

**[Report 1871] / Medical Officer of Health, Liverpool City.**

**Contributors**

Liverpool (England). City Council.

**Publication/Creation**

1871

**Persistent URL**

<https://wellcomecollection.org/works/j4998sfp>

**License and attribution**

You have permission to make copies of this work under a Creative Commons, Attribution license.

This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection  
183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
E [library@wellcomecollection.org](mailto:library@wellcomecollection.org)  
<https://wellcomecollection.org>

REPORT  
OF THE  
HEALTH OF LIVERPOOL

DURING THE YEAR 1871,


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

Medical Officer of Health for the Borough.



LIVERPOOL :  
BENSON & HOLME, PRINTERS, 10, CASTLE STREET.

1872.



Digitized by the Internet Archive  
in 2017 with funding from  
Wellcome Library

<https://archive.org/details/b29737059>

## DECADE 1861-70.

---

THE population of the Borough of Liverpool at the Census of April 3rd, 1871, was 493,346. This shows an increase of 49,408 inhabitants since the previous Census in 1861. The per centage rate of this increase during the ten years was 11.13, and the per centage annual geometrical rate was 1.06. The number of inhabited houses at the period of the Census of 1871 was 78,434, which gives an average of 6.3 persons for each house; it also shows an increase of 12,653 occupied houses over the returns made at the Census of 1861, when the number of inhabited houses was 65,781, and the average of inhabitants per house 6.7. While the population and house accommodation of the Borough became enlarged, there was in the Parish—the limits of the old Borough—a diminution of 2,717 in the number of inhabited houses, and a falling off of 31,389 in the number of its inhabitants. This lessening of residents in the Parish, or central districts of the town, would have been altogether a desirable result, if the cause which led to it had been simply the migration of the people to more airy and salubrious localities in the Out-Townships, but, unfortunately, we find that during the decenniad the deaths within the Parish exceeded by 2,660 the number of births during the same period. The present average of inhabitants per house within the Parish is 6.9; it was 7.2 at the Census of 1861.

There were erected within the Borough, during the interval between the two Census periods, 15,223 houses, or 680 in the Parish and 14,543 in the Out-Townships. Of these houses, 499 were cottages, at a rental below £12 per annum, especially adapted for the accommodation of the labouring classes;

12,181 were houses at a rental between £12 and £25, and designed for the better classes of artisans; 1,654 were at a rental between £25 and £35, and 889 were at rentals exceeding £35.

The number of houses which were demolished within the Borough during the ten years (1861-70) amounted to 1,717, or to 1,416 in the Parish and 301 in the Out-Townships. This does not include the various tenements in the business parts of the town which were, during the same period, converted into stores, offices, shops, or workrooms, and ceased to be inhabited as dwellings; nor does it include the houses in courts and streets which have been bricked up and closed by the owners.

The number of deaths registered in the Borough during the ten years (1861-70) was 156,205, and of these 76,301, equal to 48·8 per cent., were children under five years of age. During the same period zymotic diseases occasioned 45,814, tubercular diseases 22,175, and diseases of the lungs 26,775 deaths. Of the deaths from the zymotic class of diseases 1,411 were due to small pox, 4,094 to measles, 7,303 to scarlatina, 5,417 to hooping cough, 8,785 to diarrhoea (of whom 7,820 were children below five years of age), and 11,358 to fever. Inquests for sudden or violent deaths were held on 8,306 bodies, of which 2,849 were children under five years of age.

There were, during the ten years, epidemics of typhus fever, of cholera, of relapsing fever, and of small pox. The epidemic of typhus, which began during the cotton famine, continued during the years 1863-4-5 and 6. Asiatic cholera prevailed during 1866. Small pox was largely in excess of the ordinary average during the years 1864-5 and 1870; measles during the years 1866-7-8 and 9; scarlatina during the years 1866-9 and 1870; hooping cough during the year 1866; diarrhoea during the years 1864-5-6-8-9 and 1870. Relapsing fever was epidemic during 1870, and though the full extent of its fatal effects did not appear directly on the death registry of the disease, yet the weakness in which it left vast numbers of the poor prepared the way to an increase of deaths from pulmonary and other functional diseases, and added vastly to the fatal effects of the small pox epidemic of 1871.

The following table illustrates some facts of interest in connection with the several Registration Districts of the Borough during the ten years 1861-70.

POPULATION OF	1861.	1871.	Per Centage Geometrical Annual Rate of Decrease.	No. of Houses in 1861.	No. of Houses in 1871.	Average Population per House in 1871.	Houses Erected since Census of 1861.	Houses Demolished since Census of 1861.
Scotland Ward .....	81228	77016	1.00533	11056	11009	6.9	315	232
Vauxhall Ward .....	24816	18779	1.02826	3226	2874	6.5	39	83
St. Paul's and } Wards.....	29078	24078	1.01904	3930	3418	7.0	1	156
Exchange }								
Castle Street and } Wards.....	16827	9208	1.06214	2031	1267	7.2	19	359
St. Peter's }								
Pitt Street and } Wards .....	29142	23470	1.02188	3625	2965	7.9	21	346
Gt. George }								
Rodney Street and } Wards.....	47410	45580	1.00392	6901	6701	6.8	161	36
Abercromby }								
St. Anne's and } Wards .....	41241	40222	1.00250	6272	6000	6.6	124	204
Lime Street }								
Parish of Liverpool .....	269742	238353	1.01244	37041	34324	6.9	680	1416
<hr/>								
			Per Centage Geometrical Annual Rate of Increase.					
Everton and } Wards.....	70983	123953	1.05733	11830	21541	5.7	8028	146
Kirkdale }								
West Derby Ward.....	36527	50681	1.03329	6378	9180	5.5	3001	—
Toxteths .....	66686	80359	1.01882	10532	13389	6.0	3514	155
Out-Townships .....	174196	254993	1.03884	28740	44110	5.7	14543	301
Borough .....	443938	493346	1.010608	65781	78434	6.3	15223	1717

# REPORT, 1871.

DURING the fifty-two weeks of the year 1871 (terminating on Saturday, 30th December, 1871), the Returns of the Local Registrars record 18,305 births and 17,366 deaths within the Borough of Liverpool.

Of the births, 9,347 were males, and 8,958 were females ; making the total Birth-rate of the Borough equal to 37·0 per 1,000.

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.....	420	403	390	349	404	352	349	354	3021
	Vauxhall .....	87	85	86	67	78	73	75	78	629
	St. Paul's and Exchange.....	99	120	95	100	105	85	99	102	805
	St. Anne's and Lime Street...	157	171	171	155	173	144	169	172	1313
	Castle Street and St. Peter's	32	28	25	33	26	26	26	34	230
	Pitt Street and Gt. George...	87	95	94	78	72	70	93	89	678
	Rodney St. and Abercromby..	258	207	204	176	213	207	186	174	1625
Out-Townships.	Everton and Kirkdale.....	689	667	615	580	617	631	629	611	5029
	West Derby .....	245	282	252	199	239	222	255	217	1911
	The Toxteths.....	396	436	400	364	365	357	382	364	3064
Parish.....		1146	1109	1065	958	1071	957	997	1004	8301
Out-Townships.....		1330	1385	1267	1143	1211	1210	1266	1192	10004
Borough.....		2476	2494	2332	2101	2282	2167	2263	2196	18305

Of the 17,366 deaths, 9,019 were of males, and 8,347 of females ; 9,286 occurred in the Parish, and 8,080 in the Out-townships.

The Death-rate of the Borough was equal to 35·1 per 1000.

The Death-rate of the Parish was equal to 39·0, and that of the Out-townships to 31·4 per 1000 of the population.

The deaths occurred in the following districts :—

### D E A T H S.

DISTRICTS.		1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Annual.
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Deaths.
Parish.	Scotland .....	472	456	290	277	322	293	294	251	2655
	Vauxhall .....	100	91	67	64	74	78	57	68	599
	St. Paul's and Exchange .....	145	133	82	78	102	80	88	82	790
	St. Anne's and Lime Street .....	217	199	140	134	151	161	138	122	1262
	Castle Street and St. Peter's .....	33	34	30	37	23	30	33	21	241
	Pitt Street and Great George .....	97	133	80	98	98	72	63	73	714
	Rodney Street and Abercromby.....	131	150	118	114	117	107	87	99	923
	Parish Workhouse and Hospitals.....	452	373	271	208	203	142	257	196	2102
Out Townships.	Everton and Kirkdale .....	546	533	423	407	495	433	407	364	3608
	West Derby .....	170	165	156	161	167	159	174	151	1303
	The Toxteths.....	359	416	326	347	234	253	239	261	2435
	Out Township Hospitals .....	221	90	161	61	57	38	52	54	734
Parish .....		1647	1569	1078	1010	1090	963	1017	912	9286
Out-Townships .....		1296	1204	1066	976	953	883	872	830	8080
Borough .....		2943	2773	2144	1986	2043	1846	1889	1742	17366

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 1,848 of the deaths in these establishments under the wards and districts from whence the patients were removed, viz., 481 under Scotland Ward, 208 under Vauxhall Ward, 195 under St. Paul's and Exchange Wards (Dale Street District,) 260 under St. Anne's and Lime Street Wards (Islington District,) 38 under Castle Street and St. Peter's Wards (St. George's District,) 162 under Pitt Street and Great George's Wards (St. Thomas's District,) 144 under Rodney Street and Abercromby Wards (Mount Pleasant District,) 246 under the Out-Townships of Everton and Kirkdale, 90 under that of West Derby, and 24 under those of the Toxteths. This will, however, still leave unclassified 988 deaths of persons whose previous residences were either unknown or are not specified.

The results of the alterations occasioned by a re-arrangement of the deaths in the wards and districts from whence the patients were removed will be shown in the following table, from which a calculated rate of mortality per 1,000 of the inhabitants has been made.

DISTRICTS AND WARDS.	Annual.	
	Deaths.	Rate per 1000.
Scotland . . . . .	3136	40.7
Vauxhall . . . . .	807	43.2
St. Paul's and Exchange . . . . .	985	41.0
St. Anne's and Lime Street . . . . .	1522	37.8
Castle Street and St. Peter's . . . . .	279	31.1
Pitt Street and Great George . . . . .	876	37.4
Rodney Street and Abercromby . . . . .	1067	23.4
Everton and Kirkdale . . . . .	3854	30.7
West Derby . . . . .	1393	27.2
The Toxteths . . . . .	2459	30.4
Parish and Out-Township Workhouses and Hospitals, residences unknown . . . . .	988	...
Borough . . . . .	17366	35.1

The average age at death of the inhabitants of the Borough during the twelve months of the year 1871 was 22 years, in the Parish 24 years, and in the Out-Townships 20 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 Diarrhoea was rife.

WARDS.	QUARTERS.								YEAR 1871.		
	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 .....	18	19	18	19	12	14	19	22	17	18	18
Vauxhall .....	20	25	17	17	12	14	27	27	19	21	20
St. Paul's.....	21	19	21	20	18	27	23	30	21	24	23
Exchange .....	26	23	30	22	18	15	27	28	25	22	24
St. Anne's .....	17	19	19	19	11	14	16	23	16	19	18
Lime Street.....	15	26	20	19	16	21	28	32	20	24	22
Castle Street .....	13	33	21	37	23	23	25	17	20	27	24
St. Peter's .....	25	24	22	23	14	7	28	23	22	19	21
Pitt Street .....	21	24	18	20	13	17	30	30	20	23	22
Great George .....	23	19	15	20	22	19	22	23	20	20	20
Rodney Street.....	21	34	23	18	25	31	32	35	25	29	27
Abercromby .....	26	36	21	26	25	31	23	38	24	33	29
Parish Workhouse } and Hospitals..... }	36	30	38	34	37	34	38	38	37	34	36
Everton & Kirkdale...	19	20	17	22	13	16	20	23	17	20	18
West Derby .....	21	22	21	23	14	14	19	20	19	20	20
North Toxteth .....	17	24	17	23	19	15	22	28	19	22	21
South Toxteth .....	18	21	16	19	13	17	17	26	16	21	18
Out-Township Work- } house and Hospital }	23	25	22	17	35	27	34	35	28	26	27
Parish .....	24	24	24	23	20	20	26	29	23	24	24
Out-Townships ...	20	22	18	22	16	16	24	25	19	21	20
Borough .....	22	23	21	23	18	18	25	27	21	23	22

The deaths of infants below the fifth year of their age amounted to 8,348, and thus comprised 48·0 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...	928	567	615	545	2655	{ 57·9
	{ Below 5 years..	507	298	419	314	1538	
Vauxhall.....	{ Total Deaths...	191	131	152	125	599	{ 54·4
	{ Below 5 years..	91	74	108	53	326	
St. Paul's .....	{ Total Deaths...	170	86	86	88	430	{ 50·4
	{ Below 5 years..	88	44	45	40	217	
Exchange .....	{ Total Deaths...	108	74	96	82	360	{ 48·0
	{ Below 5 years..	52	30	54	37	173	
St. Anne's.....	{ Total Deaths...	289	175	212	174	850	{ 57·5
	{ Below 5 years..	169	93	145	82	489	
Lime Street.....	{ Total Deaths...	127	99	100	86	412	{ 51·9
	{ Below 5 years..	71	54	56	33	214	
Castle Street....	{ Total Deaths...	17	25	12	17	71	{ 42·2
	{ Below 5 years..	8	8	6	8	30	
St. Peter's .....	{ Total Deaths...	50	42	41	37	170	{ 54·1
	{ Below 5 years..	21	25	30	16	92	
Pitt Street.....	{ Total Deaths...	77	55	57	49	238	{ 52·1
	{ Below 5 years..	41	29	34	20	124	
Great George.....	{ Total Deaths..	153	123	113	87	476	{ 53·5
	{ Below 5 years..	74	74	65	42	255	
Rodney Street .....	{ Total Deaths..	147	90	90	76	403	{ 42·4
	{ Below 5 years..	60	51	37	23	171	
Abercromby .....	{ Total Deaths...	134	142	134	110	520	{ 39·6
	{ Below 5 years..	51	63	55	37	206	
Parish Workhouse and Hospitals.....	{ Total Deaths...	825	479	345	453	2102	{ 16·7
	{ Below 5 years..	172	69	59	52	352	
Everton and Kirkdale....	{ Total Deaths...	1079	830	928	771	3608	{ 55·8
	{ Below 5 years..	556	436	618	405	2015	
West Derby.....	{ Total Deaths...	335	317	326	325	1303	{ 55·5
	{ Below 5 years..	171	151	211	191	724	
North Toxteth.....	{ Total Deaths...	383	346	236	247	1212	{ 54·1
	{ Below 5 years..	200	187	150	119	656	
South Toxteth .....	{ Total Deaths...	392	327	251	253	1223	{ 55·5
	{ Below 5 years..	209	175	158	137	679	
Out-Township Workhouse and Hospitals.....	{ Total Deaths...	311	222	95	106	734	{ 11·8
	{ Below 5 years..	48	26	4	9	87	
Parish .....	{ Total Deaths...	3216	2088	2053	1929	9286	{ 45·0
	{ Below 5 years..	1405	912	1113	757	4187	
Out-Townships .....	{ Total Deaths..	2500	2042	1836	1702	8080	{ 51·4
	{ Below 5 years..	1184	975	1141	861	4161	
Borough .....	{ Total Deaths...	5716	4130	3889	3631	17366	{ 48·0
	{ Below 5 years..	2589	1887	2254	1618	8348	

AGES.	QUARTERS.				ANNUAL.	
	March.	June.	Sept.	Dec.	Deaths.	Rate per 1,000 of the Population.
Deaths at 1 year and under.....	1401	1013	1568	967	4949	10.0
„ between 1 year and 5.....	1188	874	686	651	3399	6.8
„ „ 5 „ 20.....	596	434	276	241	1547	3.1
„ „ 20 „ 60.....	1934	1424	1045	1305	5708	11.5
„ above 60 years.....	588	385	313	462	1748	3.5
„ at ages unknown.....	9	...	1	5	15	0.03
„ at all ages.....	5716	4130	3889	3631	17366	35.1

The Registrars' returns show that there were 14 deaths (11 of women and 3 of men) above the age of 90, viz., 2 females and 1 male at 91, 2 females at 92, 3 females and 1 male at 93, 1 female at 94, 1 female at 96, 1 female at 98, and 1 male and 1 female at 100. The male at 100 died at No. 17, Alice Street, West Derby, and was a gardener by trade. The female aged 100 died in the Liverpool Workhouse, and was the widow of a tailor.

CLASSES.	QUARTERS.				YEAR.
	March.	June.	Sept.	Dec.	1871.
1. Zymotic Diseases .....	2201	1533	1577	861	6172
2. Diseases of Uncertain Seat .....	111	103	114	119	447
3. Tubercular Diseases .....	593	566	495	487	2141
4. Diseases of Brain, &c. ....	436	331	364	307	1438
5. „ of Heart, &c. ....	165	128	118	138	549
6. „ of Lungs, &c. ....	1142	602	360	758	2862
7. „ of Stomach, &c. ....	154	156	133	140	583
8. „ of Kidneys, &c. ....	40	49	33	47	169
9. Childbirth, Diseases of Uterus, &c. ....	35	25	22	28	110
10. Rheumatism, Diseases of the Joints, &c. ....	15	10	22	12	59
11. Diseases of the Skin, Cellular Tissue, &c. ..	31	18	23	34	106
12. Malformations .....	9	8	5	7	29
13. Premature Birth .....	65	57	34	60	216
14. Atrophy and Debility.....	269	239	299	235	1042
15. Old Age .....	134	101	72	115	422
16. Privation, Cold, &c.....	6	2	7	1	16
17. Inquests.....	285	188	199	270	942
Causes not specified .....	25	14	12	12	63
All Causes.....	5716	4130	3889	3631	17366
Total Zymotics .....	2201	1533	1577	861	6172
Small Pox .....	1062	679	150	28	1919
Measles.....	186	156	82	49	473
Scarlatina .....	211	149	124	146	630
Whooping Cough .....	197	125	87	110	519
Diarrhoea.....	52	64	859	152	1127
Typhus and Infantile Fever.....	196	187	131	187	701
Relapsing Fever .....	130	28	12	37	207

## ZYMOTICS.

Zymotic diseases occasioned 6172 deaths during the year 1871, and thus accounted for 35.5 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 .....	2655	401	198	278	153	38.7
Vauxhall .....	599	79	58	63	27	37.8
St. Paul's ....	430	73	31	27	8	32.3
Exchange .....	360	29	17	36	17	27.5
St. Anne's.....	850	95	53	92	35	32.3
Line Street .....	412	34	33	40	19	30.5
Castle Street .....	71	6	7	3	1	23.9
St. Peter's.....	170	15	15	15	12	33.5
Pitt Street.....	238	20	15	22	4	25.6
Great George.....	476	60	55	50	21	39.0
Rodney Street .....	403	42	26	21	15	25.8
Abercromby .....	520	26	42	41	20	24.8
Liverpool Workhouse Hospital.....	1487	109	68	52	94	21.7
North Hospital .....	122	...	2	1	...	2.4
South Hospital .....	111	4	1	...	1	5.4
Royal Infirmary .....	187	1	...	1	1	1.6
Children's Infirmary .....	37	1	2	...	1	10.8
Lying-in Hospital .....	18	...	...	2	...	11.1
Ashfield Street Hospital..	140	106	31	...	...	97.8
Everton and Kirkdale...	3608	404	268	416	185	35.2
West Derby .....	1303	95	95	150	84	32.5
North Toxteth .....	1212	142	151	96	53	36.4
South Toxteth.....	1223	159	151	103	48	37.6
West Derby Union .....	422	150	115	28	47	80.5
Everton Hospital.....	34	10	13	6	5	100.0
Kirkdale Hospital .....	278	140	86	34	10	97.1
Parish .....	9286	1101	654	744	429	31.5
Out-Townships .....	8080	1100	879	833	432	40.1
Borough .....	17366	2201	1533	1577	861	35.5

## TYPHUS AND INFANTILE REMITTENT FEVER.

These diseases accounted within the Borough of Liverpool for 701 deaths, or for 404 in the Parish, and 297 in the Out-townships; the rate of their mortality was equal to 1.4 per 1000 per annum of the estimated population; their per-centage rate relatively to deaths from all causes was 3.4 during the first, 4.5 during the second, 3.3 during the third, and 5.1 during the fourth quarter of the year. Their deaths included 363 males and 338 females;

191 persons below the age of 15 ; 153 between the ages of 15 and 30, and 357 above the age of 30.

Every form of continued fever (with the exception of Relapsing Fever) is included under the generic term of typhus ; but the Registers of Deaths attribute 19 cases to gastric fever, 87 to typhoid fever, 27 to enteric fever, 6 to continued fever, 3 to brain fever, and 322 to typhus. Under the term of fever there were registered 163 deaths, under that of febris 32 deaths, under that of febricula 21 deaths, and under that of low fever 1 death. The deaths registered under the term of infantile remittent amounted to 20.

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 1871 ; 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 table marks in streets the habitats of the disease ; and the remaining tables the occupations and social positions of its victims.

WARDS.	Exact Average of Fever Deaths for Pre- ceding Ten Years.	Deaths from Fever during the Year 1871.
Scotland .....	145	101
Vauxhall .....	49	20
St. Paul's .....	25	9
Exchange .....	22	5
St. Anne's .....	44	36
Lime Street .....	17	9
Castle Street .....	4	1
St. Peter's .....	7	3
Pitt Street .....	13	3
Great George .....	29	24
Rodney Street .....	20	11
Abercromby .....	24	19
Everton and Kirkdale .....	117	102
West Derby .....	40	27
North Toxteth .....	58	35
South Toxteth .....	79	38
Hospital Deaths .....	409	258
Total.....	1102	701

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 ...	4	5	4	3	2	3	7	1	17	12	29
	Above 5 years ...	10	5	15	11	5	9	12	5	42	30	72
Vauxhall .....	Below 5 years ...	1	...	...	...	...	...	...	1	1	1	2
	Above 5 years ...	3	2	2	2	2	1	2	4	9	9	18
St. Paul's .....	Below 5 years ...	...	1	...	1	...	1	...	...	...	3	3
	Above 5 years ...	1	1	2	...	...	2	...	...	3	3	6
Exchange .....	Below 5 years ...	...	1	...	...	...	...	...	...	...	1	1
	Above 5 years ...	1	...	...	1	1	1	...	...	2	2	4
St. Anne's .....	Below 5 years ...	1	2	1	...	1	1	...	2	3	5	8
	Above 5 years ...	3	2	6	5	1	7	2	2	12	16	28
Lime Street .....	Below 5 years ...	...	...	1	1	...	...	...	...	1	1	2
	Above 5 years ...	1	1	1	1	1	1	...	1	3	4	7
Castle Street .....	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years ...	...	...	...	1	...	...	...	...	...	1	1
St. Peter's .....	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years ...	...	...	1	...	...	...	2	...	3	...	3
Pitt Street .....	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years ...	1	...	...	...	1	1	...	...	2	1	3
Great George .....	Below 5 years ...	2	3	3	2	...	...	1	...	6	5	11
	Above 5 years ...	3	2	2	2	...	2	...	2	5	8	13
Rodney Street .....	Below 5 years ...	1	...	...	...	...	...	...	...	1	...	1
	Above 5 years ...	2	...	1	...	2	1	...	4	5	5	10
Abercromby .....	Below 5 years ...	...	...	...	...	...	...	...	1	...	1	1
	Above 5 years ...	2	2	2	...	2	2	5	3	11	7	18
Parish Workhouses and Hospitals .....	Below 5 years ...	2	1	...	...	...	1	...	2	2	4	6
	Above 5 years ...	23	16	24	18	19	7	26	24	92	65	157
Out-Township Work- houses and Hospitals	Below 5 years ...	...	...	1	1	...	...	...	...	1	1	2
	Above 5 years ...	8	9	15	13	6	8	19	15	48	45	93
Everton and Kirkdale	Below 5 years ...	2	5	7	3	2	3	2	2	13	13	26
	Above 5 years ...	12	17	5	5	5	7	11	14	33	43	76
West Derby .....	Below 5 years ...	1	1	1	2	...	...	...	...	2	3	5
	Above 5 years ...	2	4	1	3	6	3	3	...	12	10	22
North Toxteth .....	Below 5 years ...	1	...	1	...	2	...	1	2	5	2	7
	Above 5 years ...	5	4	4	6	2	4	2	1	13	15	28
South Toxteth .....	Below 5 years ...	1	5	...	1	...	1	...	...	1	7	8
	Above 5 years ...	11	3	3	2	...	5	1	5	15	15	30
Parish .....	Below 5 years ...	11	13	9	7	3	6	8	7	31	33	64
	Above 5 years ...	50	31	56	41	34	34	49	45	189	151	340
Out-Townships .....	Below 5 years ...	5	11	10	7	4	4	3	4	22	26	48
	Above 5 years ...	38	37	28	29	19	27	36	35	121	128	249
Borough .....	Below 5 years ...	16	24	19	14	7	10	11	11	53	59	112
	Above 5 years ...	88	68	84	70	53	61	85	80	310	279	589

**List of Streets in the Borough wherein Three or more Deaths from Typhus and Infantile Fever occurred in 1871.**

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE PARISH.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Beau .....	2	3	5	Springfield .....	...	3	3
Blandford .....	4	...	4	Titchfield .....	3	...	3
Bond .....	3	3	6	Upper Frederick .....	3	1	4
Bostock .....	3	...	3	STREETS IN THE OUT-TOWNSHIPS.			
Brick .....	3	3	6				
Burlington .....	1	7	8	Arkwright .....	3	1	4
Carlton .....	2	5	7	China .....	3	...	3
Cherry Lane .....	3	...	3	Clifton .....	4	...	4
Christian .....	4	3	7	Darnley .....	4	2	6
Clayton .....	2	2	4	Great Homer .....	1	7	8
Clement .....	2	1	3	Gordon .....	5	...	5
Ennerdale .....	2	5	7	Gore .....	2	1	3
Ford .....	2	2	4	Howe .....	6	...	6
Gay .....	1	2	3	Hyslop .....	...	3	3
Great Richmond .....	3	1	4	Jenkinson .....	3	2	5
Hopwood .....	2	1	3	Lamport .....	4	...	4
Hornby .....	8	5	13	Llanrwst .....	...	5	5
Kitchen .....	2	5	7	Low Wood .....	3	...	3
Limekiln Lane .....	4	2	6	Mann .....	9	6	15
Milton .....	4	...	4	Milford .....	3	...	3
Naylor .....	3	1	4	Park Road .....	2	1	3
Newsham .....	1	2	3	Parliament .....	...	3	3
Paul .....	1	3	4	Prince Edwin .....	6	2	8
Peach .....	3	...	3	Prince William .....	...	3	3
Queen Anne .....	2	1	3	Robart .....	5	...	5
Rachel .....	1	2	3	Roscommon .....	3	...	3
Rathbone .....	1	3	4	Stanhope .....	2	2	4
Regent .....	3	...	3	Victoria .....	6	...	6
Rose Place .....	3	5	8	Wolfe .....	4	...	4
St. Anne .....	1	2	3				
Saltney .....	...	3	3				
Scotland Road .....	3	1	4				
Silvester .....	3	...	3				

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 1871.

**LIVERPOOL WORKHOUSE.**

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.	North Toxteth.	Unknown.	
Labourers.....	47	12	3	8	12	2	...	...	...	5	2	2	1	...	9	103
Tradesmen.....	10	...	...	...	3	1	1	1	...	1	2	3	...	...	7	29
Servants.....	6	1	...	1	4	1	...	...	...	...	2	2	...	...	3	20
Seamen.....	1	...	2	...	1	...	...	...	...	...	...	...	...	...	1	5
Unknown.....	1	2	...	...	...	...	...	...	...	...	...	...	1	...	1	5
Profession (Resident Surgeon of W'khouse)	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Males .....	42	7	3	4	8	1	...	1	...	3	4	4	1	...	13	91
Females .....	23	8	2	5	12	3	1	...	...	3	2	4	...	1	8	72
Total .....	65	15	5	9	20	4	1	1	...	6	6	8	1	1	21	163

## EVERTON HOSPITAL.

OCCUPATIONS.	St. Peter's.	Everton and Kirkdale.	Total.
Tradesmen .....	1	2	3
Males.....	1	1	2
Females.....	...	1	1
Total .....	1	2	3

## KIRKDALE HOSPITAL.

OCCUPATIONS.	WARDS.						Total.
	Scotland	Vauxhall	E'change	Pitt Street	Gt. George	Un-known	
Labourers .....	2	1	...	1	...	...	4
Tradesmen .....	...	...	...	...	...	1	1
Seamen .....	1	...	1	...	1	...	3
Males .....	1	1	1	1	1	1	6
Females .....	2	...	...	...	...	...	2
Total .....	3	1	1	1	1	1	8

## UNION WORKHOUSE.

OCCUPATIONS.	WARDS.			TOTAL.
	Everton and Kirkdale.	West Derby.	Unknown.	
Labourers .....	22	14	8	44
Tradesmen .....	23	2	1	26
Servants .....	4	3	...	7
Seamen .....	3	...	3	6
Profession (Resident Surgeon).....	1	...	...	1
Males .....	30	9	7	46
Females .....	23	10	5	38
Total.....	53	19	12	84

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 1871. (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.....	64	15	3	2	13	1	...	1	2	15	2	3	34	4	16	13	188
Tradesmen.....	31	4	4	3	20	6	1	2	1	6	4	14	52	21	16	20	205
Servants.....	1	...	1	...	2	1	...	...	...	...	2	...	3	1	...	...	11
Seamen.....	4	1	1	...	1	...	...	...	...	3	1	1	13	1	2	4	32
Soldiers.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Professions and Mercantile.....	...	...	...	...	...	1	...	...	...	...	2	1	...	...	...	...	4
Unknown.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2
Males.....	56	10	4	2	17	4	...	3	2	12	6	12	46	13	17	14	218
Females.....	45	10	5	3	19	5	1	...	1	12	5	7	56	14	18	24	225
Total.....	101	20	9	5	36	9	1	3	3	24	11	19	102	27	35	38	443

#### TOXTETH WORKHOUSE.

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

OCCUPATIONS.	WARDS.		TOTAL.
	North Toxteth.	South Toxteth.	
Labourers .....	4	14	18
Tradesmen .....	7	13	20
Servants .....	1	1	2
Seamen .....	1	5	6
Soldiers .....	...	1	1
Males .....	7	15	22
Females .....	6	19	25
Total .....	13	34	47

## RELAPSING FEVER.

Relapsing Fever occasioned 207 deaths, or 113 in the Parish, and 94 in the Out-Townships. The rate of its mortality was equal to 0·4 per 1000 of the estimated population of the Borough; its per-centage rate relatively to deaths from all causes was 1·2, and relatively to deaths from Zymotic diseases was 3·3.

## DEATHS FROM RELAPSING FEVER.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland .....	Below 5 years...	2	5	...	...	...	...	1	...	3	5	8
	Above 5 years...	3	9	1	2	2	1	1	2	7	14	21
Vauxhall .....	Below 5 years...	3	3	...	...	...	...	...	...	3	3	6
	Above 5 years...	5	4	...	1	...	...	1	5	6	11	
St. Paul's .....	Below 5 years...	...	...	...	1	...	...	...	...	1	1	
	Above 5 years...	1	3	...	1	...	...	...	1	4	5	
Exchange .....	Below 5 years...	...	1	...	...	...	...	...	...	1	1	
	Above 5 years...	3	3	1	...	...	...	1	1	5	4	9
St. Anne's .....	Below 5 years...	1	...	...	...	...	...	...	...	1	...	1
	Above 5 years...	...	1	...	...	...	1	...	...	...	2	2
Lime Street .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	1	...	1	...	...	...	...	2	...	...	2
Castle Street.....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	1	...	...	...	...	1	1	
Pitt Street .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	1	...	1	1	1	...	1	3	4	
Rodney Street .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	1	1	...	...	...	...	...	1	1	2	
Abercromby .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	1	...	1	1	
Parish Workhouses.....	Below 5 years...	...	...	...	1	...	...	...	...	1	1	
	Above 5 years...	6	7	5	6	1	1	6	5	18	19	37
Out-Townships, Work- houses and Hospitals.	Below 5 years...	1	...	...	...	...	...	2	1	2	3	
	Above 5 years...	25	19	...	...	...	...	1	4	26	23	49
Everton and Kirkdale...	Below 5 years...	1	...	...	...	...	...	...	1	...	1	
	Above 5 years...	1	3	...	...	...	...	4	2	5	5	10
West Derby .....	Below 5 years...	...	...	...	1	...	...	...	1	...	1	
	Above 5 years...	...	...	...	...	2	...	1	...	3	3	
North Toxteth.....	Below 5 years...	...	1	...	...	...	...	...	...	1	1	
	Above 5 years...	3	5	3	1	...	...	1	6	7	13	
South Toxteth .....	Below 5 years...	...	...	1	...	...	...	1	1	1	2	3
	Above 5 years...	2	5	...	1	1	...	1	...	4	6	10
Parish.....	Below 5 years...	6	9	...	2	...	...	1	...	7	11	18
	Above 5 years...	20	29	8	12	4	4	8	10	40	55	95
Out-Townships .....	Below 5 years...	2	1	...	1	1	...	1	3	4	5	9
	Above 5 years...	31	32	3	2	1	2	6	8	41	44	85
Borough.....	Below 5 years...	8	10	...	3	1	...	2	3	11	16	27
	Above 5 years...	51	61	11	14	5	6	14	18	81	99	180

List of Streets in the Borough wherein Three or more Deaths from  
Relapsing Fever occurred during 1871.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE PARISH.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Addison .....	...	4	4	Northampton .....	...	3	3
Adlington .....	3	1	4	Paul .....	2	4	6
Brick .....	2	1	3	Saltney .....	...	3	3
Burlington .....	1	3	4	Smithfield .....	...	3	3
Cherry Lane .....	3	...	3	Standish .....	3	...	3
Ennerdale .....	2	1	3	STREETS IN THE OUT TOWNSHIPS.			
Harrison .....	2	1	3				
Hornby .....	1	3	4	Darnley .....	...	4	4
Johnson .....	3	...	3	Gore .....	1	3	4
Milton .....	1	2	3	Mann .....	2	1	3
Naylor .....	2	1	3				

## SCARLATINA.

Scarlatina accounted during the year for 630 deaths, or for 222 in the Parish, and 408 in the Out-townships. The rate of its mortality was equal to 1.2 per 1,000 per annum of the estimated population. Its rate relatively to deaths from all causes was 3.6 per cent. in the first quarter, 3.6 in the second, 3.2 in the third, and 4.0 in the fourth quarter of the year; its annual rate relatively to all deaths was 3.6 per cent.

The first of the following tables gives a statistical history of the mortality of Scarlatina during the year 1871; 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...	17	6	4	7	10	6	15	8	46	27	73
	Above 5 years...	1	1	1	...	1	3	3	1	6	5	11
Vauxhall .....	Below 5 years...	...	1	2	1	1	1	1	2	4	5	9
	Above 5 years...	...	...	1	1	1	...	1	...	3	1	4
St. Paul's .....	Below 5 years...	...	...	...	...	1	...	...	...	1	...	1
	Above 5 years...	...	...	...	1	...	...	...	...	...	1	1
Exchange .....	Below 5 years...	2	...	...	2	1	2	...	1	3	5	8
	Above 5 years...	...	...	...	...	1	...	1	...	2	...	2
St. Anne's.....	Below 5 years...	8	3	2	1	4	4	3	...	17	8	25
	Above 5 years...	1	...	...	2	1	2	...	1	2	5	7
Lime Street.....	Below 5 years...	2	...	2	2	1	2	...	...	5	4	9
	Above 5 years...	1	...	1	1	...	...	...	...	2	1	3
Castle Street.....	Below 5 years...	...	...	1	...	...	...	...	...	1	...	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's.....	Below 5 years...	...	...	1	1	...	1	...	1	1	3	4
	Above 5 years...	...	1	...	...	...	...	...	1	...	2	2
Pitt Street .....	Below 5 years...	1	1	2	...	2	1	...	...	5	2	7
	Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
Great George .....	Below 5 years...	3	2	5	4	1	...	1	1	10	7	17
	Above 5 years...	3	...	...	...	...	...	1	...	4	...	4
Rodney Street .....	Below 5 years...	4	1	4	1	1	...	2	3	11	5	16
	Above 5 years...	1	1	...	...	...	1	...	...	1	2	3
Abercromby .....	Below 5 years...	...	2	1	4	1	...	1	1	3	7	10
	Above 5 years...	...	...	...	...	...	1	...	...	...	1	1
Parish Workhouses and Hospitals.....	Below 5 years...	...	...	...	...	...	...	1	...	1	...	1
	Above 5 years...	...	...	...	1	...	...	...	1	...	2	2
Out Townships Work- houses and Hospitals.	Below 5 years...	1	...	...	...	...	...	1	1	2	1	3
	Above 5 years...	1	2	2	2	1	1	...	1	4	6	10
Everton and Kirkdale...	Below 5 years...	12	27	11	10	15	19	26	11	64	67	131
	Above 5 years...	3	5	8	2	6	3	5	6	22	16	38
West Derby.....	Below 5 years...	15	15	10	8	2	5	8	8	35	36	71
	Above 5 years...	2	1	1	1	2	1	...	2	5	5	10
North Toxteth.....	Below 5 years...	16	13	4	9	2	4	6	9	28	35	63
	Above 5 years...	4	4	1	2	1	1	...	7	7	7	14
South Toxteth.....	Below 5 years...	7	10	5	7	4	2	5	3	21	22	43
	Above 5 years...	4	6	5	4	3	1	1	1	13	12	25
Parish .....	Below 5 years...	37	16	24	23	23	17	24	17	108	73	181
	Above 5 years...	7	3	4	6	4	7	6	4	21	20	41
Out Townships.....	Below 5 years...	51	65	30	34	23	30	46	32	150	161	311
	Above 5 years...	14	18	17	11	13	7	7	10	51	46	97
Borough .....	Below 5 years...	88	81	54	57	46	47	70	49	258	234	492
	Above 5 years...	21	21	21	17	17	14	13	14	72	66	138

List of Streets in the Borough wherein Three or more Deaths from  
Scarlatina occurred in 1871.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE OUT TOWNSHIPS.	HOUSES		Total.
	Front.	Court.			Front.	Court.	
Athol .....	3	...	3	Carter .....	3	...	3
Back Portland .....	4	1	5	Clive .....	1	3	4
Birchfield .....	4	...	4	Crow .....	3	...	3
Blenheim .....	...	3	3	Dinorben.....	3	...	3
Bond .....	2	1	3	Grafton .....	2	2	4
Bridgewater .....	3	...	3	Great Homer .....	3	1	4
Burlington .....	2	2	4	Jackson .....	3	...	3
Duke .....	3	1	4	Lancaster .....	6	...	6
Falkner .....	3	1	4	Lodge Lane... ..	4	...	4
Gerard .....	3	...	3	Louisa.....	3	...	3
Hornby .....	...	5	5	Lydiat .....	3	...	3
Huskisson .....	3	...	3	Mann .....	2	4	6
Lowther .....	3	...	3	Mason .....	2	2	4
Naylor .....	2	1	3	Northumberland .....	1	2	3
Penrhyn .....	1	3	4	Paddington .....	3	...	3
Portland .....	2	1	3	Park Road .....	4	...	4
Richmond Row .....	2	3	5	Prophet .....	1	3	4
Rose Place .....	1	2	3	Robsart .....	2	2	4
Scotland Road .....	1	2	3	Sophia .....	2	1	3
Townsend .....	4	...	4	Sherdley.....	3	...	3
Upper Frederick .....	4	3	7	Victoria .....	4	...	4
STREETS IN THE OUT-TOWNSHIPS.				Whitefield Lane .....	3	...	3
Aspinall .....	4	...	4	Wolfe .....	5	1	6
Barlow.....	3	...	3				

## MEASLES

Occasioned 473 deaths, of which 261 occurred in the Parish, and 212 in the Out-townships. Its per-centage death-rate relatively to deaths from all causes was 3·2 in the first quarter of the year, 3·7 in the second, 2·1 in the third, and 1·3 in the fourth ; its annual per-centage rate relatively to deaths from all causes was 2·7, and relatively to deaths from Zymotic causes 7·6.

WARDS.		QUARTERS.								YEAR.		
		March		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland .....	{ Below 5 years ...	11	10	4	5	2	5	7	6	24	26	50
	{ Above 5 years ...	1	...	...	1	...	...	...	1	1	2	3
Vauxhall .....	{ Below 5 years ...	3	2	4	2	1	1	...	...	8	5	13
	{ Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Paul's .....	{ Below 5 years ...	3	4	2	4	...	...	...	...	5	8	13
	{ Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Exchange .....	{ Below 5 years ...	1	...	2	1	...	...	...	...	3	1	4
	{ Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's .....	{ Below 5 years ...	6	7	2	3	3	...	...	1	11	11	22
	{ Above 5 years ...	...	...	1	1	...	...	...	...	1	1	2
Lime Street .....	{ Below 5 years ...	7	4	4	4	2	1	1	...	14	9	23
	{ Above 5 years ...	...	...	...	1	...	...	...	...	...	1	1
Castle Street .....	{ Below 5 years ...	1	...	1	3	...	1	...	...	2	4	6
	{ Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	{ Below 5 years ...	1	3	6	2	...	...	...	...	7	5	12
	{ Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street .....	{ Below 5 years ...	5	2	1	1	...	...	...	...	6	3	9
	{ Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Great George .....	{ Below 5 years ...	2	2	2	5	1	...	...	...	5	7	12
	{ Above 5 years ...	1	...	...	...	...	...	...	...	1	...	1
Rodney Street .....	{ Below 5 years ...	10	6	3	6	1	2	...	...	14	14	28
	{ Above 5 years ...	1	1	...	...	...	...	...	...	1	1	2
Abercromby .....	{ Below 5 years ...	1	4	8	9	2	1	...	1	11	15	26
	{ Above 5 years ...	...	1	...	...	...	...	...	...	...	1	1
Parish Workhouses and Hospitals .....	{ Below 5 years ...	12	12	1	1	...	1	1	3	14	17	31
	{ Above 5 years ...	1	...	...	...	...	...	...	1	1	1	2
Out Township Workhouses and Hospitals .....	{ Below 5 years ...	3	5	...	...	...	...	...	...	3	5	8
	{ Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale .....	{ Below 5 years ...	11	6	12	20	15	14	6	4	44	44	88
	{ Above 5 years ...	1	1	3	...	1	...	1	...	6	1	7
West Derby .....	{ Below 5 years ...	2	2	5	3	13	10	7	3	27	18	45
	{ Above 5 years ...	1	...	...	...	...	...	...	...	1	...	1
North Toxteth .....	{ Below 5 years ...	7	6	5	7	1	1	1	2	14	16	30
	{ Above 5 years ...	...	...	...	...	1	...	...	...	1	...	1
South Toxteth .....	{ Below 5 years ...	10	6	2	8	1	...	1	2	14	16	30
	{ Above 5 years ...	...	...	...	1	...	1	...	...	2	...	2
Parish .....	{ Below 5 years ...	63	56	40	46	12	12	9	11	124	125	249
	{ Above 5 years ...	4	2	1	3	...	...	...	2	5	7	12
Out Townships .....	{ Below 5 years ...	33	25	24	38	30	25	15	11	102	99	201
	{ Above 5 years ...	2	1	3	1	1	2	1	...	7	4	11
Borough .....	{ Below 5 years ...	96	81	64	84	42	37	24	22	226	224	450
	{ Above 5 years ...	6	3	4	4	1	2	1	2	12	11	23

## DIARRHŒA.

Accounted for 1127 deaths, or for 594 in the Parish, and 533 in the Out-townships. Its per-centage death-rate relatively to deaths from all causes was 0·9 in the first quarter of the year, 1·5 in the second, 22·1 in the third, and 4·1 in the fourth quarter of the year. Its annual per-centage death-rate relatively to deaths from all causes was 6·4 and relatively to deaths from Zymotic causes 18·2.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland .....	Below 5 years...	1	2	5	4	86	84	22	15	114	105	229
	Above 5 years...	...	2	1	...	5	5	2	3	8	10	18
Vauxhall .....	Below 5 years...	...	1	1	3	23	22	3	7	27	33	60
	Above 5 years...	...	1	...	...	...	1	1	2	1	4	5
St. Paul's .....	Below 5 years...	...	1	...	1	8	9	3	1	11	12	23
	Above 5 years...	...	...	...	1	2	1	...	...	2	2	4
Exchange .....	Below 5 years...	...	...	...	...	9	11	2	...	11	11	22
	Above 5 years...	...	...	1	1	1	...	...	...	2	1	3
St. Anne's .....	Below 5 years...	1	2	3	2	23	21	2	4	29	29	58
	Above 5 years...	...	...	...	...	2	...	...	...	2	...	2
Lime Street .....	Below 5 years...	...	...	...	1	14	9	1	1	15	11	26
	Above 5 years...	...	...	...	...	1	3	...	...	1	3	4
Castle Street .....	Below 5 years...	1	...	...	...	...	...	...	...	1	...	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	Below 5 years...	...	1	...	...	6	4	...	...	6	5	11
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
Pitt Street .....	Below 5 years...	...	1	...	...	6	2	...	...	6	3	9
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Gt. George .....	Below 5 years...	...	...	1	1	17	14	2	1	20	16	36
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street .....	Below 5 years...	1	...	...	2	4	2	1	...	6	4	10
	Above 5 years...	...	...	...	...	1	3	...	...	1	3	4
Abereromby .....	Below 5 years...	...	...	1	1	10	12	...	2	11	15	26
	Above 5 years...	...	...	...	...	...	2	1	1	1	3	4
Parish Workhouse and Hospitals .....	Below 5 years...	1	8	1	2	4	2	2	2	8	14	22
	Above 5 years...	3	4	1	1	3	5	2	7	9	17	26
Out Townships Workhouse and Hospitals..	Below 5 years...	...	...	1	...	...	...	1	...	2	...	2
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
Everton and Kirkdale...	Below 5 years...	3	1	5	5	126	103	19	7	153	116	269
	Above 5 years...	1	...	1	...	5	12	...	3	7	15	22
West Derby .....	Below 5 years...	3	3	1	2	30	26	6	7	40	38	78
	Above 5 years...	...	...	...	...	1	2	...	...	1	2	3
North Toxteth .....	Below 5 years...	1	4	...	4	26	31	3	7	30	46	76
	Above 5 years...	1	1	1	...	1	3	1	...	4	4	8
South Toxteth .....	Below 5 years...	2	1	3	6	27	24	5	1	37	32	69
	Above 5 years...	...	...	...	...	3	2	...	...	3	2	5
Parish .....	Below 5 years...	5	16	12	17	210	192	38	33	265	258	523
	Above 5 years...	3	7	3	3	15	20	7	13	28	43	71
Out Townships .....	Below 5 years...	9	9	10	17	209	184	34	22	262	232	494
	Above 5 years...	2	1	2	...	10	19	2	3	16	23	39
Borough .....	Below 5 years...	14	25	22	34	419	376	72	55	527	490	1017
	Above 5 years...	5	8	5	3	25	39	9	16	44	66	110

List of Streets in the Borough of Liverpool wherein Three or more  
Deaths from Diarrhoea occurred during the Year 1871.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE OUT TOWNSHIPS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Addison .....	2	1	3	Arkwright.....	6	...	6
Adlington .....	1	2	3	Aspinall .....	3	...	3
Athol .....	6	...	6	Beaufort .....	3	...	3
Back Portland.....	3	1	4	Blair .....	...	3	3
Beau .....	1	3	4	Boundary .....	3	5	8
Blandford.....	3	2	5	Brasenose Road .....	3	...	3
Bond .....	1	3	4	Brindley .....	3	5	8
Bostock .....	5	1	6	Brisbane .....	4	...	4
Burlington .....	1	8	9	Buckingham.....	5	...	5
Cavendish .....	2	1	3	Candia.....	4	...	4
Cazneau .....	3	2	5	Coburg .....	3	...	3
Chisenhale .....	1	3	4	Combermere .....	1	5	6
Circus .....	2	1	3	Edinburgh .....	5	...	5
Clement .....	3	...	3	Elias .....	3	...	3
Collingwood .....	3	3	6	Field .....	4	...	4
Duke .....	4	...	4	Gordon .....	4	...	4
Eldon.....	2	2	4	Grafton.....	3	1	4
Ford.....	...	3	3	Great Homer .....	1	2	3
Gascoyne .....	1	3	4	Haddon .....	3	...	3
Gay .....	2	1	3	Harding .....	3	...	3
Gildart's Gardens.....	3	...	3	Henderson.....	2	2	4
Great Howard .....	5	...	5	Howe .....	3	...	3
Highfield.....	3	1	4	Lamport .....	4	...	4
Hopwood.....	6	1	7	Low Hill.....	3	...	3
Hornby.....	3	7	10	Mann .....	...	4	4
Kew.....	5	4	9	Netherfield Road North...	6	...	6
Limekiln Lane .....	2	1	3	Opie .....	4	...	4
Newsham .....	2	2	4	Park .....	3	...	3
Norfolk .....	3	2	5	Park Road.....	3	...	3
Oriel .....	...	4	4	Prince Edwin.....	4	5	9
Paul.....	2	4	6	Prince William .....	...	3	3
Penrhyn .....	4	...	4	Richmond Fair .....	5	...	5
Portland .....	2	1	3	Robsart .....	2	1	3
Rachel .....	1	2	3	Rose Vale.....	3	1	4
Ray .....	1	2	3	Saint Domingo Road ...	4	...	4
Raymond .....	3	...	3	Salisbury .....	3	...	3
Richmond Row.....	1	6	7	Solway .....	3	...	3
Rose Place .....	3	2	5	Stitt.....	5	...	5
Saltney .....	...	3	3	Upper Beau .....	3	...	3
Scotland Road.....	5	...	5	Victoria .....	4	...	4
Tenterden .....	4	...	4	Whitefield Lane.....	3	...	3
Thomas .....	1	2	3	Whittle .....	3	...	3
Upper Milk .....	3	1	4	Wolfe .....	4	...	4
Vauxhall Road.....	3	...	3				
Virgil .....	1	2	3				
Walnut .....	3	...	3				
Westmoreland.....	2	1	3				
Whitley .....	...	3	3				
Woodstock .....	2	2	4				

## DIARRHŒA IN DATES OF DEATH, 1871.

DATE. June.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	1	30.123	53.2	...	...	...	312	WNW & Var.
2	...	30.240	48.9	...	...	...	290	E & Var
3	1	30.265	52.3	0.02	1.4	1	365	Var & NW
4	1	30.119	50.7	0.01	0.4	1	252	Var & NE
5	1	30.251	55.1	...	...	...	233	ENE & NNW
6	1	30.151	52.4	...	...	...	384	WNW & NW
7	...	30.085	53.1	...	...	...	454	NNE & NW
8	...	30.025	51.3	...	...	...	319	Var
9	...	30.033	53.4	...	...	...	187	NE & NW
10	1	30.013	57.5	...	...	...	197	ESE & Var
11	3	29.985	56.2	...	...	...	334	ESE & SE
12	2	30.034	58.2	...	...	...	353	ESE & ES
13	1	29.894	58.5	0.02	0.5	1	514	E & ESE
14	...	29.864	64.6	0.07	3.5	1	324	SE & SSE
15	...	29.861	60.0	0.49	7.6	1	118	Var & WSW
16	...	29.804	61.2	...	...	...	216	W & NNW
17	...	29.665	58.4	0.20	3.5	1	168	NW & WNW
18	1	29.519	58.5	0.31	4.0	1	134	W & Var
19	1	29.548	57.4	0.40	3.8	1	144	SW & NW
20	2	29.677	58.8	0.12	0.7	1	449	WNW
21	1	29.874	56.4	...	...	...	245	Var & WNW
22	...	29.919	50.3	0.59	15.0	1	434	ESE & E
23	3	30.006	48.9	...	...	...	427	ENE & NE
24	3	30.192	53.4	0.06	0.7	1	257	NE & NNW
25	1	30.246	53.5	...	...	...	307	Var & NW
26	2	30.281	56.6	...	...	...	158	Var & NW
27	...	30.048	61.2	0.06	0.7	1	185	S W & SSE
28	1	29.764	57.8	...	...	...	696	Var & W
29	2	29.764	59.6	...	...	...	343	WSW & SSE
30	2	29.705	59.7	0.02	1.5	1	394	SW & SSW

## DIARRHŒA, IN DATES OF DEATH, 1871.

DATE. July.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	...	29.836	60.3	0.16	2.5	1	324	SSE & S
2	1	29.759	58.8	0.10	4.5	1	305	SSE & SE
3	...	29.599	58.8	0.07	4.5	1	211	ENE & WNW
4	...	29.685	57.1	0.54	3.4	1	298	SSE & WSW
5	1	29.870	59.4	0.08	1.6	1	634	WSW & W
6	3	30.050	61.3	0.11	2.8	1	492	Var & SW
7	2	29.937	62.8	0.20	3.7	1	326	SSE & Var
8	1	29.773	59.6	0.22	1.9	1	458	SW & WSW
9	1	29.891	59.2	0.03	0.6	1	437	SSW
10	...	29.919	58.3	0.76	12.9	1	197	SW & Var
11	1	29.846	57.9	...	...	...	403	NNE & WNW
12	3	29.854	59.3	0.04	2.8	1	343	W & SSE
13	4	29.769	65.6	0.03	1.2	1	305	SSW & S
14	3	29.853	64.1	0.05	0.7	1	329	SSE & SW
15	2	29.932	64.4	...	...	...	456	SW
16	5	30.102	66.4	...	...	...	276	W & NW
17	1	30.059	61.4	0.12	3.3	1	355	Var & W
18	3	30.080	60.2	0.01	0.3	1	226	W & NW
19	1	29.806	59.0	0.06	2.4	1	182	SSE & Var
20	2	29.955	58.8	0.03	1.4	1	569	WNW & W
21	6	29.848	59.7	0.17	3.7	1	319	SSE & SW
22	2	29.609	61.7	0.06	1.3	1	398	WSW & SW
23	2	29.599	60.0	0.04	0.4	1	552	WSW & W
24	8	29.585	58.0	0.25	2.5	1	559	W & Var
25	4	29.381	56.1	0.18	2.0	1	730	W & WSW
26	1	29.368	57.8	0.03	0.3	1	787	WSW & W
27	3	29.711	59.7	0.01	0.8	1	336	W & WNW
28	4	29.809	58.7	0.28	2.2	1	430	SSE & SW
29	4	29.715	56.6	0.04	3.3	1	288	Var
30	9	29.668	57.1	0.10	0.5	1	269	SSE & W
31	5	29.978	56.4	...	...	...	317	W & WNW

## DIARRHŒA IN DATES OF DEATH, 1871.

DATE. August.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	4	30·044	62·3	...	...	...	226	S & Var
2	6	29·947	63·3	...	...	...	166	S & Var
3	4	29·692	60·8	...	...	...	379	SSW & SW
4	4	29·756	58·2	...	...	...	732	W
5	7	30·063	63·9	...	...	...	499	W & WSW
6	1	30·231	61·7	...	...	...	365	W & NW
7	4	30·179	69·1	...	...	...	221	NW & SE
8	10	30·112	68·9	...	...	...	288	SE & ESE
9	7	30·143	68·6	...	...	...	175	SE & NNW
10	12	30·125	72·4	...	...	...	154	Var
11	12	30·123	66·8	...	...	...	146	Var & NW
12	9	30·098	69·6	...	...	...	120	WNW & NW
13	15	30·054	66·6	...	...	...	235	Var
14	11	30·017	67·3	...	...	...	250	E
15	13	30·001	64·0	...	...	...	247	SE & WNW
16	20	30·000	62·1	0·05	1·0	1	180	NW
17	16	29·801	62·3	0·14	4·6	1	240	Var & ESE
18	18	29·453	61·2	0·18	2·1	1	552	ESE & W
19	19	29·859	60·0	0·06	1·6	1	590	W
20	27	29·891	61·6	0·12	1·5	1	473	SE & SSE
21	20	30·037	56·1	...	...	...	480	W & WNW
22	21	30·076	63·5	0·01	0·4	1	242	SE & Var
23	25	29·861	62·2	0·11	3·3	1	415	S & SW
24	16	29·630	60·9	0·46	4·0	1	715	SSW & WSW
25	20	29·803	59·5	0·01	0·3	1	684	W & SW
26	21	30·061	58·2	...	...	...	919	WSW & W
27	22	30·408	59·5	...	...	...	463	W & WNW
28	16	30·415	61·7	...	...	...	187	Var & ESE
29	16	30·163	62·0	...	...	...	420	ESE
30	15	29·997	67·2	...	...	...	319	ESE & Var
31	19	29·974	63·6	0·04	0·4	1	146	WSW & Var

## DIARRHŒA IN DATES OF DEATH, 1871.

DATE. Sept.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	12	30·044	61·5	0·20	9·1	1	254	SE & WNW
2	13	30·057	61·0	...	...	...	120	SSE & NW
3	10	29·818	60·4	0·23	2·3	1	269	SSW & S
4	10	29·753	59·0	0·10	2·3	1	235	Var & WNW
5	13	30·035	57·5	...	...	...	286	WSW & Var
6	15	30·034	60·5	0·33	4·3	1	233	S & Var
7	17	29·945	57·2	...	...	...	269	WS & Var
8	11	29·857	61·1	0·03	1·0	1	334	SE & ESE
9	13	29·693	55·2	0·13	3·3	1	271	ENE & SE
10	12	29·875	62·9	...	...	...	602	E
11	16	30·040	61·9	...	...	...	403	ENE
12	11	30·239	58·9	...	...	...	319	ENE & NE
13	14	30·353	56·2	...	...	...	331	NE
14	16	30·365	55·2	...	...	...	360	ENE & E
15	12	30·297	57·4	...	...	...	264	ENE & E
16	14	30·300	58·3	...	...	...	346	ESE & E
17	12	30·298	52·5	...	...	...	360	ENE & E
18	18	30·223	49·0	...	...	...	149	E & ENE
19	13	30·119	50·9	...	...	...	156	ESE & SE
20	12	29·907	53·5	0·22	5·5	1	168	SE & Var
21	11	29·642	52·7	0·12	1·7	1	449	W & WNW
22	13	29·706	50·6	0·34	2·2	1	845	W & WSW
23	4	29·780	52·5	0·05	0·8	1	293	WSW & Var
24	10	29·595	46·0	0·32	7·8	1	295	Var
25	6	29·750	49·6	...	...	...	331	Var & ENE
26	10	29·657	51·0	0·14	3·2	1	530	ENE
27	5	29·235	49·6	0·78	10·1	1	706	ENE & NE
28	7	29·438	47·8	...	...	...	290	NNW & N
29	5	29·807	46·0	0·90	13·7	1	391	Var & ENE
30	11	29·792	49·9	0·06	1·1	1	300	Var

## DIARRHŒA IN DATES OF DEATH, 1871.

DATE. October.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	5	29.163	52.9	0.38	2.8	1	444	Var & W
2	1	29.252	52.6	0.67	5.6	1	485	WNW & W
3	6	29.421	48.0	...	...	...	343	W & ENE
4	2	29.729	51.1	...	...	...	247	Var & SSE
5	4	29.717	53.3	0.02	0.7	1	406	S & SSW
6	3	29.676	49.6	1.11	14.8	1	300	SSW & Var
7	4	29.660	50.7	0.03	0.5	1	432	WNW & W
8	3	29.938	47.4	...	...	...	583	WNW
9	4	30.253	45.5	...	...	...	144	NE & Var
10	1	30.393	46.3	...	...	...	334	SE & ESE
11	1	30.213	47.5	...	...	...	370	ESE & SE
12	5	30.363	48.2	...	...	...	374	ESE & SSE
13	...	30.349	49.6	...	...	...	336	SE & SSE
14	4	30.154	49.5	0.20	3.7	1	394	SSE & SE
15	8	29.990	53.1	0.01	0.5	1	302	SE & Var
16	6	29.919	55.9	0.21	6.6	1	221	SW & Var
17	4	29.876	56.9	0.01	0.5	1	286	SE & Var
18	2	29.764	58.2	0.14	2.5	1	487	ESE & SE
19	1	29.592	53.3	0.96	18.1	1	242	SE & WNW
20	4	29.841	48.6	...	...	...	290	W & WNW
21	2	29.867	50.1	0.41	3.8	1	574	SSE & W
22	...	30.233	50.7	...	...	...	463	W & Var
23	2	30.238	49.3	0.04	3.0	1	307	SSE & Var
24	1	30.240	48.6	0.01	1.0	1	271	SSE & NW
25	4	30.342	53.8	...	...	...	216	WSW & SW
26	...	30.184	56.3	...	...	...	362	SW
27	2	29.884	53.0	0.17	4.9	1	415	SSW
28	1	29.695	49.0	0.37	14.2	1	247	SSE & SE
29	1	29.489	47.7	0.39	9.6	1	542	ESE & Var
30	...	29.635	47.4	0.09	2.9	1	444	ESE & E
31	2	29.873	47.1	...	...	...	607	ENE

## HOOPING COUGH

Occasioned 519 deaths, or 239 in the Parish, and 280 in the Out-Townships. Its per centage death-rate relatively to deaths from all causes was 2.9, and relatively to deaths from Zymotic causes 8.4.

## 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...	10	17	5	14	6	8	2	8	23	47	70
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Vauxhall .....	Below 5 years...	4	7	2	1	...	2	...	1	6	11	17
	Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
St. Paul's .....	Below 5 years...	4	6	...	3	1	...	1	...	6	9	15
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Exchange .....	Below 5 years...	2	1	1	...	...	...	2	2	5	3	8
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
St. Anne's .....	Below 5 years...	10	7	2	3	6	3	3	4	21	17	38
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Lime Street .....	Below 5 years...	3	7	1	...	...	...	1	3	5	10	15
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Castle Street.....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
St. Peter's.....	Below 5 years...	1	2	1	1	...	1	1	3	3	7	10
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street.....	Below 5 years...	...	3	...	3	2	4	...	1	2	11	13
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George .....	Below 5 years...	1	5	4	5	2	5	4	3	11	18	29
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street .....	Below 5 years...	1	3	...	2	...	2	...	2	1	9	10
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby .....	Below 5 years...	2	1	...	...	...	...	...	1	2	2	4
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
Parish Workhouses and Hospitals .....	Below 5 years...	...	...	...	1	...	4	...	1	...	6	6
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Out Township Workhouses and Hospitals .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale ...	Below 5 years...	32	32	16	14	10	10	11	12	69	68	137
	Above 5 years...	1	3	1	...	...	...	...	...	2	3	5
West Derby .....	Below 5 years...	2	4	2	2	2	3	16	10	22	19	41
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
North Toxteth.....	Below 5 years...	4	8	12	11	2	4	4	5	22	28	50
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
South Toxteth.....	Below 5 years...	6	5	3	13	5	5	...	7	14	30	44
	Above 5 years...	...	2	...	...	...	...	1	...	1	2	3
Parish.....	Below 5 years...	38	59	16	33	17	29	14	29	85	150	235
	Above 5 years...	...	1	2	...	...	...	...	1	2	2	4
Out Townships.....	Below 5 years...	44	49	33	40	19	22	31	34	127	145	272
	Above 5 years...	1	5	1	...	...	...	1	...	3	5	8
Borough.....	Below 5 years...	82	108	49	73	36	51	45	63	212	295	507
	Above 5 years...	1	6	3	...	...	...	1	1	5	7	12

## 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...	4	9	3	1	3	2	6	7	16	19	35
	Above 5 years...	...	...	...	1	...	1	...	1	...	3	3
Vauxhall .....	Below 5 years...	...	2	1	1	...	...	...	1	1	4	5
	Above 5 years...	...	...	...	...	...	1	...	...	...	1	1
St. Paul's .....	Below 5 years...	1	1	...	...	1	...	1	...	3	1	4
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Exchange .....	Below 5 years...	...	1	...	...	...	1	...	2	...	4	4
	Above 5 years...	...	...	...	...	1	...	...	...	1	...	1
St. Anne's .....	Below 5 years...	5	...	2	1	1	2	1	3	9	6	15
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Lime Street .....	Below 5 years...	...	1	1	...	...	...	3	...	4	1	5
	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...	...	1	...	...	1	...	1	...	2	1	3
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George .....	Below 5 years...	...	...	...	1	...	1	...	...	...	2	2
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street .....	Below 5 years...	...	...	...	1	...	...	...	1	...	2	2
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby .....	Below 5 years...	...	...	2	...	1	...	...	...	3	...	3
	Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
Parish Workhouses and Hospitals .....	Below 5 years...	3	1	...	1	1	...	...	1	4	3	7
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Out Township Workhouses and Hospitals .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale...	Below 5 years...	6	10	9	6	7	4	4	5	26	25	51
	Above 5 years...	...	...	2	...	...	...	...	...	2	...	2
West Derby .....	Below 5 years...	3	2	2	4	1	1	1	3	7	10	17
	Above 5 years...	...	1	1	1	...	...	1	...	2	2	4
North Toxteth .....	Below 5 years...	3	5	3	6	1	...	1	...	8	11	19
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
South Toxteth .....	Below 5 years...	5	6	4	3	1	1	1	...	11	10	21
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
Parish .....	Below 5 years...	13	16	9	6	8	7	12	15	42	44	86
	Above 5 years...	...	...	1	1	1	2	...	1	2	4	6
Out Townships .....	Below 5 years...	17	23	18	19	10	6	7	8	52	56	108
	Above 5 years...	...	3	3	1	...	...	1	...	4	4	8
Borough .....	Below 5 years...	30	39	27	25	18	13	19	23	94	100	194
	Above 5 years...	...	3	4	2	1	2	1	1	6	8	14

## 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	...	2	2	...	1	4	3	7
	{ Above 5 years...	...	...	...	1	...	...	...	1	...	2	2
Exchange .....	{ Below 5 years...	...	...	...	...	...	...	1	...	1	...	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's.....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
Lime Street .....	{ Below 5 years...	...	1	...	1	...	...	...	...	...	2	2
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Castle Street .....	{ Below 5 years...	...	...	...	...	...	...	...	1	...	1	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	{ Below 5 years...	...	1	...	...	...	...	1	1	1	2	3
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby .....	{ Below 5 years...	...	...	1	1	...	1	...	...	1	2	3
	{ Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Everton and Kirkdale .	{ Below 5 years...	...	2	4	1	3	2	4	3	11	8	19
	{ Above 5 years...	1	...	1	1	1	1	1	4	4	6	10
West Derby .....	{ Below 5 years...	...	1	...	1	1	1	1	...	2	3	5
	{ Above 5 years...	...	...	...	...	...	1	...	1	...	2	2
North Toxteth.....	{ Below 5 years...	2	1	...	1	...	...	2	1	4	3	7
	{ Above 5 years...	1	...	...	...	...	...	...	...	1	...	1
South Toxteth .....	{ Below 5 years...	...	2	2	1	1	1	1	...	4	4	8
	{ Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
Parish.....	{ Below 5 years...	1	2	2	2	2	3	2	3	7	10	17
	{ Above 5 years...	...	...	1	1	...	...	...	2	1	3	4
Out-Townships.....	{ Below 5 years...	2	6	6	4	5	4	8	4	21	18	39
	{ Above 5 years...	2	1	1	1	1	2	1	5	5	9	14
Borough .....	{ Below 5 years...	3	8	8	6	7	7	10	7	28	28	56
	{ Above 5 years...	2	1	2	2	1	2	1	7	6	12	18

## SMALL POX.

The prevalence and fatality of Small Pox in the Borough of Liverpool varied very considerably during the ten years which immediately preceded the fearful epidemic of that disease in 1870-71. In the years 1860 and 1861 the number of deaths from that cause were respectively 8 and 4. In the years 1862-3-4-5 and 6, they increased to 30, 100, 482, 459, and 102; while in the years 1867-8 and 9 they again lessened and only numbered 22, 18 and 20. This variableness in the extent and mortality of the disease becomes even more remarkable when we turn to the months of the two subsequent years 1870 and 1871. During the first seven months of 1870 (from January 1st to July 30th) there had not been a single death from Small Pox recorded in the Borough; but on the 30th July, and on 8th August, there died in the Netherfield Road Hospital from a severe and confluent form of the disease, two Spanish Sailors. These men were natives of Galicia, where the Small Pox was raging at the time of their leaving. They embarked as passengers by a Spanish Steamer from Corunna, and immediately on their arrival at the port of Liverpool, shipped as able bodied seamen on board the Spanish Barque—the *Juliana*. It was while on board this vessel that they sickened from the disease, and were, under the direction of their Consul, removed to the Netherfield Road Hospital. The time which elapsed between leaving Galicia and removal to the Hospital was within ten days, and therefore there is no reason to doubt that the disease was imported by them, and was in the stage of incubation at the period of their arrival in Liverpool. These two deaths were apparently the commencement of an epidemic which, during its course, numbered 2,093 fatal cases; 174 in 1870, and 1,919 in 1871. The Netherfield Road Hospital was at the time the only public place in the Borough to which persons suffering from Small Pox were or could be received. It is a charitable Institution, established and aided by private subscriptions, and managed on the self-supporting principle. There is a fixed charge for private patients and the select vestry had likewise contracted with the Managers of the Hospital for the reception and maintenance of all Small Pox patients who were chargeable to the Parish. Its records thus became an index of the prevalence of the disease. There had been admitted into the Hospital between January 1st and January 30th 1870, nine cases, viz., one in January, one in February, two in March, two in May, and three in June. None of these cases were fatal. Of the whole nine cases, three were foreign emigrants, three were seamen from on board ships, two were houseless tramps from the vagrant ward of the workhouse, and one, a girl aged six

years, was a pauper patient from No. 3 Court, Birkett Street. The spread of the contagion could not be traced directly to any of these cases. Birkett street though generally a sickly street, in a sickly district,\* was remarkably free from the disease during 1870, and both the case of the young girl, and those of the two vagrants, occurred as far back as February 14th, and March 6th and 31st. The direction of the impending visitation was foreshadowed by the five cases of sailors and emigrants during the months of May and June, and it appears probable from the high death-rate of sailors and their families during the whole epidemic, that there was always present a renewed stream of imported contagion which added somewhat to the virulence of the disease. During the earlier months of the epidemic, and even after numerous fatal cases had shown the existence of localised centres of infection within the Borough, a large percentage of the victims of the disease, and therefore of the propagators of the contagion, were persons connected with the shipping of the port. Of the deaths from Small Pox registered between the 30th July and the end of November 1870, 30·7 per cent. were seamen, or of the families of seamen, while of the deaths registered from Small Pox in December 1870, and during the whole of 1871, the percentage of sailors and their families was 8·3. This is comparatively a high rate, for we find that of the deaths from Small Pox (941) during the years 1864-5, the proportion of deaths of seamen and their families to those of all other classes was only 6·5 per cent; while in reference to epidemics of other diseases, which are clearly indigenous and which especially affect the labouring population, even this latter percentage is high; thus the proportion of the deaths of seamen and of their families to the total deaths from Typhus during the epidemic of 1865, was only 4·1 per cent.

After the deaths of the two Spanish seamen who had been removed to Netherfield Road Hospital, the next death from Small Pox was of the daughter of a Policeman residing in Salisbury Street, Everton; but as it proved to be the only fatal case in that street or its immediate neighbourhood during 1870, it cannot be regarded as having formed an active centre of contagion. The next case was the son of a seaman engaged in the foreign steam ship trade and residing at 190, Netherfield Road; this was soon followed by a death at the top house of Edinburgh Street, which is situated close to and immediately opposite 190, Netherfield Road. The next fatal case was the child of another seaman, residing at 190A, a terrace house above 190, Netherfield Road. The disease may now be considered as localised in Everton, and we accordingly find that of the 38 deaths which succeeded those occurring in Edinburgh Street and Netherfield Road, 24 occurred in Everton, 13 in streets of Scotland Ward, which abut on Everton, and only 1 in the Toxteths, and none in the south or centre of the Parish. During December, 1870, the disease spread somewhat;

but we still find that of all the deaths during that month, of which we have any knowledge of the residences of the patients before removal to the Hospitals, 47 were in or from Everton, 20 in or from the streets of Scotland Ward abutting on Everton, and 20 in or from other districts of the Town. It is now that we open the death record from Small Pox during 1871; but before giving the statistics of its mortality, it may be not without interest to enquire, why during some years sporadic cases of the disease did not extend the contagion among the people, while in other years every case became a centre of infection and helped to generate an epidemic influence—until the pestilence “like a running conflagration spreads below.” The first and probably the most rational explanation of this variableness in the natural history of Small Pox, which suggests itself to the enquirer, is to be found in that remarkable characteristic of the disease,—the immunity of persons from a second attack, and the protection which is given by vaccination. An epidemic of Small Pox not only directly lessens the number of persons who will in the future be susceptible to attacks of the disease, but by the stimulus of fear and panic it promotes the extension of vaccination, and thus indirectly enlarges the area of the protected. After an epidemic, therefore, there is necessarily a lull, because of the diminution or absence of the materials which encourage and support the progress of the pestilence. On the contrary, when the period of immediate and personal danger has passed, not only are all ordinary precautions neglected, but after a time, in the blind confidence of security, there is apt to be engendered among a certain class of people, a scepticism as to the wisdom of the lessons and teachings of science and experience. It is then that agitators, emulous of noisy notoriety, promulgate their dicta against the doctrines of Jenner, and afford to foolish and improvident parents, an excuse for their selfish negligence of the means of providing by vaccination for the safety of their children from the effects of a loathsome disease. Hence, as a lessening of the numbers of the unprotected occasioned a pause or intermission in the onward course of an epidemic, so after a time of more or less duration, the neglect of vaccination will again prepare fresh victims, and encourage a renewed outbreak of the disease. Under this view of the cause of the periodical prevalence of Small Pox as an epidemic among the people, we regard the power of the contagious germ as at all times a fixed quantity, and see in the results of that power only the varying effects of the nature and amount of the materials subject to its influence. We apply to the pestilence the same law, and almost the same language which experience has proved to be applicable to the effects of fire. We say that the fire became a conflagration, because of the presence of a quantity of combustible materials, and that the contagion became a pestilence because of the accidental existence of a number of susceptible persons. In other words, it is the condition and amount of the fuel on which they feed, that spread alike the

fire and the pestilence. When the casual upsetting of a Kerosine lamp, and the ignition of a cow house, terminated in the awful conflagration of Chicago, no one regarded the catastrophe as due to the operation of an occult and mysterious cause. On the contrary, every one recognised in the devastating element, the fire whose unchangeable properties were familiar to their daily experience. They knew that fires had been of frequent and almost daily occurrence in Chicago; the only difference was that the necessary accidents and materials so combined as to produce a general conflagration had been wanting until the fatal night which witnessed the beginning of the destruction of their city. And when men apply to the future the experience of the past, it will be by the teaching of no theory of hidden causation, but by the practical avoidance of the conditions which are known to facilitate the spread of the devastating element. It is a similar lesson which we should apply to Small Pox; for in large towns it, like fire, is never absent from our midst; its properties and its natural history are well known to us, and it has been put under our perfect control by the immortal discovery of Jenner. It cannot, however, be denied, that occasionally the germ or contagious virus of Small Pox is found to possess a peculiar virulence and to manifest an inherent intensity of action, and that altogether apart, from the number and condition of the persons susceptible of the disease. It is in such cases, that more than ordinary precautions are to be taken to secure protection. The only possible mode of protection is by vaccination, and vaccination alone; but experience has proved that as a defence against waves of contagion of a special malignancy it is necessary for the people to be re-vaccinated so as to ensure the efficiency of the antidote. The contagious germ to which we trace the epidemic Small Pox of 1871, was brought from the Continent of Europe, and was of this peculiar malignancy. None of us, not even the oldest Physicians, remember so many cases which presented the hæmorrhagic and confluent characteristics of the disease, nor so many cases where primary vaccination performed in childhood failed in adult age to ensure protection. The extreme mortality from the disease in Liverpool, was no doubt greatly due to the home condition of our poor, and to the wretched weakness and debility to which they had been brought by the previous epidemic of Relapsing or Famine Fever; but it was also greatly due to the peculiar virulence of the disease itself. It is under these circumstances especially gratifying to know that re-vaccination, timely and efficiently done, proved a constant and perfect protection from the disease.

## SMALL POX IN 1871

Occasioned 1,919 deaths in the Borough of Liverpool, or 814 in the Parish, and 1,105 in the Out-townships. Of these deaths 1,069 were males, and 850 females, and 736 were children below the age of 5 years. The rate of its mortality was equal to 3·8 per 1,000 per annum of the estimated population. Its rate of mortality relatively to deaths from all causes was 18·5 per cent. in the first quarter, 16·4 per cent. in the second quarter, 3·8 in the third quarter, and 0·7 per cent. in the fourth quarter; its annual rate relatively to all deaths was 11·0 per cent. Its annual rate of mortality relatively to total deaths from Zymotic causes was 31·0 per cent.; or 48·2 per cent. during the first quarter, 44·2 during the second quarter, 9·5 during the third quarter, and 3·2 during the fourth quarter.

The following tables show that during the four weeks of January 1871, the disease was chiefly restricted, as it had been during 1870, to the north and north-east parts of the town; for we find that, of 161 deaths which occurred in or could be traced by previous residence to the several wards, no less than 121 belonged to Scotland Ward, Everton and Kirkdale. In February, March, and April the disease had largely spread, and not only showed itself in considerable force in the adjoining districts of Vauxhall Ward, and West Derby, but had also passed over to the Toxteths and Great George's Ward, on the south side of the town. The localities in which its fatal effects were least felt were Exchange, Lime Street, Castle Street, Rodney Street, and Abercromby Wards. The epidemic virulence of the disease began to wane during July, and had almost ceased before the end of the third quarter of the year.

In arranging the tables, all deaths occurring in Hospitals, are, when the previous residences of the patients were known, transferred to the wards from whence they came.

## DEATHS FROM SMALL POX IN 1871.

WARDS.	January.				February.				March.				April.	May.				June.				July.	Quarter.					
	January.				February.				March.					May.				June.										
	7	14	21	28	4	11	18	25	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	Quarter.	
Scotland	22	9	18	12	19	28	29	41	21	25	28	22	18	292	19	9	8	16	12	10	9	9	7	13	9	6	5	132
Vauxhall	1	1	3	3	4	1	6	10	6	2	5	5	2	49	2	4	5	3	3	3	4	6	2	1	1	4	2	40
St. Paul's	1	1	5	.	7	6	4	8	5	4	4	6	2	53	3	3	3	2	1	1	2	2	2	1	1	1	1	22
Exchange	1	..	2	..	..	6	1	5	2	2	1	1	..	19	..	1	..	1	..	..	1	..	1	1	1	..	..	5
St. Anne's	1	..	1	1	2	4	2	2	4	6	4	6	3	36	4	5	4	1	3	2	4	1	1	..	..	..	..	26
Lime Street	..	..	..	..	1	2	..	..	3	..	..	..	1	7	..	..	..	1	..	..	..	2	..	..	..	..	..	5
Castle Street	..	..	..	..	..	..	..	..	1	2	1	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	..	..	..	..	..	1	1	2	1	1	..	..	..	5	1	..	1	..	..	..	..	..	..	1	1	1	..	5
Pitt Street	..	..	..	..	..	1	1	2	2	2	..	3	1	11	1	1	2	1	2	..	1	1	2	3	3	2	1	13
Great George	1	3	2	1	3	1	3	5	2	3	2	7	2	35	1	2	1	1	4	2	1	2	1	2	3	2	1	23
Rodney Street	1	..	..	1	2	..	2	2	2	..	1	2	..	11	..	..	..	1	1	3	2	3	3	..	..	1	12	
Abercromby	..	..	..	1	2	..	2	3	1	2	1	..	..	12	3	1	..	..	..	..	1	..	2	..	1	2	11	
Everton and Kirkdale	14	10	15	21	22	22	31	27	24	17	26	21	18	268	22	17	15	18	9	13	10	6	9	6	5	4	140	
West Derby	1	3	..	1	4	2	4	5	4	5	8	2	5	44	4	4	9	3	9	3	4	1	8	2	4	5	8	62
North Toxteth	..	1	..	1	3	..	2	4	..	2	7	7	7	34	7	4	7	4	7	4	9	6	2	5	5	2	67	
South Toxteth	..	1	..	1	2	3	3	10	2	6	11	6	6	51	7	9	15	11	2	6	2	6	3	3	..	2	..	69
Hospitals (Residences Unknown)	7	6	19	8	21	10	14	6	9	10	4	9	8	131	4	3	10	6	8	3	1	4	3	2	1	2	..	47
Total..	50	35	65	51	90	105	129	89	89	103	97	73	1062	77	68	74	74	55	52	50	57	35	41	34	56	26	679	

WARDS.	July.				August.				September.				Quarter.	October.				November.				December.				Quarter.	Year	
	July.				August.				September.					October.				November.				December.						
	8	15	22	29	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30		
Scotland	5	2	1	4	2	1	1	1	2	..	..	1	1	21	..	..	..	..	..	..	..	..	..	..	..	..	445	
Vauxhall	1	3	..	1	1	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	95	
St. Paul's	..	..	1	1	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	76	
Exchange	..	..	1	2	2	..	..	..	..	2	1	2	..	..	..	1	..	..	..	..	..	1	..	..	..	..	31	
St. Anne's	..	..	1	1	..	1	..	1	..	1	..	..	..	8	1	1	..	..	1	..	..	..	..	..	..	..	72	
Lime Street	..	1	2	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	18	
Castle Street	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	5	
St. Peter's	1	2	3	..	..	..	1	..	1	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	15	
Pitt Street	1	..	..	1	1	..	1	..	..	1	..	1	..	8	1	..	..	..	..	..	..	1	..	..	..	..	33	
Great George	1	1	2	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	66	
Rodney Street	1	1	2	..	..	2	..	..	..	..	..	..	..	3	1	..	..	..	..	..	..	..	..	..	..	..	27	
Abercromby	7	4	5	1	1	1	1	1	1	2	1	1	3	29	1	2	..	..	..	1	1	3	..	1	1	1	448	
Everton and Kirkdale	7	4	5	4	2	1	4	2	..	1	1	..	..	29	..	..	..	..	..	..	1	..	..	..	..	..	136	
West Derby	4	5	5	4	2	1	4	2	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	103	
North Toxteth	..	..	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	130	
South Toxteth	..	3	4	1	1	..	..	..	..	..	..	..	..	10	..	..	..	..	..	..	..	..	..	..	..	..	188	
Hospitals (Residences Unknown)	1	..	1	2	..	..	..	2	..	..	..	..	..	6	..	1	..	..	..	..	..	..	..	..	1	1	..	..
Total	27	22	27	20	9	6	8	7	4	7	4	5	4	150	4	5	2	1	..	2	1	2	5	1	3	2	28	1919

## DEATHS FROM SMALL POX.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.		M	F	TOTAL.
		M.	F.	M.	F.	M.	F.	M.	F.			
Scotland.....	{ Below 5 years...	61	76	23	29	8	2	...	...	92	107	199
	{ Above 5 years...	66	50	29	17	1	3	...	...	96	70	166
Vauxhall .....	{ Below 5 years...	12	8	9	9	1	1	...	...	22	18	40
	{ Above 5 years...	10	7	4	8	1	...	...	...	15	15	30
St. Paul's .....	{ Below 5 years...	13	12	4	3	...	...	...	...	17	15	32
	{ Above 5 years...	7	13	4	2	...	...	...	...	11	15	26
Exchange .....	{ Below 5 years...	7	1	...	2	3	1	...	...	10	4	14
	{ Above 5 years...	2	3	1	1	...	...	1	...	4	4	8
St. Anne's .....	{ Below 5 years...	5	3	3	3	2	1	...	...	10	7	17
	{ Above 5 years...	7	8	4	4	1	1	1	...	13	13	26
Lime Street.....	{ Below 5 years...	2	2	1	2	1	...	...	1	4	5	9
	{ Above 5 years...	...	1	1	1	...	1	1	...	2	3	5
Castle Street .....	{ Below 5 years...	2	1	...	...	...	...	...	...	2	1	3
	{ Above 5 years...	1	...	...	...	...	...	...	...	1	...	1
St. Peter's .....	{ Below 5 years...	...	...	1	...	...	2	...	...	1	2	3
	{ Above 5 years...	4	1	...	...	...	...	...	...	4	1	5
Pitt Street .....	{ Below 5 years...	1	1	1	3	1	...	...	...	3	4	7
	{ Above 5 years...	...	1	1	2	...	1	...	...	1	4	5
Great George.....	{ Below 5 years...	4	12	1	5	1	...	...	...	6	17	23
	{ Above 5 years...	5	8	4	4	2	1	...	1	11	14	25
Rodney Street .....	{ Below 5 years...	1	...	...	2	...	...	...	...	1	2	3
	{ Above 5 years...	3	1	2	...	...	1	...	1	5	3	8
Abercromby .....	{ Below 5 years...	1	2	1	...	...	2	...	...	2	4	6
	{ Above 5 years...	3	4	3	4	2	1	...	...	8	9	17
Parish Workhouses and Hospitals .....	{ Below 5 years...	5	18	1	11	...	...	...	...	6	29	35
	{ Above 5 years...	27	56	...	18	...	...	...	...	27	74	101
Out-Townships, Workhouses, and Hospitals .....	{ Below 5 years...	22	10	11	10	1	3	...	2	34	25	59
	{ Above 5 years...	151	41	125	31	33	15	8	3	317	90	407
Everton and Kirkdale...	{ Below 5 years...	37	41	18	27	6	6	5	...	66	74	140
	{ Above 5 years...	61	52	29	26	9	2	1	2	100	82	182
West Derby .....	{ Below 5 years...	6	4	7	6	7	6	...	...	20	16	36
	{ Above 5 years...	7	9	12	14	6	4	1	...	26	27	53
North Toxteth.....	{ Below 5 years...	11	5	17	15	...	1	...	...	28	21	49
	{ Above 5 years...	8	8	19	15	...	...	...	...	27	23	50
South Toxteth .....	{ Below 5 years...	8	16	22	12	3	...	...	...	33	28	61
	{ Above 5 years...	14	13	26	9	4	2	...	...	44	24	68
Parish .....	{ Below 5 years...	114	136	45	69	17	9	...	1	176	215	391
	{ Above 5 years...	135	153	53	61	7	9	3	2	198	225	423
Out Townships .....	{ Below 5 years...	84	76	75	70	17	16	5	2	181	164	345
	{ Above 5 years...	241	123	211	95	52	23	10	5	514	246	760
Borough .....	{ Below 5 years...	198	212	120	139	34	25	5	3	357	379	736
	{ Above 5 years...	376	276	264	156	59	32	13	7	712	471	1183

The Registrars were kind enough to append to every certificate of death from Small Pox, a memorandum stating whether the patient had or had not been vaccinated. As this information was frequently obtained by them from the persons who brought the certificate and not always directly from the medical man who signed it, I have never considered it as altogether reliable or fit to form the basis of trustworthy statistics. The facts when summarised will tell correctly only half the truth. They will, no doubt, tell with precision the

existence of a certain number of cases which were admitted on the best authority to have been unvaccinated; but, it would be at variance with experience to believe that parents and members of a family will always volunteer a confession, or answer an enquiry in a way to implicate themselves in, if not an offence, at least a neglected duty towards the children who had been under their protection and control. The list of vaccinated patients must therefore be received with considerable reserve. When of the 1,919 cases of death from Small Pox, the returns tell us that 1,189 were not vaccinated, they may to that extent be confidently relied upon; but I at least do not believe that all the 730 cases reported to have been vaccinated had really been so; or that in scarcely a tenth of that number would medical men have recognised the characteristic marks of a properly performed operation of vaccination.

The observations made on 1,616 patients treated for Small Pox in the Parish Hospitals give some extremely interesting results as to the influence of vaccination in mitigating the severity of the disease, even when it had not proved to be a prophylactic or antidote to the contagious poison. They show as will be seen by the following tables that the deaths of the unvaccinated and of those in whom vaccination was doubtful were equal to 56·4 per cent.; that the deaths where one cicatrix was visible were equal to 14·9 per cent.; where two cicatrices were visible the deaths were at the rate of 9·8 per cent., and where three at the rate of 7·0 per cent.

#### PARISH OF LIVERPOOL—WORKHOUSE HOSPITALS SMALL-POX EPIDEMIC OF 1871.

	Below 1	1 to 6	6 to 10 in	11 to 15 in	16 to 20 in	21 to 30 in	31 to 40 in	41 to 50 in	51 to 60 in	Total
Unvaccinated or uncertain .....	13	84	73	53	49	100	40	16	4	432
Vaccinated 1 Cicatrix .....	1	16	39	64	91	97	35	8	4	355
„ 2 Cicatrices .....	..	13	51	126	151	170	40	12	2	565
„ 3 „ .....	2	6	31	49	57	48	..	2	..	200
„ 4 or upwards .....	1	6	14	4	13	14	5	1	..	58
„ Cicatrices not specified ....	1	1	1	1	1	..	..	1	..	6
	18	126	209	297	362	429	125	40	10	1616

#### PARISH OF LIVERPOOL. WORKHOUSE HOSPITALS—SMALLPOX EPIDEMIC OF 1871.

TOTAL CASES 1,616.		Deaths 375.
Of the above were—		
Not Vaccinated .....	264	148
Vaccination Doubtful .....	168	96
Vaccinated 1 Cicatrix .....	355	53
„ 2 Cicatrices .....	565	56
„ 3 „ .....	200	14
„ 4 „ .....	46	4
„ 5 or upwards .....	12	1
„ Imperfectly .....	4	2
„ Well .....	2	1
	1616	375

List of Streets in the Borough wherein Three or more Deaths from  
Small Pox occurred in 1871.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE PARISH.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Athol .....	15	...	15	Maguire .....	2	1	3
Back Portland .....	2	2	4	Midghall .....	5	3	8
Back Seel .....	...	4	4	Milton .....	4	2	6
Baptist .....	...	3	3	Naylor .....	2	2	4
Barmouth .....	3	...	3	Newport .....	2	1	3
Beau .....	1	3	4	Norfolk .....	3	3	6
Beau Lane .....	2	1	3	North .....	...	6	6
Blandford .....	2	1	3	Orry .....	4	...	4
Blenheim .....	5	7	12	Paget .....	6	...	6
Blundell .....	5	2	7	Pall Mall .....	2	2	4
Bond .....	2	6	8	Penrhyn .....	3	5	8
Bostock .....	4	...	4	Peover .....	3	...	3
Boundary .....	2	1	3	Pitt .....	4	...	4
Brick .....	6	...	6	Portland .....	5	...	5
Bridgewater .....	4	...	4	Primrose Hill .....	1	2	3
Brownlow Hill .....	3	...	3	Prussia .....	2	1	3
Burlington .....	4	7	11	Rachel .....	4	2	6
Calvin .....	3	...	3	Rathbone .....	2	2	4
Carlton .....	5	7	12	Ray .....	4	3	7
Charters .....	2	6	8	Raymond .....	8	3	11
Chisenhale .....	4	4	8	Regent .....	3	2	5
Collingwood .....	5	5	10	Roberts .....	1	2	3
Comus .....	1	2	3	St. Andrew .....	3	5	8
Cranmer .....	4	2	6	St. Anne .....	4	2	6
Crosbie .....	...	4	4	St. Martin .....	3	3	6
Dalrymple .....	3	...	3	Saltney .....	2	2	4
Denbigh .....	3	...	3	Sand .....	2	1	3
Denison .....	5	1	6	Sawney Pope .....	2	1	3
Doncaster .....	3	...	3	Scotland Road .....	13	...	13
Dryden .....	4	7	11	Silvester .....	3	1	4
Eaton .....	1	2	3	Skirving .....	11	...	11
ElCon .....	1	3	4	Slade .....	2	4	6
Ennerdale .....	3	1	4	Smithfield .....	2	2	4
Epsom .....	5	...	5	Springfield .....	1	3	4
Ford .....	...	3	3	Standish .....	3	...	3
Furlong .....	1	5	6	Stockdale .....	1	4	5
Gascoyne .....	4	7	11	Tatlock .....	8	8	16
Gerard .....	5	...	5	Tenterden .....	3	...	3
Gibraltar Row .....	3	...	3	Thomas .....	4	...	4
Gildarts Gardens .....	1	4	5	Titchfield .....	2	1	3
Gomer .....	1	3	4	Townsend .....	4	1	5
Great Homer .....	2	1	3	Upper Frederick .....	6	2	8
Great Howard .....	5	1	6	Vauxhall Road .....	7	1	8
Hedley .....	3	1	4	Vernon .....	2	1	3
Henry Edward .....	2	1	3	Walmsley .....	5	...	5
Highfield .....	8	1	9	Warren .....	6	...	6
Hopwood .....	2	3	5	Westmoreland .....	7	1	8
Hornby .....	11	12	23	Whitley .....	3	7	10
Idris .....	3	...	3	Woodstock .....	1	3	4
Islington .....	1	2	3	Worfield .....	1	2	3
Jordan .....	3	2	5	Wright .....	4	1	5
Kent .....	1	2	3	STREETS IN THE OUT TOWNSHIPS.			
Kew .....	5	2	7	Arkwright .....	5	1	6
Kitchen .....	4	3	7	Ashwell .....	1	6	7
Knight .....	1	2	3	Aspinall .....	3	...	3
Latimer .....	3	5	8	Back Stanley Crescent .....	1	3	4
Leeds .....	5	3	8				
Limekiln Lane .....	6	1	7				

List of Streets in the Borough wherein Three or more Deaths from  
Small Pox occurred in 1871.—*Continued.*

STREETS IN THE OUT-TOWNSHIPS.	HOUSES.		Total.	STREETS IN THE OUT-TOWNSHIPS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Bancroft .....	2	1	3	Luther .....	3	...	3
Beaufort .....	4	...	4	Luton .....	3	...	3
Bembridge .....	3	...	3	Major .....	4	...	4
Bevin Lane .....	2	1	3	Mann .....	4	10	14
Bower .....	6	...	6	Maynard .....	...	4	4
Brassey .....	...	3	3	Milford .....	9	...	9
Brindley .....	3	3	6	Mill .....	5	...	5
Britton .....	3	1	4	Mill Road .....	4	...	4
Buckingham .....	3	...	3	Netherfield Road North	3	...	3
Candia .....	3	...	3	Northumberland .....	3	1	4
Cardwell .....	3	...	3	Oliver .....	3	...	3
Chalmers .....	3	...	3	Park .....	3	...	3
Christopher .....	3	...	3	Park Road .....	7	...	7
Clive .....	3	7	10	Portland Place .....	3	1	4
Combermere .....	1	3	4	Postance Place .....	3	...	3
Compton .....	4	...	4	Potter .....	5	...	5
Conway .....	3	...	3	Pottery Flagg .....	3	...	3
Cornwall .....	3	...	3	Prince Edwin .....	3	6	9
Crow .....	...	3	3	Prince William .....	2	4	6
Darnley .....	...	3	3	Reading .....	3	...	3
Devonshire Place .....	1	2	3	Robertson .....	4	1	5
Douro .....	1	2	3	Robsart .....	7	1	8
Edgware .....	4	...	4	Rockingham .....	3	...	3
Edinburgh .....	7	...	7	Roger .....	3	...	3
Elias .....	7	...	7	Rokeby .....	2	1	3
Falkner .....	2	2	4	Rooney .....	6	...	6
Field .....	3	...	3	Rose Vale .....	4	2	6
Glover .....	4	...	4	Salisbury .....	4	3	7
Godfrey .....	3	...	3	Sandys .....	7	...	7
Gordon .....	5	...	5	Shakespeare .....	3	...	3
Gore .....	1	4	5	Shelley .....	4	...	4
Grafton .....	...	5	5	Smithdown Lane .....	3	...	3
Gregson .....	5	...	5	Spencer .....	3	...	3
Haigh .....	8	...	8	Squires .....	4	...	4
Haylock .....	4	...	4	Stanhope .....	3	2	5
Henderson .....	8	6	14	Stanley Road .....	4	...	4
Hibbert .....	5	...	5	Star .....	3	...	3
Hill .....	9	...	9	Summer Gardens .....	3	...	3
Holden .....	3	...	3	Sylvia .....	3	...	3
Hughes .....	6	...	6	Thomaston .....	5	...	5
Kinglake .....	...	3	3	Torr .....	1	2	3
Laith .....	3	...	3	Upper Hill .....	3	...	3
Lancaster .....	7	...	7	Upper Parliament .....	3	...	3
Latham .....	5	...	5	Uxbridge .....	3	...	3
Laxey .....	1	4	5	Victoria .....	9	...	9
Leison .....	2	1	3	Wellington Road .....	8	...	8
Linden .....	3	...	3	Westminster Road .....	3	...	3
Llanrwst .....	2	4	6	Wolfe .....	10	...	10
Lorton .....	3	1	4	Woodruff .....	4	...	4
Low Hill .....	1	2	3				

## OTHER ZYMOTICS.

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

## 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...	3	4	2	2	3	5	6	5	14	16	30
	Above 5 years...	1	4	2	...	2	1	2	2	7	7	14
Vauxhall .....	Below 5 years...	...	...	1	1	2	1	...	...	3	2	5
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Paul's .....	Below 5 years...	...	...	...	1	...	...	1	...	1	1	2
	Above 5 years...	...	1	...	...	1	...	1	...	2	1	3
Exchange .....	Below 5 years...	...	...	3	...	1	...	1	1	5	1	6
	Above 5 years...	...	...	...	...	1	1	...	...	1	1	2
St. Anne's .....	Below 5 years...	4	2	...	1	2	1	2	3	8	7	15
	Above 5 years...	3	3	...	...	...	1	...	1	3	5	8
Lime Street .....	Below 5 years...	...	...	...	1	...	2	2	1	2	4	6
	Above 5 years...	...	...	1	2	1	...	...	3	2	5	7
Castle Street .....	Below 5 years...	...	...	...	...	1	...	...	...	1	...	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	Below 5 years...	...	...	...	...	1	...	...	...	1	...	1
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
Pitt Street .....	Below 5 years...	...	2	...	...	...	...	1	...	1	2	3
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
Great George .....	Below 5 years...	...	...	2	...	1	...	...	...	3	...	3
	Above 5 years...	...	1	...	1	...	...	2	2	2	4	6
Rodney Street .....	Below 5 years...	1	1	2	...	...	...	...	...	3	1	4
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Abercromby .....	Below 5 years...	...	...	3	...	...	1	...	...	3	1	4
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Parish Workhouses and Hospitals .....	Below 5 years...	1	1	2	1	...	...	...	2	3	4	7
	Above 5 years...	8	5	6	1	3	4	4	6	21	16	37
Out Township Workhouses and Hospitals.	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	2	1	1	...	...	1	2	2	5	7
Everton and Kirkdale...	Below 5 years...	5	5	4	3	6	6	4	6	19	20	39
	Above 5 years...	3	1	2	7	3	4	...	...	8	12	20
West Derby .....	Below 5 years...	3	1	2	1	5	4	1	2	11	8	19
	Above 5 years...	...	...	1	1	2	2	...	2	3	5	8
North Toxteth.....	Below 5 years...	2	4	...	1	4	2	2	1	8	8	16
	Above 5 years...	2	1	1	2	1	1	...	...	4	4	8
South Toxteth .....	Below 5 years...	3	2	1	2	...	3	5	1	9	8	17
	Above 5 years...	1	1	...	4	...	2	2	2	3	9	12
Parish .....	Below 5 years...	9	10	15	7	11	10	13	12	48	39	87
	Above 5 years...	12	14	9	4	8	7	11	16	40	41	81
Out Townships.....	Below 5 years...	13	12	7	7	15	15	12	10	47	44	91
	Above 5 years...	6	5	5	15	6	9	3	6	20	35	55
Borough .....	Below 5 years...	22	22	22	14	26	25	25	22	95	83	178
	Above 5 years...	18	19	14	19	14	16	14	22	60	76	136

## TUBERCULAR DISEASES.

This group of diseases includes Phthisis, Scrofula, Tabes Mesenterica and Hydrocephalus. They occasioned 2141 deaths in the Borough of Liverpool during the year 1871, of which 1147 occurred in the Parish, and 994 in the Out-townships. The death-rate was 4·3 per 1000 of the estimated population; their per centage death-rate relatively to deaths from all causes was 12·3.

## 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	1	3	1	4	3	2	1	10	6	16
	Above 5 years...	24	35	25	27	27	28	24	22	100	112	212
Vauxhall .....	Below 5 years...	1	...	1	2	1	3	...	1	3	6	9
	Above 5 years...	8	6	2	2	7	2	5	6	22	16	38
St. Paul's .....	Below 5 years...	1	1	1	1	2	...	...	1	4	3	7
	Above 5 years...	7	1	1	4	5	5	5	3	18	13	31
Exchange .....	Below 5 years...	...	1	1	1	...	1	...	1	1	4	5
	Above 5 years...	2	2	5	5	5	4	3	...	15	11	26
St. Anne's.....	Below 5 years...	...	1	3	...	...	...	1	...	4	1	5
	Above 5 years...	12	16	9	11	10	3	10	7	41	37	78
Lime Street .....	Below 5 years...	1	...	1	...	1	...	...	...	3	...	3
	Above 5 years...	10	7	5	6	4	6	9	6	28	25	53
Castle Street.....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	1	1	3	1	1	2	...	4	5	9
St. Peter's.....	Below 5 years...	1	...	...	1	...	1	...	...	1	2	3
	Above 5 years...	1	2	3	1	1	3	2	...	7	6	13
Pitt Street.....	Below 5 years...	2	...	...	2	...	...	1	1	3	3	6
	Above 5 years...	5	4	2	5	5	3	2	2	14	14	28
Great George.....	Below 5 years...	1	...	1	...	...	...	1	...	3	...	3
	Above 5 years...	3	3	2	4	6	5	4	5	15	17	32
Rodney Street .....	Below 5 years...	1	1	...	...	...	...	...	1	1	2	3
	Above 5 years...	9	4	5	5	8	4	4	4	26	17	43
Abercromby.....	Below 5 years...	...	1	...	...	1	...	...	...	1	1	2
	Above 5 years...	7	7	8	8	11	1	7	3	33	19	52
Parish Workhouses and Hospitals .....	Below 5 years...	1	...	1	...	...	...	1	1	3	1	4
	Above 5 years...	42	41	45	31	24	13	42	19	153	104	257
Out Township Workhouses and Hospitals .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	1	...	1	1	3	2	5	4	10	7	17
Everton and Kirkdale .....	Below 5 years...	4	3	2	4	9	2	2	...	17	9	26
	Above 5 years...	43	45	53	51	41	31	52	27	189	154	343
West Derby .....	Below 5 years...	1	...	2	5	2	2	...	...	7	7	14
	Above 5 years...	30	16	24	15	14	17	15	16	83	64	147
North Toxteth.....	Below 5 years...	1	...	...	1	...	1	2	...	3	2	5
	Above 5 years...	10	17	8	8	12	12	10	12	40	49	89
South Toxteth .....	Below 5 years...	...	...	...	1	3	1	2	3	5	5	10
	Above 5 years...	8	7	5	16	6	9	7	21	26	53	79
Parish .....	Below 5 years...	10	6	12	8	9	8	6	7	37	29	66
	Above 5 years...	130	129	113	112	114	78	119	77	476	396	872
Out Townships.....	Below 5 years...	6	3	4	11	14	6	8	3	32	23	55
	Above 5 years...	92	85	91	91	76	71	89	80	348	327	675
Borough .....	Below 5 years...	16	9	16	19	23	14	14	10	69	52	121
	Above 5 years...	222	214	204	203	190	149	208	157	824	723	1547

## 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	9	6	6	16	6	7	8	44	29	73
	Above 5 years...	...	...	1	...	2	...	...	...	3	...	3
Vauxhall .....	Below 5 years...	2	...	...	2	1	1	1	...	4	3	7
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Paul's .....	Below 5 years...	...	1	3	1	1	1	1	3	5	6	11
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Exchange .....	Below 5 years...	...	...	1	...	2	1	2	...	5	1	6
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's .....	Below 5 years...	1	3	2	3	...	5	2	...	5	11	16
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Lime Street .....	Below 5 years...	1	2	2	2	1	2	1	1	5	7	12
	Above 5 years...	...	...	...	...	1	1	...	...	1	1	2
Castle Street .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	Below 5 years...	1	...	...	1	1	3	1	...	3	4	7
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
Pitt Street .....	Below 5 years...	1	3	1	...	2	1	...	...	4	4	8
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Great George .....	Below 5 years...	...	1	3	2	2	2	1	...	6	5	11
	Above 5 years...	...	1	...	1	...	...	...	...	...	2	2
Rodney Street .....	Below 5 years...	...	2	4	2	1	1	1	...	6	5	11
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby .....	Below 5 years...	5	2	2	1	...	...	1	...	8	3	11
	Above 5 years...	...	1	...	2	...	...	1	...	1	3	4
Parish Workhouses and Hospitals .....	Below 5 years...	6	2	2	...	2	1	1	1	11	4	15
	Above 5 years...	2	...	1	3	3	1	...	...	4	4	8
Out Township Workhouses and Hospitals .....	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	1	...	...	...	1	...	...	1
Everton and Kirkdale...	Below 5 years...	14	16	24	5	18	10	7	9	63	40	103
	Above 5 years...	4	1	2	2	1	...	1	2	8	5	13
West Derby .....	Below 5 years...	7	7	5	2	5	8	10	13	27	30	57
	Above 5 years...	...	...	2	...	...	...	1	...	3	...	3
North Toxteth .....	Below 5 years...	4	2	8	5	2	4	3	4	17	15	32
	Above 5 years...	1	...	...	...	...	1	1	1	2	2	4
South Toxteth .....	Below 5 years...	7	7	9	5	4	4	7	5	27	21	48
	Above 5 years...	1	1	1	...	...	...	...	...	2	1	3
Parish .....	Below 5 years...	32	25	26	20	29	24	19	13	106	82	188
	Above 5 years...	...	3	2	6	6	2	1	1	9	12	21
Out Townships .....	Below 5 years...	32	32	46	17	29	25	27	31	134	105	239
	Above 5 years...	6	2	5	2	2	1	3	3	16	8	24
Borough .....	Below 5 years...	64	57	72	37	58	50	46	44	240	188	428
	Above 5 years...	6	5	7	8	8	3	4	4	25	20	45

I have received from Mr. Hartnup the following Meteorological Table for the year 1871.

## LIVERPOOL OBSERVATORY.

DATE.	Mean Barometer.	Mean Temperature.	Rainfall on Ground.
1871.	Inches.	°	Inches.
January .....	29·805	33·7	1·33
February .....	29·943	43·0	1·58
March .....	30·002	45·9	0·82
April .....	29·796	48·3	1·99
May .....	30·103	53·0	1·45
June .....	29·965	55·9	2·37
July .....	29·801	59·8	3·77
August .....	30·000	63·4	1·18
September .....	29·922	54·9	3·95
October .....	29·901	50·8	5·22
November .....	30·019	40·0	1·94
December .....	30·058	40·4	1·72

The Select Vestry are kind enough to forward to my office a daily list of the cases of Typhus Fever, Small Pox, and Relapsing Fever 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 six or more cases of Fever, or three or more of Scarlatina, or three or more of Small Pox have occurred during the year.

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tubercular Diseases including Phthisis.	Phthisis.	Other Diseases.
Aintree .....	3	...	3	...	...	...	...
Ashfield .....	10	...	3	...	3	3	17
Athol .....	46	29	16	...	2	2	72
Aldersey .....	7	6	...	...	1	...	9
All Saints Lane .....	4	...	3	...	...	...	3
Arley .....	52	39	9	...	3	3	59
Addison .....	105	73	8	...	9	9	254
Adlington .....	50	34	7	...	5	5	171
Arden .....	8	8	...	...	...	...	4
Ainsworth .....	44	29	5	3	3	...	88
Back Portland .....	64	40	13	4	11	10	235
Blenheim .....	104	56	40	...	13	13	175
Bostock .....	36	30	5	...	3	3	63
Boundary .....	15	10	...	...	2	2	15
Burlington .....	144	104	35	3	3	3	128
Barmouth .....	17	13	4	...	11	11	35
Beacon .....	51	44	6	...	4	3	49
Blackstone .....	13	7	4	...	2	1	27
Burnet .....	44	22	10	...	...	...	90
Birch .....	12	7	5	...	...	...	14
Beau .....	57	51	4	...	5	5	56
Ben Jonson .....	35	28	4	...	2	2	81
Bent .....	31	21	10	...	1	1	55
Birkett .....	41	29	9	...	7	7	77
Beau Lane .....	12	11	...	...	...	...	4
Baptist .....	25	18	3	...	7	3	34
Bay Horse Lane .....	20	16	...	...	1	1	42
Blandford .....	59	19	22	...	1	1	131
Bidder .....	7	...	7	...	...	...	7
Birchfield .....	11	...	8	...	1	...	10
Back Bond .....	16	11	5	...	1	...	8
Bevington Hill .....	12	9	3	...	...	...	6
Bevington .....	38	26	9	...	2	2	30
Blackstock .....	13	6	3	...	1	1	43
Bond .....	69	48	13	...	2	2	58
Burroughs Gardens .....	11	9	...	...	...	...	6
Banastre .....	39	33	6	...	1	1	52
Back Milton .....	7	7	...	...	1	1	3
Bevington Bush .....	7	...	3	...	2	2	22
Bow .....	17	15	...	...	...	...	10
Bispham .....	38	17	5	...	5	5	111

STREET.	Zymotic Diseases, including Fever Scarlatina, and Small Pox.	Fever and Relapsing Fever.	Small Pox	Scarlatina.	Tuber- cular Diseases including Phthisis.	Phthisis.	Other Diseases.
Brook's Alley .....	7	...	5	...	...	...	10
Bolton .....	45	15	6	...	3	3	102
Brownlow Hill (sheds included).....	458	207	167	20	21	17	1989
Back Blake .....	27	6	12	...	3	3	66
Blake .....	68	24	13	...	11	11	172
Brown.....	39	19	3	3	...	...	92
Bailey .....	11	7	...	...	...	...	35
Blundell .....	34	16	16	...	5	5	88
Bridgewater .....	26	9	15	...	1	1	37
Brick .....	128	86	22	4	3	3	252
Bartlam .....	4	...	3	...	...	...	30
Back Seel .....	6	...	3	...	1	1	16
Carlton .....	202	170	23	...	8	8	195
Clay.....	19	18	...	...	...	...	20
Cranmer .....	6	...	5	...	1	1	17
Cemeas .....	5	...	5	...	...	...	8
Chapel Walks .....	10	9	...	...	1	1	8
Chaucer .....	15	14	...	...	2	2	27
Collingwood .....	106	74	26	...	9	8	152
Comus.....	12	7	4	...	3	3	44
Christian .....	40	31	5	...	4	3	67
Circus .....	64	45	14	...	7	7	79
Clare .....	19	7	6	...	2	2	50
Clayton .....	13	9	3	...	5	4	51
Constance .....	6	...	4	...	...	...	24
Chadwick .....	43	38	3	...	4	4	16
Charters .....	60	44	10	...	5	5	66
Chisenhale .....	41	14	20	...	2	2	101
Clement .....	26	9	14	...	2	2	28
Cavendish .....	48	38	9	...	2	2	101
Cherry Lane .....	37	30	5	...	...	...	23
Cheapside .....	16	16	...	...	1	1	16
Copperas Hill.....	37	18	8	...	4	4	93
Chapel Lane .....	9	...	3	...	...	...	22
College Lane .....	4	...	3	...	...	...	63
Crosbie .....	62	41	15	...	2	2	113
Crump .....	26	17	7	...	1	1	25
Darwen .....	11	6	...	4	...	...	40
Denbigh .....	48	44	3	3	...	...	19
Doncaster .....	7	...	6	...	...	...	8
Dublin .....	8	6	...	...	3	2	8
Drinkwater's Gardens	18	11	5	...	...	...	9
Dryden .....	108	79	21	...	6	6	136
Downe .....	8	7	...	...	...	...	8
Denison .....	54	41	12	...	5	5	38
Duckinfield .....	129	71	17	...	22	14	440
Dale.....	6	...	3	...	1	1	45
Duke .....	9	...	5	...	...	...	10
Epsom.....	31	20	7	4	2	2	31
Elgin .....	7	7	...	...	1	1	10
Ellenborough .....	6	...	3	...	...	...	8
Emma Ann .....	9	6	...	...	1	1	8
Eldon .....	86	60	20	...	6	4	120
Eldon Place .....	4	...	3	...	...	...	11
Ennerdale .....	65	55	8	...	...	...	42
Eaton .....	14	9	3	...	4	4	61

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tuber- ular Diseases including Phthisis.	Phthisis.	Other Diseases.
Edgar .....	13	12	...	...	...	...	22
Edward .....	24	13	...	...	3	2	114
Fulton .....	8	...	7	...	...	...	1
Furlong .....	3	...	3	...	...	...	14
Finch Place .....	10	...	4	3	2	2	23
Ford .....	112	103	7	...	2	2	102
Freemason's Row .....	8	...	3	...	...	...	24
Fontenoy .....	37	32	4	...	1	1	87
Frederick .....	9	...	5	...	1	1	34
Green .....	9	...	4	...	1	1	20
Great Howard .....	19	13	6	...	...	...	26
Great Homer .....	8	...	4	...	...	...	10
Gay .....	53	49	3	...	1	1	27
Great Richmond .....	44	35	4	...	...	...	32
Grosvenor .....	41	23	7	...	5	5	82
Gerard .....	59	41	15	...	7	4	89
Gomer .....	13	12	...	...	10	6	46
Graham Place .....	6	6	...	...	...	...	39
Gildart's Gardens .....	63	56	5	...	2	2	77
Gascoyne .....	37	24	13	...	3	3	81
Gibraltar Row .....	25	19	5	...	...	...	18
Great Crosshall .....	12	7	5	...	3	3	30
Grayson .....	26	16	8	...	2	2	47
Greenland .....	26	11	11	...	1	1	77
Gilbert .....	33	11	19	...	6	6	77
Greetham .....	12	...	5	...	1	1	33
Great Newton .....	12	...	4	...	...	...	17
Hankin .....	9	...	4	...	...	...	12
Hopwood .....	39	12	21	...	4	4	45
Hornby .....	236	118	102	7	21	14	441
Hedley .....	105	91	11	...	12	12	132
Hare Place .....	33	27	3	...	2	2	15
Holly .....	17	10	3	...	3	3	55
Hunter .....	13	...	6	...	1	1	9
Harrison .....	20	13	4	...	1	1	29
Highfield .....	29	12	17	...	...	...	31
Henry Edward .....	56	34	10	...	1	1	156
Hockenhall Alley .....	7	6	...	...	...	...	25
Hodson .....	27	17	6	...	1	1	138
Hilbre .....	20	...	3	...	3	3	37
Hawke .....	25	16	6	...	3	1	102
Harford .....	6	...	4	...	...	...	20
Hanley .....	12	...	5	...	5	5	28
Hotham .....	12	...	6	...	4	4	27
Idris .....	5	...	3	...	1	1	19
Islington .....	6	...	4	...	1	1	9
Johnson .....	19	14	...	...	5	5	55
Jones .....	15	7	...	...	1	1	33
Jasper .....	4	...	3	...	...	...	12
Jamaica .....	8	8	...	...	...	...	5
Jordan .....	59	11	30	4	8	8	140
Kew .....	43	33	9	...	5	5	85
Kent .....	15	6	...	...	1	1	48
Knight .....	5	...	3	...	2	2	20
Kitchen .....	65	43	15	...	6	6	129
Limekiln Lane .....	71	55	12	...	7	7	98
Latimer .....	19	9	8	...	2	2	33

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tuber- cular Diseases, including Pnthisis.	Phthisis.	Other Diseases.
Louis .....	4	...	4	...	...	...	2
Landor .....	9	...	8	...	1	1	19
Lincoln .....	12	12	...	...	...	...	6
Love Lane .....	4	...	3	...	1	1	9
Lambert .....	22	7	8	...	5	5	56
London Road .....	5	...	4	...	...	...	2
Lionel .....	29	18	8	...	1	1	30
Lower Myrtle .....	16	15	...	...	1	...	24
Lower Milk .....	8	7	...	...	1	1	26
Leeds .....	20	9	8	...	...	...	52
Lace .....	38	22	4	...	4	4	139
Leander .....	16	10	...	...	...	...	22
Leece .....	4	...	3	...	2	2	6
Lydia Ann .....	6	...	5	...	1	1	13
Mile End .....	19	12	6	...	...	...	18
Mould .....	11	9	...	...	...	...	7
Menai .....	13	...	8	...	2	2	66
McKee .....	10	6	...	...	2	2	26
Mansfield .....	20	8	11	...	2	2	70
Myrtle View .....	17	12	4	...	2	1	4
Maguire .....	37	29	6	...	4	4	52
Marybone .....	13	8	...	...	...	...	13
Milton .....	76	62	12	...	5	5	127
Marlborough .....	28	15	7	...	3	3	50
Midghall .....	35	27	7	...	4	4	134
Maiden's Green .....	10	8	...	...	...	...	7
Maghull .....	10	7	...	...	...	...	16
Newsham .....	71	59	8	...	6	6	89
Nursery .....	3	...	3	...	...	...	12
Nash Grove .....	60	48	3	...	6	5	51
Naylor .....	65	48	15	...	3	3	75
North .....	86	53	33	...	2	1	98
Norman .....	17	6	4	...	11	11	68
Norris .....	14	9	5	...	...	...	11
New Hall .....	17	...	8	...	...	...	64
Norfolk .....	49	26	18	...	5	4	97
Orry .....	19	19	...	...	...	...	1
Oriel .....	71	57	10	...	3	3	119
Oakes .....	52	26	6	...	7	7	97
Penrhyn .....	19	11	7	...	1	1	38
Portland .....	46	29	13	...	7	7	157
Paget .....	37	14	20	...	7	6	75
Prince's Walk .....	13	9	4	...	11	11	6
Pepper .....	6	6	...	...	1	1	14
Porter .....	65	64	...	...	1	1	30
Pall Mall .....	17	11	6	...	1	1	32
Paul .....	66	57	8	...	6	6	55
Plumbe .....	10	10	...	...	...	...	11
Prussia .....	20	15	5	...	...	...	15
Pownall Square .....	6	...	3	...	...	...	1
Primrose Hill .....	15	11	...	...	1	1	72
Portland Place .....	9	...	6	...	1	1	10
Prudhoe .....	10	9	...	...	...	...	5
Pembroke .....	30	14	7	...	...	...	48
Peach .....	39	30	...	...	4	2	163
Pellew .....	21	16	4	...	5	5	43
Pitt .....	26	6	18	...	3	2	67

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tuber- cular Diseases, including Phthisis.	Phthisis.	Other Diseases.
Pownall .....	4	...	4	...	1	1	21
Park Lane .....	16	6	9	...	1	1	28
Parliament .....	17	12	5	...	1	1	19
Queen Anne .....	12	6	4	...	2	2	57
Raymond .....	118	63	32	...	6	6	182
Raglan .....	10	9	...	...	7	7	9
Rachel .....	237	220	10	...	9	8	108
Regent .....	73	63	10	...	3	3	37
Regent Road .....	4	...	3	...	...	...	4
Ray .....	12	...	10	...	1	1	12
Richmond Row .....	45	32	11	...	3	3	74
Rose Place .....	56	39	12	...	8	8	80
Rose Hill .....	8	8	...	...	...	...	20
Redmond Place .....	11	8	...	...	...	...	8
Roderick .....	4	...	3	...	...	...	9
Rawsthorne Square .....	13	10	3	...	1	1	5
Russell .....	6	...	3	...	...	...	6
Russell place .....	10	...	4	...	4	4	42
Rupert Place .....	5	...	3	...	...	...	29
Roscoe Lane .....	13	...	6	4	1	1	39
Raffles .....	13	9	...	...	...	...	20
Rathbone .....	33	20	8	...	...	...	70
Saint Martin .....	03	58	32	...	6	6	166
Scotland Road .....	46	33	12	...	3	3	35
Silvester .....	38	21	16	...	5	5	73
Skirving .....	23	6	16	...	...	...	25
Saltney .....	121	109	12	...	2	1	106
Shadwell .....	7	6	...	...	1	1	19
Sherwood .....	86	82	...	...	...	...	101
Slade .....	30	15	15	...	8	8	53
Sand .....	49	38	8	...	6	6	68
Snowdon .....	8	6	...	...	4	2	47
Seacombe Lane .....	11	6	4	...	...	...	4
Saint Anne .....	26	13	7	...	7	6	38
Soho .....	6	...	3	...	2	2	41
Spring Place .....	33	22	10	...	...	...	34
Springfield .....	8	...	4	...	...	...	6
Sir Thomas' Buildings	9	8	...	...	...	...	10
Summer Seat .....	11	5	6	...	1	1	17
Smithfield .....	20	11	6	...	...	...	27
Sawney Pope .....	78	55	14	...	6	6	183
Standish .....	12	9	...	...	...	...	79
Stockdale .....	72	53	18	...	1	1	111
Saint Andrew .....	95	31	27	3	4	3	251
Seagrave .....	12	...	8	...	1	1	28
Silver .....	15	13	...	...	...	...	23
Shaw's Alley .....	14	...	7	...	...	...	33
Sparling .....	15	...	7	...	1	1	55
Summer .....	8	...	3	...	1	1	7
Saint James .....	11	7	3	...	2	2	43
Simpson .....	43	34	4	...	7	6	60
Tatlock .....	62	31	27	...	9	9	116
Tenterden .....	18	12	4	...	...	...	33
Titchfield .....	35	25	8	...	6	6	110
Townsend .....	11	...	9	...	...	...	10
Tindall .....	45	37	5	...	4	4	39
ThurLOW .....	26	11	9	...	4	4	46

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tuber- cular Diseases including Phthisis.	Phthisis.	Other Diseases.
Torbock .....	17	6	10	...	...	...	17
Thomas.....	17	...	10	...	3	3	127
Trueman.....	39	30	5	...	...	...	100
Trowbridge.....	50	18	7	...	6	6	76
Upper Milk .....	6	...	3	...	2	2	20
Upper Frederick.....	84	40	28	...	15	15	201
Upper Pitt .....	3	...	3	...	...	...	9
Upper Pownall.....	12	...	7	...	...	...	15
Vauxhall Road .....	45	24	18	...	5	5	66
Virgil .....	9	7	...	...	1	1	14
Vernon .....	24	17	5	...	3	3	47
Woodstock .....	43	18	21	...	5	5	84
Wright.....	63	31	26	...	10	10	101
Walmsley .....	12	6	3	...	2	...	38
Whitley .....	56	41	12	...	...	...	72
Wellington.....	22	21	...	...	2	2	7
Wilton .....	3	...	3	...	...	...	30
Wigan .....	11	9	...	...	1	1	6
Westmoreland .....	27	13	14	...	2	1	31
Westmoreland Place...	3	...	3	...	1	1	3
White Mill.....	13	12	...	...	1	1	8
Warren .....	40	10	17	...	5	3	91
Watkinson .....	34	15	14	...	4	4	107

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.

1871. WEEK ENDING.		TYPHUS				SIMPLE CONTINUED.				RELAPSING FEVER.				SMALL POX.				MEASLES.				SCARLATINA.										
		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.	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.	7..	16	5	2	3	16	2	..	..	..	..	756	150	163	12	731	70	45	22	6	87	25	16	12	6	23	6	..	1	..	5	
"	14..	16	7	4	1	18	..	2	2	..	..	761	163	205	13	676	87	72	36	10	113	23	9	5	8	19	5	..	3	..	2	
"	21..	18	9	..	2	25	..	..	..	..	..	676	152	189	10	629	113	46	32	18	109	19	6	12	2	11	2	..	5	..	..	
"	28..	25	10	10	2	23	..	..	..	..	..	629	116	179	11	555	109	69	37	8	133	11	3	4	5	5	..	1	1	..	..	
Feb.	4..	23	1	2	4	18	..	..	..	..	..	555	123	179	15	484	133	65	30	18	150	5	6	4	2	5	..	1	1	..	..	
"	11..	18	4	5	..	17	..	..	..	..	..	484	184	172	6	440	150	105	38	17	200	5	5	3	1	6	..	2	2	..	..	
"	18..	17	8	5	1	19	..	..	..	..	..	440	113	133	8	412	200	111	65	19	227	6	3	2	2	5	..	1	1	..	..	
"	25..	19	9	4	4	20	..	..	..	..	..	412	88	133	6	361	227	96	67	38	218	5	..	..	5	..	..	..	..	..		
March	4..	20	6	7	..	19	..	..	..	..	..	361	79	143	5	292	218	91	76	12	221	..	3	..	..	3	..	..	..	..	..	
"	11..	19	8	3	1	23	..	..	..	..	..	292	66	100	1	257	221	92	64	16	233	3	2	..	..	5	..	..	..	..	..	
"	18..	23	8	7	1	23	..	..	..	..	..	257	82	116	3	220	233	57	60	17	213	5	4	1	1	7	..	2	..	..	..	
"	25..	23	10	6	2	25	..	..	..	..	..	220	44	85	1	178	213	51	48	13	203	7	..	6	1	..	..	2	3	..	..	
April	1..	25	5	2	3	25	..	..	..	..	..	178	64	79	4	159	203	47	54	13	183	..	..	..	..	..	..	3	3	..	..	
"	8..	25	8	10	2	21	..	..	..	..	..	159	56	88	2	125	183	78	39	13	209	..	1	..	..	1	..	3	..	..	..	
"	15..	21	8	5	..	24	..	..	..	..	..	125	44	33	1	135	209	66	42	10	223	1	2	1	..	2	..	3	1	3	..	..
"	22..	24	22	6	6	34	..	..	..	..	..	135	51	67	2	117	223	49	47	17	208	2	3	..	..	5	..	1	1	..	..	
"	29..	34	14	8	6	34	..	..	..	..	..	117	53	48	3	119	208	67	58	7	210	5	..	1	..	4	..	2	2	..	..	
May	6..	34	4	4	2	32	..	..	..	..	..	119	38	57	2	98	210	23	41	15	177	4	..	..	4	..	3	1	1	..	..	
"	13..	32	11	7	2	34	..	..	..	..	..	98	41	46	5	88	177	52	38	12	179	4	1	2	..	3	..	3	..	2	..	
"	20..	34	10	9	2	33	..	..	..	..	..	88	54	53	1	88	179	37	46	9	161	3	..	3	..	..	1	1	..	..	..	
"	27..	33	10	12	3	28	..	..	..	..	..	88	50	53	1	84	161	37	50	7	141	..	..	..	..	..	2	..	..	..	..	
June	3..	28	10	9	2	27	..	..	..	..	..	84	55	56	4	79	141	35	35	4	137	..	1	..	..	1	..	2	..	1	..	
"	10..	27	20	10	6	31	..	..	..	..	..	79	41	39	1	80	137	30	27	8	132	1	1	..	..	2	..	1	1	..	..	
"	17..	31	10	14	1	26	..	..	..	..	..	80	29	45	2	62	132	39	42	11	118	2	2	1	1	2	..	2	9	..	..	
"	24..	26	14	9	1	30	..	..	..	..	..	62	40	35	2	65	118	31	26	2	121	2	..	..	..	2	..	11	2	..	..	
July	1..	30	17	5	1	41	..	..	..	..	..	65	54	36	1	82	121	14	24	3	108	2	5	1	..	6	..	11	5	..	..	
"	8..	41	9	14	2	34	..	..	..	..	..	82	43	44	3	78	108	32	34	2	104	6	..	1	1	4	..	6	1	..	..	
"	15..	34	5	13	3	23	..	..	..	..	..	78	66	48	..	96	104	20	15	4	105	4	2	3	..	3	..	7	3	4	2	
"	22..	23	16	9	3	27	..	..	..	..	..	96	55	59	1	91	105	23	19	6	103	3	1	..	..	4	..	4	..	1	..	
"	29..	27	15	5	2	35	..	..	..	..	..	91	40	52	1	78	103	18	18	5	98	4	..	3	..	1	..	3	..	2	..	
Aug.	5..	35	6	9	..	32	..	..	..	..	..	78	67	47	2	96	98	16	26	1	87	1	..	1	..	..	1	..	1	..	..	
"	12..	32	14	13	..	33	..	20	..	20	..	96	51	73	1	73	87	9	19	3	74	..	1	..	..	1	..	..	..	..	..	
"	19..	33	9	10	2	30	20	13	9	1	23	73	35	44	2	62	74	9	21	2	60	1	3	..	..	4	..	..	..	..	..	
"	26..	30	6	8	1	27	23	10	18	..	15	62	38	31	1	68	60	8	19	1	48	4	1	4	..	1	..	..	..	..	..	
Sept.	2..	27	3	9	4	17	15	20	6	..	29	68	27	20	1	74	48	7	12	3	40	1	..	1	..	..	..	1	..	..	..	
"	9..	17	6	10	..	13	29	20	15	..	34	74	29	38	..	65	40	3	7	1	35	..	1	..	..	1	..	1	..	..	..	
"	16..	13	3	3	3	10	34	21	24	1	30	65	44	27	1	81	35	5	12	..	28	1	..	1	..	..	..	1	..	..	..	
"	23..	10	8	3	1	9	30	30	23	1	36	81	47	34	1	93	28	4	9	3	20	..	..	..	..	..	1	2	..	..	..	
"	30..	9	5	2	1	11	36	32	14	..	54	93	34	30	7	90	20	5	6	1	18	..	..	..	..	..	3	2	1	..	..	
Oct.	7..	11	3	6	1	7	54	20	31	..	43	90	72	56	4	108	18	1	6	2	11	..	..	..	..	..	..	..	..	..	..	
"	14..	7	9	1	3	12	43	22	20	..	45	108	37	39	1	105	11	5	3	..	13	..	..	..	..	..	..	4	..	..	..	
"	21..	12	12	2	1	21	45	22	13	..	54	105	35	45	3	92	13	9	3	3	16	..	..	..	..	..	..	..	..	..	..	
"	28..	21	6	2	3	22	54	20	22	..	52	92	55	36	3	108	16	8	4	..	20	..	1	..	..	1	..	..	..	..	..	
Nov.	4..	22	9	4	2	25	52	20	20	..	52	108	34	46	2	94	20	3	5	1	17	1	..	1	..	..	..	..	..	..	..	
"	11..	25	2	3	1	23	52	8	12	..	48	94	36	43	1	86	17	5	2	..	20	..	..	..	..	..	..	..	..	..	..	
"	18..	23	15	5	4	29	48	14	20	..	42	86	58	41	2	101	20	4	6	..	18	..	6	1	3	2	..	..	..	..	..	
"	25..	29	9	6	5	27	42	3	35	..	10	101	39	34	1	105	18	4	5	..	17	2	2	2	..	2	..	..	..	..	..	
Dec.	2..	27	14	6	7	28	10	5	3	..	12	105	30	29	2	104	17	1	8	1	9	2	1	2	..	1	..	..	..	..	..	
"	9..	28	2	5	2	23	12	2	3	..	11	104	35	56	..	83	9	1	1	..	9	1	2	..	2	1	..	..	..	..	..	
"	16..	23	22	12	2	31	11	4	3	..	12	83	34	38	1	78	9	3	..	1	11	1	2	..	2	1	..	..	..	..	..	
"	23..	31	18	5	3	41	12	3	6	..	9	78	33	44	..	67	11	2	4	..	9	1	2	..	1	2	..	..	..	..	..	
"	30..	41	10	7	7	37	9	2	4	..																						

The above Return includes cases at Kirkdale, Ashfield Street, and West Derby Road Branches.

## PARISH OF LIVERPOOL.

## RETURN OF PERSONS IN RECEIPT OF RELIEF IN THE YEAR 1871.

Week ending.	Work-house.	Industrial Schools.	Out Relief.	Week ending.	Work-house.	Industrial Schools.	Out Relief.
1871.				1871.			
January 7...	3809	1273	11173	July 8...	2442	1085	8416
" 14...	3817	1260	10738	" 15...	2422	1065	8392
" 21...	3718	1262	10403	" 22...	2467	1068	8510
" 28...	3621	1280	10530	" 29...	2485	1057	8476
February 4...	3611	1267	10572	August 5...	2449	1067	8364
" 11...	3558	1258	10281	" 12...	2384	1052	8284
" 18...	3538	1261	10150	" 19...	2369	1061	8260
" 25...	3445	1245	10003	" 26...	2381	1065	8286
March 4...	3360	1219	9966	September 2...	2411	1046	8260
" 11...	3308	1217	9877	" 9...	2367	1074	8226
" 18...	3222	1230	9883	" 16...	2371	1070	8273
" 25...	3115	1218	9686	" 23...	2399	1049	8242
April 1...	3054	1191	9468	" 30...	2420	1044	8194
" 8...	2963	1183	9355	October 7...	2421	1025	8222
" 15...	3020	1201	9294	" 14...	2450	1022	8234
" 22...	2930	1213	9263	" 21...	2451	1031	8161
" 29...	2886	1175	9188	" 28...	2508	1027	8158
May 6...	2729	1155	9070	November 4...	2506	1024	8121
" 13...	2705	1155	9021	" 11...	2534	1030	8216
" 20...	2677	1160	9060	" 18...	2559	1030	8313
" 27...	2625	1181	8987	" 25...	2556	1030	8312
June 3...	2565	1101	8839	December 2...	2559	1040	8335
" 10...	2515	1124	8622	" 9...	2563	1041	8389
" 17...	2459	1107	8731	" 16...	2608	1057	8228
" 24...	2459	1104	8685	" 23...	2621	1046	8259
July 1...	2442	1098	8575	" 30...	2597	1050	7815

These show that the average number of persons suffering from Typhus at one time in Hospital during the year 1871, was 24, and their per centage death-rate 24·4; the average number of Simple Continued Fever Cases at one time in Hospital (from August 12th) was 30, and their per centage death-rate 1·0; the average number of cases of Relapsing Fever, at one time in Hospital during the year 1871, was 177, and their per centage death-rate was 4·2; the average number of cases of Small Pox, at one time in Hospital during the whole year was 104, and their per centage death-rate was 20·4; the average number of cases of Measles at one time in Hospital during the year was 3, and their per centage death-rate was 34·4; the average number of cases of Scarlatina at one time in Hospital, during the year was 2, and their per centage death-rate was 6·5.

The number of persons in receipt of Parochial Relief on Saturday, the 1st July, 1871, was 12,115, or 2,019 less than at the corresponding period of 1870, and the number on Saturday, the 30th December, was 11,462, or 3,910 less than at the same period of 1870.

## SANITARY WORK.

Classification of Privies Certified for Conversion into Water Closets, from January to December, 1871, both months inclusive.

CAUSE OF CERTIFICATE.	DISTRICTS.								TOTAL.
	Saint Martin's.	Dale Street.	Islington.	Saint George's.	Mount Pleasant.	Everton and Kirkdale.	West Derby.	The Toxteths.	
Privies adjoining House Walls .....	3	1	2	1	4	8	17	6	42
Privies situated inside Houses and beneath inhabited Apartments. ....	...	...	...	1	1	1	...	1	4
Privies emptied through Yards of other Houses .....	...	...	1	...	...	...	...	...	1
Privies emptied through Courts .....	1	...	...	...	...	...	...	...	1
Privies close and confined and adjoining fire-places .....	...	...	...	...	...	...	1	...	1
Privies situated within 3 feet of windows of rooms .....	...	...	...	...	...	1	...	2	3
Privies situated beneath bedrooms .....	2	...	...	...	...	...	2	...	4
Privies emptied upon footpath of street...	...	...	...	...	...	18	...	...	18
Tunnel Middens .....	...	...	...	...	...	4	...	...	4
TOTAL .....	6	1	3	2	5	32	20	9	78

## 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. The effect of this arrangement is to lessen the number of registered lodging-houses.

There were on the register 1,134 lodging houses at the end of 1870, and 1,104 at the end of 1871. This difference was occasioned by the removal of 281 old licenses and the addition of 251 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 46,329, and the night visits 5,986. The number of lodging-houses found overcrowded on the night visits was 26; the number of informations laid for breaches of the bye-laws was 69, with the results of fines in 64 cases to the extent of £16 15s., in sums varying from 1s. to 20s. and costs. The number of lodging-houses found dirty was 361; 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 1,641 such visits paid during the day, and in 51 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 300 such notices issued during the year, but in only 5 cases did the tenants refuse to comply; they were brought before the Justices, four were fined, and in one case the information was withdrawn as the tenant had made the necessary application after the issuing of the summons. 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. 129 cases of Fever and 132 cases of Small Pox occurred in lodging-houses; in 199 of the cases the patients were at once sent to Hospital, the remaining 62 (including 39 of Small Pox, and 23 of Fever) being members of the keepers' families, were not removed; 4 of the cases of Fever and 18 of the cases of Small Pox which were not removed to Hospital died. In all cases of infectious disease the bedding was at once removed to the disinfecting apparatus, and the rooms purified and cleansed; in the 62 cases where the patients remained, the licenses to receive lodgers were suspended by the Medical officer. No lodger died from Fever or Small Pox in a registered lodging-house; but not including the 22 cases of Fever and Small Pox, there were 110 deaths from non-contagious diseases in lodging-houses, of which 94 belonged to the keepers' families and 16 were lodgers.

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

The number of sub-let houses on the Registry at the termination of 1870 was 8,803; the number registered during 1871 was 477, making the total on the register on the 31st December, 9,280. The number of visits paid during the night was 11,943, and during the day 47,870, with the result of finding 1,236 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 of, and is entered in the books of the Inspectors. There were 550 rooms thus indecently occupied by 799 males and 1,022 females, besides having also in these rooms 506 children between the ages of 5 and 13 years.

Informations were laid against 932 chief tenants for permitting overcrowding in rooms with the following results:—634 were fined 1s. and 1s. costs; 168 fined 2s. 6d. and 2s. 6d. costs; 46 fined 5s. and costs; 18 fined 10s. and costs; 12 fined 20s. and costs; and 6 fined 40s. and costs, making a total of fines levied during the year of £168 7s. 0d. Of the remaining 48

cases, 23 informations were withdrawn, the tenants having abated the overcrowding ; in 25 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.

### WORKSHOPS.

The duty of enforcing the provisions of the Workshop Act was, in August 1871, transferred from the local authority to the Inspectors, and Sub-Inspectors of Factories ; but until that period visits were paid by a Health Inspector to workshops upon receipt of complaints. 6 visits were thus paid and in 4 cases, where there was a breach of the Saturday half-holiday the employers were brought before the Justices, and fined in penalties varying from 2s. 6d. to 60s. and costs. The amount of fines was £4 8s. 6d.]

### BAKEHOUSES.

923 day visits and 1,022 night visits have been paid to Bakehouses during the year. 16 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 14 cases penalties varying from 1s. and 1s. costs to 20s. and costs, and making a total of £5 11s. were inflicted. In 2 cases the employers were acquitted, being the first offence. 56 Bakehouses were found dirty and notices were served to limewash and cleanse them.

### LICENSES FOR CATTLE.

During the year 1871, 20 applications for Licenses to keep 170 cows were made to and granted by the Health Committee ; these, in addition to premises previously licensed, make up the number to 565 shippens, capable of containing 5,592 cows. 35 of the premises previously licensed have been transferred to fresh tenants. In 68 of the shippens, pigs are also allowed to be kept ; in 61 of them, only 2 pigs each ; in 6, 4 pigs ; and in 1, 5 pigs.

61 applications were made during the year to keep pigs in styres separate from and unconnected with shippens ; 21 of these applications, for keeping 47 pigs, were granted. The total number of premises or styres now licensed in the Borough (excluding shippens) is 302, for keeping 926 pigs.

## MORTUARIES.

By the 27th section of the Public Health Act, 1866, the Nuisance Authority is empowered "to provide a Mortuary or proper place for the reception of bodies, dead, of infectious disease, which are detained in any room in which persons live or sleep, and of bodies which are in such a state as to endanger the health of the inmates of the house, or room in which they are kept. The removal of the body must be by order of the Justice on the certificate of a legally qualified medical practitioner, and the Justice is also empowered to direct the body to be buried in a time to be limited in such order; and then, unless the friends or relations of the deceased bury the body within the time so limited, it shall be the duty of the Relieving Officer to bury such body, but any expense so incurred, may be recovered by the Relieving Officer in a summary manner from any person legally liable to pay the expense of such burial."

Experience in the Small Pox epidemic showed the all-importance of this legal power, and induced the Council to put into operation the provisions of the Act. As a large proportion of the families of our population, live and sleep in single room habitations, it necessarily happened that in a number of cases the living were obliged to be by night and day in the presence of the dead from this loathsome and contagious disease. No language can be too strong to depict the horror of such a condition, its demoralising effect on the relatives of the deceased, and its intense danger both to them and the community. No care could altogether remove such danger, but when not even the most ordinary precautions were taken by the families of the deceased, to limit the spread of the infection—when wakes were held over the dead in the overcrowded room—when drunken persons lay down at night to sleep on the same bed with the corpse, and rose, unwashed in the morning, to mingle with the general population, it naturally caused a justly founded alarm among the people of the neighbourhood. There was no reluctance on the part of the Parochial Authorities to undertake, whenever it was practicable, the removal to Hospital of the sufferers of infectious disease, or to bury the dead from Small Pox at the cost of the Poor Rates, when either from refusal of the patients or their friends, such removal had not taken place, and when the Relieving Officer had satisfied himself that the relatives had it not in their power to bury the corpse. It however was only under the precise conditions of the Act of 1866 that either the removal of the sick or the immediate burial of the dead could be made compulsory, and those conditions were not fulfilled so long as the Council of the Borough were without Mortuaries and without any

arrangement for Hospital accommodation. It was therefore determined by the Health Committee to provide three Mortuaries as required by the law; one to be situated in the Parish; one in West Derby; and one in Toxteth Park. The Mortuary for the Parish was erected in St. Martin's Churchyard. There was some slight difficulty in the choice of proper localities for the Mortuaries of Toxteth Park and West Derby; but that difficulty was at once removed by the kindness of the Burial Board of the Parish placing at the service of the Health Authorities of the Borough an Arcade in Anfield Cemetery; and by the offer of the Toxteth Burial Board to permit the Council to erect a Mortuary in Smith-down Lane Cemetery. As both these Cemeteries are situated outside the Borough, it became necessary to obviate by arrangement any legal objections which might hereafter be raised by the Relieving Officers of the several districts. This matter was brought by the Health Committee before the notice of the Guardians of the West Derby and Toxteth Unions, and they at once agreed "that they would give every facility for the removal and burial of corpses of persons dying within those parts of the Borough, situated in their Unions, and with regard to which Magisterial orders had been obtained under the 27th Section of the Sanitary Act 1866, and that no objection would be taken that the Mortuary in which any corpse has been deposited is not within the Township in which the person died." The Mortuaries having been provided, it was at first arranged that the cost of the compulsory removal should be paid by the Council, but the work should be done by the staff of the several Parishes. This arrangement however was soon found not to answer, and then the Council purchased a hearse, and obtained contracts for the supply of coffins, and took into their own hands the whole management of the removal of the bodies to the Mortuaries. As the working of the system of compulsory removal to a Mortuary is new, and to a certain extent experimental, it will perhaps not be considered tedious and prolix to give a short detail of all the cases which were removed by orders of the Justices on the certificate of the Medical Officer of Health.

In most of the following cases; indeed in all instances of infectious disease attended by the parochial medical men, when the family lived in the same room with the sick, efforts were made both by the relieving and health officers, to have the patients removed to hospital; but too frequently the sufferers were either too young or too weak to justify compulsory removal against the determined wishes of their parents or relatives. In many cases no application was made for medical aid, and no intimation of the sickness sent to the parochial officers until the patients were moribund. The very fear of having their children forcibly removed to hospital was unfortunately an inducement for keeping secret the existence of sickness until too late for medical relief.

Date.	No.	Street.	Description.	Remarks.
March.				
1st	15	Beresford Road .....	Child—Small Pox...	Family live and sleep in same room, preparations for a wake.
„	8	Stockdale .....	Young Woman do...	A child suffering from same disease, family live and sleep in same room.
„	15 in 5 Court	Prussia .....	Girl do...	Family live and sleep in same room.
„	4 in 1 Court	Stockdale .....	Man do...	Ditto ditto
3rd	30	Gibraltar Row .....	Child do...	Ditto ditto
4th	13 Cellar	Newport .....	Do. do...	Family and lodger live and sleep in cellar.
6th	6 in 10 Court	Pall Mall .....	Girl do...	Parents live in same room.
8th	1 in 2 Court	North .....	Do. do...	Family live and sleep in same room.
11th	10 in 1 Court	Crow .....	Child do...	Ditto ditto
13th	54 Cellar	Warren .....	Two Children do...	Two other children ill of same disease and family live and sleep in cellar.
15th	2	Epsom .....	Child do...	Family live and sleep in same room.
17th	4 in 1 Court	Sawney Pope .....	Woman do...	Ditto ditto
18th	3	Broom .....	Girl do...	Ditto ditto
22nd	42	Jordan .....	Woman do...	Body offensive, but not kept in occupied room.
31st	81	Westmoreland Place	Girl do...	Ditto ditto
April.				
4th	12	Rachel.....	Woman do...	Family live and sleep in same room, and several drunken people were lying upon floor at the time of removal of the body.
„	82	Victoria .....	Girl do...	Family live and sleep in same room.
„	7	Clyde .....	Man do...	Body offensive, but not kept in occupied room.
6th	6 Cellar	Star .....	Girl do...	Another child ill of same disease, and family live and sleep in cellar.
11th	68	Hornby .....	Woman—Fever.....	Body offensive, but not in an occupied room.
12th	72	Gilbert .....	Man—Small Pox ...	Family live and sleep in same room.
„	107	Henderson .....	Boy do. ...	Ditto ditto
14th	41	Carlton .....	Woman do. ...	Ditto ditto
„	41	Northumberland ..	Boy do. ...	Body offensive, but not in an occupied room.
18th	9	Cyrus Square.....	Child do. ...	Family live and sleep in same room.
„	31	Fisher .....	Do. do. ...	Family and a lodger live and sleep in same room.
22nd	11 Cellar	Bower .....	Do. do. ...	A large family, consisting of several children, live and sleep in cellar.
25th	13 Cellar	Star .....	Do. do. ...	Family live and sleep in cellar.
26th	1	Roger .....	Do. do. ...	Family live and sleep in same room.
27th	5 in 3 Court	Prince William .....	Do. do. ...	Ditto ditto
28th	5	Wolfe .....	Do. do. ...	Ditto ditto
„	33 Cellar	Bembridge .....	Woman do. ...	Family live and sleep in cellar.
May.				
4th	4 in 2 Court	Gore.....	Child do. ...	Family live and sleep in same room.
9th	5 in 3 Court	Prince William .....	Do. do. ...	Family live and sleep in same room, the second child removed from this house.
15th	11 in 1 Court	Gasceyne.....	Girl do. ...	Family live and sleep in same room, the attention of Inspector was called to this case by the holding of a wake, and the presence of a number of drunken people at it.
15th	19	Fleet .....	Woman ...	The disease not infectious, but body was offensive, family live and sleep in same room.

Date.	No.	Street.	Description.	Remarks.
May. 15th	27	Paxton .....	Child—Small Pox...	Family live and sleep in same room.
17th	3 in 1 Court	Arley .....	Man—Fever .....	Widow slept in same bed with corpse, and was drunk at the time of its compulsory removal.
19th	4 in 1 Court	Eaton .....	Child—Small Pox...	Family live and sleep in same room.
"	4 in 2 Court	Brindley .....	Do. do. ...	Ditto ditto
"	2 Cellar	Skirving .....	Do. do. ...	Family live and sleep in cellar.
"	2 in 6 Court	Fernie .....	Do. do. ...	Family live and sleep in same room.
20th	6 in 2 Court	Gore .....	Do. do. ...	Ditto ditto
24th	13	Milton.....	Man do. ...	Child ill of same disease, and family live and sleep in same room.
25th	1 in 1 Court	Whitley .....	Child do. ...	Family live and sleep in same room.
"	13	Milton.....	Do. do. ...	Family live and sleep in same room, second body removed from this house.
26th	34	Rutter .....	Boy do. ...	Family live and sleep in same room.
30th	30	Christopher .....	Girl do. ...	Ditto ditto
"	5 in 14 Court	Naylor.....	Boy do. ...	Ditto ditto
"	11 Cellar	Skirving.....	Man do. ...	Widow and several children live and sleep in cellar.
31st	4 in 5 Court	Gascoyne .....	Boy do. ...	Family live and sleep in same room.
"	1 Cellar	Back Grafton.....	Man do. ...	Family live and sleep in cellar.
June. 1st	4 in 14 Court	Rathbone .....	Woman—Fever.....	Three Women live and sleep in same room.
3rd	14	Upper Milk .....	Man—Small Pox ...	Family live and sleep in same room.
7th	75	Collingwood .....	Woman do. ...	Ditto ditto
"	25	Gildart's Gardens ...	Girl do. ...	Ditto ditto
9th	57	Pitt .....	Child do. ...	Another child ill of same disease, and family live and sleep in same room.
13th	46	Henry Edward .....	Boy do. ...	Family live and sleep in same room.
26th	46	Dinorben .....	Child do. ...	Another child ill of same disease, and family live and sleep in same room.
29th	46	Dinorben .....	Do. do. ...	Family live and sleep in same room.
July. 2nd	6 in 14 Court	St. Andrew.....	Do. do. ...	Ditto ditto
9th	8 in 2 Court	Naylor .....	Man do. ...	Family live and sleep in same room, preparations for a wake.
19th	3 in 9 Court	Primrose Hill.....	Child do. ...	Another child ill of same disease, and family live and sleep in same room.
"	4 in 13 Court	Bostock .....	Do. do. ...	Family live and sleep in same room.
29th	5 in 38 Court	Paul .....	Do. do. ...	Family live and sleep in same room, preparations for a wake.
Aug. 1st	3 in 9 Court	Primrose Hill.....	Do. do. ...	Family live and sleep in same room. This is the second child removed ; the father had violently resisted the removal of the children to hospital.
2nd	1 Cellar	Ascot ... ..	Man.....	The disease not infectious, but the body was offensive.
12th	1 in 4 Court	Comus.....	Woman .....	The disease not infectious, but the body was offensive, and was re- tained for the purpose of a wake, which continued for several days and nights, and at time of removal several persons were lying drunk upon the floor.

Date.	No.	Street.	Description.	Remarks.
Aug. 16th	34 Cellar	Holden .....	Child--Small Pox...	Family live and sleep in cellar,
18th	6 in 8 Court	Bond .....	Do. do. ...	Family live and sleep in same room.
21st	21	Gascoyne .....	Do. do. ...	Ditto ditto
"	16	Wellington .....	Woman do. ...	Ditto ditto
"	18	Ennerdale .....	Child .....	The disease not infectious, but the body was offensive, family live and sleep in same room; preparation for a wake.
31st	1 in 5 Court	Prince William .....	Child .....	The disease not infectious, but the body offensive, had been retained for the purpose of a wake, and at time of removal father and lodger were lying drunk upon the floor.
Sept. 4th	1 Court	Islington .....	Child--Small Pox...	Family live and sleep in same room.
6th	11 Court	Wolfe .....	Do. Scarlatina...	Ditto ditto
22nd	7 in 1 Court	Low Wood .....	Child .....	The disease not infectious, but body offensive, had been kept for the purpose of a wake.
29th	5 in 3 Court	Lime Kiln Lane	Woman .....	Ditto ditto
Oct. 2nd	17	Brick .....	Child--Small Pox...	Family live and sleep in same room.
13th	6	Harrison .....	Woman--Fever ...	The body kept several days for the purpose of a wake, and family lived and slept in same room during that time.
"	5 in 11 Court	Ford... ..	Do. do. ...	Family live and sleep in same room.
17th	12 Cellar	Milton ... ..	Do. do. ...	Three women live and sleep in cellar, and a wake had been held.
"	13	Stockdale .....	Man.... ..	The disease not infectious, but body offensive. This body was kept some days, and the widow was found in bed with corpse.
20th	29	Gascoyne.....	Woman--Fever ...	Family live and sleep in same room.
26th	39	Woodstock .....	Child--Fever.....	Another child ill of same disease, and family live and sleep in same room.
Nov. 2nd	30	Peter's Lane .....	Do. do. ...	Family live and sleep in same room.
"	7 in 9 Court	Raymond .. ..	Man do. ...	Family live and sleep in same room; preparations for a wake.
17th	9 in 9 Court	Gore .....	Do. do. ...	Ditto ditto
Dec. 5th	12	Gordon .....	Boy do. ...	Another child ill of same disease, and family live and sleep in same room.
6th	12	Gordon .....	Do. do. ...	Family live and sleep in same room.
7th	17	Harding .....	Woman do. ...	Ditto ditto
12th	25 in 5 Court	Prussia .....	Man do. ...	Ditto ditto
19th	13	Cavendish .....	Woman .....	The disease not infectious, but body offensive; father and three children live and sleep in same room.
30th	1	Kilin .....	Woman--Fever.....	Two cases of fever in the house.
"	8	Lower Myrtle.....	Child .....	The disease not infectious, but body offensive; family live and sleep in same room.

In all cases of compulsory removal of the dead, a copy of the Magistrate's order is sent to the Relieving Officer of the district.

Though considerable discontent was manifested by the relatives of the deceased in many cases of the summary removal to the Mortuaries, there were only two instances (at No. 2 Epsom Street, and No. 6 in No. 14 Court St. Andrew-street) where threats were used and active resistance made to the proceedings of the Inspectors. I think therefore we may conclude that during the prevalence of a fatal epidemic, and when the fears of the public have been aroused, it will always be possible to carry into effect the compulsory power of the 27th Section of the Health Act, 1866. But the experience of periods of danger and of panic will in no respect apply to ordinary years, nor will it justify the hope that a system of compulsory removal of the dead from non-infectious disease can be easily established, and the demoralising orgies of the wake thereby prevented. There will require a more potent engine than mere sanitary supervision to effect so desirable a moral and social reform, and in order to render any reform practicable and permanent we must ensure the willing co-operation of the people themselves. However degrading the practice of Irish wakes may be, the motives which influence the chief actors of the scene are not always licentious; sometimes a wake is meant as a mark of respect and honour to the dead, and not merely a debauch for the living; sometimes it is unwillingly held because of a cowardly fear of the prejudices of the society around, very much on the same principle as families are impoverished in better classes by expensive funerals to satisfy the criticisms of neighbours. If some families could be encouraged to see that a more honourable mode of manifesting respect to their dead was to be found, in at once removing the corpse in a decently furnished coffin to a mortuary chapel, and there sanctifying their own love and grief by the holy influence of prayer and religious ritual, a great reform would be inaugurated, which would spread gradually but widely amongst the people.

The Mortuary Chapel in Collingwood Street, the foundation-stone of which was laid by the Most Rev. Dr. Goss, the Roman Catholic Bishop of Liverpool, has at length been completed; and now, with the certainty that everything which religious zeal and high personal influence can accomplish will be done by the Catholic priesthood to ensure the success of so great an experiment, we may be allowed to indulge a confident expectation that the reform of a wild and brutalizing burial custom, such as is the wake of the dead, is not far distant.

## REMOVAL OF THE SICK TO HOSPITAL.

By the 26th section of the Public Health Act, 1866, it is enacted that "where a hospital or place for the reception of the sick is provided within the district of a nuisance authority, any justice may, with the consent of the superintending body of such hospital or place, by order on a certificate signed by a legally qualified medical practitioner, direct the removal to such hospital or place for the reception of the sick, at the cost of the nuisance authority, of any person suffering from any dangerous, contagious, or infectious disorder, being without proper lodging or accommodation, or lodged in a room occupied by more than one family, or being on board any ship or vessel.

The Council of the Borough are not provided with any hospital for the reception of cases of infectious disease, nor could they, without vast expense, and manifest waste of public funds, extemporize hospitals to meet the wants and requirements of a large population. Nor did the experience of even the severest epidemics, such as that of typhus in 1865, cholera in 1866, relapsing fever in 1870, and small pox in 1871, show any necessity for supplementing the action of the Select Vestry and Boards of Guardians by any municipal interference in the management of the sick. It is, indeed, very questionable whether there should, under any circumstances, be within any one district more than one Board authorised to levy rates and provide gratuitous accommodation for the sick; or whether a Municipal Authority should interfere even indirectly with the action of the Parochial Boards, and undertake responsibilities which are foreign to their usual duties. There may be, and there no doubt are, very many cases of infectious disease among classes of the population above the rank of paupers which should, for the sake of individual and public safety, be removed to hospital, and, when there, be maintained gratuitously, and that without any stigma on the respectability and self-respect of the patients. It is held by many that Workhouse Hospitals do not and cannot meet the wants of such cases, and that it is unjust to pauperise a man and his family because of unavoidable sickness. This is to my mind a proposition most incontestable. It forms the strongest plea for the erection of hospitals, separate and apart from those maintained by the Poor-law Guardians; and such hospitals should be erected by the Nuisance Authority, if, when established at the cost of the public rates, they could be kept for the use of members of the general community not being paupers. It would, however, I believe, be practically impossible by any rules or bye-laws so to separate the pauper from the industrious population as to prevent such institutions becoming rivals of, or mere substitutes for, Workhouse Hospitals. In theory, every citizen having the necessary passport of sickness would have a right to avail himself of the accommodation of a hospital built by the public rates; and any attempt of a Board of Directors to interfere

with the practical carrying out of that abstract equality of right would lead to contentions which would inevitably assume the worst aspects of political, social, and religious jealousies and animosities. The Council of Liverpool have not essayed to establish separate hospitals to be maintained by the rates; but, acting on the same principle which has hitherto guided their assistance to the medical charities, they voted £5,000 towards the erection of a hospital for infectious diseases in Everton, which had been originated by private enterprise, and is to be supported by voluntary subscriptions, and by a moderate scale of payment by the patients themselves. A private hospital thus assisted with public funds seems to me to be the best mode of carrying out the 26th Section of the Act of 1866, because the Municipal Authority could agree to pay for patients not being paupers whose removal to hospital was necessary for the public safety.

In ordinary years where only those cases of infectious disease which are found on shipboard, or occur in registered lodging-houses, or happen among foreign emigrants have to be provided for, there has hitherto been no difficulty, because the liberal kindness of the Select Vestry allows both seamen and lodgers to be received into their hospitals free of cost, and they have made arrangements with the owners of the large packet vessels engaged in the emigrant trade for the reception and maintenance of sick emigrants during their stay in Liverpool.

It may be a question worthy of consideration whether, when whole parishes or unions, or the greater part thereof, are situated within one municipal district, some arrangement for combined action, for the supply of hospitals and for the care of the sick, should not be made compulsory, and a joint Board for the purpose of combined action be established for the whole borough, as is now done in respect of the Metropolitan Asylum Board for London. Many good results would follow such an arrangement. The rates for the maintenance of the sick would be equalized over a larger district; there would be more economy and greater efficiency in management, and none of that unwise penuriousness and jealousy of the incidence of poor rates, which is said sometimes to influence rival Boards of Guardians. One, and that certainly not the least, of the benefits of such an arrangement would also be the facility with which a United Board could establish hospitals within or near to the districts which they were meant to supply. At present the nearness of a hospital to the sick can only be an accident dependent on the size of the district over which the jurisdiction of the Guardians extends. During such epidemics as those of typhus, cholera and small pox, the distance of hospitals from the residence of the sick is a fatal drawback to their usefulness. Under divided government of several Boards some peculiar anomalies are unavoidable. The sick are carried past the hospital belonging to one Authority to the hospital of another Authority at a greater distance; thus, the sick from Derby Road, Kirkdale, are carried to Mill Road, Everton, under the jurisdiction

of the West Derby Guardians, although the Kirkdale Hospital belonging to the Select Vestry is much nearer to their places of residence. Again, patients from opposite houses in the same street are carried to different hospitals, and that without any reference to the nature of their diseases or the proximity or distance of their places of residence. Thus, in Parliament Street, the houses on the south side, with even numbers, from 2 to 98, are under the jurisdiction of the Toxteth Guardians, and their sick when removed are carried to Smithdown Road Hospital, a distance of two miles; while the houses with odd numbers, from 1 to 75, and situated on the north side of the street, belong to the parish district, and their sick are removed to Brownlow Hill Workhouse, or to the Kirkdale Hospital, a distance of three miles. A Joint Board, consisting of members elected by the Council and by each Board of Guardians, would be able to systematise the work so as to prevent these anomalies. They would be able to establish numerous small hospitals conveniently placed for the reception of the sick, and they would be able to purchase and enclose open spaces for the erection of temporary hospitals during the prevalence of an epidemic sickness.

The hospitals for the sick of infectious disease belonging to the parish, and to the Guardians of Toxteth and West Derby, and available during the epidemic of Small Pox, were as follows: the permanent Parish Workhouse Hospital in Brownlow Hill, containing 160 beds in eight wards: the temporary hospitals at Kirkdale, Ashfield Street, and West Derby Road, belonging to, and also under the direction and management of the Select Vestry of the Parish, and capable of containing 950 beds:—the Union Hospital in Mill Road, belonging to the Guardians of West Derby, and having a permanent accommodation of 155 beds in six wards;—the Workhouse Hospital in Smithdown Road, belonging to the Toxteth Board, having a permanent accommodation of 60 beds in six wards, and a temporary accommodation for 133 beds in wooden annexes to the several wards. There was likewise a private hospital in Netherfield Road, assisted by private subscription, but managed to a great extent upon the self-supporting principle, containing 30 beds in ten rooms.

The Council having obtained the consent of the Parochial Boards, necessary to justify the orders of the Justices for the removal of the sick, directed their officers to assist in enforcing as far as possible the compulsory removal of patients in all cases recommended by the medical attendants. The work which was able to be done in this way, was not very great: 1stly, because the Relieving Officers were generally able to persuade the patients to go willingly to hospital: 2ndly, because where there had been unwillingness or refusal on the part of the patient or his friends, there had been such consequent delay as to render it dangerous to insist on removal. The health officers however obtained Magistrates' warrants and were able to remove 64 cases, of whom 18 were men, 13 women, and 33 young persons and children.

## DISINFECTION.

The care and maintenance of the sick poor belong solely to the Parochial Boards, but in all cases of infectious disease, the Council undertook by means of their own Officers the charge of superintending the disinfection of houses, clothing, bedding, &c., and the duty of enforcing upon the owners of property the provisions of the 123rd Section of the Liverpool Sanitary Act, 1846. This was done as far as possible with systematic regularity. The Parochial Boards through their Clerks sent periodically (in the case of the Parish, daily) lists of the cases of infectious sickness removed to Hospital, or treated at the patients own residences. These lists were largely supplemented by other lists or references from private individuals, medical men, nurses, and nuisance inspectors. The Town was divided by the Medical Officer of Health into four districts. To each of three of these districts was apportioned an Inspector and a man to assist him in dragging a hand-cart, containing Sulphur and Carbolic Acid Powder—the articles used for disinfection—paper, paste and brush—necessary for the closing of windows, fire-places and doors,—and iron pipkins for the burning of the sulphur and the formation of sulphurous gas. The Inspector of the fourth district which was large and included a considerable portion of the Out-townships was supplied with a horse and cart instead of a hand-cart. At the height of the Small Pox epidemic it became necessary to add for a short time to these Inspectors, a fifth or pilot Inspector, whose duty it was to go quickly round to all cases of sickness treated at the patients houses, and to report as to those in which disinfection by sulphur would be possible. In all cases he sprinkled carbolic acid powder on the floors of the rooms daily, until recovery, removal, or death of the patients admitted the use of the sulphur fumigation. Each Inspector was supplied every morning with a list of all cases of sickness within his district. He was required to enter into his book, 1stly, the number of the house and street visited by him during the day, 2ndly, the hour at which the visit was made, and 3rdly, the number of rooms disinfected, and how disinfected—whether with sulphur or carbolic acid powder. It was imperative upon him always to use the sulphur fumigation, except where there was sickness in the house, and therefore the use of carbolic acid powder had only one interpretation, namely, that the use of sulphur was deferred. The memoranda in each inspector's book were re-entered into folios arranged for the purpose. The entries so made regulated the frequency of subsequent disinfection with carbolic acid powder until sulphur could be used.

Upon the first receipt of lists of sickness, instructions were given to the Inspector of Nuisances to issue notices to owners under the 123rd Section of the Act of 1846, and instructions were likewise given to the Superintendent of the Disinfecting Vans, and Fever-cars to have the clothes and bedding of the patients removed at once to the disinfecting apparatus.

The disinfection of rooms with sulphur was so arranged that the work of closing up the fireplaces, fastening the rooms and windows, and lighting the sulphur was finished if possible by three o'clock. The Inspector then went back on his route, removed the extinguished pots of sulphur, opened the windows freely, and allowed the sulphurous gas to escape. This arrangement gave two hours at the least for the period of fumigation. When the rooms were large and their use could be dispensed with by the family, they were not disturbed for several hours, and even allowed to be continued closed during the whole night. When this however was the case, the duty of opening the windows was left to the tenant, or members of the family, and the Inspector merely satisfied himself that every thing was safe as regards the chances and risks of fire. Three cases of contagious disease occurred among the men employed in the disinfection of houses: one was a case of Small Pox, and two were cases of Fever; the case of Small Pox, and one of the cases of Fever proved fatal.

The number of visits paid to houses by the disinfecting inspectors amounted during the year to 20,881.

The staff connected with the working of the disinfecting apparatuses, and with the removal of clothing and bedding, consists of a superintendent of the disinfecting vans and fever-cars, whose duty it is to receive orders, and to arrange for their being at once carried out; a resident manager at each of the two disinfecting apparatuses; four vans with the necessary drivers and attendants; two for carrying infected clothing, and two for returning the clothes and other articles after disinfection. The heat of the stoves is kept up at a temperature varying from 200 to 212 Fhrt. The Ford Street apparatus is, as described in my Annual Report for 1866, heated by steam, while that at New Bird Street is heated by hot air. When the Ford Street apparatus was first used the steam was admitted into the casing of the stoves at 8lb. pressure, which was equal to produce a temperature exceeding 212 Fhrt. The result of that pressure was the breakage of several of the casing-plates, and the escape of steam. Since that time the pressure has been regulated by a Farron's patent equilibrium valve to 6lbs., which keeps up the temperature of the stoves at about 205 Fhrt. As the difficulty at Ford Street is that of regulating the steam-pressure so as to get with safety the required temperature, so the difficulty at New Bird Street is to prevent excessive heat by the hot air. This is managed by means of a damper at the entrance of the cold air flue, and by a brass-screw valve in the door of each stove. Our experience at New Bird Street shows that any temperature in excess of 212 Fhrt. is apt to injure clothing if they come into direct contact with the metal casing of the stove. The period during which articles are kept in the stoves varies from six to eight hours, according to their size.

The number of articles disinfected during the year was, as will be seen by the following table, 118,421 :—

### THE DISINFECTING APPARATUS.

DATE 1871.	NUMBER OF ARTICLES DISINFECTED IN THE APPARATUS.		DATE 1871.	NUMBER OF ARTICLES DISINFECTED IN THE APPARATUS.	
	Ford Street.	New Bird Street.		Ford Street.	New Bird Street.
Week ending			Week ending		
January ..... 5	2543	1190	July ..... 6	1074	995
.....12	1599	990	.....13	890	704
.....19	1929	929	.....20	1425	1577
.....26	1887	1274	.....27	795	705
February ..... 2	2011	1537	August ..... 3	895	657
..... 9	1995	1503	.....10	695	449
.....16	2308	1273	.....17	223	1066
.....23	2484	1922	.....24	718	344
March ..... 2	3100	1807	.....31	676	293
..... 9	2011	2212	September..... 7	294	462
.....16	1930	1582	.....14	669	501
.....23	1131	1162	.....21	297	839
.....30	1782	1276	.....28	678	637
Total for } Quarter. }	26710	18657	Total for } Quarter. }	9329	9229
April ..... 6	2361	2252	October ..... 5	679	529
.....13	1185	1422	.....12	548	624
.....20	2074	2141	.....19	571	740
.....27	1639	1344	.....26	798	630
May ..... 4	1875	1443	November..... 2	669	1093
.....11	1555	1941	..... 9	475	759
.....18	1871	1431	.....16	901	437
.....25	1789	1126	.....23	891	609
June ..... 1	1369	1781	.....30	540	551
..... 8	1110	1256	December ..... 7	445	467
.....15	1240	1313	.....14	311	535
.....22	558	1288	.....21	312	606
.....29	1318	733	.....28	128	183
Total for } Quarter. }	19994	19471	Total for } Quarter. }	7268	7763

### DESTRUCTION OF INFECTED CLOTHING.

The Parochial Boards and Health Committee of the Council instructed their Officers to purchase and destroy all articles of clothing and bedding belonging to Small Pox patients, which in their opinion were, or would be, unfit for use, even after disinfection. In order to afford the Relieving and other Officers every facility for safely carrying these orders into effect, a special furnace was erected in the yard of the Disinfecting Apparatus, in New Bird Street, where, as will be seen by the following table, a total of 3,157 articles were destroyed between the 9th November, 1870, and 31st December, 1871.

By whom the orders for destruction were signed.	Beds.	Mattresses.	Wearing Apparel.	Bed Linen.	Pillows and Bolsters.	Miscellaneous.	Total.
Owners and others (without compensation) .....	54	125	86	40	39	123	467
Compensation made by the Corporation .....	187	419	42	194	225	907	1974
Ditto by Parish of Liverpool .....	45	82	104	46	55	298	630
Ditto by Toxteth Park .....	2	13	14	2	9	4	44
Ditto by West Derby Union .....	5	11	6	...	...	20	42
Total.....	293	650	252	282	328	1352	3157

### WASHHOUSES FOR INFECTED CLOTHES.

Washhouses and hot air drying rooms are attached to the Disinfecting Apparatuses, but it was found extremely difficult so to utilise these places as to afford to the poorer sections of the community, the necessary facilities for washing their clothes after disinfection. The Health Committee therefore determined to erect two distinct and separate washhouses;—one at Burlington Street, near the Ford Street apparatus, and another near to the apparatus in New Bird Street, and in order to induce poor people to avail themselves of these establishments, the Committee further agreed to supply gratuitously the necessary soap and soda. There is no doubt that these washhouses did a great deal of good; but at the same time it must be frankly admitted that the percentage of the families of the sick who availed themselves of their advantages was exceedingly small. This is the more remarkable as the public washhouses in Paul Street and Upper Frederick Street, where a small charge is made for the use of *tubs and hot water*, are always crowded.

Return of work done at the washhouse Burlington Street, (opened March 15th, 1871,) and at the washhouse, New Bird Street, (opened April 3rd, 1871.)

	Washers.	Soap used.	Soda used.
Burlington Street .....	455	1001 lbs.	421 lbs.
New Bird ,, .....	333	473½ ,,	271½ ,,
Total .....	788	1474½ lbs.	692½ lbs.

## THE LIVERPOOL SANITARY AMENDMENT ACT, 1864.

The power of the Corporation for the compulsory purchase of land under the provisions of the Sanitary Act 1864, having lapsed, there was necessarily a postponement of the Medical Officer's reports to the Grand Jury, until the power was renewed by the Liverpool Improvement Act 1871. This Act received the Royal Assent on 31st July, and the report upon which was grounded the fifth presentment, was forwarded to the Town Clerk, and to the Clerk of the Peace, on 7th September. The presentment ordered the destruction of 85 houses.

**BOSTOCK STREET :** the courts of this street were constructed out of the yards of front houses, and because of the narrow and confined area upon which they were built, and the want of ventilation, became the seats of epidemic contagious disease. The destruction of 17 of the houses of these courts which both by reason of position and condition were unfit for human habitation, will restore the street to its original plan of construction, and give a continuous and thorough ventilation at the rear of all the houses.

**NAYLOR STREET :** each court of Naylor Street, contains on an average 12 houses. The entrances of the courts are narrowed by the front houses ; they are close and long, and have at their ends a line of stables which shuts out thorough ventilation. The removal of 12 houses, will permit a free current of air through the whole line of courts. The Grand Jury also presented for demolition two front houses of this street, so as to open the entrance and admit ventilation to courts in Gladstone Street. This will complete the district improvement ordered by the Grand Jury in 1865.

**NORTH STREET :** the demolition of 9 houses in the very narrow and confined courts in North Street was ordered by the Grand Jury, because by reason of their position and condition, they were dangerous to health.

**MANN STREET No. 7, Court :** the two houses Nos. 5, and 13, had become notable by reason of the persistent continuance of Fever. They are small cottages, built in the yards originally belonging to two other houses of the court, and were ordered for demolition, because by reason of their position, condition, and want of ventilation, they were dangerous to the health of the inhabitants.

**FORD STREET :** the demolition of 24 houses in this very crowded and sickly district opens to thorough ventilation, 21 of the courts of Ford Street, and Gildart's Gardens, containing 136 houses.

**MAGUIRE STREET :** the 8 houses ordered for demolition in this Street, were by reason of their position and condition, unfit for human habitation ; their removal will benefit 11 courts and 42 houses.

**ARLEY STREET :** the demolition of 11 houses, gives a free circulation of air to 10 courts in Arley and Maguire Streets. This improvement opens up two of the worst of those Courts, which are locally termed honey-comb courts, on account of their almost cellular arrangements.

# UNWHOLESOME MEAT AND FISH CONDEMNED AND DESTROYED DURING 1871.

		Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry.	Rabbits.	Fish.	Shell Fish.	Oysters.	Game.
		* Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head	Head	Lbs.	Bags.	Number	Lbs.
SLAUGHTER HOUSES.	Abattoir .....	37394	3306	10575	219	6173	...	...	...	...	...	...
	Arley Street .....	7081	...	...	...	126	...	...	24	...	...	...
	Bevington Hill .....	38235	10359	658	...	476	...	...	...	...	...	...
	Bolton Street .....	536	66	...	...	...	...	...	...	...	...	...
	Brownlow Hill .....	320	142	...	...	...	...	...	145	...	...	...
	Finch Place .....	...	...	314	...	...	...	...	...	...	...	...
	Foley Street .....	500	...	...	...	...	...	...	...	...	...	...
	Gelling Street .....	11147	460	...	...	...	...	...	...	...	...	...
	Hood Street .....	340	805	...	...	...	...	...	...	...	...	...
	Leeds Street .....	...	...	...	32	...	...	...	...	...	...	...
	Lower Milk Street .....	...	...	...	...	784	...	...	...	...	...	...
	Parliament Street .....	1167	268	116	...	...	...	...	...	...	...	...
	Plumbe Street .....	...	...	...	...	920	...	...	...	...	...	...
	Price Street .....	...	...	36	...	...	...	...	...	...	...	...
	Scotland Road .....	5934	9196	...	...	89	...	...	3529	...	...	...
	Silver Street .....	...	70	...	...	...	...	...	...	...	...	...
	Stanley Road .....	2743	100	236	...	645	...	...	...	...	...	...
St. James's Street .....	48	...	29	...	...	...	...	...	...	...	...	
Upper Milk Street .....	396	..	...	...	604	...	...	...	...	...	...	
MARKETS.	Cleveland Sq. Market..	...	...	...	...	...	...	...	588	...	...	...
	Gill Street Market .....	...	...	...	...	2651	...	...	...	...	...	...
	St. James's Market ..	683	202	226	...	1290	...	12	...	...	...	...
	St. John's Market .....	1935	522	287	...	...	137	1704	281589	145	28340	268
	St. Martin's Market ...	400	98	110	77	...	...	...	651	...	...	...
OTHER PARTS.	Brunswick Road .....	...	...	...	...	...	...	...	299	...	...	...
	Clarence Dock .....	...	...	...	...	...	...	...	8508	...	...	...
	Coburg Dock .....	...	...	...	...	...	...	...	168	...	...	...
	Cumberland Street .....	...	...	...	...	246	...	...	...	...	...	...
	Dale Street .....	...	...	...	...	84	...	...	...	...	...	...
	Duncan Street .....	...	...	166	...	...	...	...	...	...	...	...
	Gascoyne Street .....	...	...	...	...	...	...	...	156	...	...	...
	George's Dock .....	...	...	...	...	...	...	...	1288	1	...	...
	Great Charlotte Street ..	...	...	...	...	...	...	...	21663	...	...	...
	Great Homer Street ...	...	...	...	...	...	...	...	341	...	...	...
	Great Howard Street ...	...	...	...	...	...	...	...	9968	...	...	...
	Gt. Western Railway ..	...	...	...	...	70	...	...	...	...	...	...
	Hill Street .....	425	...	...	...	...	...	...	...	...	...	...
	King's Dock .....	...	...	...	...	360	...	...	1075	...	...	...
	Lime Street Railway ...	336	...	...	...	...	...	81	12730	10	...	...
	London Road .....	493	...	...	...	...	...	...	248	...	...	...
	Love Lane .....	...	...	...	...	660	...	...	...	...	...	...
	Manesty's Lane .....	...	...	...	...	...	...	...	8028	...	...	...
	Midghall Street .....	...	...	...	...	...	...	...	2102	...	...	...
	Milk Street .....	...	...	...	...	166	...	...	...	...	...	...
	Mill Street .....	420	...	...	...	20	...	...	...	...	...	...
Northumberland Street ..	775	...	...	...	...	...	...	...	...	...	...	
Paddington .....	...	...	...	...	...	...	...	112	...	...	...	
Pitt Street .....	...	...	...	...	...	...	...	2464	...	...	...	
Carried forward .....		111308	25594	12753	328	15364	137	1797	355676	156	28340	268

UNWHOLESOME MEAT AND FISH.—*Continued.*

	Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry.	Rabbits	Fish.	Shell Fish.	Oysters.	Game.
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head	Head	Lbs.	Bags.	Number	Lbs.
OTHER PARTS.											
Brought forward....	111308	25594	12753	328	15364	137	1797	355676	156	28340	268
Prince's Dock.....	...	77	...	...	...	...	...	...	...	...	...
Rainford Gardens .....	...	...	...	...	336	...	...	...	...	...	...
Richmond Row .....	...	...	...	...	...	...	...	69	...	...	...
Roe Street .....	...	...	...	...	...	...	...	389	...	...	...
Rose Street .....	...	...	...	...	...	...	...	22995	4	9549	...
Sawney Pope Street... ..	...	...	...	...	...	...	...	1838	...	...	...
Soho .....	...	...	...	46	...	...	...	...	...	...	...
Temple Court.....	...	...	...	...	494	...	...	...	...	...	...
Wavertree Road.....	...	...	...	...	149	...	...	...	...	...	...
Whitechapel .....	...	...	58	...	...	...	...	...	...	...	...
Vauxhall Road .....	84	...	...	...	...	...	...	358	...	...	...
Total.....	111392	25671	12811	374	16343	137	1797	381325	160	37889	268

Number of Informations for Exposing Diseased Meat, &c., for Sale..... 22

„ Fined ..... 14

„ Sent to Gaol..... 3

Amount of Fines ..... £45 17 6

# SLAUGHTER-HOUSE RETURNS OF CATTLE KILLED IN THE BOROUGH, 1871.

SLAUGHTER HOUSES.		Beasts.	Sheep.	Lambs.	Calves.	Pigs.	Goats.
Public Abattoir.....		25632	167562	...	10692	19672	...
NEW PARTS.	Back Castle Street.....	150	682	167	...	27	...
	Back Empire Street .....	199	735	413	2	...	...
	Browside.....	292	1044	335	...	...	...
	Byles Street.....	379	2123	541	...	...	...
	Castle Street .....	867	2426	833	...	23	...
	Cotter Street .....	22	169	...	...	1469	...
	Corlett Street.....	468	2840	903	4	74	...
	Crown Street .....	435	2272	742	9	9	...
	Darnley Street.....	...	...	...	...	2131	...
	Embledon Street.....	493	2550	697	...	163	...
	Gelling Street .....	933	1348	812	190	30	...
	Grinfield Street.....	53	402	84	31	28	...
	Head Street (1) .....	198	1001	428	...	...	...
	Head Street (2) .....	...	...	...	...	2376	...
	Knight Street.....	177	872	178	...	...	...
	Parliament Street .....	587	3058	1059	39	1455	...
	Peel Street .....	147	913	320	9	2	...
	Railway Arches.....	1189	1430	...	...	...	...
	Sandhills .....	25	3272	...	...	...	...
	Mount Vernon Green.....	60	471	...	...	...	...
OLD PARTS.	Arley Street.....	637	698	...	...	1592	...
	Bachelor Street .....	229	1454	323	113	2	...
	Back Commutation Row (1) .....	472	2900	523	1	...	...
	" " (2) .....	520	2484	439	2	...	...
	Bayhorse Lane .....	160	1300	405	39	...	...
	Benledi Street.....	818	1968	560	...	...	...
	Bevington Hill .....	2173	1932	...	1241	...	...
	Bolton Street.....	1072	1966	981	290	1	...
	Brownlow Hill .....	61	341	105	...	...	...
	Byrom Street.....	...	...	...	...	1011	...
	Duke Street Lane .....	97	204	17	1	3	...
	Finch Place.....	601	2160	556	34	...	1
	Frederick Street.....	151	1409	410	10	45	...
	Hodson Street.....	438	1586	316	...	...	...
	Hood Street.....	1612	4363	2218	507	...	...
	Lawton Street.....	262	1117	277	65	...	...
	Leeds Street .....	...	...	...	...	892	...
	Lower Milk Street.....	...	...	...	...	2634	...
	Lydia Ann Street .....	129	251	188	...	10	...
	Norfolk Street.....	1655	2205	453	7	...	...
	Norman Street .....	...	...	...	...	864	...
	Plumbe Street.....	...	...	...	...	2606	...
	Price Street.....	470	1523	306	...	1	...
	Scotland Road.....	804	1604	...	1007	...	...
	Silver Street .....	976	2080	676	19	...	...
	Stanley Road .....	1135	2627	948	3	2343	...
	St. James Street.....	417	1135	199	...	6	...
	Upper Milk Street .....	1364	2837	350	...	3853	...
Total in Private Slaughter-houses.....		22927	67752	17765	3623	23650	1
Total in Borough.....		48559	235314	17765	14315	43322	1

## SMOTHERED CATTLE.

Beasts.	Sheep.	Pigs.	Number found good.	Number found bad.	Weight of Bad in pounds.
12	47	174	126½	106½	27650

## SHIPPON AND PIGGERY INSPECTIONS.

Number of Shippons and Piggeries inspected ...	...	...	...	...	...	362
„ Informations ...	...	...	...	...	...	59
„ fined ...	...	...	...	...	...	51
Amount of fines ...	...	...	...	...	£22 9 6	

## NUISANCES.

Nuisances inspected, complained of by Inhabitants...	...	...	...	...	1,988
„ Reported by District Officers	...	...	...	...	29,872
„ Notices issued...	...	...	...	...	20,245
„ Informations ...	...	...	...	...	472
Number fined ...	...	...	...	...	126
Magistrate's Orders to abate ...	...	...	...	...	101
Number withdrawn and acquitted ...	...	...	...	...	245
Amount of fines ...	...	...	...	...	£70 0 10

## HOUSE TO HOUSE VISITATION.

Number of Streets examined ...	...	...	...	...	2,740
„ „ houses examined ...	...	...	...	...	47,149
„ „ „ found clean ...	...	...	...	...	41,992
„ „ „ „ dirty ...	...	...	...	...	5,157
Apartments in Street-houses examined...	...	...	...	...	178,099
Number of Courts examined ...	...	...	...	...	5,502
„ „ houses examined ...	...	...	...	...	30,396
„ „ „ found clean ...	...	...	...	...	25,839
„ „ „ „ dirty ...	...	...	...	...	4,557
Apartments in Court-houses examined...	...	...	...	...	90,971
Re-inspection of dirty houses ...	...	...	...	...	36,201
Total number of houses examined ...	...	...	...	...	113,746

## CELLAR EXAMINATION.

Number of Streets in which cellars have been inspected ...	...	...	...	...	2,044
„ Cellars examined ...	...	...	...	...	23,445
„ „ „ exempt from operation of the Act...	...	...	...	...	3,835
„ „ „ found empty ...	...	...	...	...	8,135
„ „ „ occupied with beds ...	...	...	...	...	917
„ „ „ „ without beds ...	...	...	...	...	10,558
„ Courts in which Cellars have been inspected ...	...	...	...	...	2,847
„ Court Cellars examined ...	...	...	...	...	12,325
„ „ found empty ...	...	...	...	...	6,604
„ „ occupied with beds ...	...	...	...	...	268
„ „ occupied without beds ...	...	...	...	...	5,453
Number of Cellar Notices ...	...	...	...	...	1,041
„ „ Informations ...	...	...	...	...	220
„ „ Fined ...	...	...	...	...	192
„ „ Acquitted and withdrawn ...	...	...	...	...	24
„ „ Orders obtained to close ...	...	...	...	...	4
Amount of fines ...	...	...	...	...	£23 12 6



DURING THE YEAR ENDING SATURDAY, DECEMBER 30, 1871.

Name \_\_\_\_\_  
Page no. \_\_\_\_\_

TABLE 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100