2	..	..	..	2	3	..	..	..	3	5	..	2	..	3
Dec.	4	2	1	2	..	1	3	4	1	1	5	3	..	1	1	1
"	11	1	..	..	..	1	5	..	1	..	4	1	2	1	..	2
"	18	1	..	1	..	..	4	..	1	..	3	2	1	..	1	2
"	25	..	..	..	..	..	3	1	..	..	4	2	1	..	2	1
1876.																
Jan.	1	..	1	..	..	1	4	2	..	..	6	1	1	..	..	2



## PARISH OF LIVERPOOL.

## RETURN OF PERSONS IN RECEIPT OF RELIEF IN THE YEAR 1875.

Week ending,	Work-house.	Industrial Schools.	Out Relief.	Week ending.	Work-house.	Industrial Schools.	Out-Relief.
1875.				1875.			
January 9..	2608	821	3390	July 10..	2055	726	2805
" 16..	2648	831	3354	" 17..	2080	721	2775
" 23..	2594	837	3278	" 24..	2082	724	2755
" 30..	2521	827	3225	" 31..	2022	735	2728
February 6..	2519	825	3208	August 7..	2077	733	2693
" 13..	2510	819	3263	" 14..	2068	722	2663
" 20..	2485	815	3222	" 21..	2046	739	2601
" 27..	2496	814	3145	" 28..	2051	750	2546
March 6..	2520	807	3210	" 29..	2080	762	2545
" 13..	2522	800	3193	September 4..	2115	766	2536
" 20..	2470	796	3165	" 11..	2112	759	2524
" 27..	2442	795	3178	" 18..	2095	757	2505
April 3..	2425	790	3169	" 25..	2136	758	2525
" 10..	2364	785	3203	October 2..	2129	758	2564
" 17..	2330	778	3199	" 9..	2128	757	2521
" 24..	2278	760	3145	" 16..	2162	751	2574
May 1..	2253	747	3089	" 23..	2252	758	2543
" 8..	2169	735	2987	" 30..	2308	764	2565
" 15..	2169	727	3032	November 6..	2322	768	2591
" 22..	2126	724	2987	" 13..	2337	763	2510
" 29..	2162	720	2926	" 20..	2363	758	2483
June 5..	2129	720	2914	" 27..	2425	765	2513
" 12..	2070	739	2858	December 4..	2457	772	2529
" 19..	2090	737	2819	" 11..	2398	754	2481
" 26..	2075	725	2804	" 18..	2374	772	2530
July 3..	2100	729	2801	" 25..			
				1876.			
				January 1..	2381	772	2462

These show that the average number of persons suffering from Continued Fever (including therein Typhus, Typhoid, and Simple Continued Fever) at one time in Hospital during the year 1875 was 57, and their percentage death-rate 15.8. The average number of cases of Measles at one time in Hospital during the year was 1, and there were no deaths; the average number of cases of Scarlatina at one time in Hospital during the year was 2, and their percentage death rate was 5.8; the average number of cases of Smallpox at one time in Hospital during the year was 3, and their percentage death rate was 17.0.

The number of persons in receipt of Parochial Relief on Saturday, the 3rd July, 1875, was 5,630, or 1,064 less than at the corresponding period of 1874, and the number on Saturday, the 1st January, 1876, was 5,615, or 1,260 less than on Saturday, the 2nd January, 1875.



## SANITARY WORK.

Classification of Privies Certified for Conversion into Water Closets, from January to December, 1875, both months inclusive.

CAUSE OF CERTIFICATE.	WARDS.									TOTAL.	
	Vauxhall.	St. Anne's.	Lime Street.	Pitt Street.	Great George.	Abercromby.	Everton and Kirkdale.	West Derby.	North Toxteth.		South Toxteth.
Privies situated inside Houses .....	..	..	1	..	..	..	..	..	3	..	4
Privies adjoining House Walls.....	..	..	..	..	..	..	..	..	1	2	3
Privies situated within 3 feet of doors .. } and windows of houses .....	1	2	..	..	2	2	..	..	..	..	7
Privies situated beneath bedrooms .....	..	..	..	2	..	..	2	..	..	1	5
Privies emptied through a passage situated } beneath bedrooms .....	..	..	..	..	..	..	..	..	..	11	11
Privy emptied through house .....	..	..	..	1	..	..	..	..	..	..	1
Privies emptied through Courts .....	..	..	..	1	..	..	..	2	..	..	3
Tunnel Middens .....	..	..	..	..	..	..	2	..	..	15	17
TOTAL .....	1	2	1	4	2	2	4	2	4	29	51

## LODGING-HOUSES.

The Health Committee have, since the passing of the Sanitary Act, 1866 ruled that, as far as possible, all registered lodging-houses should have a day apartment for the accommodation of their lodgers, and that all houses where single rooms were occupied by day and night should be registered as sub-let. The space required for a night lodger in a registered lodging-house is 300 cubical feet, while the space in a sub-let house for each adult is 350 feet.

There were on the register 1,091 lodging-houses at the end of 1874, and 1,047 at the end of 1875. This difference was occasioned by the removal of 272 old licenses, and the addition of 228 new ones. The visits to lodging-houses are both by day and night. The lodging-houses of the better class, and especially those provided only with single beds for each person, and only with the number of beds equivalent to the number of lodgers allowed, are not visited at night except on grave suspicion, or on complaint, or in the case of foreign emigrant lodging-houses. The night visits are pretty nearly restricted to the low districts and tramp houses. The number of day visits paid during the year was 39,943, and the night visits 5,480. The number of lodging-houses found overcrowded on the night visits was 24; the number of informations laid for breaches of the bye-laws was 119, with the results of fines in 110 cases to the extent of £24 7s. 6d., in sums varying from 1s. to 20s. and costs. The number of lodging-houses found dirty was 180; notices were served to limewash and cleanse.



It is necessary frequently to visit houses which are not licensed either as lodging or sub-let houses, especially when emigration is brisk, or at race times. There were 1,764 such visits paid during the day, and in 42 of the cases where suspicion was confirmed they were followed up by night visits. A tenant harbouring lodgers is not taken before the Justices for the first offence, but is noticed to have his rooms measured and licensed. There were 196 such notices issued during the year, but in only 2 cases did the tenants refuse to comply; they were brought before the Justices and fined. A bye-law requires that every case of infectious sickness in a lodging-house should be at once reported to the Medical Officer of Health. 27 cases of Fever occurred in lodging-houses; 26 of the patients, being lodgers, were at once sent to Hospital, the bedding to the disinfecting apparatus, and the rooms purified and cleansed. The remaining case being a member of the keeper's family was not removed, but the lodging-house license was at once suspended. No lodger died from Fever in a registered lodging-house, but there were 110 deaths from non-contagious diseases in lodging-houses, of which 76 belonged to the keepers' families, and 34 were lodgers.

#### SUB-LET HOUSES REGISTERED UNDER THE SANITARY ACT OF 1866.

The number of sub-let houses on the Register at the termination of 1874 was 10,598; the number registered during 1875 was 344, making the total on the Register on the 31st December, 10,942. The number of visits paid during the night was 10,751, and during the day, 50,190, with the result of finding 1,229 rooms overcrowded. In addition to overcrowding the offence (though not punishable in sub-let houses) of permitting adult males and females, not married, to occupy the same room, comes under the notice, and is entered in the books of the Inspectors. There were 677 rooms thus indecently occupied by 1,015 males and 1,302 females, besides having also in these rooms 579 children between the ages of 5 and 13 years. The character of the indecent occupation may be judged of from the following facts:—In 305 instances one man and two women were found in the same bedroom; in 174 instances two men and one woman; in sixty-nine instances two men and two women; in fifty-eight instances one man and three women; in fourteen instances one man and four women; in thirteen instances three men and one woman; in thirteen instances three men and three women; in twelve instances two men and four women; in nine instances two men and three women; in five instances three men and two women; in four instances four men and two women; and in one instance one man and five women.



Informations were laid against 994 chief tenants for permitting overcrowding in rooms, with the following results:—768 were fined 1s. and 1s. costs; 148 fined 2s. 6d. and 2s. 6d. costs; 32 fined 5s. and 4s. 6d. costs; 4 fined 10s. and costs; and 6 fined 40s. and costs; making a total of fines levied during the year of £145 5s. 0d. Of the remaining 36 cases 32 informations were withdrawn, the tenants having abated the overcrowding; in 4 cases the tenants were acquitted—the majority because it was the first offence, and the remainder because of their poverty and their promise not again to offend.

#### BAKEHOUSES.

1,203 day visits and 1,496 night visits have been made to Bakehouses during the year. 33 informations were laid for working young people, below the age of 18 years, between the hours of 9 p.m. and 5 a.m. In 32 cases penalties varying from 2s. 6d. and costs to 40s. and costs, and making a total of £16 6s. 6d. were inflicted. 128 Bakehouses were found dirty, and notices were served to limewash and cleanse them.

#### LICENSES FOR CATTLE.

During the year 1875, 28 applications for Licenses to keep 238 cows were made to, and granted by the Health Committee; 84 shippons licensed to keep 649 cows, have been given up during the year. There are at present 456 shippons licensed to keep 4,646 cows. 37 of the shippons previously licensed have been transferred to fresh tenants. In 70 of the shippons pigs are also allowed to be kept; in 65 of them only two pigs each; in 3, 4 pigs; and in 2, 5 pigs.

62 applications were made during the year to keep pigs in styes separate from, and unconnected with shippons; 24 of the applications for keeping 53 pigs were granted. 109 piggeries licensed to keep 248 pigs, have been given up during the year. 9 piggeries previously licensed have been transferred to fresh tenants. The total number of premises or styes now licensed in the Borough (excluding shippons) is 233, for keeping 698 pigs.

#### MORTUARIES.

During the year 20 bodies were, by order of the Justices, removed to the Mortuaries provided by the Council under the 27th section of the Public Health Act, 1866.

#### REMOVAL OF THE SICK TO HOSPITAL.

During the year there were removed to Hospital 127 persons, 114 of whom were suffering from Fever and 13 from Smallpox. 83 were taken to Netherfield Road Hospital, 37 to the Parish Workhouse Hospital, 5 to Toxteth Workhouse Hospital, and 2 to West Derby Union Hospital.



## DISINFECTION OF HOUSES.

In all cases of infectious disease the houses were disinfected, free of cost, with sulphurous gas, by officers appointed by the Health Committee; but whenever there was sickness in any room of the house, so as to endanger health by the use of sulphurous gas, carbolic acid powder was freely sprinkled in the rooms and passages of the house until the sulphurous gas could be used safely. No house is considered properly disinfected until the sulphurous gas has been used. The existence of sickness, and the consequent employment of carbolic acid powder, necessitate many visits by the persons in charge of disinfection. There were in all 4,112 visits paid during the year to houses for the purpose of disinfection; the number of houses properly disinfected being 1933.

## THE DISINFECTING APPARATUS.

The number of articles sent to the Disinfecting Apparatus during the year amounted to 39,768.

DATE 1875.	NUMBER OF ARTICLES DISINFECTED IN THE APPARATUS.		DATE 1875.	NUMBER OF ARTICLES DISINFECTED IN THE APPARATUS.
	Ford Street.	New Bird Street.		
Week ending			Week ending	
January 9.....	901	555	July 10.....	1608
16.....	900	696	17.....	486
23.....	769	796	24.....	653
30.....	2384	871	31.....	383
February 6.....	893	418	August 7.....	265
13.....	621	379	14.....	375
20.....	515	622	21.....	459
27.....	1083	235	28.....	407
March 6.....	550	362	September 4.....	519
13.....	608	405	11.....	344
20.....	689	..	18.....	480
27.....	366	..	25.....	327
April 3.....	466	..	October 2.....	637
Total for.... } Quarter.... }	10745	5339	Total for.... } Quarter.... }	6943
April 10.....		485	October 9.....	228
17.....		703	16.....	354
24.....		321	23.....	700
May 1.....		803	30.....	877
8.....		314	November 6.....	643
15.....		342	13.....	699
22.....		502	20.....	458
29.....		1377	27.....	629
June 5.....		519	December 4.....	892
12.....		1061	11.....	762
19.....		653	18.....	672
26.....		376	25.....	765
July 3.....		1000	January 1.....	606
Total for.... } Quarter.... }		8456	Total for.... } Quarter.... }	8285



## THE ARTIZANS' AND LABOURERS' DWELLINGS IMPROVEMENT ACT, 1875.

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The Act for facilitating the improvements of the dwellings of the working classes of large towns came into force on 29th June.

The Health Committee had as early as 13th May, and in anticipation of the provisions of this Act, passed the following Resolutions :—

*Resolved—*

“ That the Medical Officer of Health report as to the area, population, and death-rate of the following Districts, viz. :—

“ 1st.—The District bounded on the south by Charters Street, on the north by Eccles Street, on the east by Vauxhall Road, and on the west by the Canal.

“ 2nd.—The District bounded by Great Crosshall Street on the south, Cavendish Street on the north, Scotland Road and Byrom Street on the east, and Marybone and Johnson Street on the west.

Such Report to distinguish the nature of the diseases resulting in the deaths, and to give the approximate death-rate for the last five years in each District and in the whole Borough.”

### *REPORT (made on 1st July) :—*

In compliance with the above directions, the Medical Officer begs to present the following Report ; but as it will contain estimates of the rates of mortality during five years (1870, '71, '72 '73, and '74), he considers it necessary, in the first place, to explain upon what basis he has formed his calculation of population. The last census papers contain the population of streets in all the towns of England for one of the years (1871) ; and if the Registrar-General had been able to comply with the request of the Council to grant them the privilege of obtaining, at their own cost, but by a staff of clerks under his control, a copy of the census returns so far as relates to number of houses, with number of separate families and total inhabitants in each house, in the same manner and to the same extent as he was kind enough to grant the copy of the extracts of the census of 1861, there would have been no difficulty in ensuring with great accuracy an approximate calculation of population for the other years.

In the absence of a copy of the census returns of 1871, the Medical Officer got Inspector Wilson and the staff of Lodging-house Inspectors to make house-



to-house visits by day and night; and he has thus obtained what he believes to be a correct list of all the inhabitants in the two districts at the present time (June, 1875). He then estimates what would be the probable population of each district during the years 1870, '71, '72, '73, and '74, on the theory that the population during the fourteen years from 1861 to 1875 has decreased in an equal or geometrical ratio. The period of calculation is longer than statisticians are generally required to use, but it was unavoidable.

The population of the two districts will therefore stand as follows:—

#### No. 1 DISTRICT.

Population by Census Returns .....	1861 = 3,276
„ „ Inspector Wilson's Returns .....	1875 = 2,301
Estimated population.....	1870 = 2,610
„ „ .....	1871 = 2,545
„ „ .....	1872 = 2,482
„ „ .....	1873 = 2,420
„ „ .....	1874 = 2,359

#### No. 2 DISTRICT.

Population by Census Returns .....	1861 = 11,490
„ „ Inspector Wilson's Returns .....	1875 = 7,264
Estimated population.....	1870 = 8,556
„ „ .....	1871 = 8,280
„ „ .....	1872 = 8,014
„ „ .....	1873 = 7,755
„ „ .....	1874 = 7,505

In fixing the number of deaths the Medical Officer has included the deaths of persons removed from the districts and dying in the Workhouse Hospital.

If rates of mortality framed without the aid of census returns of population necessarily carry a certain amount of incorrectness, it is different with percentage rates of deaths from Fever, Zymotic, and Tubercular diseases to deaths from all causes, or the deaths of infants to total mortality at all ages. These rates are based on the local Registrars' returns, and are without any other error than what belongs to mistakes in the diagnosis of disease. They are not only truthful but very valuable, as they especially indicate the influence of insanitary conditions of houses and localities in the same manner as deaths from Bronchitis indicate the influence of climate, and the insufficiency of care and clothing on the part of the people.

The Medical Officer has also in his description of the two districts mentioned the number of houses which are on the sub-let registry, and therefore known



to be occupied, whenever an opportunity presents itself, by families in single room habitations. This arrangement of sub-letting in single rooms encourages overcrowding, and almost necessitates indecent occupation. It is, therefore, both on moral and sanitary grounds most objectionable. It also causes frequent changes of the population, for the sub-tenants or room occupiers are not tied by the possession of much furniture; in fact, the furniture of sub-let rooms in districts such as these, frequented by the poorer Irish, is generally of the most meagre, squalid, and miserable character, and very many of the sub-tenants have no furniture whatever, but simply rest on straw on the bare boards.

#### No. 1 DISTRICT.

This district is situated partly in Scotland Ward and partly in Vauxhall Ward, and is bounded on the south by Charters Street, on the north by Eccles Street, on the east by Vauxhall Road, and on the west by the Canal. Its highest level above the Old Dock Sill is 68 feet in Vauxhall Road, and its lowest 58 feet in Eccles Street. It occupies a superficial area of 4.69 acres, exclusive of any part of the boundary streets—Eccles Street, Vauxhall Road, and Charters Street—or any part of the coal yards adjoining the Canal which are unbuilt upon and separate from inhabited houses. These streets and the unbuilt-on land have been excluded from the calculation of area, because they would not be affected by the provisions of the Artizans' and Labourers' Dwellings Improvement Act, 1875. The population per acre is 491. There are on this area 527 houses, of which 57 are at present unoccupied. The average population per house of inhabited houses is 4.9. The character of the houses and of their inhabitants may be judged of from the following facts:—If we except the six spirit vaults and beerhouses which are in the midst of the district, and the 18 houses and shops in that part of Vauxhall Road, which, though forming its boundary, are occupied by people of a better position, there will remain 503 houses, of which nine are licensed lodging-houses and 365 registered sub-let houses, leaving only 129 houses, which, though of the same character as to rent and size, are not known to be occupied by more than one family. The average rent paid by the chief or landlord's tenant is from 5s. 6d. to 6s. per week for front houses containing six rooms, and 4s. 6d. to 5s. for front houses containing three rooms. The landlord's rent for three-roomed court houses, of which there are 330 in the 57 courts of the district, is from 2s. 6d. to 3s. per week. The rents charged in sub-let houses for a single room is from 1s. 6d. to 2s. per week in front houses, and from 1s. 3d. to 1s. 6d. per week in court houses. The average cubical space of rooms in six-roomed houses is from 1,200 feet to 800 feet, and in three-roomed houses from 900 feet to 700 feet.



There are at the present time in this district only 31 persons in receipt of Poor Law Relief. This is a very satisfactory fact in comparison with what was the case a very few years since.

Under the provisions of the 1864 Improvement Act, the Grand Jury directed alterations to be made in some of the worst courts of Chisenhale Street by the removal of one front house, four court houses, the demolition of a number of ashpits and privies, and the construction in lieu of them of trough water closets; but still, as a rule, the courts of the district may be described as having the entrance narrow, the upper end partially or totally closed, and the houses back to back. This arrangement must prevent thorough ventilation, and must, therefore, to a certain extent, prove injurious to health.

There is at present only one cellar (No. 9, Wigan Street) in this district used as a separate dwelling. It, like a vast number of cellars, could not be so occupied if the 67th clause of the Public Health Act, 1848, was in force in the Borough; but, in spite of admitted risks to health, such cellars are protected and authorised to be used under the provisions of our Local Acts.

The widening of Chisenhale Street and the streets in a line with it, namely, Chadwick Street, Arley Street, and Summer Seat, was at one time contemplated by the Council, and powers to carry it out were obtained by the Liverpool Improvement Act, 1867. The powers under this Act were allowed to lapse, and a scheme which was advocated at the time as necessary for the increasing trade and street traffic of the Town, and which would certainly have been of inestimable benefit to the health of a large and crowded population, was abandoned.

### HEALTH OF THE DISTRICT.

1870.—This was the year of the epidemic of Relapsing or Famine Fever, a disease from which the families of the poor and indigent Irish of our large towns are peculiarly apt to suffer. It was accompanied by an excess of Typhus in the Borough. We find in this district that Fever cases occasioned 11 deaths (6 being due to Relapsing Fever and 5 to Typhus), making the percentage rate of deaths from Fever to total deaths equal to 8·9, or 3·2 in excess of the same rate in the Borough, and 1·7 in excess of that in the Parish. Zymotic diseases occasioned 32 deaths, being equal to 26·0 per cent. of total deaths, or 3·3 below the same rate for the Borough, and 0·4 below that for the Parish. Tubercular diseases occasioned 11 deaths, being equal to 8·9 per cent of total deaths, or 4·5 less than the same rate for the Borough, and 3·6 less than that for the Parish. The number of deaths registered as due to Atrophy and Debility was 10 (9 of which were of children below 5 years of age), being



equal to 8.0 per cent. of total deaths, or 0.5 more than the same rate for the Borough, and 0.1 more than that for the Parish. The deaths of children below 5 years of age amounted to 61, being equal to 49.6 per cent of deaths at all ages, or 1.0 less than the same rate for the Borough, but 2.8 more than that for the Parish.

The deaths from Bronchitis amounted to 32 (17 of children below 5 years of age and 14 of adults above 30), being equal to 26.0 per cent. of total deaths, or 13.5 in excess of the same rate for the Borough.

The death rate of the district to the estimated population was 47.1 per 1000, or 16.0 per 1000 in excess of the rate for the Borough.

During the year 362 cases of Zymotic diseases, of which 343 were of Typhus and Relapsing Fever, were gratuitously attended in this district by the Parochial Medical Officers.

1871.—This was the year of the Small Pox epidemic. Relapsing Fever and Typhus also very largely prevailed within the Borough. Small Pox accounted for 19 deaths, being equal to 16.6 per cent. of total deaths, or 5.6 in excess of the same rate in the Borough, and 7.9 in excess of that in the Parish. The deaths from Fever were 6 (Typhus 5 and Relapsing Fever 1), being equal to 5.2 per cent. of total deaths, or the same rate as that for the Borough, but 0.4 less than that for the Parish. Zymotic diseases occasioned 43 deaths, being equal to 37.7 per cent. of total deaths, or 2.2 more than the same rate for the Borough, and 6.2 more than that for the Parish. Tubercular diseases occasioned 16 deaths, being equal to 14.0 per cent. of total deaths, or 1.7 more than the same rate for the Borough and Parish. The number of deaths registered as due to Atrophy and Debility was 5 (all children below 2 years of age), being equal to 4.3 per cent. of total deaths, or 1.7 less than the same rate for the Borough, and 1.4 less than that for the Parish. The deaths of children below 5 years of age amounted to 49, being equal to 43.0 per cent. of deaths at all ages, or 5.0 less than the same rate for the Borough, and 2.0 less than that for the Parish. The deaths from Bronchitis amounted to 13 (4 of children below 5 years of age, and 9 of adults above 30), being equal to 11.4 per cent. of total deaths, or 0.4 in excess of the same rate for the Borough.

The death rate of the district to the estimated population was 44.7 per 1000, or 9.6 per 1000 in excess of the rate for the Borough.

During the year 140 cases of Zymotic diseases, of which 45 were of Small Pox, and 77 of Typhus and Relapsing Fever, were gratuitously attended in this district by the Parochial Medical Officers.

1872.—This was not a year of epidemic prevalence, and only one death



from Fever was reported in this district. The deaths from Zymotic diseases amounted to 26, being equal to 29.5 per cent. of total deaths, or 5.1 in excess of the same rate in the Borough, and 7.3 in excess of that in the Parish. The diseases which helped to swell Zymotics this year were Measles, Hooping Cough, and Infantile Diarrhœa. Tubercular diseases accounted for 11 deaths, being equal to 12.5 per cent. of total deaths, or 2.3 less than the same rate for the Borough, and 1.9 less than that for the Parish. The number of deaths registered as due to Atrophy and Debility was 3, being equal to 3.4 per cent. of total deaths, or 3.5 less than the same rate for the Borough, and 3.1 less than that for the Parish. The deaths of children below five years of age amounted to 41, being equal to 46.6 per cent. of deaths at all ages, or 2.2 less than the same rate for the Borough, but 1.1 more than that for the Parish. The deaths from Bronchitis amounted to 7, (1 below five years of age, and 6 above thirty), being equal to 7.9 per cent. of total deaths, or 4.3 less than the same rate for the Borough.

The death rate of the district to the estimated population was 35.4 per 1000, or 8.4 per 1000 in excess of the rate for the Borough.

During the year 23 cases of Zymotic diseases, of which 16 were of Fever, were gratuitously attended in this district by the Parochial Medical Officers.

1873.—This also was a non-epidemic year, Scarlatina not having shown itself until the last or December quarter. There was only 1 death from Typhus recorded in the district. The deaths from Zymotic diseases amounted to 29, being equal to 27.8 per cent. of total deaths, or 9.5 in excess of the same rate in the Borough, and 9.7 in excess of that in the Parish. The diseases which swelled the rate of Zymotic mortality were Measles, Scarlatina, Hooping Cough, Croup, and Infantile Diarrhœa. Tubercular diseases occasioned 15 deaths, being equal to 14.4 per cent. of total deaths, or 0.8 less than the same rate for the Borough, and 0.6 less than that for the Parish. The number of deaths registered as due to Atrophy and Debility was 5 (all children below 2 years of age), being equal to 4.8 per cent. of total deaths, or 2.1 less than the same rate for the Borough, and 1.3 less than that for the Parish. The deaths of children below five years of age amounted to 57, being equal to 54.8 per cent. of deaths at all ages, or 9.7 more than the same rate for the Borough, and 12.5 more than that for the Parish. The deaths from Bronchitis amounted to 17 (7 of children below five years of age, and 9 of adults above thirty), being equal to 16.3 per cent. of total deaths, or 2.0 in excess of the same rate for the Borough.

The death rate of the district to the estimated population was 42.9 per 1000, or 17.1 per 1000 in excess of the rate for the Borough.



During the year 12 cases of Zymotic diseases, of which 6 were of Fever, were gratuitously attended in this district by the Parochial Medical Officers.

1874.—The prevailing disease of the town during this year was Scarlet Fever, the mortality from which had been in excess during the latter months of 1873, but began to assume all the virulence of a widespread and fatal epidemic very early in 1874. It occasioned in this district, however, only 9 deaths, being equal to 10·4 per cent. of total deaths, or 1·2 less than the same rate in the Borough, and 1·4 less than that in the Parish. Typhus accounted for 3 deaths, being equal to 3·4 per cent. of total deaths, or 0·7 more than the same rate for the Borough, and 0·4 more than that for the Parish. Total Zymotics accounted for 24 deaths, being equal to 27·9 per cent. of total deaths, or 1·4 less than the same rate for the Borough, but 1·3 more than that for the Parish. Tubercular diseases accounted for 7 deaths, being equal to 8·1 per cent. of total deaths, or 3·6 less than the same rate for the Borough, and 3·4 less than that for the Parish. The deaths registered as due to Atrophy and Debility were 5 (all infants below one year of age), being equal to 5·8 per cent. of total deaths, or the same rate as that for the Parish, but 0·9 more than that for the Borough. The deaths of children below five years of age amounted to 37, being equal to 43·0 per cent. of deaths at all ages, or 6·9 less than the same rate for the Borough, and 3·2 less than that for the Parish. The deaths from Bronchitis amounted to 21 (7 of children below five years of age, and 14 of adults above thirty), being equal to 24·4 per cent. of total deaths, or 11·8 in excess of the same rate for the Borough.

The death rate of the district to the estimated population was 36·4 per 1000, or 4·5 per 1000 in excess of the rate for the Borough.

During the year 26 cases of Zymotic diseases, of which 10 were of Typhus and 3 of Scarlatina, were gratuitously attended in this district by the Parochial Medical Officers.

## No. 2 DISTRICT.

This district is situated partly in Vauxhall Ward and partly in Exchange Ward, and is bounded on the north by Cavendish Street, on the south by Great Crosshall Street, on the east by Scotland Road, Scotland Place, and Byrom Street, and on the west by Marybone and Johnson Street. Its highest level above the Old Dock Sill is 68 feet in Standish Street, and its lowest 40 feet in Great Crosshall Street. It embraces an area of 14·85 acres, with a population of 489 per acre. There are on this area 1,164 houses, of which 53 are at present unoccupied. The average population per house of inhabited houses is 6·5. The character of the houses and of their inhabitants may be judged of by the following facts. There are in the district 25 public-houses



and 3 beerhouses. If we except these, and the houses and shops situated in the tolerably wide streets of Byrom, Great Crosshall, Scotland Road, Scotland Place, and Marybone, which form the boundary of the district, we find that there are left 1,054 houses, of which 501 are court houses and 553 are front houses. Of these 1,054 houses, 869 are on the sublet registry, and 49 are licensed lodging-houses; and thus there are only 136 houses which, though of the same character as to rent and size, are not known to be occupied by more than one family. The average rent paid by the chief or landlord's tenant is 6s. per week for front houses containing six rooms, and 4s. 6d. for those containing three rooms. The landlord's rent for court houses is 3s. per week. The average rent paid by the sub-tenant for a single room in front houses is 2s. 6d., and for a single room in court houses 1s. 9d. per week. The average cubical space is from 1,200 feet to 800 feet in six-roomed houses, and from 900 feet to 700 feet in three-roomed houses.

There are at the present time in this district only the comparatively small number of 140 persons in receipt of Parochial Relief.

There are in this district 13 cellars used as separate dwellings, all of which would be illegal if the Public Health Act, 1848, was in force in the Borough. In the case of three of these cellars, Nos. 31, 45, and 57, Great Crosshall Street, the Inspector of Nuisances has issued notices to the owners that they are illegal even under the provisions of the Local Act, and must be discontinued as separate habitations.

This district used to be the worst and most unhealthy in the Borough of Liverpool. As such it was referred to by the Medical Officer in his Annual Report for 1865, when describing a bad Fever district, he says "it contains towards its south-western side a cluster of streets lying between Great Crosshall Street, Standish Street, and Marybone, especially notable for the wretched condition and overcrowded state of the houses, and for the low character and unsettled habits of its indigent inhabitants. Here are Milton Street, Harrison Street, Standish Street, Sawneypope Street, Hodson Street, Fontenoy Street, Addison Street, Bispham Street, Henry Edward Street, Adlington Street, and Lace Street, which constantly stand high in the death registry of the Parish."

It was also in this district at No. 2 Court, Bispham Street, that in the following year the first case of Cholera occurred, and the Medical Officer, in his Report for 1866, says "the locality is one only too well known to the Sanitary Officers; being inhabited by the lowest of the Irish population, and situated in the worst part of what may be justly described as the chief Fever district of the Parish."



Great changes have since been effected in this district; and under the provisions of the 1864 Improvement Act, and between the years 1866 and 1871, there have been demolished 107 houses, besides sundry out-buildings, privies, &c. Other improvements have also been effected at a total cost of £20,813, including £1,553 for law charges, and £5,356 for demolishing the property which had been bought, making good the flagging, and constructing water closets, drains, &c.

The only street of this block which still continues in a most unsatisfactory state is Harrison Street, which is really only a passage, being 189 yards in length and 11 feet 6 inches in width. The Medical Officer found that the 1864 Act would only allow alterations of courts, and therefore could not be beneficially applied to Harrison Street, unless means were found to open the entrances leading from Marybone and Scotland Road. He therefore asked the Improvement Committee to co-operate by buying seven houses and premises which would open the entrances, and thus enable him to finish the required work by report to the Grand Jury. The Committee so far met the Medical Officer's wishes as to have the property valued, but, having done so, they expressed through the Town Clerk a regret that they could not recommend the proposal to the Council. The reason apparently of the Committee's rejection of it was its expense.

The London and North Western Railway Company have lately purchased large blocks of houses between Addison Street and the Railway Cutting, but the Medical Officer has no information as to the extent of ground space which it is proposed eventually to utilise for trade purposes; nor the number of the population which will be displaced; nor the mode in which the scheme will affect the conditions on which property was bought and improved under the provisions of the 1864 Act. If greater facility for the removal of goods for trade purposes be given by the proposed alterations, it may probably lead to the substitution of workshops and business premises for many of the present cottages in the district.

### HEALTH OF THE DISTRICT.

1870.—Relapsing Fever was very prevalent in this district, and caused no less than 55 deaths, 15 of which were children below two years of age, and 32 were persons between thirty and eighty years of age. There were also 16 deaths from Typhus, making the percentage rate of deaths from Fever equal to 16·3 of the total mortality, or 10·6 more than the same rate for the Borough, and 10·1 more than that for the Parish. Zymotic diseases occasioned 122 deaths, which was equal to 28·0 per cent. of total deaths, or 1·3 less than the



same rate for the Borough, but 1·6 more than that for the Parish. Tubercular diseases occasioned 42 deaths, being equal to 9·6 per cent. of total deaths, or 3·8 less than the same rate for the Borough, and 2·9 less than that for the Parish. The number of deaths registered as due to Atrophy and Debility was 38 (35 of which were of children below two years of age), being equal to 8·7 per cent. of total deaths, or 1·2 more than the same rate for the Borough, and 0·8 more than that for the Parish. The deaths of children below five years of age amounted to 179, being equal to 41·1 per cent. of deaths at all ages, or 9·5 less than the same rate for the Borough, and 5·7 less than that for the Parish. The deaths from Bronchitis amounted to 102 (22 of children below five years of age and 78 of adults above thirty), being equal to 23·4 per cent. of total deaths, or 10·9 in excess of the same rate for the Borough.

The death-rate of the district to the estimated population was 50·8 per 1,000, or 19·7 per 1,000 in excess of the rate for the Borough.

During the year 1,721 cases of Zymotic diseases, of which 1,628 were of Typhus and Relapsing Fever, were gratuitously attended in this district by the Parochial Medical Officers.

1871.—Smallpox occasioned 23 deaths, being equal to 6·3 per cent. of total deaths, or 4·7 less than the same rate for the Borough, and 2·4 less than that for the Parish. Relapsing Fever was still prevalent in this district and occasioned 24 deaths, chiefly of persons between thirty and eighty years of age. Typhus accounted for 12 deaths, and the percentage rate of mortality from Fever to total deaths was, therefore, equal to 9·9, or 4·7 more than the same rate for the Borough, and 4·3 more than that for the Parish. Zymotic diseases occasioned 118 deaths, being equal to 32·6 per cent. of total deaths, or 2·9 less than the same rate for the Borough, but 1·1 more than that for the Parish. Tubercular diseases accounted for 31 deaths, being equal to 8·5 per cent. of total deaths, or 3·8 less than the same rate for the Borough and Parish. The number of deaths registered as due to Atrophy and Debility was 23 (18 of which were of children below two years of age), being equal to 6·3 per cent. of total deaths, or 0·3 more than the same rate for the Borough, and 0·6 more than that for the Parish. The deaths of children below five years of age amounted to 168, being equal to 46·4 per cent. of deaths at all ages, or 1·6 less than the same rate for the Borough, but 1·4 more than that for the Parish. The deaths from Bronchitis amounted to 79 (29 of children below five years of age and 48 of adults above thirty), being equal to 21·8 per cent. of total deaths, or 10·8 in excess of the same rate for the Borough.

The death-rate of the district to the estimated population was 43·7 per 1,000, or 8·6 per 1,000 in excess of the rate for the Borough.



During the year 637 cases of Zymotic diseases, of which 88 were of Small-pox and 442 of Typhus and Relapsing Fever, were gratuitously attended in this District by the Parochial Medical Officers.

1872.—Fever accounted for 9 deaths, being equal to 2·9 per cent. of total mortality, or 0·6 less than the same rate for the Borough, and 0·4 less than that for the Parish. Zymotic diseases occasioned 57 deaths, being equal to 18·5 per cent. of total deaths, or 5·9 less than the same rate for the Borough, and 3·7 less than that for the Parish. Tubercular diseases accounted for 43 deaths, being equal to 13·9 per cent. of total deaths, or 0·9 less than the same rate for the Borough, and 0·5 less than that for the Parish. The number of deaths registered as due to Atrophy and Debility was 28 (20 of which were of children below two years of age), being equal to 9·0 per cent. of total deaths, or 2·1 more than the same rate for the Borough, and 2·5 more than that for the Parish. The deaths of children below five years of age amounted to 135, being equal to 43·8 per cent. of deaths at all ages, or 5·0 less than the same rate for the Borough, and 1·7 less than that for the Parish. The deaths from Bronchitis amounted to 91 (35 of children below five years of age, and 53 of adults above 30), being equal to 29·5 per cent. of total deaths, or 17·3 in excess of the same rate for the Borough.

The death-rate of the district to the estimated population was 38·4 per 1,000, or 11·4 per 1,000 in excess of the rate for the Borough.

During the year 104 cases of Zymotic diseases, of which 64 were of Fever, were gratuitously attended in this district by the Parochial Medical Officers.

1873.—Typhus accounted for 4 deaths, being equal to 1·5 per cent. of total deaths, or 1·0 less than the same rate for the Borough, and 0·9 less than that for the Parish. Zymotic diseases occasioned 39 deaths, being equal to 15·0 per cent. of total deaths, or 3·3 less than the same rate for the Borough, and 3·1 less than that for the Parish. Tubercular diseases accounted for 41 deaths, being equal to 15·8 per cent. of total deaths, or 0·6 more than the same rate for the Borough, and 0·9 more than that for the Parish. The number of deaths registered as due to Atrophy and Debility was 11 (6 of which were of children below two years of age), being equal to 4·2 per cent. of total deaths, or 2·7 less than the same rate for the Borough, and 1·9 less than that for the Parish. The deaths of children below five years of age amounted to 96, being equal to 37·0 per cent. of deaths at all ages, or 8·1 less than the same rate for the Borough, and 5·3 less than that for the Parish. The deaths from Bronchitis amounted to 71 (19 of children below five years of age, and 49 of adults above thirty), being equal to 27·4 per cent. of total deaths, or 13·1 in excess of the same rate for the Borough.



The death-rate of the district to the estimated population was 33·3 per 1,000, or 7·5 per 1,000 in excess of the rate for the Borough.

During the year 72 cases of Zymotic diseases, of which 23 were of Typhus, were gratuitously attended in this district by the Parochial Medical Officers.

1874.—Scarlet Fever accounted for thirty deaths, being equal to 8·6 per cent. of total deaths, or 3·0 less than the same rate for the Borough, and 3·2 less than that for the Parish. Typhus accounted for 10 deaths, being equal to 2·9 per cent. of total deaths, or 0·2 more than the same rate for the Borough, but 0·1 less than that for the Parish. Zymotic diseases occasioned 84 deaths, being equal to 24·0 per cent. of total deaths, or 5·3 less than the same rate for the Borough, and 2·6 less than that for the Parish. Tubercular diseases accounted for 55 deaths, being equal to 15·7 per cent. of total deaths, or 4·0 more than the same rate for the Borough, and 4·2 more than that for the Parish. The number of deaths registered as due to Atrophy and Debility was 16 (15 of which were children below two years of age), being equal to 4·5 per cent. of total deaths, or 1·5 less than the same rate for the Borough, and 1·3 less than that for the Parish. The deaths of children below five years of age amounted to 154, being equal to 44·1 per cent. of deaths at all ages, or 5·8 less than the same rate for the Borough, and 2·1 less than that for the Parish. The deaths from Bronchitis amounted to 73 (28 of children below five years of age, and 41 of adults above thirty), being equal to 20·9 per cent. of total deaths, or 8·3 in excess of the same rate for the Borough.

The death-rate of the district to the estimated population was 46·5 per 1,000, or 14·6 per 1,000 in excess of the rate for the Borough.

During the year 180 cases of Zymotic diseases, of which 70 were of Typhus and 23 of Scarlatina, were gratuitously attended in this district by the Parochial Medical Officers.

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Shortly after the publication of the foregoing report a Memorial was received by the Town Clerk from the Rev. Henry George Vernon and twelve other ratepayers asking that the provisions of the Artizans' Dwellings Act might be put in force in a part of what in the report was termed No. 2 District.

The Medical Officer was called upon to answer the Memorial, and did so in the following report on the 22nd July.

REPORT.—The Medical Officer has frequently and carefully inspected the district to which the Memorial refers, and begs to state that in addition to his report of the 1st inst., (printed by order of the Health Committee) from the statistics of which the Memorialists quote, he has, as directed by the Liver-



pool Amendment Act, 1864, made several reports to the Grand Jury in respect of the condition of the houses of those streets.

He believes that much of the sickness and demoralisation of the District is due to imprudence, improvidence, personal uncleanness, and bad social habits of the people, as the amount of structural defects in houses and their surroundings is now less than what is found in several other districts of the town.

He is not at present prepared, with the exception of widening Harrison Street and making certain slight alterations in Back Milton Street, to recommend to the Council any improvement scheme for the district under the provisions of the 38 and 39 Vict., cap. 36, nor to report that in his opinion the area is an unhealthy one for the purposes of that Act.

The Medical Officer of Health will shortly, with the assistance of the Borough Engineer, bring before the Health Committee plans showing the position of the houses and courts in Harrison Street and Milton Street, and the alterations and demolitions which he considers desirable.

The plan for the alteration of Harrison Street and Milton Street with an explanatory letter was forwarded to the Health Committee on the 11th August, but the Medical Officer had previously explained by the following report the principle which in his opinion ought to influence the Council in making their first alterations under the Act.

### FIRST REPORT UNDER THE ACT 38 AND 39 VICT., CAP. 36, THE NASH GROVE SCHEME.

Before putting into force the provisions of the Artizans' Dwellings Act, the Medical Officer considers that due regard should be had to some of the peculiar conditions of the Houses and Courts of Liverpool, and the character of their inhabitants. The chief evils with which we have to contend in respect to the Dwellings of our Labourers are badly-constructed courts, cellar or underground habitations, and back-to-back houses in streets. All courts with narrow entrances, confined yards, back-to-back houses, and ends either totally or partially closed, ought to be considered as devoid of proper air and ventilation, and therefore unfit for human habitation. Such courts are found in all the old built-up districts of the town, and wherever they do exist are constant menaces to the health of neighbourhoods, and sure to become, in epidemic years, the active foci of infectious diseases. As they are scattered in position rather than aggregated in blocks they seldom cover any large amount of area, and their demolition would not, as a rule, give space for carrying out an improvement scheme such as is contemplated by the 9th



section of the Act, unless the demolition of houses was extended to good and healthy dwellings. Such wholesale demolition would necessitate an enormous expenditure without any commensurate advantage, and it is difficult to realise where the demolition might not eventually extend in order to frame improvement schemes for houses in scattered courts which require to be removed. It would absolutely be prejudicial to health, insomuch as it would displace large sections of the people in order to remedy a local evil; and would be a policy worthy of those American theorists, who, from always advocating heroic and root-and-branch measures, were known as "Barn-burners," after the act of a husbandman, who to drive out rats burnt down the farm premises. The Medical Officer believes that the most prudent, and certainly the most useful and economical plan will be to provide spaces for the erection thereon of Labourers' Dwellings in several districts, and then gradually to pull down bad courts, restricting, however, the demolition to the court houses. The areas left by such demolition would be available for many trade purposes, and could be sold at a price pretty nearly to recoup the cost of original purchase.

The necessity of first providing improved dwellings for the reception of the displaced people, before proceeding to any great extent with the demolition of ill-constructed and unhealthy courts, will be very evident if we consider the present condition of a vast number of the houses which have attached to them separate cellar habitations. No cellar habitations are fit abodes for the families of working men; but such cellars as are not in perfect accordance with the requirements of the 67th clause of the Public Health Act, 1848, ought to be condemned as unfit for human habitation, because of the want of light, air, and ventilation. They are as bad, and even worse, than confined court houses, and as likely to become the foci of disease and to spread infection.

The number of these wretched underground places, to which poverty and want drive the people, is very great; and it is melancholy to observe that as structural alterations displace the inhabitants of localities near the marts of trade and commerce in the lower parts of the town, a rush is made to those streets in Everton and elsewhere which are cursed with cellar habitations. So much so is this the case, that streets which a very few years since were decent and respectable are fast becoming as low, degraded, and demoralised as were some of the worst parts of Vauxhall Ward. A time must soon arrive when streets with cellar habitations will fulfil the conditions contemplated by Mr. Cross's Bill, and be the seats of great mortality, and "highly injurious to the moral and physical welfare of the inhabitants." When that occurs it is difficult to conceive how the demolition of long lines of houses and cellars situated on narrow and confined slips of land can be made to afford space for a scheme of



improved dwellings other than that of pulling down the houses and rebuilding them on the same spots, but without the separate cellars beneath. The proper way of meeting the evil would be by structural improvements—such as are made by Lord Shaftesbury's Association in London ; but the law gives a local authority no power to modify or alter premises. It must be demolition or nothing.

Another reason for not, without due preparation, hurrying on the demolition of houses and courts is the fact, too well known to those who visit and work among the poor, that sickness and demoralisation of districts are as frequently due to the improvidence and home habits of the people as to any structural defects of houses or insanitary condition of their surroundings. It is in the low sub-let districts, where families live without regard to sex or age, in single room habitations, that this evil of personal neglect and uncleanness, tending to sickness, most largely prevails ; and we should be careful not to increase the area of these miserable places by suddenly and unpreparedly throwing sections of the people houseless by our so-called improvements. We should never forget that vice and bad habits are infective, and that the tendency of the wretched is to be gregarious and crowd together, and that it would be worse than a mistake to compel poor decent families to leave self-contained houses, even in badly-constructed courts, to seek shelter and herd with the improvident and vicious in those dens of misery in the low sub-let districts of the town.

With these preliminary remarks in justification of the principle which directs his first official action under Mr. Cross's Bill, the Medical Officer begs to invite the consideration of the Health Committee to a District marked out and coloured on the accompanying Map, and a greater part of which was scheduled for demolition of houses and other structural alterations under the Liverpool Local Improvement Act, 1867. It is bounded by Scotland Road, Lawrence Street, Cazneau Street, and Chaucer Street, and its topographical form, as shown by the numbers transferred to the plan from a contour map, is that of a valley or hollow basin, with steep descents from Scotland Road and Cazneau Street. It thus wants the very first hygienic requirement of a healthy site for houses, especially for houses in a smoky place like the Parish of Liverpool, viz :—Sufficient elevation to admit around them of a free movement and circulation of air. It should from this character of its physical geography be at once condemned as an undesirable locality for residences however well-built or judiciously designed ; but the houses, courts, and cellars which are found as residences in Nash Grove, Grosvenor Street, and M'Kee Street, are such as only a perverse ingenuity could have constructed. It certainly is not now, and probably never was at any time, in the power of



individual owners of property in the locality to remedy the evil of position as regards sites for houses; for, to do so, the surface of the land should be levelled up for several feet throughout its whole extent, and this could only be done by an owner in possession of the entire area. If, however, as the Medical Officer proposes, the work be undertaken by the Corporation under the powers of the Artizans' Dwellings Act, it could be done, he believes, easily, quickly, and at a comparatively small cost; especially at the present time, while railway excavations near at hand are producing large quantities of otherwise useless stone and rubble. When the surface of the whole area is properly prepared, it will form a most admirable position for a scheme of Artizans' Dwellings. The place is central and bordering on important thoroughfares. It is also near some of the worst districts of the north of the town, and could be made to supply the accommodation which will be required as soon as the demolition of bad courts is proceeded with.

The proposition which the Medical Officer wishes to make, with the approval of the Health Committee, is as follows:—He will, acting by the authority and under the provisions of the 38th and 39th Vic., c. 36, officially certify that in his opinion the street houses numbered 2, 4, 6, 8, 10, 12, 14, and 16, Nash Grove, with the separate cellars attached, and the courts numbered 2, 4, 6, 8, 10, 12 of the said street, and containing 62 houses, are by reason of bad position and construction unfit for human habitation, and should be demolished; also, that the courts in M'Kee Street, numbered 1, 3, 5, 7, 9, 11, containing 16 houses, and the courts numbered 3, 4, 6, 8, in Grosvenor Street, containing 31 houses, are of a construction prejudicial to health, and should be demolished. He will also certify that in his opinion, and for the interest of the health of the inhabitants, the physical geography of the whole area, as described in this report, and bounded by Scotland Road, Lawrence Street, Cazneau Street, and Grosvenor Street, requires to be altered so far as regards elevation of surface, and that it should also be opened to free ventilation by a thoroughfare between Cazneau Street and Scotland Road, and he will ask that an improvement scheme be made by the Local Authority in accordance with his certificate.

The Medical Officer believes that on the four acres (more or less), as shown on the plan, an excellent scheme to satisfy both the Council and the Local Government Board could be made without disturbing any of the valuable shops and houses of Scotland Road other than those which were proposed to be demolished under the Improvement Act of 1867; but as he is without any experience as a surveyor, he must leave this, and also the mode of dealing with the houses of Lawrence Street, to be decided by the Council under the advice of the Borough Engineer. Apart from Scotland Road and Lawrence Street,



the demolition of houses (other than those condemned by certificate) will be as follows, viz:—In Nash Grove 10 houses with and 8 without cellars; in Grosvenor Street, 22 houses with and 8 without cellars; in M'Kee Street, 6 with and 8 without cellars. The Medical Officer has, in his office, the population of each house at the present time, including, if required, those of Scotland Road and Lawrence Street.

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On the 5th October, in consequence of a letter received from Mr. Moulding, Clerk to the Toxteth Board of Guardians, the Medical Officer made the following report to the Health Committee.

REPORT.—The Medical Officer of Health, as required by the 15th clause of the Artizans' Dwellings Act, begs to make an Official Representation in respect of No. 2 Court, Gore Street, to which on account of an outbreak of Fever therein, and the removal therefrom of 13 cases to Hospital, his attention was called by order of the Toxteth Board of Guardians.

He has carefully inspected the place, and investigated the facts connected with its health condition.

The Court, which contains 14 houses, is situated in a crowded district, and has also several original defects of construction, which must seriously interfere with thorough ventilation, and must impede that perflation and circulation of air through inhabited rooms which is necessary for the maintenance of perfect health.

The only entrances to the Court are two narrow arched passages; its area, which has a superficies of 1,309 feet for the use of the 14 houses, is, with exception of the openings of the two passage entrances, itself enclosed and surrounded by buildings.

The 14 houses of the Court are shallow, straight up and down tenements, built back to back with the houses of adjoining courts.

There are blind cellars beneath the houses of the Court; that is, cellars without any door access from the area. Such cellars are neither meant nor used for habitation, and are not bad except in so far as they are apt to become the foci of infection by being the receptacles of straw, old bedding, and other such rubbish, as was the case in this Court at the time of the Medical Officer's visit.

The Court has the great advantage of being an undivided property, owned by a wealthy Company, and managed by one agent. It has been kept in good repair, and therefore, though radically bad in construction, it can, as regards the general sanitary arrangements for, and home conditions of, its residents, compare not unfavourably with numerous other courts of the Borough. It cannot be called a very bad Court.



The Medical Officer took some pains to inquire into the history of the Fever epidemic, which prevailed in the Court between the 1st July and 18th August of this year, and which gave rise to the resolution of the Toxteth Guardians at their meeting of August 19th.

He has come to the conclusion that the epidemic was due to the infection being spread by the neglect of proper precautions, both as regards early disinfection of the premises and care in the communication of the healthy with the sick.

The first case was that of a woman (Mrs. Howard), residing at No. 11 house in the Court. She was, after ten days of sickness, removed to Hospital on the 9th July, and died on the 11th. It appears that she was drinking heavily both before and during her attack of sickness, and that her companions, friends, and relations residing in the houses, Nos. 1, 4, 7, and 10 of the Court, were accustomed during her illness to drink for hours with her in the sick-room.

No notice of Mrs. Howard's sickness was received at the Municipal Offices, and it was only on the 19th July, 10 days after her removal to Hospital, and 3 weeks after her first attack of sickness, that the Registrar's return of her death drew attention to the Court as requiring disinfection. The consequences were what might have been expected; the contagion had had a free scope, and her visitors and members of their families, twelve in number, including her own children and husband, sickened, and had within a few weeks to be removed to Hospital.

The Medical Officer finds that, until the sickness of Mrs. Howard, there had been during three years only one case of infectious disease reported as having existed in the Court, and that was a case of Fever in October, 1873, which recovered, and did not spread among the inhabitants. He also finds that from the year 1872 to August, 1875, there were only registered four deaths of persons in or removed from the Court. Among these deaths is included that of the above-mentioned Mrs. Howard, the other deaths were a boy aged 15, from Pneumonia, in April, 1875, a man aged 22, from Phthisis, in July, 1875, and a child aged 10 months, from Marasmus and Diarrhoea, in July, 1875.

The Medical Officer, after much careful consideration of all these circumstances, has come to the conclusion that he cannot consistently certify the Court as an unhealthy area for the purposes of the Act.

The Medical Officer, although he did not consider that action should be taken in reference to Gore Street, presented on 7th October the following Report in reference to another district of Toxteth Park.

## SECOND REPORT UNDER THE ACT 38 AND 39 VICT., CAP 36, FEVER DISTRICT OF TOXTETH.

The Medical Officer of Health, acting under the provisions of the Artizans' Dwellings Act, begs to bring before the Committee for their con-



sideration the health condition of that part of South Toxteth Ward which is bounded on the north by Warwick Street, on the south by Northumberland Street, on the east by Mill Street, and on the west by Grafton Street. It occupies a superficial area of  $11\frac{1}{4}$  acres, and contained at the census of 1861 a population of 7,266, in 1,093 houses. It is the most unhealthy part of that larger district extending from Stanhope Street to Northumberland Street, which was described by the Medical Officer, in his Report for 1865, as the southern Fever district of the Borough. Since the census of 1861, there appears to have been in this district a large decrease of population—a circumstance not the less remarkable, because the last census returns show that, unlike what was the case in all the Wards of the Parish of Liverpool, there has been in the Toxteths as a whole an increase of population.

A careful house to house inspection, and a painstaking numbering of the people in September of this year by the Lodging and Sublet House Inspectors, under the direction and superintendence of Inspector Wilson, showed that there were only 6,136 inhabitants in 1,078 houses, being equal to a decrease of 15 per cent. of population in 14 years.

The Medical Officer, assuming that the statistics from actual numbering in 1861 and 1875 to be correct, has calculated the population in the intervening years of which he has statistics of death, and has framed on that calculation the following table of rates of mortality :—

Year.	Estimated Population.	Deaths from all causes.	Rate of Mortality per 1000 of Population.	Deaths from Zymotic Diseases.	Percentage of Zymotic Deaths to Deaths from all causes.
1865	6923	372	53·7	141	37·9
1866	6843	389	56·8	189	48·5
1867	6758	191	28·2	44	23·0
1868	6677	212	31·7	44	20·7
1869	6597	216	32·7	67	31·0
1870	6519	266	40·8	113	42·4
1871	6440	298	46·2	118	39·6
1872	6362	176	27·6	43	24·4
1873	6286	169	26·8	38	22·4
1874	6211	278	44·7	106	38·1

This table shows that during the whole ten years from 1865 to 1874 inclusive, the rate of total mortality was excessive, and that this was markedly



so from those Zymotic diseases which science believes to be largely preventible by sanitary measures.

The Medical Officer will be prepared to make the necessary official representation founded on the above facts and statistics whenever, in the opinion of the Health Committee, it will be for the interests of the public that such representation should be made. He has mentioned in the following letter to the Town Clerk, which was laid before the Committee on the 30th September, the reasons which induce him not at once to issue the required official representation :—

DEAR SIR,—I enclose an official certificate respecting the Houses, Courts, and Alleys situated on or running off the south side of Harrison Street, and I wish that you would arrange that such certificate be read in connection with the certificate for the Nash Grove Scheme, as this scheme (for which I am indebted to Mr. Newlands' reports and plans for the town improvement under the Act of 1867) is intended to meet any required demolition of houses in the neighbourhood. I need not add that mere demolition will not meet the requirements of Mr. Cross's admirable Act; on the contrary, to demolish houses where sickness does or has largely prevailed, and simply allow the population of such localities to spread themselves over other and already-crowded and badly-constructed districts would be to spread an evil rather than remedy a defect, and I think, with due submission to what may be the wishes of the Council, that demolition should not be extensively used unless we have a fair guarantee that, according to the wording and spirit of the Act, capitalists and others will be prepared to assist in finding improved houses for the displaced inhabitants of the districts, and we cannot know what capitalists will be prepared to do unless we have land which they can purchase, and upon which they can build.

The great difficulty which I see before me in dealing with the Fever districts of Toxteth Park, which are both extensive and bad, is the want of a district such as that of Nash Grove, which can be devoted to a reconstruction scheme without displacing a numerous class of inhabitants. I see that in London they have been fortunate enough to obtain vacant spaces of land near the districts which it is proposed to bring under the operation of Mr. Cross's Act by the certificates of their Medical Officers, and that already the City Corporation have begun, and in some cases completed, the erection of blocks of Improved Dwellings to meet the requirements which are certain to follow the putting in force of the demolition clauses of the Artizans' Dwellings Act (see *Daily News* of 21st September.)

I was taken rather suddenly ill yesterday after I saw you, and am to-day too weak and upset to venture down; but I still hold to my determination of calling as soon as possible the consideration of the Health Committee to a bad section of the Fever district of Toxteth Park, namely, that situated between Northumberland Street on the South, Warwick Street on the North, Mill Street on the East, and Grafton Street on the West, and I wish you would be kind enough to mention my



determination to the Committee, and ask them to instruct some practical men, like Mr. Coogan or Mr. Sadler, to examine and try to find out vacant spaces of land, or land like that of Nash Grove, which I could, if it meets the approval of the Committee, include in a certificate as required by the Act. The whole Fever district so called of Toxteth Park is described in my report for 1865; and although the section to which I purpose to specially call the attention of the Council is the worst part and should be dealt with as soon as possible, yet the whole district extends from Stanhope Street on the North to Northumberland Street on the South, and there are also nooks of buildings in the lower parts of Toxteth which will have to be dealt with under the Act. Will you be kind enough to show my Fever map of 1865 to the Committee, and ask them to contemplate the injury to the whole Borough by any certificate which would displace such large sections of a community without previous or contemporaneous arrangement for their housing. Persons who remember the effects of removing the population of cellars under the direction of Newlands and my predecessor Dr. Duncan—two of the most judicious men I ever met with—will readily understand the evils which might accrue from the sudden and unprepared displacement not alone of the inhabitants of cellars, but of houses of Streets and Courts, and the necessity, therefore, of our seeing our way to a reconstruction scheme contemporaneously with the enforcing of the demolition clauses. In the event of my not being able to find any area or vacant space for the purpose of permitting capitalists to erect thereon improved dwellings without displacing large and, speaking in a sanitary sense, dangerous classes of the community, I intend to suggest the plan which used to be advocated by Newlands in respect of the Texteths, namely, the running of streets through the districts from East to West, instead of as at present from North to South, and such an alteration in the direction of streets could be made gradually and without any sudden displacement, and would be, I am led to believe, a paying improvement of property.

I remain, Dear Sir,

Yours truly,

W. TRENCH.

JOSEPH RAYNER, Esq.,  
*Town Clerk.*



**INSPECTOR OF NUISANCES' REPORT FOR THE YEAR ENDING  
DECEMBER, 1875.  
UNWHOLESOME MEAT AND FISH SEIZED AND DESTROYED.**

DATE.—1875.		Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry & Birds.	Rabbits.	Fish.	Shell- fish.	
		Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head	Head	Lbs.	Bags.	
SLAUGHTER HOUSES.	Abattoir .....	76146	2704	15530	..	6335	..	..	..	..	
	Bevington Hill .....	32864	4685	324	..	1070	..	..	..	..	
	Bolton Street .....	110	..	..	..	..	..	..	..	..	
	Cotter Street .....	..	..	30	..	..	..	..	..	..	
	Embleton Street .....	120	45	..	..	..	..	..	..	..	
	Gelling Street .....	5774	514	125	..	..	..	..	..	..	
	Hood Street .....	..	65	..	..	..	..	..	..	..	
	Leeds Street .....	650	..	..	..	740	..	..	..	..	
	Milk Street .....	450	96	..	..	938	..	..	..	..	
	Parliament Street .....	2423	416	227	..	..	..	..	..	..	
	Railway Arch (30) ..	9440	..	..	..	260	..	..	..	..	
	Stanley Street .....	15110	204	133	..	1569	..	..	..	..	
MARKETS.	Upper Milk Street ..	6070	..	378	..	1250	..	..	..	..	
	Cleveland Square ....	..	..	..	..	..	..	..	168	1	
	Gill Street .....	..	..	..	..	2513	..	..	..	..	
	Pownall Square .....	..	..	..	..	..	..	..	14	..	
	St. John's .....	1067	47	449	..	147	279	621	184511	121	
	St. James' .....	886	318	158	..	312	..	3	..	..	
	St. Martin's .....	484	..	..	..	4	..	12	40	..	
	Scotland Road .....	..	..	..	..	13	..	3	199	..	
	Athol Street .....	30	..	..	..	..	..	..	..	..	
	Anson Street .....	..	35	..	..	..	..	..	..	..	
	Christian Street .....	..	..	..	..	30	..	..	..	..	
	Clarence Dock .....	..	..	..	..	260	..	..	..	6	
OTHER PARTS.	Breck Road .....	..	..	..	..	..	..	..	26	..	
	Byrom Street .....	..	..	..	..	102	..	..	..	..	
	Burlington Street ....	120	..	..	..	..	..	..	..	..	
	Brownlow Hill .....	..	..	..	..	..	..	13	..	..	
	Brunswick Road .....	..	..	..	..	..	..	..	10	..	
	Dale Street .....	100	..	65	..	180	..	..	..	..	
	Fox Street .....	..	..	..	..	..	..	..	92	..	
	Great George Place ..	36	..	..	..	..	..	..	..	..	
	Great Homer Street ..	60	..	..	..	5	..	..	1054	..	
	Great Howard Street ..	..	..	..	..	..	..	..	211	..	
	Great Charlotte Street	..	..	..	..	..	..	..	23527	..	
	Gt. Northern Railway ..	..	..	..	..	..	..	..	4480	..	
	Hill Street .....	5	..	..	..	..	..	..	..	..	
	Lodge Lane .....	..	..	..	..	..	..	..	10	..	
	Lime Street Station ..	86	..	..	..	..	..	..	11260	..	
	Manesty Lane .....	..	..	..	..	..	..	..	2464	..	
	Midghall Street .....	..	..	..	..	..	..	..	109	..	
	Marybone .....	..	..	..	..	14	..	..	..	..	
	Nelson Dock .....	..	..	..	..	200	..	..	..	..	
	Northumberland St. ...	560	..	..	..	..	..	..	..	..	
	Park Road .....	..	..	..	..	..	..	8	..	..	
	Pembroke Place .....	..	..	..	..	..	..	..	9	..	
	Prescot Street .....	17	..	..	..	..	..	..	..	..	
	Paddington .....	..	..	22	..	..	..	..	..	..	
	Rose Street .....	..	..	..	..	..	8	27	36226	..	
	Roe Street .....	514	..	..	..	..	..	..	256	..	
	Sawney Pope Street ..	..	..	..	..	..	..	..	64	..	
	Sandon Dock .....	..	..	..	..	300	..	..	..	..	
	Upper Milk Street ..	..	..	..	..	..	..	..	3581	..	
	William Henry Street ..	..	..	..	..	..	..	..	110	..	
	Warwick Street .....	410	56	..	..	..	..	..	..	..	
	Vauxhall Road .....	..	..	..	..	..	..	..	15	..	
TOTAL .....		153532	9185	17441	..	16242	287	687	262498	128	..

St. John's Market... 400 lbs. Plums.  
St. James' Market... 12 lbs. Cherries.  
Queen's Square... 273 Cocoa Nuts.

Number of Informations for Exposing Diseased Meat and Fish, &c., for Sale ..	98
"    Fined .....	83
"    Sent to Gaol .....	2
Amount of Fines .....	£241 17s. 6d.



# SLAUGHTER-HOUSE RETURNS OF CATTLE KILLED IN THE BOROUGH, 1875.

	STREET.	Beasts.	Sheep.	Lambs.	Calves.	Pigs.	Goats.
	Abattoir .....	33908	204192	..	13400	21902	..
NEW PARTS.	Arch No. 30 .....	467	2475	139	..	14	..
	Arch No. 42 .....	820	1251	..	4	13	..
	Back Castle Street .....	615	2408	180	..	2	..
	Back Empire Street .....	177	786	375	3	..	..
	Back Mount Vernon Green .....	508	6365	1177	..	..	..
	Browside .....	548	1317	295	..	..	..
	Byles Street .....	1	2656	640	..	..	..
	Corlett Street .....	462	1960	403	..	..	..
	Cotter Street .....	129	778	51	..	1478	..
	Crown Street .....	366	1396	258	13	1	..
	Darnley Street .....	..	..	..	..	1686	..
	Edgeware Street .....	290	813	429	..	3	..
	Embleton Street .....	455	1930	453	4	84	..
	Foley Street .....	1360	3988	314	7	3	..
	Gelling Street .....	671	1469	569	145	5	..
	Grinfield Street .....	70	224	13	..	..	..
	Head Street (No. 1) .....	145	1950	672	..	1	..
	Head Street (No. 2) .....	..	201	147	..	2117	..
	Knight Street .....	240	1001	415	..	..	..
	Parliament Street .....	390	1281	562	135	10	..
	Peel Street .....	88	500	217	6	..	..
OLD PARTS.	Bachelor Street .....	269	1675	637	79	1	..
	Back Commutation Row (1) .....	579	3391	516	..	..	..
	" " (2) .....	421	2382	519	..	..	..
	Benledi Street .....	647	1986	504	..	..	..
	Bevington Hill .....	2118	1957	68	455	..	..
	Bolton Street .....	906	1734	1218	44	..	..
	Brownlow Hill .....	101	376	182	..	..	..
	Byrom Street .....	..	..	..	..	835	..
	Duke Street Lane .....	430	697	304	4	5	..
	Finch Place .....	799	3804	1053	42	..	..
	Frederick Street .....	384	1378	294	..	1	..
	Hodson Street .....	295	1435	492	..	..	..
	Hood Street .....	2017	4448	2237	117	..	..
	Leeds Street .....	734	1085	..	..	5388	..
	Lower Milk Street .....	..	..	..	..	2372	..
	Lydia Ann Street .....	314	90	276	..	..	..
	Norfolk Street .....	1423	2256	442	..	..	..
	Norman Street .....	..	..	..	..	781	..
	Plumbe Street .....	..	..	..	..	2409	..
	Prices Street .....	462	1612	244	2	2	..
	Scotland Road .....	180	543	155	..	..	..
	Soho Street .....	..	..	..	..	2579	..
	Stanley Road .....	1266	1531	140	100	733	..
	St. James' Street .....	364	1035	174	..	..	..
	Upper Milk Street .....	1508	1186	50	..	8747	..
	Total in Private Slaughter-houses .....	23019	69350	16814	1160	29270	..
	Total in the Borough .....	56927	273542	16814	14560	51172	..



## NUISANCES.

Nuisances inspected, complained of by the Inhabitants	...	...	...	...	2,707
"    Reported by District Inspectors	...	...	...	...	61,449
"    Notices issued	...	...	...	...	33,634
"    Referred to the Medical Officer	...	...	...	...	90
"    "    "    Borough Engineer	...	...	...	...	1,795
"    "    "    Building Surveyor	...	...	...	...	537
"    "    "    Water Engineer	...	...	...	...	7,940
"    "    "    Superintendent of Scavengers	...	...	...	...	8,603
Number of Informations	...	...	...	...	1,496
"    fined	...	...	...	...	282
Magistrates Orders to abate	...	...	...	...	368
Number withdrawn and acquitted	...	...	...	...	846
Amount of fines	...	...	...	...	£118 16 6

## HOUSE TO HOUSE VISITATION.

Number of Streets examined	...	...	...	...	2,983
"    "    "    houses examined	...	...	...	...	49,474
"    "    "    "    found clean	...	...	...	...	44,662
"    "    "    "    "    dirty	...	...	...	...	4,812
Apartments in Street houses examined	...	...	...	...	174,736
Number of Courts examined	...	...	...	...	4,328
"    "    "    houses examined	...	...	...	...	22,009
"    "    "    "    found clean	...	...	...	...	17,923
"    "    "    "    "    dirty	...	...	...	...	4,086
Apartments in Court houses examined	...	...	...	...	66,786
Re-inspection of dirty houses	...	...	...	...	19,619
Total number of houses examined	...	...	...	...	91,102

## COURT AND PRIVY EXAMINATIONS.

Number of Visits to Courts and Alleys	...	...	...	...	122,648
"    "    Closets found dirty but cleaned during the Officer's Inspection	...	...	...	...	55,036

## CELLAR EXAMINATION.

Number of Streets in which Cellars have been inspected	...	...	...	...	2,319
"    "    Cellars inspected	...	...	...	...	24,355
"    "    "    "    exempt from operation of the Act	...	...	...	...	4,576
"    "    "    "    found empty	...	...	...	...	9,951
"    "    "    "    illegally occupied	...	...	...	...	478
"    "    "    "    legally	...	...	...	...	9,350
"    "    Courts in which Cellars have been inspected	...	...	...	...	2,507
"    "    Cellars inspected	...	...	...	...	12,176
"    "    "    found empty	...	...	...	...	9,475
"    "    "    illegally occupied	...	...	...	...	179
"    "    "    legally	...	...	...	...	2,522
Number of Cellar Informations	...	...	...	...	151
"    Fined	...	...	...	...	129
"    Acquitted and Withdrawn	...	...	...	...	22
"    of Cellar Notices issued	...	...	...	...	825
Amount of Fines	...	...	...	...	£15 9 0



## INFECTIOUS DISEASES IN HOUSES.

1,254 Street Houses inspected containing	1,725 cases.
446 Court " " "	603 "
58 Cellars " " "	80 "
Number of Notices to Owners to cleanse Houses in which Infectious Disease has occurred	1,947
Number of Notices to Occupiers to Whitewash Dirty Houses	10,530
" " " to Owners to Whitewash the exteriors of Courts	2,324
Renewed Notices to Whitewash	5,051
Number of Informations against Infected and Dirty Houses	550
Number Fined	118
Number Acquitted and Withdrawn	432
Amount of Fines	£52 12 0

## SHIPPON AND PIGGERY INSPECTION.

Number of Shippon and Piggeries inspected	930
" " Informations	32
" Fined	26
Amount of Fines	£9 16 0

## WATER CLOSET INSPECTION.

Number of Privies certified	51
" " converted into Closets	16

There are 35 Privies standing over by order of the Health Committee and the Magistrates.

## SMOTHERED CATTLE.

Beasts.	Sheep.	Pigs.	Number found good.	Number found bad.	Weight of Bad in pounds.
154	66	29	73	186	70816

## REMOVALS TO MORTUARIES AND HOSPITALS.

Bodies Removed to Mortuaries.			Persons Removed to Hospitals.			
Smithdown Rd.	St. Martin's.	Anfield.	Brownlow Hill.	Mill Road.	Toxteth Park.	Netherfield Rd.
2	18	0	37	2	5	83

## PROCEEDINGS FOR EXCESSIVE SMOKE.

Number of Informations against Manufactories	201
" " " Steamers	61
" Fined	240
" Acquitted or Withdrawn	22
Amount of Fines	£265 9 0

## PROCEEDINGS UNDER THE ADULTERATION ACT.

Number of Articles purchased for Analysis	96
" " Informations	14
" " Fined	14
Amount of Fines	£39 17 0



## REPORT

EPA

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DEATHS REGISTERED IN THE BOROUGH OF LIVERPOOL,  
DURING THE YEAR 1875 ENDING SATURDAY, 1st JANUARY, 1876.



# H. J. DEATH

## JOURNAL

DATE		PLACE		REMARKS	
1890	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
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14	14	14	14	14	14
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100	100	100	100	100	100