

[Report 1890] / Medical Officer of Health, Liverpool City.

Contributors

Liverpool (England). City Council.

Publication/Creation

1890

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*With the
Medical Officer of Health's Compliments.*

HEALTH OF LIVERPOOL,

DURING THE YEAR 1890,

WITH MAP, SHOWING THE LOCALITIES OF THE FATAL
PREVALENCE OF FEVER.

BY J. STOPFORD TAYLOR, M.D.,

MEDICAL OFFICER OF HEALTH FOR THE CITY AND PORT.



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.

1891.

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REPORT, 1890.



THE estimated population for the year, calculated on the rate of increase between 1871 and 1881, was 613,463, and is probably slightly in excess of the actual number; not that there is any falling off in the natural increase of the people, but, owing to the want of sufficient accommodation within the city, they have removed into the suburbs beyond the boundary, which, though under the control of Local Boards are part and parcel of Liverpool, and are not included in this Report.

The area of the City and County of Liverpool contains 5,210 acres, with a density of population of 117·7 per acre, but deducting the 733 acres occupied by the docks and quays, which include the entire river frontage, the density would be 137 per acre. This density cannot possibly be increased, as there is now very little land in the city uncovered by buildings, and the natural outgrowth of the population is into the suburbs.

The total number of deaths for the year terminating January 3rd, 1891, consisting of 53 weeks, was 14,687 or 23·6 per 1,000 of the population, and the number of births for the same period was 17,972, or 28·8 per 1,000.

It is usual, for the purpose of comparison, to take the first fifty-two weeks as constituting the year, thus enabling us to compare and prepare averages for a series of years composed of the same number of weeks.

The number of deaths and rate per 1,000 for the year of fifty-two weeks were in—

	Deaths.	
First quarter	4,031,	equal to 26·3 per 1,000.
Second „	3,283,	„ 21·4 „
Third „	3,401,	„ 22·2 „
Fourth „	3,578,	„ 23·3 „
	<u>14,293,</u>	<u>„ 23·3 „</u>

The rate for 1890 was 1·8 higher than the previous year, and 1·2 less than the average rate for the last ten years (1880 to 1889), and 5·6 less than the average of the previous ten years (1870 to 1879).

The total number of deaths (14,293) including 225 of persons whose residences were outside the City, was 1,246 more than in 1889. This increased mortality was not due to any local cause, but was attributable to an influence operating over the whole country, which probably had its origin in the introduction of Influenza into London in December, 1889. The course of the Influenza epidemic was from east to west, beginning in Russia about the end of October; it appeared in Germany and France in November, and in London in December. Whether the disease was carried by the wind, which in some instances appeared to have favoured its spread, or by human intercourse, promoted by the migration from east to west, has been much discussed; but the most frequent exciting cause was contact either with the sick or articles used by them, and the disease once imported spread rapidly amongst people residing near the affected. In some cities, as in London, Paris, Berlin, &c., the epidemic affected large portions of the population, and the mortality was very great. Liverpool was fortunate in escaping an epidemic outbreak, for many cases were imported from London, and there was no diffusion of the disease, though, doubtless, there was a morbid influence in operation, which rendered diseases of the lungs more fatal; yet there was not that contagiousness about it which marked the disease in London and other large cities, only eight deaths being certified as directly due to the disease. There is every reason to believe that Influenza, like Measles, has a specific organism as its cause, and requires a special soil for its growth, without which it cannot exist. Why Liverpool, with its dense population, should have escaped so lightly and other cities suffered so severely, is not easy to determine, for in previous visitations we have suffered severely, and its effects were felt in a long-continued high death rate. The appended table gives the number of total deaths, deaths from lung diseases and Phthisis, and the mean temperature of the weeks during which the influence of Influenza was operating, though it must be acknowledged that the number of total deaths and deaths from lung diseases are not greater than we have had in many cold seasons. The increased prevalence of Measles in the first part of the year, and an epidemic of Scarlatina during six months, contributed towards the higher death rate.

Week ending.			Deaths from all causes.	Deaths from Lung Diseases.	Deaths from Phthisis.	Mean Temperature.
December	7th,	1889...	267	85	21	35·1
„	14th	„	295	105	18	40·6
„	21st	„	321	113	30	45·3
„	28th	„	310	86	33	41·4
January	4th,	1890...	323	99	27	35·8
„	11th	„	291	88	24	47·6
„	18th	„	296	86	17	46·7
„	25th	„	270	85	14	41·3
February	1st	„	268	75	29	42·7
„	8th	„	320	108	23	38·6
„	15th	„	365	114	44	34·7
„	22nd	„	355	149	29	39·7
March	1st	„	347	134	29	36·7
„	8th	„	355	139	36	39·1
„	15th	„	306	94	22	48·3
„	22nd	„	273	95	22	43·2
„	29th	„	262	65	17	47·4
April	5th	„	283	73	26	45·5
„	12th	„	252	66	29	43·0
„	19th	„	280	76	26	44·7
„	26th	„	258	57	26	48·4

THE INFECTIOUS DISEASE (NOTIFICATION) ACT, 1889.

The above Act was adopted by the Corporation, and came into operation on 1st September. Previous to that date the Medical Officer had been in communication with the Medical Institution, as representing the profession, and to obviate any difficulties that might arise, the following form of notification was decided upon, to which is appended a supplementary and optional form. By filling up the supplementary form the Medical Attendant secures his patients from the annoyance arising from the visits of the Sanitary Inspectors, unless requested, and enables the Inspectors to devote more time to other duties.

The date for notifying had been deferred, unfortunately, until an outbreak of Scarlatina, which commenced in June, had spread and assumed an epidemic character; and this was further complicated by the insufficient hospital accommodation then provided. The value of notification was well illustrated by the positive knowledge conveyed of the existence of disease, after the Act had come into operation, when compared with the limited information previously obtained, and all the fears of innumerable troubles and disasters which were to follow its adoption vanished into the thin air, and are now never heard of.

The total number of infectious cases brought under the notice of the Medical Officer from the 1st of January to the 31st August was 1,914, or an average of 239 per month. The number of notifications received by the Medical Officer during

September, was	...	...	865
October	...	...	771
November	...	...	620
December	...	...	432
Total	...	...	<u>2,688</u>

The diseases were specified as follows:—

1,975	Scarlet Fever.
251	Enteric Fever.
39	Typhus Fever.
19	Continued Fever.
20	Fever.
5	Febricula.
15	Puerperal Fever.
79	Diphtheria.
10	Membranous Croup.
1	Choleraic Diarrhœa.
274	Erysipelas.
Total	... <u>2,688</u>

FORM OF NOTIFICATION.

No.

CITY OF LIVERPOOL.

THE INFECTIOUS DISEASE (NOTIFICATION) ACT, 1889.

TO THE MEDICAL OFFICER OF HEALTH FOR THE CITY OF LIVERPOOL.

I HEREBY CERTIFY AND DECLARE, that in my opinion

(a)

an inmate of (b)

is suffering from (c)

Dated the day of 189.....

(Signed)

Medical Practitioner.

State whether Private, Hospital, Dispensary, or Parish Patient?

(a) Name in full of Person suffering from Disease.

(b) No. or name of the house, and name of the street, road, or place where person is resident. In the case of a ship, boat, tent, van, shed, or other similar structure, the name or description of the dwelling, and the name of the place where it is situate should be given.

(c) Nature of Disease.

N.B.—This certificate must, under a penalty not exceeding forty shillings, be sent to the Medical Officer of Health forthwith on the Medical Practitioner attending on or called in to visit the Patient becoming aware that the Patient is suffering from an infectious disease to which the Act applies; namely, any of the following diseases:—Small pox, cholera, diphtheria, membranous croup, erysipelas, the disease known as scarlatina or scarlet fever, and the fevers known by any of the following names: typhus, typhoid, enteric, relapsing, continued or puerperal.

SUPPLEMENTARY AND OPTIONAL FORM.

Please state—

1. Whether the patient is properly isolated, or fit for removal to hospital?

2. The date for disinfection?

(Post Cards will be supplied for subsequent use in cases where the date cannot be fixed.)

3. The names of Children, if any, who attend school, and what school?

4. If any sanitary defect is supposed to exist?

5. If any other matter requires attention?

HOSPITALS.

The want of sufficient hospital accommodation was very much felt at the commencement of the epidemic of Scarlatina, for many patients were left at home, to be centres for the spread of disease, who ought to have been removed and isolated in hospital. When this fact became apparent to the Committee instructions were given for the erection of two more pavilions at Parkhill, capable of housing fifty patients, which, with some alterations in the other buildings, were sufficient to meet the pressing want, and afforded facilities for controlling the epidemic, which soon subsided on the more perfect isolation of the patients. The number of patients taken to hospital and the percentage mortality of the different diseases are set out in the appended tables.

CITY HOSPITAL NORTH, NETHERFIELD ROAD.

DISEASES.	Patients in Hospital on Dec. 31st, 1889.	Patients Admitted during 1890.	Patients Remaining in Hospital on Dec. 31st, 1890.	Total under Treatment in 1890.	Died during 1890.	Convalescent Patients Removed to Parkhill.	Mortality per cent. of Patients Admitted.
Scarlatina	30	393	41	423	56	145	14.22
Typhoid Fever	20	106	15	126	7	..	6.63
Typhus Fever	..	47	9	47	7	..	14.89
Diphtheria	..	4	..	4	4	..	..
Febricula	..	26	..	26	..	..	..
Pulmonary Diseases	..	35	..	35	7	..	20.
Measles	..	9	..	9	1	..	11.11
Other Diseases	..	42	..	42	8	..	19.04
Totals	50	662	65	712	90	145	13.59

CITY HOSPITAL SOUTH, GRAFTON STREET.

DISEASES.	Remaining 31st Dec., 1889.	Admitted during 1890.	Total under treatment during 1890.	Discharged during 1890.		Died during 1890.	Mortality per cent.	Remaining on 31st Dec., 1890.
				To Homes.	Transferred to Parkhill.			
Scarlet Fever	40	265	305	134	125	19	7.1	27
Typhoid Fever	14	95	109	86	—	12	12.6	11
Typhus Fever	—	33	33	25	—	7	21.2	1
*Other Diseases	—	75	75	55	—	20	26.6	—
Totals	54	468	522	300	125	58	12.4	39

* "Other Diseases" include 16 cases of Diphtheria, with 8 deaths.

PARKHILL HOSPITAL.

DISEASES.	Patients in Hospital on 31st December, 1889.	Patients admitted during 1890.			Total number of Patients treated during 1890.	Patients remaining in Hospital, 31st Dec., 1890.	Deaths and Mortality per cent. of transferred Patients.		Deaths and Mortality per cent. of Acute Cases.	
		From City Hospital North	From City Hospital South	Acute Cases.						
Scarlatina	24	98	125	299	546	97	1	·44	24	8·02
Typhoid Fever ..	—	—	—	—	—	—	—	—	—	—
Typhus Fever....	—	—	—	—	—	—	—	—	—	—
Small Pox	1	—	—	2	3	—	—	—	—	—
Other Diseases ..	—	—	—	19	19	—	—	—	—	—
Total	25	98	125	320	568	97	1	·44	24	7·5

Besides the above patients, the Select Vestry kindly allowed their hospital at Brownlow Hill to be used for cases of Measles, of which 143 were taken there.

ZYMOTIC DISEASE.

The deaths from Zymotic causes during the year were 2,459, being 96 more than in the previous year, and 171 below the average of the last ten years.

The increase was in the following :—

Diseases.	1889.	1890.	Increase.
Scarlatina	352	577	225
Measles	485	535	50
Whooping Cough ...	342	355	13
Diphtheria	57	104	47

There was a decrease in the following :—

Diseases.	1889.	1890.	Decrease.
Fever	212	123	89
Diarrhœa	575	468	107
Croup... ..	129	107	22

SMALLPOX.

There were only two cases of this disease reported during the year, and they were both imported by ships, and recovered. No inhabitant of the City suffered from it.

SCARLATINA.

This disease was the most prevalent and fatal of all the Zymotic diseases. It assumed an epidemic character in June, when 228 cases were reported, and reached its maximum in September, during which month 686 cases came under the notice of the Medical Officer.

The total number of persons suffering from Scarlatina was 3,520, of which 938 were removed to hospital. The number of deaths was 577, or 16·3 per cent. of the total cases reported, while of the 957 patients treated in the hospital, 100 died, or 10·4 per cent. The difference between 938 patients returned as having been removed to hospital, and 957 given as under treatment in hospital, arises from patients being sent from districts outside the City, and from patients being removed for some other supposed Zymotic disease, and subsequently developing Scarlatina.

MEASLES.

This disease was very prevalent, and fatal from being complicated with Pulmonary affections in the first six months of the year, in consequence of the prevailing low temperature and the want of proper care and attention to the young sufferers.

This great mortality of 535 infants would be very much lessened if hospital accommodation was provided for them, but at present the few patients who are removed are taken to the hospital of the Select Vestry in Brownlow Hill. In some towns Measles is one of the diseases notified and hospital provision made for it, and it is only a question of time when the same course will be adopted in Liverpool.

DIPHTHERIA.

The number of deaths from this disease was nearly double the number of the previous year, and the deaths (104) were nearly half of the total number of cases reported (212). The increased prevalence of this disease may be accounted for by the large number of children whose fauces had been rendered peculiarly adapted for the growth of the Diphtheritic Bacilli by the epidemics of Measles and Scarlatina. It is also possible that many cases which would formerly have been reported as Croup, are now returned as Diphtheria, and this view is strengthened by the decrease in the reported number of deaths from Croup, which were 46 below the average of the last ten years, and 71 lower than the average for the ten years 1870 to 1879.

FEVER.

In the returns made to the Registrar General all forms of Fever are arranged under one head, and include Typhus, Enteric or Typhoid, and Febricula. The total number of deaths reported (123) was the lowest number ever recorded in any one year, and was 160 below the average of the last ten years.

There were reported to the Medical Officer 690 cases of Fever, including 103 Typhus, 506 Typhoid, and 81 simple continued Fever.

87 Typhus patients, 296 Typhoid, and 63 simple were taken to hospital.

The total number of deaths registered was 123, inclusive of Typhus, 23 ; Typhoid, 99 ; Simple Continued, 1.

The following table illustrates the gradual decline of what was for years a standing reproach to the Municipal Government of Liverpool. Occasional outbreaks of Typhus amongst the most wretched portion of our population must be looked for, but the early removal of the sufferers to hospital, and disinfection of the houses and clothing, has the effect of entirely preventing its extension. With Typhoid there is greater difficulty, which is found to arise in many instances from the belief some persons entertain as to its non-contagious character. Granting that it is not contagious to the same degree as typhus, yet we do find case succeeding case which could have had no other origin than contagion.

1871.

Deaths from Typhoid	...	...	...	133
„ „ Typhus	...	...	...	568
Total Fever Deaths	...	...	...	<u>701</u>

1876.

Deaths from Typhoid	...	...	...	104
„ „ Typhus	...	...	...	294
Total Fever Deaths	...	...	...	<u>398</u>

1881.

Deaths from Typhoid	...	...	...	120
„ „ Typhus	...	...	...	172
Total Fever Deaths	...	...	...	<u>292</u>

1886.

Deaths from Typhoid	...	...	...	140
„ „ Typhus	...	...	...	58
Total Fever Deaths	...	...	...	<u>198</u>

1888.

Deaths from Typhoid	...	...	...	125
„ „ Typhus	...	...	...	36
Total Fever Deaths	...	...	...	<u>161</u>

1889.

Deaths from Typhoid	...	...	...	167
„ „ Typhus	...	...	...	45
Total Fever Deaths	...	...	...	<u>212</u>

1890.

Deaths from Typhoid	...	...	...	99
„ „ Typhus	...	...	...	23
„ „ Simple Continued	...	...	...	1
Total Fever Deaths	...	...	...	<u>123</u>

The following table shows the death rate per 1,000 of the population, and the number of deaths from Fever and Diarrhœa during the last twenty-five years:—

Year.	Death Rate per 1,000 of Population.	Deaths from Diarrhœa.	Deaths from Fever.	Deaths from Relapsing Fever.
1866	41·7	1,145	1,523	...
1867	29·4	796	656	...
1868	29·1	1,108	841	...
1869	28·9	1,001	783	...
1870	31·1	1,151	572	355
1871	35·1	1,127	701	207
1872	27·0	998	451	25
1873	25·8	906	335	...
1874	31·9	879	449	...
1875	27·5	842	490	...
1876	27·5	694	398	...
1877	26·4	605	382	...
1878	29·3	979	375	...
1879	26·9	402	248	...
1880	27·2	1,028	256	...
1881	26·6	508	292	...
1882	26·4	587	593	...
1883	26·6	518	540	...
1884	25·1	841	205	...
1885	23·7	422	182	...
1886	23·7	781	198	...
1887	23·6	619	194	...
1888	20·3	431	161	...
1889	21·5	575	212	...
1890	23·3	468	123	...

CANCER.

All deaths from malignant growths are entered under the one definition, "Cancer."

Year by year this disease claims more and more victims, and though increased knowledge and correct diagnosis may add somewhat to the number, yet the yearly increase in the deaths from this disease requires some other explanation than it is possible at present to give. The number of deaths (334) was the largest ever recorded.

(See Tables I. and II.)

TABLE I.

Year.	Male.	Female.	Total.	Percentage of Deaths from Cancer to Total Deaths.	Death Rate per 1,000 of the Population from Cancer.
1869	42	124	166	1.1	0.34
1874	63	146	209	1.3	0.40
1879	86	175	261	1.8	0.48
1884	100	163	263	1.8	0.45
1888	111	206	317	2.6	0.52
1889	121	170	291	2.2	0.48
1890	122	212	334	2.3	0.54

TABLE II.
DEATHS FROM CANCER DURING THE YEAR 1890.

DISEASE.	WARDS, &c.														Males.	Females.	Total.				
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Linne Street.	Castle Street.	St. Peter's.	Pitt Street.	Gt. George.	Rodney Street.	Abercromby.	Everton.	Kirkdale.				West Derby.	North Toxteth.	South Toxteth.	Hospitals.
Cancer of Stomach and Bowels	4	1	2	1	2	..	..	..	2	3	2	3	12	3	3	10	6	30	38	50	88
" Liver	1	2	1	1	..	..	..	..	..	..	2	1	6	3	3	3	2	9	14	20	34
" Urinary and Generative Organs	7	2	2	..	4	1	..	1	2	..	4	1	15	9	6	4	7	19	7	77	84
" Breast	3	..	1	..	..	1	..	..	..	1	2	3	5	1	3	8	2	6	..	35	35
" Head and Face	..	..	..	..	..	..	..	..	..	1	..	1	..	2	3	5	2	4	8	10	18
" Tongue, Neck, and Throat	2	..	..	..	2	..	..	1	..	..	1	1	6	2	7	3	2	22	42	7	49
" Other parts of the Body	1	..	..	..	..	..	..	..	..	..	..	1	..	1	2	1	..	2	7	1	8
" (part not specified)	2	..	..	..	..	..	..	..	..	..	..	2	4	1	4	3	1	1	6	12	18
Total	20	5	4	1	8	2	..	2	4	4	11	13	48	24	36	37	22	93	122	212	334

During the fifty-two weeks of the year 1890 (terminating on Saturday, December 27th, 1890), the Returns of the Local Registrars recorded 17,592 births and 14,293 deaths within the City; the numbers for the corresponding period of the previous year, 1889, were 17,676 births and 13,047 deaths.

Of the births 9,066 were males and 8,526 were females, making the total Birth-rate of the City equal to 28·7 per 1,000; the average of the previous ten years being 33·9.

The Distribution of the births in the different wards and districts of the City 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.	
Scotland	275	284	245	245	276	253	257	253	2088
Vauxhall	44	28	30	43	34	34	22	37	272
St. Paul's and Exchange....	57	57	44	49	58	46	48	43	402
St. Anne's and Lime Street..	104	98	95	94	104	91	82	74	742
Castle Street and St. Peter's..	12	19	7	11	9	18	12	9	97
Pitt Street and Gt. George..	65	59	48	47	71	46	44	36	416
Rodney St. & Abercromby..	162	133	154	141	154	116	119	111	1090
Everton	547	470	507	466	518	459	433	444	3844
Kirkdale	316	287	305	275	295	319	287	267	2351
West Derby	358	346	351	354	336	299	342	287	2673
The Toxteths	502	473	491	442	433	496	413	367	3617
City	2442	2254	2277	2167	2288	2177	2059	1928	17592

DEATHS.

Of the 14,293 deaths 7,251 were of males, and 7,042 of females.

The Death-rate of the City was equal to 23·3 per 1,000. The average of the previous ten years was 24·5 per 1,000.

The following table shows the actual number of deaths registered in the City previous to the transference to the districts from whence the patients were removed, of the deaths occurring in the Workhouses and Hospitals.

The deaths occurred in the following districts :—

DISTRICTS.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Annual.
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Deaths.
Scotland	219	194	200	168	210	219	178	198	1586
Vauxhall	41	27	30	31	31	26	30	30	246
St. Paul's and Exchange	61	50	41	38	29	41	49	52	361
St. Anne's and Lime Street	92	99	85	59	89	83	80	80	667
Castle Street and St. Peter's	16	13	13	5	15	11	15	13	101
Pitt Street and Great George	50	45	52	44	64	44	49	45	393
Rodney Street and Abercromby	69	96	59	60	68	70	76	95	593
Everton	373	395	272	307	315	309	308	317	2596
Kirkdale	207	192	166	168	191	183	186	215	1508
West Derby	177	211	171	209	197	190	205	216	1576
The Toxteths	285	373	264	273	248	269	271	331	2314
Workhouses and Hospitals	438	308	367	201	294	205	305	234	2352
City	2028	2093	1720	1563	1751	1650	1752	1826	14293

From the returns made as to the residences of persons dying in the Workhouses and Hospitals of the town, we are able to classify 2,016 of the deaths in these establishments under the Wards from whence the patients were removed, viz. :—401 under Scotland Ward, 90 under Vauxhall Ward, 54 under St. Paul's Ward, 65 under Exchange Ward, 291 under St. Anne's Ward, 69 under Lime Street Ward, 4 under Castle Street Ward, 33 under St. Peter's Ward, 82 under Pitt Street Ward, 86 under Great George's Ward, 77 under Rodney Street Ward, 84 under Abercromby Ward, 272 under Everton, 81 under Kirkdale, 146 under West Derby Ward, 103 under North Toxteth Ward, and 78 under South Toxteth Ward. This will leave unclassified 111 deaths of persons whose previous residences were either unknown or not specified; and these, in the absence of definite information, have been placed in the Wards in proportion to the number of total deaths; and 225 who were residents outside the city.

The results of the alterations occasioned by this re-arrangement of the deaths in the wards and districts will be shown in the following table, from which a calculated rate of mortality per 1,000 of the estimated inhabitants has been made. The rates are calculated upon a population increasing or decreasing in the same ratio as between 1871 and 1881, and may not be correct as regards the Wards, but will approximate the true rate of the whole City.

WARDS	Annual.	
	Deaths.	Rate per 1000
Scotland	2003	32·3
Vauxhall	339	28 0
St. Paul's	243	25·0
Exchange	241	36 3
St. Anne's	797	34·0
Lime Street	238	27·0
Castle Street	19	20·3
St. Peter's	120	27·1
Pitt Street	240	36·6
Great George	326	38 9
Rodney Street	365	23·1
Abercromby	395	18·5
Everton	2891	23·5
Kirkdale	1602	17·9
West Derby	1735	20·8
North Toxteth	1446	15·9
South Toxteth	1068	23·0
Hospitals (Residences outside City)	225	—
	14293	23·3

The following table shows the natural increase or decrease of population, and the number of births and deaths during the year 1890, in the several districts of the City :—

DISTRICTS AND WARDS.	Births.	Deaths.	Increase.	Decrease
Scotland	2088	2003	85	..
Vauxhall	272	339	..	67
St. Paul's and Exchange	402	484	..	82
St. Anne's and Lime Street	742	1035	..	293
Castle Street and St. Peter's	97	139	..	42
Pitt Street and Gt. George.. .. .	416	566	..	150
Rodney Street and Abercromby	1090	760	330	..
Everton	3844	2891	953	..
Kirkdale	2351	1602	749	..
West Derby	2673	1735	938	..
The Toxteths.. .. .	3617	2514	1103	..
City	17592	14068	3524	..
Hospitals (Residences outside City)	..	225	..	..
Total.. .. .	17592	14293	3299	..

The following table, taken from the Registrar-General's Reports, will enable us to compare the mortality of Liverpool with thirty of the large towns of the United Kingdom:—

TOWNS.	Estimated Population in the middle of the year 1890.	Births in 53 Weeks, ending 3rd Jan., 1891.	Deaths in 53 Weeks, ending 3rd Jan., 1891.	Annual Rate to 1,000 of Population.		Population on Acre.
				Births.	Deaths.	
London	4421661	130690	91243	29·1	20·3	59·2
Brighton	123659	2915	2232	23·2	17·8	49·2
Portsmouth	142952	4881	2847	33·6	19·6	33·1
Norwich	95352	3198	2041	33·0	21·1	12·8
Plymouth	78780	2498	1795	31·2	22·4	53·7
Bristol	232248	6634	4536	28·1	19·2	50·1
Wolverhampton	83406	2735	1850	32·3	21·8	24·6
Birmingham	461865	14139	9735	30·1	20·7	55·0
Leicester	154344	4789	2811	30·5	17·9	48·2
Nottingham	244909	6196	4100	24·9	16·5	24·6
Derby	100871	2757	1898	26·9	18·5	29·2
Birkenhead	105049	3355	2102	31·4	19·7	27·3
Bolton	115846	3703	3036	31·4	25·8	48·2
Manchester	379437	13478	11789	34·9	30·6	64·0
Salford	242509	7098	5512	28·8	22·4	46·9
Oldham	146716	4023	3166	27·0	21·2	31·0
Blackburn	123553	4083	2947	32·5	23·5	17·7
Preston	105163	3859	2932	36·1	27·4	28·3
Huddersfield	94253	2167	1818	22·6	19·0	9·0
Halifax	82034	2327	1873	27·9	22·5	21·8
Bradford	240515	6253	4984	25·6	20·4	22·3
Leeds	363799	12340	8367	33·4	22·6	16·9
Sheffield	332837	10899	8434	32·2	24·9	16·9
Hull	213833	6795	4183	31·3	19·2	27·0
Sunderland	136506	4932	3152	35·5	22·7	45·0
Newcastle-on-Tyne	162987	6596	4285	39·8	25·9	30·3
Cardiff	117012	4600	2469	38·7	20·8	15·9
Edinburgh	271135	7267	5524	26·4	20·0	45·9
Glasgow	530208	19548	13626	36·3	25·3	86·8
Dublin	353082	9629	9454	26·9	26·4	14·3
LIVERPOOL	613463	17972	14687	28·8	23·6	117·7

NOTE.—The Birth and Death rates in this Table are calculated on the number of Births and Deaths registered during 53 weeks, while the figures given in all the other Tables are for a period of 52 weeks, so as to make them comparable with the corresponding Tables in previous reports.

The deaths of Infants below five years of age amounted to 6,319, and thus comprised 44·2 per cent. of the whole deaths ; the average number for the preceding ten years was 6,369, and the average percentage 45·2. The deaths of Infants below one year of age amounted to 3,438, or 19·5 per cent. of all the children born within the city, died before attaining the age of twelve months.

The first of the following tables shows the districts where Infantile Mortality was relatively and absolutely greatest, the second table illustrates the influence of age on the death-rate of the city, 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.	Per Cent- age of Deaths under 1 year to Total Births.
	March.	June.	Sept.	Dec.			
Scotland	{ Total Deaths.. 413	368	429	376	1586	57·8	22·8
..	{ Below 5 years.. 203	216	300	197	916		
Vauxhall	{ Total Deaths.. 68	61	57	60	246	45·9	24·6
..	{ Below 5 years.. 24	27	40	22	113		
St. Paul's	{ Total Deaths.. 65	44	30	48	187	43·3	20·9
..	{ Below 5 years.. 28	17	17	19	81		
Exchange	{ Total Deaths.. 46	35	40	53	174	39·7	22·9
..	{ Below 5 years.. 15	14	19	21	69		
St. Anne's	{ Total Deaths.. 140	107	127	126	500	47·8	22·9
..	{ Below 5 years.. 66	53	70	50	239		
Lime Street	{ Total Deaths.. 51	37	45	34	167	34·1	21·6
..	{ Below 5 years.. 14	14	18	11	57		
Castle Street	{ Total Deaths.. 5	1	1	8	15	6·6	37·2
..	{ Below 5 years.. 1	..	..	..	1		
St. Peter's	{ Total Deaths.. 24	17	25	20	86	43·6	23·8
..	{ Below 5 years.. 10	8	8	6	32		
Pitt Street	{ Total Deaths.. 36	45	44	31	156	43·5	10·6
..	{ Below 5 years.. 13	20	24	11	68		
Great George	{ Total Deaths.. 59	51	64	63	237	29·8	18·1
..	{ Below 5 years.. 25	14	34	30	103		
Rodney Street..	{ Total Deaths.. 80	58	64	83	285	33·1	19·8
..	{ Below 5 years.. 15	15	31	24	85		
Abercromby....	{ Total Deaths.. 85	61	74	88	308	52·9	18·2
..	{ Below 5 years.. 28	22	26	26	102		
Everton..	{ Total Deaths.. 768	579	624	625	2596	54·8	17·9
..	{ Below 5 years.. 386	317	372	298	1373		
Kirkdale	{ Total Deaths.. 399	334	374	401	1508	52·2	13·6
..	{ Below 5 years.. 198	178	224	227	827		
West Derby	{ Total Deaths.. 388	380	387	421	1576	44·5	19·5
..	{ Below 5 years.. 179	199	232	213	823		
North Toxteth..	{ Total Deaths.. 367	325	280	360	1332	52·5	..
..	{ Below 5 years.. 156	133	147	157	593		
South Toxteth..	{ Total Deaths.. 291	212	237	242	982	13·6	..
..	{ Below 5 years.. 137	109	139	131	516		
Workhouses and Hospitals	{ Total Deaths.. 746	568	499	539	2352	13·6	..
..	{ Below 5 years.. 72	100	84	65	321		
City	{ Total Deaths.. 4031	3283	3401	3578	14293	44·2	19·5
..	{ Below 5 years.. 1570	1456	1785	1508	6319		

AGES.	Quarters.				Annual.	
	March.	June.	Sept.	Dec.	Deaths.	Rate per 1000 of population.
Deaths below 1 year of age	820	712	1063	843	3438	5.6
„ between 1 year and 5	750	744	722	665	2881	4.7
„ „ 5 „ 20	277	279	287	269	1112	1.8
„ „ 20 „ 60	1456	1089	917	1140	4602	7.5
„ above 60 years	728	459	412	661	2260	3.7
„ at ages unknown	..	..	..	..	..	..
„ at all ages	4031	3283	3401	3578	14293	23.3

The Registrars' Returns show that there were 18 deaths (17 women and 1 man) at the age of 90 and upwards, viz., 7 females at 90, 2 females at 91, and 2 females at 92, 4 females and 1 male at 93, 1 female at 94, and 1 female at 98.

CLASSES.	QUARTERS.				YEAR 1890.
	March.	June.	Sept.	Dec.	
1. Zymotic Diseases	552	571	778	558	2459
2. Diseases of Uncertain Seat	109	94	102	104	409
3. Tubercular Diseases	429	411	429	409	1678
4. Diseases of Brain, &c.	425	407	368	368	1568
5. „ of Heart, &c.	256	179	178	218	831
6. „ of Lungs, &c.	1331	812	535	967	3645
7. „ of Stomach, &c.	172	157	238	196	763
8. „ of Kidneys, &c.	75	62	56	76	269
9. Childbirth, Diseases of Uterus, &c.	26	35	21	24	106
10. Rheumatism, Diseases of the Joints, &c.	11	18	14	11	54
11. Diseases of the Skin, Cellular Tissue, &c.	14	11	11	13	49
12. Malformations	15	8	9	9	41
13. Premature Birth	91	68	91	88	338
14. Atrophy and Debility	132	152	267	206	757
15. Old Age	109	64	81	112	366
16. Privation, Cold, &c.	..	..	..	..	..
17. Inquests	228	207	199	186	820
Causes not specified	56	27	24	33	140
All Causes	4031	3283	3401	3578	14293
Total Zymotics	552	571	778	558	2459
Smallpox	..	..	..	..	..
Measles	179	207	104	45	535
Scarlatina	65	112	187	213	577
Hooping Cough	143	111	49	52	355
Diarrhoea	22	27	308	111	468
Fever { Typhus	3	3	10	7	23
{ Typhoid	21	25	24	29	99
{ Simple Continued	1	..	..	..	1

ZYMOTICS.

This class of diseases occasioned 2,459 deaths during the year 1890, and accounted for 17·2 per cent. of the total mortality within the City during the same period. The average number of deaths from these diseases for the preceding ten years was 2,630, and the percentage death rate for 1890 was 1·4 per cent. less than the proportional rate of zymotic deaths to deaths from all causes during the preceding decennial 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	1586	61	69	106	44	17·7
Vauxhall	246	7	8	8	5	11·4
St. Paul's	187	13	2	7	4	13·9
Exchange	174	5	3	13	12	19·0
St. Anne's	500	23	18	23	8	14·4
Lime Street	167	2	5	6	4	10·2
Castle Street	15	2	..	..	..	13·3
St. Peter's	86	2	3	2	1	9·3
Pitt Street	156	5	10	11	2	17·9
Great George	237	6	4	11	6	11·4
Rodney Street	285	9	5	16	6	12·6
Abercromby	308	12	9	13	9	14·0
Liverpool Workhouse Hospital	1193	17	13	14	11	4·6
Royal Infirmary	117	1	1	1	..	2·6
Children's Infirmary	118	5	13	3	1	18·6
Lying-in Hospital	10	..	..	..	..	..
Hahnemann Hospital	28	1	1	1	..	10·7
Consumption Hospital	20	..	..	..	..	..
North Hospital	163	1	1	1	2	3·1
Hospital for Women	7	..	..	..	..	..
Stanley Hospital	71	..	..	1	2	4·2
Royal South Hospital	207	..	1	1	2	1·9
West Derby Union Hospital	239	4	1	..	1	2·5
City Hospital North, Netherfield Road	95	12	25	21	21	83·2
City Hospital South, Grafton Street	60	9	5	19	18	85·0
City Hospital, Park Hill	24	..	..	13	11	100·0
Everton	2596	150	136	182	115	22·0
Kirkdale	1508	73	64	89	83	20·5
West Derby	1576	55	84	90	71	19·0
North Toxteth	1332	37	55	66	64	16·7
South Toxteth	982	40	35	60	55	19·3
City	14293	552	571	778	558	17·2

FEVER.

Fever accounted for 123 deaths within the City of Liverpool, being a decrease of 89 on the previous year. (The average number of deaths for the preceding ten years was 283.) The rate of its mortality was equal to 0·2 per 1,000 of the estimated population. Its percentage rate relatively to deaths from all causes was 0·6 during the first, 0·9 during the second, 1·0 during the third, and 1·0 during the fourth quarter of the year. Its annual rate relatively to deaths from all causes was 0·9 per cent., and relatively to deaths from zymotic causes 5·0 per cent. Its deaths included 69 males and 54 females; 40 persons below the age of 15; 33 between the ages of 15 and 30; and 50 above the age of 30.

Under the term Fever every form of continued fever is included; but the registers of deaths attribute 1 case to gastric fever, 65 to typhoid fever, 33 to enteric fever, 23 to typhus, and 1 to continued fever.

The following tables are in themselves sufficiently explanatory. The first compares the averages of deaths from fever during the preceding ten years with those during 1890; the second and third tables show the districts of the town and the periods of the year in which all forms of continued fever were most fatally prevalent; the fourth marks in streets the habitats of the disease, and the remaining tables the occupations and positions of its victims.

WARDS.	Exact Average of Fever Deaths for Preceding Ten Years.	Deaths from Fever during the Year 1890.			
		Typhus.	Typhoid.	Simple continued.	Total.
Scotland.. .. .	22	2	8	..	10
Vauxhall	4	..	..	..	..
St. Paul's	5	..	1	..	1
Exchange	4	1	6	..	7
St. Anne's	7	1	2	..	3
Lime Street	2	..	1	..	1
Castle Street	..	..	..	..	..
St. Peter's	..	..	..	..	..
Pitt Street	1	..	1	..	1
Great George	2	..	1	..	1
Rodney Street	3	..	2	..	2
Abercromby	3	..	..	..	..
Everton	27	1	17	..	18
Kirkdale	17	2	9	..	11
West Derby	15	2	3	1	6
North Toxteth	16	..	10	..	10
South Toxteth	14	..	7	..	7
Hospital Deaths	141	14	31	..	45
Total	283	23	99	1	123

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

DEATHS FROM FEVER DURING THE YEAR 1890.

WARDS.	January.				February.				March.				Quarter.				April.				May.				June.				Quarter.							
	January.				February.				March.				Quarter.				April.				May.				June.				Quarter.							
	4	11	18	25	1	8	15	22	1	8	15	22	29	Typhus.	Typhoid.	Simple contd.	Total.	5	12	19	26	3	10	17	24	31	7	14	21	28	Typhus.	Typhoid.	Simple contd.	Total.		
Scotland ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	28
Vauxhall ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Paul's ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Exchange ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Anne's ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Line Street ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Castle Street ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Great George ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rodney Street ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Abercromby ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Everton ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kirkdale ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
West Derby ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Toxteth ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Toxteth ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hospitals (Residences out of City) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hospitals (Residences unknown) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
* Total ..	1	8	3	2	..	2	1	1	1	4	1	..	2	..	2	2	1	2	..	1	3	2	..	4	2	2	3	4	3	25	..	..	..	28		

WARDS.	July.					August.					September.					Quarter.					October.					November.					December.					Quarter.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	5	12	19	26	..	2	9	16	23	30	6	13	20	27	Typhus.	Typhoid.	Simple contd.	Total.	4	11	18	25	1	8	15	22	29	6	13	20	27	Typhus.	Typhoid.	Simple contd.	Total.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Scotland ..	1	..	..	..	..	1	..	..	..	..	..	1	..	1	1	3	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

List of Streets in the City wherein Deaths from TYPHUS occurred during
the Year 1890.

STREETS.	HOUSES.		Total.	STREETS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Blenheim	1		1	Newsham	1		1
Brown	1		1	Roscoe	1	2	3
Calvin	1		1	Roscoe Lane		1	1
Canterbury	1		1	Simpson	1		1
Collingwood		1	1	St. James		1	1
Cotter		1	1	Tichborne Terrace ..	1		1
Howat	1		1	Turton	1		1
Hunter		1	1	Upper Frederick ..	1		1
Hutton	1		1	Vernon	1		1
Limekiln Lane ..		1	1	Westminster Road ..	1		1
Mount Vernon View ..		1	1				

List of Streets in the City wherein Two or more Deaths from TYPHOID
FEVER occurred during the Year 1890.

STREETS.	HOUSES.		Total.	STREETS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Adlington	2	1	3	Lavrock Bank	2		2
Great Crosshall ..	2		2	Radcliffe	2		2
Lace	2		2	Westmoreland Place ..	2		2
Lamb	2		2				

Occupations of Persons who (either themselves or members of their family) have died from Fever in the Hospitals of the City, tabulated into Wards from whence they came, during the Year 1896.

CITY HOSPITAL NORTH (NETHERFIELD ROAD).

OCCUPATIONS.							WARDS.					Residence outside the City.	TOTAL.
							Scotland.	Great George.	Rodney Street.	Everton.	Kirkdale.		
Labourers	..	..	..	..	..	..	2	3	1	1	..	..	7
Tradesmen	..	..	..	..	..	..	..	..	1	2	..	..	3
Professions and Mercantile	..	..	..	..	..	..	..	..	..	1	..	..	1
Seamen	..	..	..	..	..	..	..	..	..	..	1	..	1
Soldiers	..	..	..	..	..	..	1	..	..	..	..	..	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	1	1
Males	..	..	..	..	..	..	1	3	2	1	1	1	9
Females	..	..	..	..	..	..	2	..	..	3	..	..	5
Total	..	..	..	..	..	..	3	3	2	4	1	1	14

CITY HOSPITAL SOUTH (GRAFTON STREET).

OCCUPATIONS.						WARDS.											Total.
						Scotland.	Vauxhall.	Exchange.	St. Anne's.	Pitt Street.	Gt. George.	Rodney Street.	Everton.	West Derby.	North Toxteth.	South Toxteth.	
Labourers	..	..	..	..	..	1	..	1	1	1	1	..	2	3	2	12	
Tradesmen	..	..	..	..	..	1	..	1	..	..	1	1	..	..	1	5	
Seamen	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	3	
Males	..	..	..	..	..	1	..	1	1	..	1	..	2	2	3	11	
Females	..	..	..	..	..	1	1	..	..	1	3	2	..	1	..	9	
Total	..	..	..	..	..	2	1	1	1	1	1	3	2	2	3	20	

* OTHER INSTITUTIONS.

OCCUPATIONS.	WARDS.								Residence unknown.	Residence outside the City.	TOTAL.
	Scotland.	Exchange.	Rodney Street.	Abercromby.	Everton.	Kirkdale.	West Derby.	North Toxteth.			
Labourers	1	1	..	..	1	..	..	1	..	1	5
Tradesmen	..	..	..	1	..	1	1	..	..	..	3
Seamen	..	..	..	..	..	..	..	..	2	..	2
Nurse	..	..	1	..	..	..	..	..	..	..	1
Males	..	1	..	..	..	..	1	..	2	1	5
Females	1	..	1	1	1	1	..	1	..	..	6
Total	1	1	1	1	1	1	1	1	2	1	11

* ROYAL INFIRMARY	1	} 11 deaths.
CHILDREN'S INFIRMARY	1	
NORTHERN HOSPITAL	1	
ROYAL SOUTHERN HOSPITAL	1	
STANLEY HOSPITAL	1	
HAHNEMANN HOSPITAL	2	
WEST DERBY UNION HOSPITAL (Mill Road)	2	
PARISH HOSPITAL (Brownlow Hill)	2	

Occupations of Persons who (either themselves or members of their family) have died from Fever in the different Wards of the City during the Year 1890. (Not included in the foregoing Tables of Deaths in Hospitals.)

OCCUPATIONS.	WARDS.																	TOTAL.
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Line Street.	Castle Street.	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby.	Everton.	Kirkdale.	West Derby.	North Toxteth.	South Toxteth.	
Labourers	5	1	5	1	1	1	1	1	1	1	1	6	5	2	2	5	34	
Tradesmen	4	1	1	1	1	1	1	1	1	1	1	7	1	4	3	1	24	
Professions and Mercantile	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	1	10	
Seamen	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	7	
Servants	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	
Police Constables	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Males	6	3	2	1	1	1	1	1	1	1	1	12	6	2	8	2	44	
Females	4	1	4	1	1	1	1	1	1	2	1	6	5	4	2	5	34	
Total	10	1	7	3	1	1	1	1	1	2	1	18	11	6	10	7	78	

SCARLATINA.

Scarlatina accounted during the year for 577 deaths. (The average number of deaths for the preceding ten years was 319). The rate of its mortality was equal to 0·9 per 1000 of the estimated population. Its rate relatively to deaths from all causes was 1·6 per cent. in the first quarter, 3·4 in the second, 5·5 in the third, and 6·0 in the fourth quarter of the year; its annual rate relatively to all deaths was 4·0 per cent., and relatively to deaths from zymotic causes 23·5 per cent.

The first of the following tables gives a statistical history of the mortality of Scarlatina during the year 1890; the second is a record of the streets of the City wherein two 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 ..		4	..	1	2	6	8	6	5	17	15	32
	{ Above 5 years ..		1	..	..	1	4	7	1	2	6	10	16
Vauxhall	{ Below 5 years ..		..	..	..	..	1	..	..	..	1	..	1
	{ Above 5 years ..		2	..	..	..	..	..	1	2	1	..	3
St. Paul's	{ Below 5 years ..		1	..	..	..	..	1	..	..	1	1	2
	{ Above 5 years ..		..	..	..	..	..	..	1	..	1	..	1
Exchange	{ Below 5 years ..		..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years ..		..	..	..	..	..	..	..	..	..	..	..
St. Anne's	{ Below 5 years ..		1	..	1	..	1	4	2	..	5	4	9
	{ Above 5 years ..		..	..	1	..	2	..	2	1	5	1	6
Lime Street	{ Below 5 years ..		..	..	..	..	1	..	..	..	1	..	1
	{ Above 5 years ..		..	..	..	..	..	..	..	..	..	..	..
Castle Street	{ Below 5 years ..		..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..		..	..	..	..	..	..	..	..	..	..	..
St. Peter's	{ Below 5 years ..		..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..		..	..	..	..	..	..	..	..	..	..	..
Pitt Street	{ Below 5 years ..		1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..		..	..	..	..	..	..	..	..	..	..	..
Great George	{ Below 5 years ..		..	1	..	..	..	..	1	..	1	1	2
	{ Above 5 years ..		..	..	..	..	..	..	..	..	..	..	..
Rodney Street.. ..	{ Below 5 years ..		..	..	..	..	..	..	1	..	1	..	1
	{ Above 5 years ..		1	..	..	..	1	..	..	..	2	..	2
Abercromby	{ Below 5 years ..		..	1	..	..	1	..	..	..	1	1	2
	{ Above 5 years ..		..	..	1	2	1	..	1	..	3	2	5
Everton.. ..	{ Below 5 years ..		5	9	11	8	28	16	15	16	59	49	108
	{ Above 5 years ..		9	..	8	3	12	11	9	9	38	23	61
Kirkdale	{ Below 5 years ..		..	4	10	7	6	5	16	11	32	27	59
	{ Above 5 years ..		2	2	3	3	7	2	1	5	13	12	25
West Derby	{ Below 5 years ..		2	1	4	3	2	3	15	7	23	14	37
	{ Above 5 years ..		2	2	4	6	3	1	7	2	16	11	27
North Toxteth.. ..	{ Below 5 years ..		..	1	4	2	3	4	6	8	13	15	28
	{ Above 5 years ..		..	2	1	..	4	..	7	5	12	7	19
South Toxteth.. ..	{ Below 5 years ..		..	1	..	1	1	4	6	3	7	9	16
	{ Above 5 years ..		..	1	..	..	..	..	3	4	3	5	8
Hospitals	{ Below 5 years ..		3	3	7	8	9	15	12	4	31	30	61
	{ Above 5 years ..		2	1	3	7	8	5	7	10	20	23	43
City	{ Below 5 years ..		17	21	38	31	59	60	79	56	193	168	361
	{ Above 5 years ..		19	8	21	22	42	26	38	40	120	96	216

List of Streets in the City wherein Two or more Deaths from
Scarlatina occurred during the Year 1890.

STREETS.	HOUSES.		Total.	STREETS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Abbey	3	..	3	Lamb	5	..	5
Arkwright	4	..	4	Mozart	5	..	5
Athol	3	..	3	Netherfield Road North	3	..	3
Bankhall	4	..	4	Northumberland ..	3	..	3
Beau	2	2	4	Nursery	3	..	3
Boaler	4	..	4	Oriel Road	3	..	3
Bond	2	1	3	Paddington	3	..	3
Breckfield Road North..	3	..	3	Portland	3	..	3
Buckingham	5	..	5	Premier	5	..	5
Carmel	3	..	3	Prince Edwin	1	2	3
Cazneau	..	5	5	Reading	3	..	3
Christian	3	..	3	Robsart	3	..	3
Cornwall.. ..	3	..	3	Roscommon	..	4	4
Denman	3	..	3	Rose Vale	4	..	4
Elmore	4	..	4	St. George's Hill ..	3	..	3
Foxhill	3	..	3	Silvester	3	..	3
Friar	3	..	3	Tagus	3	..	3
Gordon	4	..	4	Tillard	7	..	7
Hibbert	3	..	3	Troughton	5	..	5
Janet	3	..	3	Waterhouse	3	..	3
Kilshaw	4	..	4	Wye	3	..	3

MEASLES.

Measles occasioned 535 deaths. (The average number of deaths for the preceding ten years was 514.) Its percentage death-rate relatively to deaths from all causes was 4.4 in the first quarter of the year, 6.3 in the second, 3.1 in the third, and 1.3 in the fourth. Its annual percentage rate relatively to deaths from all causes was 3.7, and relatively to deaths from Zymotic causes 21.8.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	..	{ Below 5 years ..	12	7	16	12	10	10	4	1	42	30	72
		{ Above 5 years ..	..	1	1	1	..	1	..	..	1	3	4
Vauxhall	..	{ Below 5 years ..	..	1	1	3	..	1	..	1	1	6	7
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Paul's	..	{ Below 5 years ..	6	4	..	1	..	..	..	..	6	5	11
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Exchange	..	{ Below 5 years ..	2	..	..	1	2	2	..	1	4	4	8
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Anne's	..	{ Below 5 years ..	9	5	2	6	3	..	..	..	14	11	25
		{ Above 5 years ..	3	1	..	..	..	..	..	..	3	1	4
Lime Street	..	{ Below 5 years ..	..	..	..	1	1	..	..	..	1	1	2
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Castle Street	..	{ Below 5 years ..	1	..	..	..	..	..	..	..	1	..	1
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	..	{ Below 5 years ..	..	..	1	2	1	1	..	..	2	3	5
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street	..	{ Below 5 years ..	..	..	3	2	2	..	..	..	5	2	7
		{ Above 5 years ..	..	..	1	..	1	..	..	..	2	2	4
Great George	..	{ Below 5 years ..	1	..	..	1	1	1	..	..	2	2	4
		{ Above 5 years ..	..	..	..	..	..	1	..	..	..	1	1
Rodney Street	..	{ Below 5 years ..	..	..	..	2	2	3	..	..	2	5	7
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Abercromby	..	{ Below 5 years ..	1	..	..	2	1	..	..	..	2	2	4
		{ Above 5 years ..	..	1	..	..	1	..	..	..	..	2	2
Everton	..	{ Below 5 years ..	27	26	36	24	6	6	6	1	75	57	132
		{ Above 5 years ..	5	3	2	1	..	..	..	..	7	4	11
Kirkdale	..	{ Below 5 years ..	20	10	5	11	3	4	2	8	30	33	63
		{ Above 5 years ..	..	2	1	..	..	1	..	..	1	3	4
West Derby	..	{ Below 5 years ..	10	10	14	18	9	5	1	8	34	41	75
		{ Above 5 years ..	..	1	..	1	..	2	1	..	1	4	5
North Toxteth	..	{ Below 5 years ..	2	..	10	8	3	2	..	3	15	13	28
		{ Above 5 years ..	..	..	..	..	..	1	1	..	1	1	2
South Toxteth	..	{ Below 5 years ..	..	1	7	6	7	4	1	3	15	14	29
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Workhouses and Hospitals	..	{ Below 5 years ..	3	3	2	1	2	3	2	1	9	8	17
		{ Above 5 years ..	1	..	1	..	1	..	..	..	3	..	3
City	..	{ Below 5 years ..	94	67	97	101	53	42	16	27	260	237	497
		{ Above 5 years ..	9	9	5	4	1	8	2	..	17	21	38

DIARRHŒA.

Diarrhœa accounted for 468 deaths. (The average number of deaths for the preceding ten years was 631). Its percentage death-rate relatively to deaths from all causes was 0·5 in the first quarter of the year, 0·8 in the second, 9·1 in the third, and 3·1 in the fourth quarter. Its annual percentage rate relatively to deaths from all causes was 3·3, and relatively to deaths from Zymotic causes 19·0.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	..	{ Below 5 years ..	1	2	2	1	17	19	5	6	25	28	53
		{ Above 5 years ..	..	1	..	1	2	1	..	1	2	4	6
Vauxhall	..	{ Below 5 years ..	1	..	1	..	1	1	..	1	3	2	5
		{ Above 5 years ..	..	..	..	..	1	..	..	1	..	1	1
St. Paul's	..	{ Below 5 years ..	..	..	..	..	4	..	..	..	4	..	4
		{ Above 5 years ..	..	..	..	..	1	..	..	1	..	1	1
Exchange	..	{ Below 5 years ..	..	..	..	..	2	4	3	4	5	9	9
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Anne's	..	{ Below 5 years ..	..	..	..	..	5	2	1	..	6	2	8
		{ Above 5 years ..	..	..	..	..	1	..	..	1	1	1	2
Lime Street	..	{ Below 5 years ..	..	..	1	..	1	1	1	1	3	2	5
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Castle Street	..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years ..	..	1	..	..	..	..	..	..	1	1	1
St. Peter's	..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street	..	{ Below 5 years ..	..	..	..	..	2	1	..	..	2	1	3
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Great George	..	{ Below 5 years ..	..	1	..	..	3	..	1	..	5	..	5
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Rodney Street..	..	{ Below 5 years ..	..	..	1	..	3	3	1	..	5	3	8
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Abercromby	..	{ Below 5 years ..	..	..	1	..	4	2	3	..	8	2	10
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Everton	..	{ Below 5 years ..	3	1	1	2	30	41	13	4	47	48	95
		{ Above 5 years ..	1	..	1	..	1	3	1	..	4	3	7
Kirkdale	..	{ Below 5 years ..	2	..	1	2	20	20	9	9	32	31	63
		{ Above 5 years ..	..	..	..	..	2	1	..	..	2	1	3
West Derby	..	{ Below 5 years ..	..	..	..	1	20	20	9	6	29	27	56
		{ Above 5 years ..	..	..	1	..	2	2	..	..	3	2	5
North Toxteth	..	{ Below 5 years ..	..	..	1	3	15	16	1	5	17	24	41
		{ Above 5 years ..	..	..	..	2	3	3	3	2	6	7	13
South Toxteth	..	{ Below 5 years ..	..	1	1	..	12	12	5	7	18	20	38
		{ Above 5 years ..	..	2	1	..	1	1	1	2	3	5	8
Workhouses and Hospitals	..	{ Below 5 years..	1	1	..	..	..	3	1	..	2	4	6
		{ Above 5 years..	1	2	2	..	..	3	1	3	4	8	12
City	..	{ Below 5 years..	8	6	10	9	130	150	53	43	201	208	409
		{ Above 5 years..	2	6	5	3	14	14	6	9	27	32	59

List of Streets in the City wherein Three or more Deaths from
Diarrhœa occurred during the Year 1890.

STREETS.	HOUSES.		Total.	STREETS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Arlington	4	..	4	Hampton	2	1	3
Beaufort	3	..	3	Hornby	1	5	6
Brindley . . .	..	3	3	Howe	3	..	3
Buckingham	3	..	3	Netherfield Road N. ..	4	..	4
Burlington	..	3	3	Portland	3	..	3
Caryl	3	..	3	Prince Edwin .. .	2	1	3
Cotter	..	3	3	Robsart	3	1	4
Cranmer	5	..	5	Rose Vale	2	1	3
Forth	3	..	3	St. John's Road ..	3	..	3
Frank	2	1	3	Smith	3	..	3
Gordon	3	..	3	Teulon	3	..	3

WHOOPIING COUGH.

Whooping Cough occasioned 355 deaths. (The average number of deaths for the preceding ten years was 408). Its percentage death-rate relatively to deaths from all causes was 3·5 in the first quarter of the year, 3·4 in the second, 1·4 in the third, and 1·5 in the fourth ; its percentage rate relatively to deaths from all causes was 2·5, and relatively to deaths from Zymotic causes 14·4.

DEATHS FROM WHOOPING COUGH.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	{ Below 5 years	..	7	8	11	9	3	6	4	2	25	25	50
	{ Above 5 years	..	2	1	..	1	..	1	..	..	2	3	5
Vauxhall	{ Below 5 years	..	..	1	..	1	..	..	..	..	..	2	2
	{ Above 5 years	..	1	..	..	..	..	..	..	..	1	..	1
St. Paul's	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..	..
Exchange	{ Below 5 years	..	..	..	..	1	2	..	..	1	2	3	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..	..
St. Anne's	{ Below 5 years	..	1	..	2	1	..	1	..	3	2	5	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..	..
Lime Street	{ Below 5 years	..	..	1	..	1	..	..	..	..	2	2	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..	..
Castle Street	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	{ Below 5 years	..	..	1	..	..	..	..	..	..	1	1	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street	{ Below 5 years	..	..	1	1	1	..	..	..	1	2	3	..
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..	..
Great George	{ Below 5 years	..	2	..	1	1	..	1	3	..	6	2	8
	{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..	..
Rodney Street..	{ Below 5 years	..	3	2	..	..	1	1	..	1	4	4	8
	{ Above 5 years	..	1	..	..	..	..	..	..	1	..	1	..
Abercromby	{ Below 5 years	..	2	4	1	..	1	1	..	4	5	9	..
	{ Above 5 years	..	..	1	..	..	..	..	..	..	1	1	..
Everton..	{ Below 5 years	..	16	19	8	10	3	7	3	11	30	47	77
	{ Above 5 years	..	..	1	1	..	..	..	..	1	1	2	..
Kirkdale	{ Below 5 years	..	6	5	4	6	3	2	3	3	16	16	32
	{ Above 5 years	..	..	1	..	1	..	..	..	..	2	2	..
West Derby	{ Below 5 years	..	9	7	10	12	2	1	1	3	22	23	45
	{ Above 5 years	..	..	1	1	1	..	..	..	1	2	3	..
North Toxteth	{ Below 5 years	..	11	7	4	4	3	2	5	5	23	18	41
	{ Above 5 years	..	1	..	..	1	..	..	1	..	2	1	3
South Toxteth..	{ Below 5 years	..	9	11	4	6	4	3	2	4	19	24	43
	{ Above 5 years	..	..	..	..	1	..	..	..	..	1	1	..
Workhouses and Hospitals	{ Below 5 years	..	..	..	2	3	..	..	1	..	3	3	6
	{ Above 5 years	..	..	..	..	1	..	..	..	..	1	1	..
City	{ Below 5 years	..	66	67	48	55	21	27	22	29	157	178	335
	{ Above 5 years	..	5	5	2	6	..	1	1	..	8	12	20

CROUP.

The deaths (107) from this disease were 46 below the average of the preceding ten years (1880 to 1889) and 71 lower than the average for the ten years 1870 to 1879.

DEATHS FROM CROUP.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.		M.	F.	Total
			M.	F.	M.	F.	M.	F.	M.	F.			
Scotland	..	{ Below 5 years ..	3	3	2	..	1	1	2	..	8	4	12
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Vauxhall	..	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Paul's	..	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Exchange	..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Anne's	..	{ Below 5 years ..	..	1	2	..	..	..	..	2	1	..	3
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Lime Street	..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Castle Street	..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	..	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street	..	{ Below 5 years ..	..	..	..	..	1	..	1	..	2	..	2
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Great George	..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Rodney Street	..	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Abercromby	..	{ Below 5 years ..	2	..	..	1	..	1	..	1	2	3	5
		{ Above 5 years ..	..	..	..	..	..	1	..	1	..	..	1
Everton	..	{ Below 5 years ..	3	1	7	2	..	1	4	1	14	5	19
		{ Above 5 years ..	1	..	..	..	..	..	..	..	1	..	1
Kirkdale	..	{ Below 5 years ..	6	2	3	3	2	1	3	1	14	7	21
		{ Above 5 years ..	1	..	..	1	..	..	..	..	1	1	2
West Derby	..	{ Below 5 years ..	4	..	2	..	1	1	..	2	7	3	10
		{ Above 5 years ..	..	..	..	1	..	..	1	..	1	1	2
North Toxteth	..	{ Below 5 years ..	1	2	..	1	..	1	4	..	5	4	9
		{ Above 5 years ..	..	..	..	..	..	..	1	..	1	..	1
South Toxteth	..	{ Below 5 years ..	1	1	1	1	..	1	2	1	4	4	8
		{ Above 5 years ..	1	..	1	..	1	..	..	1	3	1	4
Workhouses and Hospitals		{ Below 5 years ..	..	1	..	1	..	1	..	..	..	3	3
		{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
City	..	{ Below 5 years ..	20	11	17	9	5	8	17	9	59	37	96
		{ Above 5 years ..	3	..	1	2	1	..	2	2	7	4	11

DIPHTHERIA.

The number of deaths (104) from this disease was 28 above the average of the preceding ten years (1880 to 1889), and 47 above the average for the ten years 1870 to 1879.

DEATHS FROM DIPHTHERIA.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.		M.	F.	Total.
			M.	F.	M.	F.	M.	F.	M.	F.			
Scotland ..	{ Below 5 years ..	..	..	..	1	..	..	1	..	..	1	1	2
	{ Above 5 years ..	..	..	..	..	..	..	1	..	1	..	2	2
Vauxhall ..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	1	..	1	..	1
St. Paul's ..	{ Below 5 years ..	..	1	..	..	..	..	..	1	1	2	1	3
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
Exchange ..	{ Below 5 years ..	..	1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
St. Anne's ..	{ Below 5 years ..	..	1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
Lime Street ..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	1	..	..	..	1	..	1
Castle Street ..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's ..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
Pitt Street ..	{ Below 5 years ..	..	..	..	1	..	1	..	..	..	2	..	2
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
Great George ..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	..	..	..	..	..	1	..	..	..	1	1
Rodney Street..	{ Below 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
	{ Above 5 years ..	..	1	..	..	..	1	..	..	..	2	..	2
Abercromby ..	{ Below 5 years ..	..	..	..	..	..	..	..	..	1	..	1	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
Everton ..	{ Below 5 years ..	..	2	3	..	2	4	..	4	2	10	7	17
	{ Above 5 years ..	..	..	4	..	..	1	..	1	1	2	5	7
Kirkdale ..	{ Below 5 years ..	..	2	..	..	..	..	2	2	1	4	3	7
	{ Above 5 years ..	..	1	..	..	..	..	1	..	1	1	2	3
West Derby ..	{ Below 5 years ..	..	..	1	..	2	4	2	1	..	5	5	10
	{ Above 5 years ..	..	..	1	..	..	2	1	..	1	3	2	5
North Toxteth..	{ Below 5 years ..	..	1	..	1	1	..	..	..	..	2	1	3
	{ Above 5 years ..	..	..	1	..	1	..	..	..	1	..	3	3
South Toxteth..	{ Below 5 years ..	..	1	..	..	..	..	..	..	..	1	..	1
	{ Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..	..
Hospitals ..	{ Below 5 years ..	..	1	2	8	2	3	2	..	4	12	10	22
	{ Above 5 years ..	..	1	2	3	1	1	..	..	1	5	4	9
City ..	{ Below 5 years ..	..	10	6	11	7	12	7	8	9	41	29	70
	{ Above 5 years ..	..	3	7	4	2	6	4	2	6	15	19	34

OTHER ZYMOTICS.

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

WARDS.			QUARTERS.								YEAR.		
			March		June.		Sept.		Dec.				
			M	F.	M	F.	M	F.	M	F.	M	F.	Total.
Scotland	..	{ Below 5 years ..	2	..	1	1	3	2	..	2	6	5	11
		{ Above 5 years ..	2	2	..	..	..	..	1	..	3	2	5
Vauxhall	..	{ Below 5 years ..	1	..	..	..	1	..	..	..	2	..	2
		{ Above 5 years ..	..	..	2	..	..	2	..	..	2	2	4
St. Paul's	..	{ Below 5 years ..	..	..	..	..	1	..	..	..	1	..	1
		{ Above 5 years ..	..	..	1	..	..	..	..	..	1	..	1
Exchange	..	{ Below 5 years ..	..	..	..	..	..	..	1	..	1	..	1
		{ Above 5 years ..	..	..	1	..	1	1	..	..	2	1	3
St. Anne's	..	{ Below 5 years ..	..	..	1	1	2	..	..	..	3	1	4
		{ Above 5 years ..	..	..	..	..	1	..	1	..	2	..	2
Lime Street	..	{ Below 5 years ..	..	..	..	1	..	..	1	..	1	1	2
		{ Above 5 years ..	..	1	1	..	..	..	1	..	1	2	3
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 ..	1	2	..	..	2	..	..	1	3	3	6
		{ Above 5 years ..	..	..	..	..	1	..	..	..	1	..	1
Great George	..	{ Below 5 years ..	1	..	..	..	1	..	..	..	2	..	2
		{ Above 5 years ..	..	..	1	..	2	..	..	..	3	..	3
Rodney Street..	..	{ Below 5 years ..	..	..	..	..	1	..	1	..	2	..	2
		{ Above 5 years ..	..	1	..	1	..	..	..	..	..	2	2
Abercromby	..	{ Below 5 years ..	..	..	1	..	..	..	..	..	1	..	1
		{ Above 5 years ..	..	..	..	..	..	..	..	2	..	2	2
Everton	..	{ Below 5 years ..	2	1	..	1	2	4	1	3	5	9	14
		{ Above 5 years ..	2	2	3	1	..	1	2	3	7	7	14
Kirkdale	..	{ Below 5 years ..	1	3	..	1	2	..	2	..	5	4	9
		{ Above 5 years ..	..	1	..	..	1	1	2	..	3	2	5
West Derby	..	{ Below 5 years ..	2	1	..	1	2	1	1	..	5	3	8
		{ Above 5 years ..	1	..	..	1	1	2	1	..	3	3	6
North Toxteth	..	{ Below 5 years ..	2	3	1	1	1	..	1	3	5	7	12
		{ Above 5 years ..	1	1	1	3	1	..	3	..	6	4	10
South Toxteth	..	{ Below 5 years ..	3	3	1	..	4	3	1	2	9	8	17
		{ Above 5 years ..	1	2	1	1	..	1	1	2	3	6	9
Workhouses and Hospitals	..	{ Below 5 years ..	1	..	..	..	2	..	..	1	3	1	4
		{ Above 5 years ..	5	6	..	3	3	..	4	2	12	11	23
City	..	{ Below 5 years ..	16	13	5	7	24	10	9	12	54	42	96
		{ Above 5 years ..	12	17	11	10	11	8	15	10	49	45	94

TUBERCULAR DISEASES.

This group of diseases includes Phthisis, Scrofula, Tabes Mesenterica, and Hydrocephalus. They occasioned 1,678 deaths in the City of Liverpool during the year 1890. (The average number of deaths for the preceding ten years was 1,820.) The death-rate was 2·7 per 1,000 of the estimated population; their percentage death-rate relatively to deaths from all causes was 11·7.

PHTHISIS.

The deaths from Phthisis amounted to 1,180, the average number for the preceding ten years being 1,276.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	..	{ Below 5 years	..	..	..	1	..	2	..	..	..	3	3
		{ Above 5 years	10	8	10	6	12	11	14	12	46	37	83
Vauxhall	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	8	3	2	4	..	1	2	5	12	13	25
St. Paul's	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	2	2	2	..	..	2	2	2	6	6	12
Exchange	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	2	..	4	..	..	1	1	..	7	1	8
St. Anne's	..	{ Below 5 years	..	..	1	..	..	..	..	..	1	..	1
		{ Above 5 years	3	5	5	2	4	5	4	7	16	19	35
Lime Street	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	3	..	5	1	3	1	..	..	11	2	13
Castle Street	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	1	..	3	..	..	2	1	2	5	4	9
Pitt Street	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	1	..	3	3	..	3	1	..	5	6	11
Great George	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	3	2	5	3	3	1	2	2	13	8	21
Rodney Street..	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	2	7	1	5	4	2	2	4	9	18	27
Abercromby	..	{ Below 5 years	..	..	..	..	..	..	..	..	..	..	..
		{ Above 5 years	4	4	2	1	6	2	6	2	18	9	27
Everton..	..	{ Below 5 years	5	2	1	2	4	..	1	..	11	4	15
		{ Above 5 years	27	16	24	23	13	19	24	24	88	82	170
Kirkdale	..	{ Below 5 years	..	..	..	..	2	..	2	..	4	..	4
		{ Above 5 years	11	12	17	5	12	13	11	10	51	40	91
West Derby	..	{ Below 5 years	1	..	1	..	..	2	2	..	4	2	6
		{ Above 5 years	26	14	18	20	11	18	18	14	73	66	139
North Toxteth..	..	{ Below 5 years	..	..	..	1	..	1	..	2	..	..	4
		{ Above 5 years	12	19	11	13	17	16	13	17	53	62	115
South Toxteth..	..	{ Below 5 years	..	..	..	1	1	1	..	..	1	2	3
		{ Above 5 years	4	5	8	10	5	7	9	8	26	30	56
Workhouses and Hospitals	..	{ Below 5 years	..	1	1	..	..	..	..	..	1	1	2
		{ Above 5 years	74	34	47	23	32	21	41	28	194	106	300
City	..	{ Below 5 years	6	3	4	5	7	6	5	2	22	16	38
		{ Above 5 years	193	131	167	116	122	125	151	137	633	509	1142

DEATHS FROM THE OTHER TUBERCULAR DISEASES.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.		M	F.	Total.
			M.	F.	M.	F.	M.	F.	M.	F.			
Scotland	{	Below 5 years ..	3	4	5	6	9	10	8	4	25	24	49
	{	Above 5 years ..	1	..	2	1	1	3	..	2	4	6	10
Vauxhall	{	Below 5 years ..	1	2	1	..	1	2	..	3	3	7	10
	{	Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
St. Paul's	{	Below 5 years ..	..	..	..	..	1	1	..	1	1	2	3
	{	Above 5 years ..	..	..	..	..	..	1	..	..	..	1	1
Exchange	{	Below 5 years ..	2	..	..	..	..	1	3	..	5	1	6
	{	Above 5 years ..	..	..	..	..	1	..	..	..	1	..	1
St. Anne's	{	Below 5 years ..	1	2	1	..	7	1	1	..	10	3	13
	{	Above 5 years ..	1	1	2	..	..	..	..	..	3	1	4
Line Street	{	Below 5 years ..	..	..	1	..	2	1	..	..	3	1	4
	{	Above 5 years ..	..	..	1	..	..	..	..	..	1	..	1
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 ..	..	1	..	1	..	..	1	..	1	2	3
	{	Above 5 years ..	..	..	..	..	..	..	..	..	..	..	..
Great George ..	{	Below 5 years ..	..	..	..	2	..	..	1	1	1	3	4
	{	Above 5 years ..	2	..	1	1	..	..	1	..	4	1	5
Rodney Street..	{	Below 5 years ..	1	1	2	..	1	2	2	..	6	3	9
	{	Above 5 years ..	1	..	..	..	..	2	..	..	1	2	3
Abercromby	{	Below 5 years ..	3	1	..	..	..	..	..	1	3	2	5
	{	Above 5 years ..	..	..	1	2	1	2	..	..	2	4	6
Everton	{	Below 5 years ..	7	9	10	8	13	13	6	5	36	35	71
	{	Above 5 years ..	5	1	2	3	1	2	5	1	13	7	20
Kirkdale	{	Below 5 years ..	3	3	6	3	9	9	6	9	24	24	48
	{	Above 5 years ..	3	..	..	1	1	2	..	2	4	5	9
West Derby	{	Below 5 years ..	5	3	3	11	16	16	10	7	34	37	71
	{	Above 5 years ..	1	2	4	3	2	1	3	1	10	7	17
North Toxteth ..	{	Below 5 years ..	6	1	6	..	6	4	4	7	22	12	34
	{	Above 5 years ..	1	..	1	2	4	..	..	3	6	5	11
South Toxteth ..	{	Below 5 years ..	4	1	3	4	5	2	6	2	18	9	27
	{	Above 5 years ..	1	..	1	1	..	..	..	..	2	1	3
Workhouses and Hospitals ..	{	Below 5 years ..	4	..	7	..	1	2	2	1	14	3	17
	{	Above 5 years ..	7	..	7	3	7	3	4	1	25	7	32
City	{	Below 5 years ..	40	28	45	35	71	64	50	41	206	168	374
	{	Above 5 years ..	23	5	22	17	18	16	13	10	76	48	124

Mr. Hartnup has kindly supplied the following Meteorological Table :—

LIVERPOOL OBSERVATORY.

DATE—1890.					Mean Barometer.	Mean Temperature.	Rainfall on Ground.
					Inches.	°	Inches.
January	..	..	..	..	29·782	43·4	2·919
February	..	..	..	..	30·226	37·9	0·565
March	..	..	..	..	29·782	44·1	1·611
April	..	..	..	..	29·835	45·9	1·151
May	..	..	..	..	29·824	54·3	1·649
June	..	..	..	..	29·957	57·1	2·889
July	..	..	..	..	29·869	58·6	2·148
August	..	..	..	..	29·851	57·9	4·522
September	..	..	..	..	30·093	59·6	1·475
October	..	..	..	..	30·064	50·9	2·007
November	..	..	..	..	29·816	43·8	5·035
December	..	..	..	..	30·053	32·2	0·849
YEAR 1890	..	..	..	..	29·929	48·8	26·820
„ 1889	..	..	..	..	29·947	48·3	27·373

SANITARY WORK.

Privies Certified by the Medical Officer of Health to be nuisances and injurious to health, and ordered by the Corporation to be converted into Water Closets during the year 1890.

WARDS										No. of Privies Certified.
Scotland	..	..	..	..	..	..	..	..	..	1
St. Anne's	..	..	..	..	..	..	..	..	..	1
Lime Street	..	..	..	..	..	..	..	..	..	1
Rodney Street	..	..	..	..	..	..	..	..	..	1
Abercromby	..	..	..	..	..	..	..	..	..	2
Everton	..	..	..	..	..	..	..	..	..	3
Kirkdale	..	..	..	..	..	..	..	..	..	2
West Derby	..	..	..	..	..	..	..	..	..	5
TOTAL..										16

OFFENSIVE TRADES.

Applications for permission to carry on the following offensive trades were made during the year, and a report by the Medical Officer of Health on each application was submitted to the Health Committee.

Premises.	Business.	Granted.	Refused.	Date.
No. 14, Pumpfields, Vauxhall Road	Gut Scraping	1	—	22nd Mar.
No. 16, Pumpfields, Vauxhall Road	Tripe Dressing and Boiling, Boiling of Fat and Marrow Bones, and Storage of Bones	—	1	31st May.
No. 16, Pumpfields, Vauxhall Road	Tripe Dressing	1	—	14th June.
No. 143, Vauxhall Road	Gut Cleansing	1	—	10th July.

SLAUGHTERHOUSE TRANSFER.

Premises.	Refused.	Date.
184, Scotland Road	1	8th March.

LIVERPOOL SANITARY AMENDMENT ACT, 1864.

TENTH PRESENTMENT.

On the 28th of February the Medical Officer of Health delivered a Report to the Town Clerk in accordance with the above Act, specifying a number of houses which, in his opinion, ought to be demolished. This Report was laid before the Council on the 5th March, and it was resolved that a copy should be sent to the Clerk of the Peace, to be placed before the Grand Jury at the next Quarter Sessions.

On the 21st day of April the Grand Jury considered the Report, and having taken evidence for and against it, a deputation of their body with the Foreman visited the various properties, and then made a presentment that the various houses should be demolished in accordance with the Medical Officer's Report, being unfit for human habitation.

The houses were situated back to back, either in courts from seven to eleven feet wide, or immediately abutting on such courts, and could not be ventilated, sunlight never entered them, and for years had been notorious for a high death rate.

TENTH PRESENTMENT.

The court known as No. 3 court in PRINCE WILLIAM STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3, 4, 6, 7, 10, and 11 in the said No. 3 court.

The court known as No. 5 court in PRINCE WILLIAM STREET aforesaid.
The dwelling-houses numbered 1, 2, 3, 4, and 5 in the said No. 5 court.

The court known as No. 11 court in PRINCE WILLIAM STREET aforesaid.
The dwelling-houses numbered 1, 2, 3, 4, and 5 in the said No. 11 court.

The court known as No. 13 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1, 2, and 3 in the said No. 13 court.

The dwelling-houses numbered 39, 41, 43, and 45 in PRINCE WILLIAM STREET aforesaid, contiguous to No. 13 court in the said street.

The court known as No. 2 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, and 7 in the said No. 2 court.

The court known as No. 4 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, and 4 in the said No. 4 court.

The dwelling-houses numbered 24 and 26 in PRINCE WILLIAM STREET aforesaid, contiguous to No. 4 court in the said street.

The court known as No. 6 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, and 4 in the said No. 6 court.

The dwelling-houses numbered 32 and 34 in PRINCE WILLIAM STREET aforesaid, contiguous to No. 6 court in the said street.

The court known as No. 8 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1 and 2 in the said No. 8 court.

The dwelling-houses numbered 36 and 38 in PRINCE WILLIAM STREET aforesaid, contiguous to No. 8 court in the said street.

The court known as No. 10 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, and 4 in the said No. 10 court.

The dwelling-houses numbered 40 and 42 in PRINCE WILLIAM STREET aforesaid, contiguous to No. 10 court in the said street.

The court known as No. 12 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, and 4 in the said No. 12 court.

The dwelling-houses numbered 44 and 46 in PRINCE WILLIAM STREET aforesaid, contiguous to No. 12 court in the said street.

The court known as No. 14 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 14 court.

The dwelling-houses numbered 48 and 50 in PRINCE WILLIAM STREET aforesaid, contiguous to No. 14 court in the said street.

The court known as No. 16 court in PRINCE WILLIAM STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 16 court.

The dwelling-houses numbered 52 and 54 PRINCE WILLIAM STREET aforesaid, contiguous to No. 16 court in the said street.

The dwelling-houses numbered 28, 53, 55 and 57, in PRINCE WILLIAM STREET aforesaid.

The court known as No. 1 court in WARWICK STREET, in the City of Liverpool.

The dwelling-houses numbered 1 and 2 in the said No. 1 court.

The dwelling-house numbered 59 in WARWICK STREET aforesaid, contiguous to No. 1 court in the said street.

The court known as No. 2 court in WARWICK STREET aforesaid.

The dwelling-houses numbered 1, 3, 4, 5, 6, 7 and 8 in the said No. 2 court.

The dwelling-house numbered 76 in WARWICK STREET aforesaid, contiguous to No. 2 court in the said street.

The dwelling-houses numbered 1 and 3 in DARNLEY STREET, in the City aforesaid, contiguous to No. 2 court in Warwick Street.

The court known as No. 4 court in WARWICK STREET aforesaid.

The dwelling-houses numbered 2, 4, 6 and 8 in the said No. 4 court.

The dwelling-house numbered 78 in WARWICK STREET aforesaid, contiguous to No. 4 court in the said street.

The court known as No. 15 court in DARNLEY STREET, in the City of Liverpool.

The dwelling-houses numbered 2, 4, 6, 8 and 10 in the said No. 15 court.

The court known as No. 2 court in DARNLEY STREET aforesaid.

The dwelling-houses numbered 2, 4 and 6 in the said No. 2 Court.

The dwelling-houses numbered 8 and 10 in DARNLEY STREET aforesaid, contiguous to No. 2 court in the said street.

The court known as No. 18 court in DARNLEY STREET aforesaid.

The dwelling-houses numbered 1, 3 and 5 in the said No. 18 court.

The dwelling-house numbered 46 in DARNLEY STREET aforesaid, contiguous to No. 18 court in the said street.

The court known as number 20 court in DARNLEY STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 20 court.

The dwelling-houses numbered 48 and 50 in DARNLEY STREET aforesaid, contiguous to No. 20 court in the said street.

The court known as number 22 court in DARNLEY STREET aforesaid.

The dwelling-houses numbered 2, 4, and 6 in the said No. 22 court.

The dwelling-houses numbered 52 in DARNLEY STREET aforesaid, contiguous to No. 22 court in the said street.

The dwelling-house numbered 49 in DARNLEY STREET aforesaid.

The court known as No. 12 court in SHAFTESBURY STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 12 court.

The dwelling-houses numbered 28 and 30 in SHAFTESBURY STREET aforesaid, contiguous to No. 12 court in the said street.

The court known as No. 15 court in UPPER MANN STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 15 court.

The dwelling-house numbered 47 in UPPER MANN STREET aforesaid, contiguous to No. 15 court in the said street.

The court known as No. 17 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1 and 2 in the said No. 17 court.

The dwelling-house numbered 49 in UPPER MANN STREET aforesaid, contiguous to No. 17 court in the said street.

The dwelling-house numbered 2 in CHAPMAN STREET, in the City aforesaid, contiguous to No. 17 court in UPPER MANN STREET.

The court known as No. 19 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 19 court.

The dwelling-houses numbered 51 and 53 in UPPER MANN STREET aforesaid, contiguous to No. 19 court in the said street.

The dwelling-houses numbered 4 and 6 in CHAPMAN STREET, in the City aforesaid, contiguous to No. 19 court in UPPER MANN STREET.

The court known as No. 21 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 21 court.

The dwelling-houses numbered 55 and 57 in UPPER MANN STREET aforesaid, contiguous to No. 21 court in the said street.

The dwelling-houses numbered 8 and 10 in CHAPMAN STREET in the City aforesaid, contiguous to No. 21 court in UPPER MANN STREET,

The court known as No. 23 court in UPPER MANN STREET aforesaid.
 The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 20 court.
 The dwelling-houses numbered 59 and 61 in UPPER MANN STREET aforesaid, contiguous to No. 23 court in the said street.
 The dwelling-houses numbered 12, 14 and 16 in CHAPMAN STREET in the City aforesaid, contiguous to No. 23 court in UPPER MANN STREET.

The court known as No. 25 court in UPPER MANN STREET aforesaid.
 The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 25 court.
 The dwelling-houses numbered 63 and 65 UPPER MANN STREET aforesaid, contiguous to No. 25 court in the said street.
 The dwelling-houses numbered 18 and 20 in CHAPMAN STREET, in the City aforesaid, contiguous to No. 25 court in UPPER MANN STREET.

The court known as No. 27 court in UPPER MANN STREET aforesaid.
 The dwelling-houses numbered 1, 2 and 3 in the said No. 27 court.
 The dwelling-houses numbered 67 and 69 in UPPER MANN STREET aforesaid, contiguous to No. 27 court in the said street.
 The dwelling-houses numbered 22 and 24 in CHAPMAN STREET, in the City aforesaid, contiguous to No. 27 court in UPPER MANN STREET.

The court known as No. 29 court in UPPER MANN STREET aforesaid.
 The dwelling-house numbered 1 in the said No. 29 court.
 The dwelling-houses numbered 71 and 73 in UPPER MANN STREET aforesaid, contiguous to No. 29 court in the said street.
 The dwelling-houses numbered 26 and 28 in CHAPMAN STREET, in the City aforesaid, contiguous to No. 29 court in UPPER MANN STREET.

The court known as No. 37 court in UPPER MANN STREET aforesaid.
 The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 37 court.
 The dwelling-houses numbered 89 and 91 in UPPER MANN STREET aforesaid, contiguous to No. 37 court in the said street,

The court known as No. 39 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 39 court.

The dwelling-houses numbered 93 and 95 in UPPER MANN STREET aforesaid, contiguous to No. 39 court in the said Street.

The court known as No. 41 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 41 court.

The dwelling-houses numbered 97 and 99 in UPPER MANN STREET aforesaid, contiguous to No. 41 court in the said street.

The court known as No. 43 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2 and 3 in the said No. 43 court.

The dwelling-house numbered 101 in UPPER MANN STREET aforesaid, contiguous to No. 43 court in the said street.

The court known as No. 47 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 47 court.

The dwelling-houses numbered 127 and 129 in UPPER MANN STREET aforesaid, contiguous to No. 47 court in the said street

The court known as No. 51 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 51 court.

The dwelling-houses numbered 145 and 147 in UPPER MANN STREET aforesaid, contiguous to No. 51 court in the said street.

The court known as No. 53 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 53 court.

The dwelling-houses numbered 149, 151 and 153 in UPPER MANN STREET aforesaid, contiguous to No. 53 court in the said street.

The dwelling-houses numbered 1, 3 and 5 in TRESTA STREET in the City aforesaid, contiguous to No. 53 court in UPPER MANN STREET.

The court known as No. 55 court in UPPER MANN STREET aforesaid.
 The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 55 court.
 The dwelling-house numbered 157 in UPPER MANN STREET aforesaid,
 contiguous to No. 55 court in the said street.

The dwelling-houses numbered 2, 4, 6 and 8 in TRESTA STREET, and
 the dwelling-house numbered 50 in ROBERTSON STREET in the City
 aforesaid, contiguous to No. 55 court in UPPER MANN STREET.

The dwelling-houses numbered 75, 117, 119 and 121 in UPPER MANN
 STREET aforesaid.

The court known as No. 6 court in ROBERTSON STREET, in the City of
 Liverpool.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 6 court.

The dwelling-houses numbered 38 and 40 in ROBERTSON STREET
 aforesaid, contiguous to No. 6 court in the said street.

The dwelling-houses numbered 2, 4, 6, 8, 10, 12, 14, 46 and 48 in
 ROBERTSON STREET aforesaid.

The court known as No. 2 court in CAREY STREET, in the City of
 Liverpool.

The dwelling-house numbered 1 in the said No. 2 court.

The dwelling-houses numbered 2 and 4 in CAREY STREET aforesaid,
 contiguous to No. 2 court in the said street.

The dwelling-houses numbered 6, 8 and 10 in CAREY STREET afore-
 said.

The court known as No. 1 court in ABSTINENCE STREET, in the City of
 Liverpool.

The dwelling-house numbered 1 in the said No. 1 court.

The dwelling-houses numbered 1 and 3 in ABSTINENCE STREET afore-
 said, contiguous to No. 1 court in the said street.

The dwelling-houses numbered 5, 7, 9, 2, 4, 6 and 8 in ABSTINENCE STREET aforesaid.

The court known as No. 1 court in CHAPMAN STREET in the City of Liverpool.

The dwelling-houses numbered 1, 2, and 4 in the said No. 1 court.

The dwelling-houses numbered 1 and 3 in CHAPMAN STREET aforesaid, contiguous to No. 1 court in the said street.

The court known as No. 3 court in CHAPMAN STREET aforesaid.

The dwelling-houses numbered 1, 2, and 3 in the said No. 3 court.

The dwelling-houses numbered 5 and 7 in CHAPMAN STREET aforesaid, contiguous to No. 3 court in the said street.

The court known as No. 5 court in CHAPMAN STREET aforesaid.

The dwelling-houses numbered 1 and 2 in the said No. 5 court.

The dwelling-houses numbered 9 and 11 in CHAPMAN STREET aforesaid, contiguous to No. 5 court in the said street.

The court known as No. 7 court in CHAPMAN STREET aforesaid.

The dwelling-house numbered 1 in the said No. 7 court.

The dwelling-houses numbered 13 and 15 in CHAPMAN STREET aforesaid, contiguous to No. 7 court in the said street.

The court known as No. 9 court in CHAPMAN STREET aforesaid.

The dwelling-houses numbered 1, 2 and 3 in the said No. 9 court.

The dwelling-houses numbered 19 and 21 in CHAPMAN STREET aforesaid, contiguous to No. 9 court in the said street.

The court known as No. 13 court in CHAPMAN STREET aforesaid.

The dwelling-houses numbered 1, 2 and 3 in the said No. 13 court.

The dwelling-house numbered 29 in CHAPMAN STREET aforesaid, contiguous to No. 13 court in the said street.

The dwelling-house numbered 13 in LANGLEY STREET, in the City of Liverpool.

The dwelling-house numbered 7 in TRESTA STREET, in the City of Liverpool.

The dwelling-house numbered 5 in PROVIDENCE STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 3, 5, 7, 2, 4, 6 and 8 in PROBY STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 3, 5, 7, 2, 4, 6 and 8 in FENTON STREET, in the City of Liverpool.

The court known as No. 1 court in DUCKINFIELD STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 1 court.

The dwelling-houses numbered 7 and 9 in DUCKINFIELD STREET aforesaid, contiguous to No. 1 court in the said street.

The court known as No. 5 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 5 court.

The dwelling-houses numbered 15 and 17 in DUCKINFIELD STREET aforesaid, contiguous to No. 5 court in the said street.

The court known as No. 7 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 7 court.

The dwelling-houses numbered 19 and 21 in DUCKINFIELD STREET aforesaid, contiguous to No. 7 court in the said street.

The court known as No. 9 court in DUCKINFIELD STREET aforesaid.
The dwelling-houses numbered 4 and 6 in the said No 9 court.

The court known as No. 11 court in DUCKINFIELD STREET aforesaid.
The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 11 court.

The dwelling-houses numbered 27 and 29 in DUCKINFIELD STREET aforesaid, contiguous to No. 11 court in the said street.

The court known as No. 13 court in DUCKINFIELD STREET aforesaid.
The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 13 court.

The dwelling-houses numbered 31 and 33 in DUCKINFIELD STREET aforesaid, contiguous to No. 13 court in the said street.

The court known as No. 15 court in DUCKINFIELD STREET aforesaid.
The dwelling-houses numbered 1, 2, 3, 4 and 5 in the said No. 15 court.

The dwelling-houses numbered 35 and 37 in DUCKINFIELD STREET aforesaid, contiguous to No. 15 court in the said street.

The court known as No. 17 court in DUCKINFIELD STREET aforesaid.
The dwelling-houses numbered 1, 2 and 3 in the said No. 17 court.
The dwelling-house numbered 39 in DUCKINFIELD STREET aforesaid, contiguous to No. 17 court in the said street.

The court known as No. 2 court in DUCKINFIELD STREET aforesaid.
The dwelling-houses numbered 4 and 5 in the said No. 2 court.

The court known as No. 4 court in DUCKINFIELD STREET aforesaid.
The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 4 court.
The dwelling-houses numbered 6 and 8 in DUCKINFIELD STREET aforesaid, contiguous to No. 4 court in the said street,

The court known as No. 6 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 6 court.

The dwelling-houses numbered 10 and 12 in DUCKINFIELD STREET aforesaid, contiguous to No. 6 court in the said street.

The court known as No. 8 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 8 court.

The dwelling-houses numbered 14 and 16 in DUCKINFIELD STREET aforesaid, contiguous to No. 8 court in the said street.

The court known as No. 10 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 10 court.

The dwelling-houses numbered 18 and 20 in DUCKINFIELD STREET aforesaid, contiguous to No. 10 court in the said street.

The court known as No. 12 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 12 court.

The dwelling-houses numbered 22 and 24 in DUCKINFIELD STREET aforesaid, contiguous to No. 12 court in the said street.

The court known as No. 14 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, and 4 in the said No. 14 court.

The dwelling-houses numbered 26 and 28 in DUCKINFIELD STREET aforesaid, contiguous to No. 14 court in the said street.

The court known as No. 16 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 16 court.

The dwelling-houses numbered 30 and 32 in DUCKINFIELD STREET aforesaid, contiguous to No. 16 court in the said street.

The court known as No. 18 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 18 court.

The dwelling-houses numbered 34 and 36 in DUCKINFIELD STREET aforesaid, contiguous to No. 18 court in the said street.

The court known as No. 20 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 20 court.

The dwelling-houses numbered 38 and 40 in DUCKINFIELD STREET aforesaid, contiguous to No. 20 court in the said street.

The court known as No. 22 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1 and 2 in the said No. 22 court.

The dwelling-house numbered 42 in DUCKINFIELD STREET aforesaid, contiguous to No. 22 court in the said street.

The court known as No. 24 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1 and 2 in the said No. 24 court.

The dwelling-house numbered 48 in DUCKINFIELD STREET aforesaid, contiguous to No. 24 court in the said street.

The court known as No. 26 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 26 court.

The dwelling-houses numbered 50 and 52 in DUCKINFIELD STREET aforesaid, contiguous to No. 26 court in the said street.

The court known as No. 28 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 28 court.

The dwelling-houses numbered 54 and 56 in DUCKINFIELD STREET aforesaid, contiguous to No. 28 court in the said street.

The court known as No. 30 court in DUCKINFIELD STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4 and 5 in the said No. 30 court.

The dwelling-houses numbered 58 and 60 in DUCKINFIELD STREET aforesaid, contiguous to No. 30 court in the said street.

The dwelling-houses numbered 43, 51, 53, 55, 57, 59 and 62 in DUCKINFIELD STREET aforesaid.

The court known as No. 1 court in ST. ANDREW STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 3, 4, 5 and 6 in the said No. 1 court.

The dwelling-houses numbered 7, 9 and 11 in ST. ANDREW STREET aforesaid, contiguous to No. 1 court in the said street.

The court known as No. 3 court in ST. ANDREW STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 3 court.

The dwelling-house numbered 21 in ST. ANDREW STREET aforesaid, contiguous to No. 3 court in the said street.

The court known as No. 9 court in ST. ANDREW STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 9 court.

The dwelling-house numbered 47 in ST. ANDREW STREET aforesaid, contiguous to No. 9 court in the said street.

The court known as No. 11 court in ST. ANDREW STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 in the said No. 11 court.

The dwelling-houses numbered 51 and 53 in ST. ANDREW STREET aforesaid, contiguous to No. 11 court in the said street.

The court known as No. 13 court in ST. ANDREW STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 in the said No. 13 court.

The dwelling-houses numbered 55 and 57 in ST. ANDREW STREET aforesaid, contiguous to No. 13 court in the said street.

The court known as No. 20 court in ST. ANDREW STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, 7 and 8 in the said No. 20 court.

The dwelling-houses numbered 66 and 70 in ST. ANDREW STREET aforesaid, contiguous to No. 20 court in the said street.

The court known as No. 1 court in DANSIE STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 3, 5 and 7 in the said No. 1 court.

The court known as No. 10 court in COPPERAS HILL, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 10 court.

The dwelling-houses numbered 1, 3 and 5 in ST. ANDREW STREET, in the City aforesaid, contiguous to No. 10 court in COPPERAS HILL.

Under the provisions of the above Act, the Medical Officer of Health delivered to the Town Clerk various Reports during the year, certifying that the following premises were unfit for human habitation, and ought to be demolished. These Reports were laid before the City Council, and referred to the Insanitary Property Committee to be dealt with :—

The court known as No. 7 court in CHAPMAN STREET, in the City of Liverpool.

The dwelling-houses numbered 2 and 3 in the said No. 7 court.

The dwelling-house numbered 17 in CHAPMAN STREET aforesaid, contiguous to No. 7 court in the said street.

The court known as No. 11 court in CHAPMAN STREET aforesaid.

The dwelling-houses numbered 1, 2 and 3 in the said No. 11 court.

The dwelling-houses numbered 23, 25 and 27 in CHAPMAN STREET aforesaid, contiguous to No. 11 court in the said street.

The court known as No. 15 court in CHAPMAN STREET aforesaid.

The dwelling-house numbered 1 in the said No. 15 court.

The dwelling-houses numbered 35, 37 and 39, in CHAPMAN STREET aforesaid, contiguous to No. 15 court in the said street.

The court known as No. 17 court in CHAPMAN STREET aforesaid.

The dwelling-house numbered 1 in the said No. 17 court.

The dwelling-houses numbered 41 and 43 in CHAPMAN STREET aforesaid, contiguous to No. 17 court in the said street.

The dwelling-houses numbered 43 and 45 in UPPER MANN STREET, in the said City.

The court known as No. 31 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1 and 2 in the said No. 31 court.

The dwelling-houses numbered 77 and 79 in UPPER MANN STREET aforesaid, contiguous to No. 31 court in the said street.

The dwelling-houses numbered 2, 4 and 6 in PROVIDENCE STREET, and the dwelling-house numbered 30 in CHAPMAN STREET, in the City aforesaid, contiguous to No. 31 court in UPPER MANN STREET.

The court known as No. 33 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 33 court.

The dwelling-houses numbered 81 and 83 in UPPER MANN STREET aforesaid, contiguous to No. 33 court in the said street.

The dwelling-houses numbered 32, 34 and 36 in CHAPMAN STREET, in the City aforesaid, contiguous to No. 33 court in UPPER MANN STREET.

The court known as No. 35 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 35 court.

The dwelling-house numbered 85 and 87 in UPPER MANN STREET aforesaid, contiguous to No. 35 court in the said street.

The court known as No. 45 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, 7 and 8 in the said No. 45 court.

The dwelling-houses numbered 123 and 125 in UPPER MANN STREET aforesaid, contiguous to No. 45 court in the said street.

The dwelling-houses numbered 16 and 18 in ROBERTSON STREET, in the City aforesaid, contiguous to No. 45 court in UPPER MANN STREET.

The court known as No. 49 court in UPPER MANN STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, 7 and 8 in the said No. 49 court.

The dwelling-houses numbered 131, 133, 135, 137, 139, 141 and 143 in UPPER MANN STREET aforesaid, contiguous to No. 49 court in the said street.

The court known as No. 2 court in ROBERTSON STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 2 court.

The dwelling-houses numbered 20 and 22 in ROBERTSON STREET aforesaid, contiguous to No. 2 court in the said street.

The court known as No. 4 court in ROBERTSON STREET aforesaid.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, 7, 8 and 9 in the said No. 4 court.

The dwelling-houses numbered 24, 26, 28, 30, 32, 34 and 36 in ROBERTSON STREET aforesaid, contiguous to No. 4 court in the said street.

The dwelling-houses numbered 18, 20 and 22 in PRINCE WILLIAM STREET, in the City of Liverpool.

The court known as No. 4 court in CAREY STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3 and 4 in the said No. 4 court.

The dwelling-house numbered 57 and 57A in WARWICK STREET, in the City of Liverpool.

The court known as No. 14 court in BRINDLEY STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 3, 5, and 7 in the said No. 14 court.

The court known as No. 8 court in CHAUCER STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 in the said No. 8 court.

The dwelling-houses numbered 18 and 20 in CHAUCER STREET aforesaid, contiguous to No. 8 court in the said street.

The court known as No. 1 court in ROSE PLACE, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 and 17 in the said No. 1 court.

The court known as No. 7 court in STOCKDALE STREET, in the City of Liverpool.

The dwelling-house numbered 3 in the said No. 7 court.

The dwelling-house (not numbered) at the rear of No. 23 STOCKDALE STREET aforesaid, and in the said No. 7 court.

The dwelling-houses numbered 17 and 23 in STOCKDALE STREET aforesaid, contiguous to No. 7 court in the said street.

The court known as No. 7 court in FORD STREET, in the City of Liverpool.

The dwelling-houses numbered 1, 2, 3, 4, 5 and 6 in the said No. 7 court.

The dwelling-houses numbered 22 and 23 in FORD STREET aforesaid, contiguous to No. 7 court in the said street.

The dwelling-house numbered 41 in FORD STREET aforesaid.

The total number of insanitary houses dealt with in 1890 was 688, comprising 533 in the 10th Presentment and 155 in various other reports.

The City Engineer has kindly supplied the following tables :—

INSANITARY PROPERTY.

Insanitary Property purchased 1890.				Insanitary Property demolished 1890.				
No. of houses included in ninth presentment.	No. of houses included in tenth presentment.	No. of houses purchased by Insanitary Property Committee included in presentments referred by Council to Committee.	Total.	No. of houses included in eighth presentment.	No. of houses included in ninth presentment.	No. of houses included in tenth presentment.	No. of houses demolished by Insanitary Property Committee included in presentments referred by Council to Committee.	Total.
52	210	146	408	4	53	27	124	208

NUMBER OF HOUSES ERECTED AND NUMBER OF HOUSES TAKEN DOWN DURING THE YEAR 1890.

WARDS.							Houses Erected.	Houses taken down.
1	Everton and Kirkdale..	..	..	..	..	..	73	17
2	Scotland ..	..	..	..	..	..	97	34
3	Vauxhall ..	..	..	..	..	..	..	44
4	St. Paul's ..	..	..	..	..	..	1	34
5	Exchange ..	..	..	..	..	..	..	7
6	Castle Street ..	..	..	..	..	..	..	..
7	St. Peter's ..	..	..	..	..	..	..	6
8	Pitt Street ..	..	..	..	..	..	..	76
9	Great George ..	..	..	..	..	..	..	1
10	Rodney ..	..	..	..	..	..	2	44
11	Abercromby ..	..	..	..	..	..	..	5
12	Lime Street ..	..	..	..	..	..	..	7
13	St. Anne's ..	..	..	..	..	..	..	..
14	West Derby ..	..	..	..	..	..	199	..
15	South Toxteth ..	..	..	..	..	..	69	152
16	North Toxteth ..	..	..	..	..	..	102	22
TOTALS ..							543	449

SEWER VENTILATION TO END OF 1890.

No. of 6-inch Iron Pipe Ventilating Shafts ..	886
No. of Street Ventilating Gratings ..	4,457
The length of Old Sewers Ventilated ..	180 miles

NOTE.—All New Sewers are ventilated as constructed.

THE STAFF OF INSPECTORS UNDER THE MEDICAL OFFICER OF HEALTH.

The inspection and registering of lodging houses, sub-let houses, canal boats, and bakehouses are carried out under the special directions of the Medical Officer, as well as the disinfection of infected houses, the granting of licenses for keeping cattle, and the registration of dairies, cowsheds and milk shops. For these purposes the Medical Officer has a staff consisting of one Chief Inspector, ten Inspectors for lodging houses, one for canal boats, one for bakehouses, two for disinfection, and one for milk shops.

The constant supervision of lodging houses is equally as necessary to secure cleanliness as to prevent overcrowding, and for this purpose an additional clause in the bye-laws has been obtained to secure the cleansing of the floors of houses, which were found to be sadly neglected and often in a filthy condition. The enforcement of this bye-law has had a beneficial effect upon the inhabitants in rousing them from that dirty lethargic condition into which they are too apt to fall.

The following informations were laid, and small fines inflicted by the Magistrates, against the Keepers of Lodging Houses :—

Not sweeping floors.....	43
Not washing floors	24

Sub-let Houses :—

Not sweeping floors	473
Not washing floors	550

LODGING-HOUSES.

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

There were on the register 833 lodging-houses at the end of 1889, and 813 at the end of 1890. This difference was occasioned by the removal of 253 old licences, and the addition of 233 new ones. The visits to lodging-houses are both by day and night. The lodging-houses of the better class, and especially those provided with only 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 33,741, and the night visits 5,437. The number of lodging-houses found overcrowded on the night visits was 13, the number of informations laid for breaches of the bye-laws was 91, with the results of fines in 88 cases to the extent of £11 14s. 6d., in sums varying from 1s. to 5s. and and costs. The number of lodging-houses found dirty was 133; notices were served to lime-wash 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 1,119 such visits paid during the day, and in 27 of the cases where suspicion was confirmed they were followed up by night visits. A tenant harbouring lodgers is not taken before the Justice for the first offence, but is noticed to apply to have his rooms measured and licensed. There were 209 such notices issued during the year, but in only 2 cases did the tenants refuse to comply; they were brought before the Justices and fined. A bye-law requires that every case of infectious sickness in a lodging-house should be at once reported to the Medical Officer of Health. 13 cases of fever occurred in lodging-houses; 10 of the patients were at once sent to hospital, the remaining 3, being members of the keepers' families, were not removed; all of these latter died. In all cases of fever or infectious disease, the bedding was removed to the disinfecting apparatus and the rooms purified and cleansed. No lodger died from fever or small pox in a registered lodging-house; but, not including the cases of fever, there were 85 deaths from non-contagious diseases in lodging-houses, of which 57 belonged to the keepers' families and 28 were lodgers.

SEAMEN'S LICENSED LODGING HOUSES.

The Corporation have made bye-laws, with the sanction of the President of the Board of Trade, for the licensing of Seamen's Lodging Houses, under the Merchant Shipping (Fishing Boats) Act, 1883, section 48, which enacts that "The Sanitary Authority within whose district any seaport town is situate may, with the sanction of the President of the Board of Trade, from time to time, make, revoke, alter, and amend bye-laws and regulations relating to Seamen's Lodging Houses in such town, which shall be binding upon all persons and bodies keeping houses in which seamen are lodged, and the owners thereof, and persons employed therein. Such bye-laws and regulations shall, amongst other things, provide for the licensing of Seamen's Lodging Houses, the inspection of the same, the sanitary conditions of the same, the publication of the fact of a house being licensed, the due execution of the bye-laws and regulations, and the non-obstruction of persons engaged in securing such execution, the preventing of persons not duly licensed holding themselves out as keeping or purporting to keep licensed houses, and the exclusion from licensed houses of persons of improper character, and sufficient penalties for the breach of such bye-laws and regulations not exceeding in any case the sum of fifty pounds. All offences under such bye-laws and regulations shall be deemed to be offences within the Merchant Shipping Acts, 1854 to 1883, and be punishable accordingly."—And on the written application of the keeper of any registered common lodging house or registered lodging house, made in such form and stating such particulars as the Council require, the Council will, if they see fit, grant to such keeper a license authorizing him to designate his registered house a Seamen's Licensed Lodging House.

During the year 1 application was received, and a license granted; 17 of the licenses previously granted were renewed, making the number on the Register 18.

SUB-LET HOUSES.

The number registered during 1890 was 712, making the total on the Register on the 31st December, 19,730. The number of visits paid during the night was 17,042, and during the day 103,642, with the result of finding 1,649 rooms overcrowded. In addition to overcrowding, the offence (though not punishable in sub-let houses) of permitting males and females not married to occupy the same room comes under the notice, and is entered in the books of the Inspectors. There were 592 rooms thus indecently occupied by 880 males and 994 females, besides having also in these rooms 403 children between the ages of 3 and 12 years. The character of the indecent occupation may be judged of from the following facts:—In 305 instances one man and two women were found in the same bedroom; in 208 instances two men and one woman; in 37 instances two men and two women; in 16 instances one man and three women; in 10 instances three men and one woman; in 7 instances two men and three women; in 5 instances three men and two women; in 1 instance one man and four women; in 1 instance one man and five women; in 1 instance three men and three women; and in 1 instance five men and one woman.

Informations were laid against 2,326 chief tenants for breaches of the bye-laws, with the following results:—2,242 fined 1s. and 1s. costs; 40 fined 2s. 6d. and 2s. 6d. costs; 9 fined 5s. and 4s. 6d. costs; 2 fined 2s. and 1s. costs; 3 fined 2s. and 2s. costs; 5 fined 10s. and 4s. 6d. costs; and 1 fined 20s. and 4s. 6d. costs; making a total of fines levied during the year of £244 4s. 6d. Of the remaining 24 cases, 21 informations were withdrawn and 3 acquitted, the tenants having complied with the bye-laws.

BAKEHOUSES.

7,721 visits have been made to Bakehouses during the year. 614 Bakehouses were found dirty, and notices were served to limewash and cleanse them. 10 notices were served to remedy defective drains. All notices were complied with.

CANAL BOATS.

The following Report on the execution of the Canal Boats Acts, 1877 and 1884, by the Liverpool Sanitary Authority during the year 1890, was sent to the Local Government Board.

The Leeds and Liverpool Canal Company are proprietors of the only Canal having direct communication with Liverpool, and the length of the waterway within the City, exclusive of the locks which lead to the Docks, is about three miles.

The duties of measuring and inspecting the boats are discharged by Mr. Wilson, Chief Lodging-house Inspector, and Mr. Thornthwaite, Lodging-house Inspector. There is no additional salary paid them beyond that of Lodging-house Inspectors.

The number of visits and inspections of Canal Boats during the year was 4,103.

57 Boats were found to be used as dwellings, and not registered.	} 48 abated, 5 not seen since by Inspectors, and 4 not subse- quently used as dwellings.
19 Notices were sent to the owners.	
4 Informations were laid.	
31 were found without Certificates on board.	} 30 abated, and one not seen since by the Inspectors.
31 Notices were sent to the owners.	
37 were found not having the registered number painted on both sides of the boat.	} abated.
37 Notices were sent to the owners.	
1 was found without proper accommodation provided for the separation of the sexes. Notice was sent to owner.	} abated.
43 Cabins, used as dwellings, were found in a dilapidated and insanitary condition, caused by leaky decks and broken floors; 43 Notices were sent to the owners—35 abated, 2 notices not expired, and 6 not seen since by the Inspectors.	
31 had defective second bulkheads; 31 Notices were sent—29 abated, 1 notice not expired, and 1 not seen since by the Inspectors,	

43 required the cabins painting ; 43 notices were sent to owners—38 abated, 2 notices not expired, and 3 not seen since by the Inspectors.

13 had dirty cabins and required cleaning ; 9 verbal notices given to masters—abated, and 4 notices sent to owners—3 abated, and 1 notice not expired.

7 found carrying offensive cargoes and not having a second bulk-head ; 9 informations were laid and summonses issued, 7 against the masters and 2 against the mates : the two against the mates were withdrawn.

In 8 cases the Inspectors on visiting the boats between 6 and 8 a.m. found the sexes mixed, and summoned the masters.

Informations were laid in 21 cases, and in 19 instances fines were inflicted varying from 2s. 6d. and 2s. 6d. costs to 10s. and 4s. 6d. costs, and 2 were withdrawn.

There was 1 case of measles on board the boat "Jane," No. 454, during the year ; the boat, bedding, etc., were disinfected and cleansed by the master.

28 notices were sent to the School Board of children living on Canal Boats and not attending any school.

The number of boats on the register is 494, of which 178 have been re-registered, viz. :—5 in 1884, 60 in 1885, 21 in 1886, 25 in 1887, 20 in 1888, 24 in 1889, and 23 in 1890.

During the year 24 new boats were registered and 23 re-registered on account of changes of owners.

New certificates were issued to one boat, owing to structural alterations and new certificates were issued to five boats by other authorities on notice sent by the local Inspectors.

There were 55 changes of masters reported and the necessary records made on the register.

CASES OF INFECTIOUS DISEASE COMING UNDER THE NOTICE
OF THE MEDICAL OFFICER OF HEALTH DURING 1890.

Year—1890.	Fever.			Small Pox.	Scarlatina.	Measles.	Diphtheria	TOTAL.
	Typhus.	Typhoid.	Simple.					
January	4	37	5	..	186	308	17	557
February	6	19	..	..	138	392	18	573
March ..	2	29	1	..	108	461	11	612
April ..	4	15	5	..	143	411	12	590
May ..	3	37	8	..	161	627	19	855
June ..	1	39	4	..	228	864	11	1147
July ..	13	26	6	..	265	350	20	680
August ..	18	35	8	1	237	201	14	514
September	20	105	10	..	686	108	21	950
October ..	10	73	11	1	580	104	31	810
November	8	57	15	..	475	110	16	681
December	14	34	8	..	313	77	22	468
TOTAL ..	103	506	81	2	3,520	4,013	212	8,437
Removed to Hospital	87	296	63	2	938	152	55	1,593

Of the patients removed to Hospital the following were conveyed by the Sanitary Officers:—380 cases of Fever, 927 cases of Scarlatina, 2 cases of Small Pox, 2 cases of suspected Small Pox, 109 cases of Measles, 34 cases of Diphtheria, 6 cases of Erysipelas, and 1 case of Leprosy, making a total of 1,461 persons. 625 were taken to Netherfield Road Hospital, 109 to the Parish Workhouse Hospital, Brownlow Hill, 282 to the City Hospital, Park Hill, and 445 to the City Hospital, Grafton Street.

In accordance with the arrangements made with the School Board, 4,290 postcards were sent to the Head Masters of the various schools, informing them that children from infected houses attended their schools. Similar information was sent to the School Board.

DISINFECTION OF HOUSES.

In all cases of infectious disease the houses were disinfected, free of cost, with sulphurous gas, by Officers appointed by the Health Committee; but whenever there was sickness in any room of the house, so as to endanger health by the use of sulphurous gas, disinfectants were given to the tenants for use in the sick room until the sulphurous gas could be used safely. No house is considered properly disinfected until sulphurous gas has been used. The existence of sickness, and the consequent employment of carbolic acid powder, necessitate many visits by the persons in charge of disinfection. There were in all 9,502 visits paid during the year to houses for the purpose of disinfection, the number of houses properly disinfected being 3,086.

MORTUARIES.

During the year 22 bodies were, by order of the Justices on the certificate of the Medical Officer, removed to the Mortuaries provided by the Council under Section 142 of the Public Health Act, 1875.

THE DISINFECTING APPARATUS.

The number of articles disinfected at the Apparatus during the year amounted to 39,767.

DATE. 1890.	Number of Beds.	Number of Mattresses.	Number of Pieces of Bedding.	Number of Pieces of Wearing Apparel, &c.	Total Number of Articles.
Week ending--					
January 4 ..	18	48	275	247	588
" 11 ..	25	81	308	164	578
" 18 ..	20	72	432	319	843
" 25 ..	42	52	343	226	663
February 1 ..	60	99	347	205	711
" 8 ..	32	79	226	210	547
" 15 ..	28	24	178	63	293
" 22 ..	28	36	224	131	419
March 1 ..	25	32	171	51	279
" 8 ..	22	32	303	205	562
" 15 ..	22	26	203	87	338
" 22 ..	30	60	273	42	405
" 29 ..	23	38	182	156	399
April 5 ..	30	41	510	131	712
" 12 ..	38	57	326	65	486
" 19 ..	48	72	344	173	637
" 26 ..	34	56	226	166	482
May 3 ..	25	30	161	181	397
" 10 ..	61	73	314	257	705
" 17 ..	112	46	1,156	137	1,451
" 24 ..	43	61	274	187	565
" 31 ..	35	49	243	63	390
June 7 ..	51	59	326	87	523
" 14 ..	67	106	448	184	805
" 21 ..	48	72	282	283	685
" 28 ..	51	81	310	230	672
July 5 ..	55	78	329	121	583
" 12 ..	65	90	359	270	784
" 19 ..	46	70	313	106	535
" 26 ..	69	107	485	131	792
August 2 ..	61	89	485	151	786
" 9 ..	62	95	432	154	743
" 16 ..	44	84	301	48	477
" 23 ..	57	74	387	52	570
" 30 ..	66	73	384	136	659
September 6 ..	88	127	479	218	912
" 13 ..	93	136	523	158	910
" 20 ..	99	132	621	151	1,003
" 27 ..	90	122	581	183	976
October 4 ..	101	156	695	134	1,086
" 11 ..	106	147	748	203	1,204
" 18 ..	100	153	630	176	1,059
" 25 ..	126	147	723	203	1,199
November 1 ..	125	148	727	148	1,148
" 8 ..	108	141	731	283	1,263
" 15 ..	104	138	632	66	940
" 22 ..	109	117	647	398	1,271
" 29 ..	131	163	816	200	1,310
December 6 ..	135	123	732	214	1,204
" 13 ..	91	173	918	233	1,415
" 20 ..	53	128	674	229	1,084
" 27 ..	109	86	388	136	719
Totals . . .	3,311	4,579	23,125	8,752	39,767

The number of articles destroyed at the Apparatus during the year amounted to 836.

DATE. 1890.		Number of Beds.	Number of Mattresses.	Number of Pieces of Bedding.	Number of Pieces of Wearing Apparel, &c	Total Number of Articles.
Week ending—						
January	4	1	4	3	..	8
"	11	1	2	2	17	22
"	18	1	9	..	..	10
"	25	1	7	5	6	19
February	1	4	4	..	..	8
"	8	2	6	..	..	8
"	15	1	5	3	..	9
"	22	1	..	..	..	1
March	1	1	4	2	..	7
"	8	..	..	..	..	..
"	15	1	2	..	..	3
"	22	3	4	..	..	7
"	29	2	2	4	..	8
April	5	..	..	..	..	..
"	12	..	..	..	..	..
"	19	..	..	..	..	..
"	26	4	4	2	6	16
May	3	3	..	1	3	7
"	10	2	11	1	50	64
"	17	..	2	..	..	2
"	24	2	4	1	2	9
"	31	1	4	2	3	10
June	7	1	2	7	10	20
"	14	1	12	..	..	13
"	21	1	8	2	..	11
"	28	4	18	8	8	38
July	5	7	6	3	2	18
"	12	3	9	17	..	29
"	19	2	6	3	..	11
"	26	2	11	9	3	25
August	2	2	8	10	1	21
"	9	1	4	4	..	9
"	16	7	6	26	..	39
"	23	4	8	2	..	14
"	30	4	17	2	11	34
September	6	3	16	10	23	52
"	13	..	2	..	..	2
"	20	5	5	2	20	32
"	27	..	2	..	..	2
October	4	..	..	..	..	..
"	11	4	6	4	..	14
"	18	..	8	..	..	8
"	25	1	4	..	..	5
November	1	2	16	8	12	38
"	8	5	9	10	2	26
"	15	..	4	..	..	4
"	22	1	3	4	30	38
"	29	6	14	12	21	53
December	6	4	6	3	..	13
"	13	3	13	2	25	43
"	20	..	2	..	..	2
"	27	2	2	..	..	4
Totals	..	106	301	174	255	836

CONTAGIOUS DISEASES (ANIMALS) ACT, 1878.

This Act and the Orders issued under it by the Board of Agriculture were referred by the City Council to the Medical Officer of Health to carry out, in conjunction with the Veterinary Inspector, the Inspector of Nuisances, and the Meat Inspectors.

PLEURO-PNEUMONIA ORDER OF 1890.

(4,062).

By the above Order the Board of Agriculture takes charge of all cattle suffering from the disease, or having been in contact with cattle so suffering, directs their slaughter, and pays such compensation to the owner as may be deemed necessary. This Order did not come into operation until the 1st of September, and only one cow-shed was affected during the remaining period of the year.

Previous to the 1st of September 9 cow-sheds were affected, and there were on the premises 80 cows, 1 calf, and 1 goat.

60 healthy cows, 1 calf, and 1 goat were killed, for which full value was given by the Corporation; 11 diseased cows were killed, for which three-fourths their value was given, and 9 diseased animals were killed by the owners, and no compensation was given.

The one shippoon affected after the 1st of September contained 1 diseased and 11 healthy cows, which were slaughtered, and compensation paid by the Board of Agriculture.

Four cases were found in the slaughter-houses, and one in a knacker's yard, having been brought from outside the City, of which notice was sent to the County authorities. Four of the cases occurred before the 1st of September, and one afterwards.

The amount paid by the Corporation for compensation to cattle-owners from the 1st of January to the 31st of August was ...		£1,244 10 0
Less proceeds from Sale of Meat...	...	707 12 1
Nett loss...		£536 17 11

SWINE FEVER.

This disease was found to exist in two pigs brought from Ireland, one in Gill Street Market, and one at the Abattoir slaughter-houses.

RABIES.

Twenty dogs were said to have suffered from Rabies ; but on post-mortem examination by the Veterinary Superintendent they were found not to have had the disease.

There were no cases of Anthrax, Glanders, or Farcy during the year.

 LICENSES FOR CATTLE.

During the year 1890, 2 applications were made to the Health Committee for licenses to keep cows; 1 of the applications for keeping 14 cows was granted. There are at present 378 shippens licensed to keep 5,104 cows. 65 of the shippens previously licensed have been transferred to fresh tenants.

3 applications were made during the year to keep pigs in styres separate from and unconnected with shippens; 1 of the applications for keeping 2 pigs was granted. The total number of premises or styres now licensed in the City is 29 for keeping 98 pigs.

DAIRIES, COWSHEDS, AND MILKSHOPS ORDER.

Number of applications for registration during the year	243
Of which transfers were	180
Number of applications granted	211
" " refused	34
Number on the register at the end of 1889	2261
" " " 1890	2322
An increase of	61

SUMMARY of Veterinary Inspections, under the Contagious Diseases (Animals) Act, for year 1890,
by Richard S. Reynolds, M.R.C.V.S., Veterinary Inspector for the Corporation of Liverpool.

TABLE No. 1.
PLEURO-PNEUMONIA.

Post-Mortem Examinations of Lungs or Carcases.	Number of Infected Places.	PRIMARY INSPECTIONS.		Subsequent Examinations of Animals in infected places for Slaughter.		Animals examined for re-entry into infected places after disinfection.	Inspection of infected places cleansed and disinfected.
		No. of Animals Examined.	No. found Affected.	Healthy.	Diseased.		
73	10	30	7	60	4	—	10

TABLE No. 2.

SUMMARY of Examinations by direction of the Board of Agriculture, from September 1st to December 31st.
PLEURO-PNEUMONIA.

Cattle.	ANIMALS EXAMINED.			POST MORTEM EXAMINATIONS.		
	Healthy.	Affected.	Total.	Healthy.	Affected.	Total.
In Liverpool	11	—	11	11	1	12
From other Places	9	—	9	9	—	9
Total	20	—	20	20	1	21

Mr. Reynolds was appointed to act as Veterinary Inspector for Liverpool under the Board of Agriculture.

SUMMARY of Veterinary Inspections under the Contagious Diseases (Animals)
Act.—*Continued.*

TABLE No. 3.
RABIES.

Animals Examined.	Affected.	Not Affected.	Post-Mortem Examinations.	Affected.	Not Affected.
—	—	—	20	—	20

TABLE No. 4.
GENERAL.

EXAMINATION OF ANIMALS IN TRANSIT.						
			FOR EXPORT.		LANDED COASTWISE.	
			Healthy.	Diseased.	Healthy.	Diseased.
Cattle	..	..	—	—	65	—
Sheep	..	..	—	—	—	—
Swine	..	..	—	—	—	—

SANITARY DEPARTMENT.

The Staff of the Sanitary Department has been placed under the management of the Assistant Medical Officer, Dr. Hope, who has supplied the following tables of work done by that department during the Year.

The Staff comprises 23 Sanitary Inspectors, 4 Meat and 3 Fish Inspectors, 2 inspectors under the Contagious Diseases (Animals) Act, 1 Inspector under the Food and Drugs Act, 2 Smoke Inspectors, 7 Disinfecting Inspectors, and 2 Disinfecting Apparatus Superintendents.

PROCEEDINGS UNDER THE CONTAGIOUS DISEASES (ANIMALS) ACT, 1878

Number of Visits to Railway Stations	3,365
„ Inspections of pens	105,841
„ found clean	86,012
„ „ dirty and cleansed before being used	19,829
„ Informations for dirty pens used before being cleansed	—
„ Inspections of Trucks.. .. .	25,621
„ found clean	22,911
„ „ dirty and cleansed before being used, or leaving the City dirty	2,710
„ Informations for dirty trucks used before being cleansed	—
„ Inspections of Horse Boxes	489
„ found clean	269
„ „ dirty and cleansed before being used, or leaving the City dirty	220
„ Informations for dirty horse boxes used before being cleansed	—
Number of Inspections of Vessels	9,012
„ found clean	4,962
„ „ dirty and cleansed before being used, or going to Sea without cattle or cargo	4,040
„ Informations for dirty vessels used before being cleansed	10
„ Inspections of Gangways	7,492
„ found clean	6,092
„ „ dirty and cleansed before being used	1,400
„ Informations for insufficient ventilation to vessel	1
„ Informations for not disinfecting scrapings and sweeping	4
Number of Inspections of Lairage and Sale Yards	3,427
„ found clean	2,710
„ „ dirty and cleansed before being used	717
„ Informations for dirty Lairages used before being cleansed	—
„ Visits to Manure Wharfs and Yards	185
„ Informations for landing dung of Foreign animals without consent in writing of the Local Authority	5
„ „ „ landing broken fodder	1
„ Informations for having spaces on board vessels larger than the required measurement	—
Total Number of Informations	21
„ Fined	20
„ Withdrawn	1
Amount of Fines and Costs.. .. .	£23 17 6

RETURNS OF CATTLE KILLED IN THE CITY SLAUGHTER-HOUSES, AND OF IMPORTED DEAD MEAT.

STREET.	Beasts.	Sheep.	Lambs.	Calves.	Pigs.	Dead Meat Imported for Sale.			
						Beasts.	Sheep.	Pigs.	Calves.
Abattoir	7611	171405	..	12896	25360	36693	210713	..	..
Foreign Animals' Wharf— Huskisson Dock .. } Canada Dock.. .. }	..	..	..	..	..	1639	226	4	..
NEW PARTS.									
Byles Street	..	172	..	..	..	..	..	..	..
Back Butler Street	210	488	438	19	..	..	..	..	..
Back Castle Street	666	568	412	100	27	289	..	..	..
Back Mount Vernon Green	290	4303	1084	50	2	..	..	..	..
Cotter Street	137	425	197	77	3374	..	..	..	..
Corlett Street	118	1467	374	7	13	..	..	..	..
Crown Street	146	1272	246	7	4	..	..	..	..
Darnley Street	..	..	..	..	3062	..	..	..	..
Edgeware Street	4	557	174	..	..	..	..	..	..
Embleton Street	486	3841	1587	19	34	..	..	..	..
Foley Street	..	..	..	..	6986	..	..	..	..
Gelling Street	181	20	197	32	..	..	..	..	..
Peel Street	107	1128	388	26	88	..	..	..	..
OLD PARTS.									
Bevington Hill	856	105	9	1580	104	2443	36	23	..
Benledi Street	..	..	..	..	1295	..	..	..	..
Byrom Street	..	..	..	..	3214	..	..	..	..
Bolton Street	229	2147	1117	10	..	..	..	..	..
Back Commutation Row(1)	9	221	7	2	81	..	..	..	..
" (2)	433	2117	490	..	4	..	..	..	..
Copperas Hill	..	..	..	..	12855	..	..	..	..
Finch Place	508	2155	782	3	..	..	..	..	..
Frederick Street	27	651	209	12	76	..	..	..	..
Hodson Street	8	867	340	68	..	..	..	..	..
Lydia Ann Street	68	1241	465	..	..	..	..	..	..
Norman Street	..	..	..	..	2926	..	..	..	..
Norfolk Street	..	2749	963	..	..	..	..	..	..
Scotland Road	2	1	..	73	..	..	..	..	..
Soho Street	..	..	..	..	2268	..	..	..	..
Upper Milk Street	..	..	..	..	10761	..	..	..	..
Total in Private Slaughter- houses	4485	26495	9479	2085	47174	41064	210975	27	...
Total in the City	12096	197900	9479	14981	72534	41064	210975	27	...

UNWHOLESOME MEAT, FISH, &c., SEIZED AND DESTROYED.

DATE.—1890.		Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry	rabbits	Fish.	Shell-fish.	Oysters.
		Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head		Lbs.	Bags.	
SLAUGHTER HOUSES.	Abattoir ..	69290	3378	14805	..	12761	..	..	..	..	..
	Back Castle Street ..	17060	808	317	..	..	..	..	..	..	..
	Back Butler Street ..	520	..	..	..	..	..	..	..	..	..
	Bevington Hill ..	25635	2077	70	..	..	..	..	..	..	..
	Benledi Street ..	..	..	..	..	600	..	..	..	..	..
	Copperas Hill ..	..	..	..	..	3531	..	..	..	..	..
	Cotter Street ..	..	60	60	160	550	..	..	..	..	..
	Darnley Street ..	..	..	..	260	..	..	..	..	..	..
	Embleton Street ..	..	..	..	..	..	..	..	..	..	..
	Foley Street ..	..	..	..	..	320	..	..	..	..	..
	Frederick Street ..	..	..	151	..	..	..	..	..	..	..
	Gelling Street ..	530	..	..	..	..	..	..	..	..	..
	Hodson Street ..	..	42	65	..	..	..	..	..	..	..
	Norman Street ..	..	..	..	..	120	..	..	..	..	..
	Peel Street ..	..	..	..	..	..	..	..	..	..	..
	Soho Street ..	..	..	..	..	475	..	..	..	..	..
	Upper Milk Street ..	..	..	..	..	660	..	..	..	..	..
MARKETS.	St. James' ..	30	..	..	..	170	..	..	..	..	..
	St. John's ..	362	..	85	..	6	160	310	171009	78	49000
	St. Martin's ..	1078	..	171	..	342	..	..	..	..	..
	Shell Fish ..	..	..	..	..	..	..	..	..	..	40000
OTHER PARTS.	Audley Street ..	..	..	..	..	8	..	..	..	..	..
	Byrom Street ..	..	..	..	..	390	..	..	..	..	..
	Brownlow Hill ..	..	95	..	..	..	..	..	..	..	..
	Back Roscommon St ..	..	..	..	..	784	..	..	..	..	..
	Canada Dock ..	9160	..	70	..	..	..	..	..	..	..
	Gt. Charlotte Street ..	..	..	..	..	..	..	..	15803	..	..
	Great Homer Street ..	..	..	200	..	..	..	..	157	..	..
	Great Howard Street ..	*224	..	..	..	..	..	..	..	..	..
	Hood Street ..	..	..	..	..	..	..	..	1140	..	60000
	Latimer Street ..	..	..	..	..	..	..	1	..	..	..
	Lodge Lane ..	..	..	..	..	..	..	..	90	..	..
	London Road ..	86	..	..	..	..	..	..	..	..	..
	Lime Street Station ..	..	..	..	..	..	..	..	960	..	..
	Manesty Lane ..	..	..	..	..	..	..	..	18034	..	..
	Marybone ..	..	..	..	..	53	..	..	..	..	..
	Market Street ..	..	..	..	..	..	50	..	..	..	..
	Mill Street ..	320	..	370	..	..	..	..	..	..	..
	Northumberland St. ..	..	..	..	..	7	..	..	..	..	..
	Paddington ..	9	..	..	..	..	..	..	..	..	..
	Prescot Street ..	5	..	..	..	..	..	..	..	..	..
	Richmond Row ..	..	..	..	..	..	..	..	560	..	..
	Rose Street ..	..	..	..	..	..	..	67	32835	35	31000
	St. James Street ..	18	..	..	..	..	..	..	..	..	..
	Scotland Road ..	1725	177	3029	..	..	..	..	..	..	..
	Soho Street ..	..	..	35	..	..	..	..	..	..	..
	Stanhope Street ..	175	..	..	..	..	..	..	..	..	..
	Stanley Road ..	2392	..	..	..	8	..	..	..	..	..
	Tatlock Street ..	..	..	50	..	..	..	..	..	..	..
	Whitefield Road ..	..	..	..	..	..	..	..	18	..	..
Total		128619	6637	19478	420	20785	210	378	240606	113	180000

* Horse Flesh.

Total quantity of Meat and Fish found to be unfit for human food :—

	Tons	cwts.	qrs.	lbs.
Meat	78	10	3	15
Fish	107	8	1	2

Number of Visits to Slaughterhouses made by Meat Inspectors	14,514
„ „ Butchers' Shops „ „	76,092
„ „ Fish Shops „ Fish Inspectors	47,859
„ „ Poultry Depots	198
„ Informations in respect to Diseased Meat and Fish	40
„ Fined	30
„ sent to Gaol	3
Amount of Fines and Costs	£76 16 0

SMOTHERED AND INJURED CATTLE.

Beasts.	Sheep.	Pigs.	Number found good.	Number found bad.	Weight of Bad in pounds.
59	96	180	233	102	24,446

KNACKERS' YARDS RETURNS.

	Horses Destroyed.	Asses Destroyed.	Other Animals Destroyed.
Holme Street	1,227	13	18
Grafton Street	488	3	7
Total	1,715	16	25

OFFENSIVE TRADES.

Number of visits	190
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MANURE YARDS.

Number of visits	149
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GRAVES.

Number examined and measured	71
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SHIPPON AND PIGGERY INSPECTION.

Number of Inspections of Shippons and Piggeries	1,251
„ Informations	4
„ Fined	3
Amount of Fines and Costs	19s. 6d.

DAIRIES AND MILK SHOPS.

Number of Inspections of Dairies and Milk Shops	2,047
„ found Incorrect.. .. .	398
„ of Informations.. .. .	20
„ Fined	16
„ Acquitted and Withdrawn	4
Amount of Fines and Costs	£2 19 6

NUISANCES AND CONDITIONS PREJUDICIAL TO HEALTH.

Nuisances inspected, complained of by Inhabitants	5,032
„ Reported by District Officers	45,367
„ Notices issued.. .. .	32,942
Number of notes to complainants	3,679
„ „ comply with notices	2,567
„ Informations	1,718
„ Fined	238
„ Magistrates' Orders to abate	696
„ Withdrawn and acquitted, the work being done	784
Amount of Fines and Costs	£92 2 6

REFERENCES TO OTHER DEPARTMENTS.

Referred to the Medical Officer.. .. .	*7,212
„ City Engineer	2,049
„ Building Surveyor	990
„ Water Engineer	5,075
„ Superintendent of Scavengers	2,152

* Chiefly school children from infected houses.

REFERENCES FROM OTHER DEPARTMENTS.

Received from the City Engineer	<i>Approximately.</i> 10,032
„ Veterinary Superintendent	3,516
„ Water Engineer	4,377
„ Medical Officer of Health	1,344

HOUSE TO HOUSE VISITATION.

Number of Inspections of Street Houses	..	..	..	..	..	..	13,802
" Street Houses found Clean	..	..	..	..	..	..	12,940
" " " Dirty	..	..	..	..	..	..	862
" Apartments in Street Houses Examined	..	..	..	..	..	..	50,288
" Inspections of Court Houses	..	..	..	..	..	..	4,751
" Court Houses found Clean..	..	..	..	..	..	..	4,026
" " " Dirty..	..	..	..	..	..	..	725
" Apartments in Court Houses Examined..	..	..	..	..	..	..	13,753
" Re-inspections of Dirty Houses..	..	..	..	..	..	..	2,875
" Total Number of Houses Examined	..	..	..	..	..	..	21,428

COURT AND ALLEY EXAMINATIONS.

Number of Visits to Courts and Alleys	..	..	..	..	..	..	115,035
" Closets found Dirty, but Cleansed by Officer's Instruction	..	..	..	..	..	..	100,350
" Informations..	..	..	..	..	..	..	214
" Fined ..	..	..	..	..	..	..	182

Amount of Fines and Costs £32 3 0

The changes in the method of dealing with the courts and alleys recently adopted have been continued and are attended with satisfactory results, both in ensuring constant cleanliness in the courts and alleys, and also economising the time of the inspector by employing it in the most efficient manner. The aim has been to keep the courts and alleys uniformly clean throughout the week, and with this view the district inspectors are instructed that every tenant in each court is in turn to be held responsible for the cleanliness of the court for a period of one week; the inspector records in his visiting book whose turn it is, and duly informs that tenant. Failing compliance with his requirements, an information is laid under a bye-law of the Local Sanitary Act.

The magistrate has rendered great help to the department by imposing a small fine in each case in which a prosecution was necessary. As a consequence there is a marked improvement in the condition of the courts, and also in the apparent willingness of the people to cleanse them.

CELLAR EXAMINATIONS.

Number of Inspections of Street Cellars	..	..	..	..	..	..	4742
" Cellars used for Lumber, Coals, &c.	..	..	..	..	..	..	2012
" " Found empty .	..	..	..	..	..	..	224
" " Illegally Occupied	..	..	..	..	..	..	147
" " Legally..	..	..	..	..	..	..	2359
" Inspections of Court Cellars..	..	..	..	..	..	..	1804
" Court Cellars used for Lumber, Coals, &c.	..	..	..	..	..	..	985
" " Found Empty .	..	..	..	..	..	..	165
" " Illegally Occupied	..	..	..	..	..	..	40
" " Legally..	..	..	..	..	..	..	614
" Cellars found Dirty	..	..	..	..	..	..	287
" Cellar Notices Issued to cease occupying	..	..	..	..	..	..	146
" Informations	..	..	..	..	..	..	36
" Fined ..	..	..	..	..	..	..	33
" Withdrawn ..	..	..	..	..	..	..	3

Amount of Fines and Costs £4 1 0

During the year 5,056 Cellars have been re-measured, and when found to conform to the requirements of the Public Health Act, have been placed upon an Amended Register.

WATER CLOSET CONVERSIONS.

Number of Notices	20
„ Certified	16
„ Constructed	18
„ of Informations	5
„ withdrawn, work being done	4
Fined	1
Amount of Fine and Costs	£1 4 6

INFECTED AND DIRTY HOUSES.

Number of Infected Street Houses Inspected	2809
„ „ Court „ .. .	279
„ „ Cellars „ .. .	59
Number of Notices to Owners to Cleanse Infected Houses	2746
„ „ „ „ „ Dirty Houses	1201
„ „ Occupiers to Whitewash Dirty Houses	375
„ „ Owners to Whitewash Exterior of Courts	2193
„ Informations against Infected and Dirty Houses	177
„ Fined	46
„ Acquitted and Withdrawn	131
Amount of Fines and Costs	£14 14 6

PATIENTS REMOVED TO HOSPITALS.

Netherfield Road.	Grafton Street.	Park Hill.	Brownlow Hill.
625	445	282	109

REMOVALS TO MORTUARIES ON MEDICAL CERTIFICATES OR ON
MAGISTRATES' ORDERS.

Bodies Removed to Mortuaries.			
Smithdown Road.	St. Martin's.	Mill Road.	Anfield.
—	20	1	1

PRINCE'S DOCK MORTUARY.

A new Mortuary has been erected by the Corporation and the Mersey Docks and Harbour Board on a site near the old Mortuary at the Prince's Dock, which had become dilapidated from age and unfit for use. This Mortuary is not for the reception of bodies dead from infectious disease, but for the bodies of persons who have been drowned, killed, &c., and over which the Coroner has to hold inquests. Bodies are taken there by the police, and where it may be necessary to make post-mortem examinations, any medical gentleman may have the assistance of an Inspector on sending a communication to No. 11, Ford Street, Vauxhall Road.

PROCEEDINGS FOR EXCESSIVE SMOKE.

Number of Town Notices	...	...	...	...	...	...	...	...	353
„ River „	...	...	...	...	...	...	...	...	357
„ Informations against Manufactories	...	...	...	...	...	...	...	...	357
„ „ Steamers	...	...	...	...	...	...	...	...	350
„ Fined	...	...	...	...	...	...	...	...	676
„ Acquitted or Withdrawn	...	...	...	...	...	...	...	...	31
Amount of Fines and Costs	...	...	...	...	...	...	£648	4 0	

MARGARINE ACT.

Number of Visits to Shops	.	..	..	..	..	..	406	6
„ Samples obtained	-	.	..	..	..	..	45	
„ „ Analysed*	..	..	..	..	..	..	—	
„ Informations	..	..	.	..	..	..	53	
„ Fined	..	..	.	..	..	..	49	
Amount of Fines and Costs	..	.	.	..	..	..	£37	4 6

* Samples not left for analysis when the offence is admitted by the vendor.

PROCEEDINGS UNDER THE SALE OF FOOD AND DRUGS ACT.

No. of Samples.	Description of Samples.	Results of Analysis.
520	New Milk	64 were found to be adulterated.
134	Skimmed Milk ..	27 " " " "
57	Pepper	2 " " " "
28	Lard	13 " " " "
24	Preserves	Found to be genuine.
22	Mustard	4 were found to be adulterated.
20	Yeast	1 was " " "
18	Butter	5 were " " "
10	Condensed Milk ..	Found to be genuine.
9	Olive Oil	" " " "
8	Coffee	3 were found to be adulterated.
7	Ground Cinnamon	Found to be genuine.
7	" " Ginger ..	" " " "
7	Roast Mutton ..	3 were found to be adulterated.
6	Cream of Tartar ..	Found to be genuine.
5	Ground Mace ..	" " " "
5	Flour	1 was found to be adulterated.
5	Whiskey	1 " " " "
4	Rum	2 were " " "
4	Arrowroot	Found to be genuine.
4	Confectionery ..	1 was found to be adulterated.
3	Gin	Found to be genuine.
3	Honey	" " " "
3	Tartaric Acid ..	" " " "
3	Bread	" " " "
3	Cheese	2 were found to be adulterated.
2	Tea	Found to be genuine.
2	Pickles	" " " "
2	Cream	" " " "
2	Vinegar	" " " "
1	Beer	" " " "
1	Capers	" " " "
1	Citrate of Mag- nesia	" " " "
1	Preserved Peas ..	" " " "
1	Spirits of Nitrous Ether	" " adulterated.
1	Butter Milk ..	" " " "
1	Sardines	" " genuine.
1	Roast Beef	" " " "
1	Preserved Ginger	" " " "
1	Cod Liver Oil ..	" " " "
1	Buttered Bread ..	" " " "
Total 938		129

Number of Informations	..	..	..	..	..	103
„ Fined	..	..	..	..	..	96
Acquitted or Withdrawn	..	..	..	..	..	7
Amount of Fines and Costs						£168 9 6

REFUSING TO SELL SAMPLES FOR ANALYSIS.

No. of Informations	..	..	..	..	..	8
„ Fined	..	..	..	..	..	7
Acquitted or Withdrawn	..	..	..	..	..	1
Amount of Fines and Costs						£8 14 0

Samples of milk are purchased on Sundays, this course being necessary by reason of the frequent adulteration of milk sold on that day. During the year 212 samples were purchased on Sunday, of which 29 were adulterated. Samples of various kinds, such as buttered bread, milk, bread and butter, &c., were purchased from cafés and restaurants, and were found to be satisfactory. It will be seen that the proportion of adulterations varies very widely in different articles, the reason being that prosecutions for pernicious adulteration are usually commented upon in the press and the articles cease to be offered for sale. In the case of others, milk for example, the profits of adulteration are so large that the prosecutions and fines have not the same prohibitory effect, and the proportion of adulterated samples of milk during the last three years has been 13·3, 8·3, and 8·4 per cent. respectively.

It must, however, be borne in mind that several dealers have been convicted two, three, or even four times.

Several of the other articles submitted to analysis are deserving of special mention.

Certain samples of cheese were found to have been made from skimmed milk, the place of the cream having been supplied by grease and other fats, which had been added to fraudulently conceal the inferior quality of the cheese.

Imported tins of preserved meat labelled “Superior Roast Mutton” were found to contain beef, with a little mutton fat melted into the tin. Mutton is twopence per tin dearer than beef, hence the fraud. In each of the foregoing cases a conviction was obtained. In the case of one sample of adulterated lard purchased from a retail dealer, a written warranty from the manufacturers was produced in court, and the information against the retail dealer was dismissed. Proceedings were then taken against the manufacturers for giving a false warranty, and they were convicted and fined 40s. and costs by the magistrates. The defendants appealed against this decision to the City Sessions, but the Recorder upheld the conviction.

SCAVENGING OPERATIONS.

Mr. Richard S. Reynolds, M.R.C.V.S., the Veterinary Superintendent, has charge of the Scavenging Staff, and has kindly supplied the following tables.

The health and comfort of the inhabitants of all large towns and cities depends to a very great extent upon the efficient working of the staff in the collection and removal of refuse. The following tables show the magnitude of the work done in Liverpool, but there are some disadvantages with which Mr. Reynolds has to contend, and which the Health Committee will no doubt, as far as they are able, remedy. The water carriage of refuse was greatly impeded by the freezing of the Canal, and rough and foggy weather prevented the Hopper Barges making so many trips out to sea as was desirable; the consequence being the storing up in the City of a larger quantity of refuse than was usual, and which could not but have an injurious effect on the public health. The erection of the destructor, now in progress, will reduce the refuse in bulk; but the difficulty will have to be faced, and that shortly, whether another Hopper Barge should not be provided.

Year 1890.

TABLE No. 1.
NIGHT SERVICE FOR EMPTYING MIDDENS, COURT ASHPITS, AND SOME OFFICE ASHPITS.

Notices Received.	Middens, &c., Emptied.	Loads of Nightsoil and Ashes.				Where Deposited.				Nightly average Working Staff.				Analysis of Work.		Average contents of each Midden.	Cart Loads.
		Number Removed.		Total.	Chisen- hale Street.	Sandhills.	River Craft Dock.	Midden Men.	Wharf Men.	Carts.	Horses.	Loads per Man per Night.	Loads per Cart per Night.				
		Manure.	Ashes.														
676	3,331	..	4,794	4,794	4,289	7	498	4.6	1.	3.2	3.2	3.1	4.6	1.4			

TABLE No. 2.

SERVICE FOR THE COLLECTION AND REMOVAL OF DRY ASHPIT ASHES.

Notices Received.	Ashpits Emptied.	Loads of Dry Ashes.					Average Daily Working Staff.				Analysis of Work.		Average contents of each Ashpit.
		Number Removed.	Where Deposited.				Ashpit Men.	Carts and Wagons.	Horses.	Loads per Man per Day.	Loads per Cart per Day.		
			Chisen- hale Street	Sandhills.	River Craft Dock.	Waver- tree.						Rubbish Tips, &c.	
2,602	417,864	68,797	21,625	18,529	26,260	5	2,290	84.1	64.4	64.4	2.5	3.3	.16

TABLE No. 3.
SERVICE FOR THE COLLECTION AND REMOVAL OF BELL
CART ASHES.

Loads Removed	Where Deposited.				Carts Employed
	Chisenhale Street.	Sandhills.	River Craft Dock.	Rubbish Tips	
17,183	9,034	2,187	5,920	42	15.4

TABLE No. 4.
SERVICE FOR FLUSHING AND CLEANSING TROUGH WATER
CLOSETS.

Number of Urinals.	Number of Trough Water Closets.	Average Working Staff.	
		Trough W. C. Men.	Urinal Men.
236—622 Stalls.	3,000	43.	10.8

TABLE No. 5.
SERVICE FOR CLEANSING, COLLECTION, AND REMOVAL OF REFUSE FROM STREETS, COURTS, PASSAGES, &c.

Loads of Street Sweepings Removed.						Average Daily Staff.				Average Number of Loads Removed Daily per Cart.	
Total Number Removed.	Where Deposited.					Scavengers.	Sweeping Machines.		Carts.		Horses.
	Chisenhale Street.	Sandhills.	Wavertree.	River Craft Dock.	Refuse on Tips and New Macadam.		Day.	Night.			
88,660	49,654	12,659	3,766	19,832	2,564	263.	4.3	15.	63.8	64.	4.3

TABLE No. 8.
REMOVAL OF GARBAGE FROM ABATTOIR.

Loads Removed.	Where Deposited.			Carts employed.
	Chisenhale Street.	Sand- hills.	River Craft Dock.	
1,276	881	9	386	1·04

TABLE No. 9.
DESPATCHES OF MANURE AND REFUSE.

	Saleable Manure.				Unsaleable Refuse.					Grand Total in Tons.	Average Daily Staff.	
	Night Soil.	Sweepings.	Mixture.	Total.	Contractors.	Farmers.	Depôts.	Sea.	Total.		Inspectors and Foremen.	Labourers.
Chisenhale St., by Flats..	..	3,840	6,192	10,032	6,432	40,560	3,552	..	50,544	60,576	}	24·3
Sandhills, do. ..	..	..	..	..	3,600	3,120	2,736	..	9,456	9,456		
Do., by Rail ..	..	5,200	..	5,200	..	7,926	..	..	7,926	13,126		
Wavertree do. ..	..	3,096	..	3,096	..	56	..	..	56	3,152	..	2·
Chisenhale Street and Sandhills, <i>via</i> Stanley D'k	..	..	..	..	..	..	..	2,484	2,484	2,484	}	4·9
per "Alpha"	..	..	..	..	..	..	..	83,160	83,160	83,160		
per "Beta"	..	2,555	3,392	5,947	..	734	..	..	734	6,681		
River Craft Dock	..	..	..	..	..	..	..	64,270	64,270	64,270	}	5·3
Do., per "Alpha"	..	..	..	..	..	..	..	6,385	6,385	6,385		
Do., per "Beta"	..	..	..	..	..	..	..	..	..	..	1	47·7
..	..	14,691	9,584	24,275	10,032	52,396	6,288	156,299	225,015	249,290	2·	84·2

TABLE No. 10.
HORSES.—DAILY AVERAGE NUMBER.

Hired.	Corporation Horses.				Supplied for various Works.																						
	Number.	Number.	Effective for Work.	Percentage of Ineffectives.	At Work every Sunday.	Scavenging.														City Engineer.				Sundry Places.	Disinfecting Vans, &c	Not Ordered.	
						Night Soil Removal.	Dry Ash Removal.	Bell Ash Removal.	Street Scavenging.	Sweeping Machines, Day.	Sweeping Machines, Night.	Yard, Stables, Stores, Wharf, &c.	Market.	Superintendent.	Watering.	Watering before Street Machines.	Carr Hall.	Messenger.	Wharf.	Abattoir.	Paving.	Sewers Cleansing.	Brownlow Street.	Watering before Steam Roller.			
5·2	247	236·3	4·2	29·1	3·2	64·5	15·4	63·9	4·3	15·	4·3	1·3	2·	10·5	2·9	4·7	2·	..	1·	21·5	8·5	1·	2·	3·9	7·5	2·1	

New Horses.		Number Disposed of			
Purchased.	Bred.	Died.	Destroyed.	Percentage of Mortality.	Sold.
41	..	15	..	6	27

TABLE No. 11.
AVERAGE DAILY STAFF OF MEN EMPLOYED.

General.	Night Service.				Day Service.																Stables, Yards, and Stores.				Workshops.				Wharves, Depôts, &c.										Grand Total.		9349				
	Inspectors	Midden Men.	Wharf Men.	Total.	Inspectors and Foremen.	District Storekeepers.	Watermen.	Narrow Men.	Sweepers.	Cart Followers.	Passage Men.	Gully Men.	Trough Closet Men.	Urinal Men.	Casual.	Ash Men.	Boat Men.	Crews Hopper Barges.	Carr Hall.	Orderly Boys.	Total.	Horsekeepers.	Night Watchmen.	Carters, Yardmen, Stable-men, and Storekeepers.	Total.	Cartwrights.	Shoeing Smiths.	Blacksmiths and Strikers.	Painters.	Total.	Inspector.	Labourers.	Sandhills.	River Craft Dock.	Inspector.	Labourers.	Gorsey Lane, Alintree, and Ford.	Labourers.	Foreman.	Various Town Deposit Places.		Labourers.	Foreman.	Stanley Dock.	Labourers.
4	2	47	1	77	20	84	7	725	1443	638	30	20	43	108	31	841	89	212	71	158	560	4	4	2286	2366	89	7	95	32	286	1	243	1	53	1	34	..	24	..	45	91				

TABLE No. 12.

Daily Consumption of Provender and Weekly Cost per Horse per Week,
Food and Litter.

Days Keep.	Total Consumption of Food.		Daily Average Consump- tion per H. res.	Weekly Cost of each Horse's Keep.
90,781	Corn	10,692 centals.	Lbs. 11·77	
	Beans and Peas ..	2,941 "	3·24	
	Oats	182 "	·20	
	Bran	1,348 "	1·48	Gross weekly cost 10s. 0½d.
	Meal	554 "	·61	Credit value of
	Linseed.....			Manure 6d.
	Roots	1,577 cwts.	} 4·92	Net. 9s. 6¾d.
	Grass.....	2,412 "		
	Hay	9,623 "	11·87	
	Straw	5,344 "	6·59	
	Peat Moss	731 "	·90	
	Sawdust	1,160 Sacks	·012	

TABLE OF DEATHS

DURING THE YEAR 1890, IN THE URBAN SANITARY DISTRICT OF LIVERPOOL, CLASSIFIED ACCORDING TO DISEASES, AGES, AND LOCALITIES.

(L.) NAMES OF LOCALITIES adopted for the purpose of these Statistics; public institutions being shown as separate localities.								MORTALITY FROM ALL CAUSES, AT SURJOINED AGES.							MORTALITY FROM SURJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.																			
								At all Ages.	Under 1 Year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 60.	60 and upwards.	Small-pox.	Scarlatina.	Diphtheria.	Membranous Group.	Typhus.	Enteric Typhoid.	Consumption.	Relapsing.	Furunculæ.	Cholera.	Erysipelas.	Measles.	Whooping Cough.	Diarrhoea and Dysentery.	Rheumatic Fever.	Ague.	Phthisis.	Bronchitis.	Pneumonia.	Heart Disease.
WARDS.	(a.)	(b.)	(c.)	(d.)	(e.)	(f.)	(g.)	(h.)	(i.)	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.			
Scotland	1586	477	439	83	39	387	161	Under 5	..	32	2	12	..	1	..	..	..	..	..	1	72	50	53	..	..	3	246	..	46	398	916			
								5 upwards	..	16	2	..	2	7	..	..	..	..	..	2	4	5	6	1	..	83	236	66	32	208	670			
Vauxhall	246	67	46	9	8	90	26	Under 5	..	1	..	1	..	..	..	..	..	..	1	..	7	2	5	..	..	..	25	..	8	63	113			
								5 upwards	..	3	1	..	..	..	..	..	..	..	..	..	1	1	4	..	..	..	40	8	4	46	133			
St. Paul's and Exchange	361	84	66	16	12	114	69	Under 5	..	3	4	1	..	..	..	..	..	..	1	19	3	13	..	..	..	33	..	9	64	150				
								5 upwards	..	1	..	..	1	7	..	..	..	..	..	..	..	2	1	1	20	77	23	7	71	211				
St. Anne's and Lime Street	667	170	126	41	20	225	85	Under 5	..	10	1	3	..	..	..	..	..	..	..	27	7	13	..	..	1	76	..	21	137	296				
								5 upwards	..	6	1	..	1	3	..	..	..	..	..	2	4	..	2	..	48	111	33	7	151	371				
Castle Street and St. Peter's	101	21	12	3	4	40	21	Under 5	..	..	..	1	..	..	..	..	..	..	..	6	1	..	..	..	..	6	..	2	17	33				
								5 upwards	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	9	12	12	4	30	68				
Pitt Street and Great George	393	99	72	21	15	122	64	Under 5	..	3	2	2	..	2	..	..	..	..	..	11	11	8	..	..	..	39	..	9	84	171				
								5 upwards	..	..	1	..	..	..	..	..	..	..	..	1	3	..	1	1	1	32	47	28	13	94	222			
Rodney Street and Abercromby	593	116	71	31	19	204	152	Under 5	..	3	1	6	..	..	..	..	..	..	..	11	17	18	..	..	..	41	..	6	84	187				
								5 upwards	..	7	2	1	..	2	..	..	1	..	1	2	2	..	1	..	54	79	61	7	186	406				
Everton	2596	706	667	191	73	583	376	Under 5	..	108	17	19	..	1	..	..	..	1	3132	77	95	..	..	..	15	321	6	36	542	1373				
								5 upwards	..	61	7	1	16	..	..	..	1	..	4	11	2	7	5	..	170	348	109	18	462	1223				
Kirkdale	1508	465	362	99	50	352	180	Under 5	..	59	7	21	..	1	..	..	..	2	63	32	63	1	..	..	4	146	1	32	395	827				
								5 upwards	..	25	3	2	2	8	..	..	..	..	..	2	4	2	3	2	..	91	171	79	22	235	681			
West Derby	1576	486	337	101	48	380	224	Under 5	..	37	10	10	1	1	..	..	..	1	75	45	56	..	..	..	6	164	1	11	405	823				
								5 upwards	..	27	5	2	1	2	1	..	2	..	5	3	5	3	..	139	159	65	17	317	753					
The Toxteths	2314	649	460	116	82	580	427	Under 5	..	44	4	17	..	2	..	..	..	2	57	84	79	..	..	7	217	1	29	566	1109					
								5 upwards	..	27	3	5	..	15	..	..	..	1	3	2	4	21	8	2	171	281	124	29	509	1205				
(M.) Public Institutions, Workhouses & Hospitals	2352	98	223	166	160	1230	475	Under 5	..	61	22	3	..	1	..	..	..	..	17	6	6	..	..	2	47	..	28	128	321					
								5 upwards	..	43	9	..	14	30	..	..	1	..	9	3	1	18	3	..	300	493	147	190	770	2031				
Totals	14293	3438	2881	877	530	4307	2260	Under 5	..	361	70	96	1	9	..	..	..	4	8497	335	409	1	..	38	1361	9	237	2883	6319					
								5 upwards	..	216	34	11	22	90	1	..	5	1	24	38	20	67	31	4	1142	2054	755	350	3109	7974				
Deaths occurring outside the division or district among persons belonging thereto	195	7	5	1	7	91	84	Under 5	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	9	12				
								5 upwards	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	31	51	16	2	81	183				
Deaths occurring within the division or district among persons not belonging thereto	225	6	15	20	28	122	34	Under 5	..	3	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	4	..	3	8	21				
								5 upwards	..	2	..	..	..	2	..	..	..	..	1	1	..	1	1	..	20	24	11	29	112	204				



TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS

coming to the knowledge of the Medical Officer of Health, during the year 1890, in the Urban Sanitary District of Liverpool; classified according to DISEASES and LOCALITIES.

NAMES OF LOCALITIES adopted for the purpose of these Statistics; Public Institutions being shown as separate localities.	POPULATION AT ALL AGES			NEW CASES OF SICKNESS IN EACH LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.											NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREATMENT IN ISOLATION HOSPITALS.											
	WARDS.	Census, 1881.	Estimated to middle of 1890.	Registered Births.	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11
					Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.					Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.					Cholera.	Erysipelas.
									Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.							Typhus.	Enteric Typhoid.	Continued.	Relapsing.	Puerperal.		
(a.)	(b.)	(c.)	(d.)																							
Scotland	70606	62093	2088	..	269	14	12	25	73	10	..	2	..	32	..	101	5	..	22	55	9	..	..	..	4	
Vauxhall	15382	12086	272	..	20	1	1	3	15	1	..	..	1	6	..	9	..	..	3	14	1	..	..	1	4	
St. Paul's and Exchange	19937	16263	402	..	27	6	1	1	30	3	..	2	..	18	..	8	..	..	..	19	3	..	2	..	2	
St. Anne's and Lime Street.. .. .	36688	32359	742	..	115	8	3	10	24	7	..	1	..	30	..	43	4	..	8	16	7	..	..	..	6	
Castle Street and St. Peter's	6644	5355	97	..	13	1	1	..	1	..	..	1	..	5	..	5	1	..	..	..	..	1	..	..		
Pitt Street and Great George.. .. .	18910	14925	416	..	50	5	2	12	19	..	..	..	..	22	..	17	..	..	12	13	..	..	..	..	4	
Rodney Street and Abercromby	41997	37147	1090	..	114	4	7	16	24	8	..	2	..	9	..	45	..	..	15	15	8	..	1	..	1	
Everton (H)	109812	123025	3844	..	1212	76	21	3	95	13	..	3	1	48	..	341	19	1	3	42	8	..	..	1	3	
Kirkdale	58145	89709	2351	..	526	19	24	14	53	14	..	1	2	16	..	84	2	..	11	19	7	..	..	2	..	
West Derby	67727	83324	2673	..	534	40	13	7	60	5	..	2	..	22	..	107	13	..	4	35	4	..	..	..	..	
The Toxteths (H H)	106660	137177	3617	..	611	34	24	10	97	14	..	4	1	66	..	151	8	1	8	55	10	..	1	1	..	
Public Institutions. } Workhouses and Hospitals	..	..	..	..	19	1	..	2	2	..	..	..	..	18	..	17	1	..	1	1	..	..	..	..	14	
Emigrants, Seamen, &c., passing through the City.. .. .	..	..	..	2	10	3	1	..	13	6	..	..	..	..	2	10	2	1	..	12	6	..	..	..	..	
TOTALS	552508	613463	17592	2	3520	212	110	103	506	81	..	18	5	292	2	938	55	3	87	296	63	..	5	5	38	

Notification of Infectious Disease compulsory in the District since 1st September, 1890.

(H) The localities in which the Isolation Hospitals are situated.

TABLE OF POPULATION

Showing the increase of the United States
according to Decennial and Intermediate

Year	Population	Male	Female	White	Colored	Foreign-born	Native-born
1790	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1800	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1810	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1820	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1830	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1840	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1850	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1860	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1870	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1880	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1890	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1900	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1910	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1920	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1930	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1940	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1950	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1960	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1970	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1980	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
1990	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
2000	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
2010	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0
2020	3,929,214	2,032,645	1,896,569	3,929,214	0	0	0



DURING THE YEAR ENDING SATURDAY, 27TH DECEMBER, 1890.

1997

DEAT

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PHILIP'S PLAN OF LIVERPOOL

MORTALITY MAP OF FEVER IN 1890.

The RED Dots Mark the Number of Deaths from Typhoid, and the
BLUE Dots the Number from Typhus.
(The Deaths occurring in Hospitals have been transferred to the streets from whence
the Patients were removed.)







