

Report on the sanitary condition of the Limehouse District (comprising the Parishes of Limehouse, Shadwell, and Wapping, and the Hamlet of Ratcliff) for the year 1897.

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REPORT

ON THE

SANITARY CONDITION OF THE LIMEHOUSE DISTRICT

*(Comprising the Parishes of Limehouse, Shadwell, and Wapping,
and the Hamlet of Ratcliff)*

For the Year 1897.

BY

DANIEL LEWIS THOMAS,

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Diplomate in Public Health, London ;

Licentiate of the Royal College of Physicians of London ;

Member of the Royal College of Surgeons of England ;

Licentiate of the Society of Apothecaries ;

Fellow of the Royal Institute of Public Health ;

Member of the Sanitary Institute.



TO THE
BOARD OF WORKS
FOR THE
LIMEHOUSE DISTRICT.

GENTLEMEN,

In presenting to you my first Annual Report, I may remind you that my appointment dates from the 1st of October, For three months Dr. Stedman acted as substitute for Dr. Rogers, your highly esteemed and respected late Medical Officer of Health.

With the exception therefore of the last three months of the year, the facts on which this Report is based did not come under my personal notice.

The population estimated to the middle of 1897 was 58,508.

BIRTHS.—The births registered during the year numbered 1997, of which :—

1197	were registered in	Limehouse.
471	"	" Ratcliff.
267	"	" Shadwell.
62	"	" Wapping.

This corresponds to a birth rate of 34·1 per 1,000 for the year, or exactly the same as the average for the last 10 years.

The birth rate is 4·1 per 1,000 more than that of London as a whole.

MARRIAGES.—The marriages during the year numbered 459. This is the highest number recorded in any year since 1883.

The average number for the last 10 years was 404, so that during the year the number of marriages was 12 per cent in excess of the average for 10 years. This increased number is of importance, because the number of marriages that takes place is recognised to correspond to the prosperity of a district. In that case the past year was the most prosperous one for the district for the last 14 years.

The proportion of persons married was 15 per 1,000 of the population. The marriage rate for the whole of London was 18·5 per 1,000—the highest rate recorded since 1878.

DEATHS.—The registered deaths exclusive of those of non-residents which occurred in the Public Institutions situated in the District, but inclusive of those of residents which occurred in outlying Institutions numbered 1462. This corresponds to a death rate of 25·1 per 1,000. The death rate for the whole of London was 18·2 per 1,000.

These deaths were distributed over the District as follows:—

Limehouse	...	...	...	...	...	536
Ratcliff	...	...	...	...	...	244
Shadwell and Wapping...	...	...	...	...	...	169
East London Children's Hospital	...	...	...	...	...	342
Drowning Cases	...	...	...	...	...	10
						1301
Deaths occurring outside the District among persons belonging thereto						...
						...
						446
						1747
Deduct deaths occurring within the District among persons not belonging thereto						...
						285
						1462

This number is 77 more than that registered in 1896.

Compared with 1896 the causes of death were as follows :—

	1896	1897	Increase	Decrease
Scarlet Fever... ..	14	12	—	2
Diphtheria	35	26	—	9
Membranous Croup ...	2	3	1	—
Enteric Fever	2	4	2	—
Puerperal Fever	1	1	—	—
Erysipelas	1	8	7	—
Measles	49	63	14	—
Whooping Cough	52	37	—	15
Diarrhœa & Dysentry	40	61	21	—
Cholera Infantum	—	1	1	—
Rheumatic Fever	3	4	1	—
Phthisis	167	149	—	18
Bronchitis, Pneumonia and Pleurisy	251	260	9	—
Heart Disease	101	125	24	—
Influenza	5	5	—	—
Injuries	96	86	—	10
All other Diseases	566	617	51	—
	<u>1385</u>	<u>1462</u>	<u>131</u>	<u>54</u>

The excess of births over deaths in 1897 was 535.

In 1896 the excess of births over deaths was 627

1895	„	„	„	475
1894	„	„	„	515
1893	„	„	„	357

The following is a list of the outlying Institutions and other places where residents of the Limehouse District died during the year :—

3, Alma Cottages, Harrow Road	...	...	...	...	1
66, Albany Street, Regents Park	...	...	...	...	1
Brook Fever Hospital	...	...	...	...	5
Bolingbroke Hospital	...	...	...	...	1
Brompton Hospital	...	...	...	...	2
Banstead Asylum	...	...	...	...	4
Bethlem Asylum	...	...	...	...	1
Cane Hill Asylum	...	...	...	...	4
Claybury Asylum	...	...	...	...	1

Clapham Maternity ...	...	...	...	...	...	1
Charles Street, Mile End	...	...	...	...	...	1
Colney Hatch Asylum	...	...	...	...	...	9
City of London Chest Hospital	...	...	...	...	...	5
Darenth Asylum ...	...	...	...	...	...	3
East India Dock Road	...	...	...	...	...	1
German Hospital ...	...	...	...	...	...	2
Homerton Fever Hospital	...	...	...	...	...	8
Hanwell Asylum ...	...	...	...	...	...	2
Hospital for Women, Soho	...	...	...	...	...	1
Hackney Infirmary ...	...	...	...	...	...	1
Homœopathic Hospital	...	...	...	...	...	1
Ilford Asylum ...	...	...	...	...	...	10
King's College Hospital	...	...	...	...	...	1
London Hospital ...	...	...	...	...	...	68
Leavesden Asylum ...	...	...	...	...	...	1
Limehouse Cut ...	...	...	...	...	...	1
Limehouse Pier ...	...	...	...	...	...	1
Limehouse Cut (Bromley)	...	...	...	...	...	1
Licensed Victuallers' Asylum	...	...	...	...	...	1
Middlesex Hospital ...	...	...	...	...	...	1
Millwall Docks ...	...	...	...	...	...	2
Mother's Home, Commercial Road...	...	...	...	...	...	1
Mile End Infirmary ...	...	...	...	...	...	3
45, Morning Lane, Hackney	...	...	...	...	...	1
North Eastern Fever Hospital	...	...	...	...	...	1
Poplar Hospital ...	...	...	...	...	...	4
River Thames (Bermondsey)	...	...	...	...	...	1
River Thames (Poplar) ...	...	...	...	...	...	1
River Thames (Greenwich)...	...	...	...	...	...	1
Regent's Canal ...	...	...	...	...	...	1
Regent's Canal, Mile End ...	...	...	...	...	...	1
Regent's Canal, Kingsland Road	...	...	...	...	...	1
Royal Chest Hospital ...	...	...	...	...	...	1
South Eastern Fever Hospital	...	...	...	...	...	7
St. Peter's Home, Kilburn ..	...	...	...	...	...	1
Sick Asylum (Bromley) ...	...	...	...	...	...	200
Stepney Workhouse ...	...	...	...	...	...	69
St. George's Infirmary ...	...	...	...	...	...	4
St. Bartholomew's Hospital...	...	...	...	...	...	3
Stepney Union ...	...	...	...	...	...	1
Westminster Hospital ...	...	...	...	...	...	1
Whitechapel Infirmary ...	...	...	...	...	...	1

SMALL POX.—No case of Small Pox has been notified during the year, although 101 occurred in London with 16 deaths.

SCARLET FEVER.—The corrected number of deaths was 12; the annual average for the last 10 years being 22.7. 420 cases were reported during the year, of which 289 were removed to Hospital. Two Hundred and Thirty-one occurred in Limehouse, 118 in Ratcliff, 71 in Shadwell and Wapping. This is an increase of 75 over the number reported in 1896, although the number of deaths is less by 2. The death rate was .21 per 1,000 of the population. The death rate for the whole of London from Scarlet Fever, was .17 per 1,000 of the population. The mortality was 2.8 per cent. of the seizures. The average mortality for the last 10 years was 11.6 per cent. of the seizures. This increase in the number of notifications is partly due to the fact that the disease was of a mild type, and in several instances the children were kept at home without Medical attendance, and no attempt made at isolation. In October I received a communication from the Head Mistress, in the Infants' Department of Collingwood Street Board School, informing me that she had sent home one of the pupils because her hands were peeling. When the child had been questioned by the governess it seemed that she denied that she had been ill, but that the peeling was due to a very bad scald she had some time before. She attended school with her hands in this condition for several days. I immediately visited the child's home. The child as well as the father and mother were out, and the shop was in charge of three other children. When I was in the shop, at least six children came in and were served with ice cream and sweets. I noticed that one of the three children had a discharge from her ears. As a discharge from the ears is a frequent complication of Scarlet Fever, I became suspicious, and examined her hands and feet. I found that she was desquamating. I then examined the other two, and found that they were also suffering from Scarlet Fever. I left Mr. Pavitt, the Inspector for the No. 2 district (who was with me at the time) in the shop, to prevent the children selling any more sweets. I then went to look for the mother and father and found her with two of the other children, one of them being the child that had been sent home from School. I examined them and found both suffering from Scarlet Fever. There was another child who was out playing. I sent

a neighbour's child (after making certain that she was not susceptible to Scarlet Fever) to look for him and to bring him home. He was also suffering from Scarlet Fever. I had the six removed to the Fever Hospital as soon as possible. The goods in the shop were destroyed. The parents slept at the shelter for two nights, during which time the house was thoroughly disinfected. The girl that had attended school for some days whilst suffering from Scarlet Fever had acted as monitor ; one of her duties was to hand round the books to 40 other children. I had the books removed at once to the disinfecting station, and after receiving the consent of the School Board, they were destroyed. I wrote to the Head Mistress of the school, telling her that she would greatly oblige me by instructing the teachers to examine the children's hands every morning for a few days, and in the event of desquamation being discovered, to send the children home and to notify me immediately of the fact. These instructions were carried out and several other cases of Scarlet Fever were discovered.

DIPHTHERIA.—The corrected number of deaths from Diphtheria was 26, the annual average number for the last 10 years being 32·2. One hundred and eighty cases were notified, and 118 were removed to Hospital. This is a decrease of 79 in the number of notifications. The decrease occurred chiefly in Limehouse. Eighty-four occurred in Limehouse, 52 in Ratcliff, and 50 in Shadwell and Wapping. The mortality was 13·4 per cent. of those attacked.

The average mortality for the last 10 years was 30·8 per cent. of those attacked. This decrease is no doubt due to the use of Antidiphtheritic serum which has been used very extensively during the last 2 or 3 years. The deaths were equal to a rate of '44 per 1,000, that for the whole of London being '50 per 1,000 of the population.

MEMBRANOUS CROUP.—Three cases were notified during the year, and the three proved fatal. One occurred in Limehouse, 1 in Ratcliff, and 1 in Shadwell.

TYPHUS FEVER.—No case was reported during the year.

ERYSIPELAS.—The corrected number of deaths was 8. Ninety cases were notified during the year, and 21 were removed to different Infirmaries and Hospitals. Forty-nine occurred in Limehouse, 29 in Ratcliff, and 12 in Shadwell and Wapping.

PUERPERAL FEVER.—There were 4 cases reported during the year, and one proved fatal. Three occurred in Limehouse and 1 in Ratcliff.

ENTERIC FEVER.—The corrected number of deaths was 4. The average annual number for the last 10 years was 8·3.

Fifty-one cases were notified, and 41 were removed to Hospital. Twenty occurred in Limehouse, 19 in Ratcliff, and 12 in Shadwell and Wapping. The mortality was 7·8 per cent. of those attacked. The annual average for the last 10 years was 17·7 per cent. of the seizures. The death rate was ·07 per 1,000, that for the whole of London being ·13 per 1,000 of the population.

In one instance I was able to trace the disease to Maidstone. A girl, who had spent the greater part of August and September at that place, was taken ill soon after she came home, about the last week in September. She was removed to the Hospital.

WHOOPING COUGH.—The corrected number of deaths was 37. The average number for the last 10 years was 50·5 a year. The death rate was ·63 per 1,000 of the population. The death rate for London as a whole, was ·41 per 1,000.

DIARRHŒA.—The corrected number of deaths was 61. The annual average number for the last 10 years was 43.

The epidemic followed the hot weather in July and August. This form of Diarrhœa differs from the ordinary form, which occurs at all seasons, and is due to various causes. The epidemic summer Diarrhœa, is associated with high temperatures. It is considered to be due to a form of micro-organism, which resides in the superficial layers of the earth that contains food suitable for it, that is, soil polluted with decomposing organic matter. The micro-organism has the power of leaving the soil to be carried by the air; by this means it gains access to food, and is introduced into the human body. According to Dr. Ballard's report to the Local Government Board, from "food the micro-organism can manufacture a substance which is a virulent chemical poison, and

this chemical substance is in the human body the material cause of the epidemic summer Diarrhœa." The development and multiplication of the micro-organism depends on a high temperature not in the air itself, but in the superficial layers of the soil.

The rise in the Diarrhœa death rate does not begin till the average weekly temperature of the thermometer(suspended in an iron tube 4 feet deep in the earth) has reached 56° F. This takes place about a week later than that in the air. Taking this into consideration and that death occurs only after a longer or shorter period of disease, the following table giving the number of deaths from Diarrhœa in the district, side by side with the average temperature of the air for the same week, shows the relationship existing between high temperatures of the soil, and epidemic summer Diarrhœa.

Week ending.	No. of Cases.	Mean Temperature of the Air.	Week ending.	No. of Cases.	Mean Temperature of the Air.
January 9	—	39·6	July 17	3	65·5
16	—	37·8	24	4	66·9
23	—	31·1	31	10	64·6
30	—	33·1	August 7	4	68·1
February 6	—	37·8	14	9	63·6
13	—	41·4	21	8	62·0
20	—	43·6	28	9	59·6
27	1	48·1	September 4	3	56·8
March 6	—	40·6	11	3	54·2
13	—	41·0	18	—	54·6
20	—	46·5	25	—	55·4
27	—	51·9	October 2	1	56·5
April 3	—	42·2	9	—	48·4
10	1	42·4	16	1	51·9
17	—	47·4	23	—	53·7
24	—	46·4	30	—	49·8
May 1	—	51·2	November 6	1	45·7
8	—	49·7	13	2	48·0
15	—	47·3	20	—	47·5
22	—	57·3	27	—	43·4
29	—	53·5	December 4	—	39·0
June 5	—	59·3	11	—	41·7
12	—	58·6	18	—	46·0
19	—	59·8	25	—	35·8
26	—	64·0			
July 3	—	64·4	1898		
10	1	61·5	January 1	—	45·1

There are several factors associated with the high Diarrhœa mortalities that are not under the direct influence of the Sanitary Authority, such as poverty, improper feeding (it is always higher among children artificially fed than those that are breast-fed), density of population, and want of cleanliness, but organic pollution of the soil by leakage from drains or otherwise, is a most potent factor, which may be remedied.

MEASLES.—The corrected number of deaths was 63. The annual average number for the last 10 years was 55. These deaths were equal to a rate of 1·08 per 1,000 of the population, the rate for London as a whole was '43 per 1,000 of the population.

The deaths from Zymotic Diseases numbered 206, and correspond to a death rate of 3·54 per 1,000. The Zymotic death rate for the whole of London was 2·56 per 1,000 of the population. Such deaths include Small Pox, Measles, Scarlet Fever, Diphtheria, Membranous Croup, Whooping Cough, Puerperal, Enteric and Simple Continued Fevers, and Diarrhœa.

The deaths from Pulmonary Diseases numbered 260, and correspond to a death rate of 4·5 per 1,000 of the population.

Fifty deaths were due to Senile Decay. This number corresponds to a death rate of '85 per 1,000 of the population.

The number of deaths of infants under 1 year of age was 386. This number corresponds to an infantile mortality of 194 for every 1,000 births. The infantile mortality for London as a whole, was 158 per 1,000 births.

During the year 754 notifications were received, of which 420 referred to Scarlet Fever, 186 to Diphtheria, 3 to Membranous Croup, 90 to Erysipelas, 4 to Puerperal Fever, and 51 to Enteric Fever; of these, 289 cases of Scarlet Fever, 118 cases of Diphtheria, 21 cases of Erysipelas, and 41 cases of Enteric Fever were removed to Hospital.

For detailed information as regards ages, localities affected etc., I beg to refer you to the tables at the end of the report.

HOUSING OF THE WORKING CLASSES ACT.

KING JOHN'S COURT.—The Board has had under consideration for several years what is called the King John's Court Scheme. The area was surveyed several times by the Sanitary Committee.

In July 1894, the Board passed a resolution that the closeness, narrowness and bad condition of the buildings and the want of light, air, proper conveniences and other sanitary defects in the buildings, rendered the area dangerous to the health of the inhabitants. That the demolition and re-arrangement of the buildings were necessary to remedy the evils, and that the site was too small to be dealt with as an unhealthy area under Part I.

The Board directed a scheme to be carried out under Part II of the Act.

The Local Government Board was petitioned for an order sanctioning the scheme, and after the legal formalities had been observed and the necessary notices served, an inquiry was held by a Local Government Board Inspector in October, but the decision has not yet been announced.

CHUSAN PLACE AREA.—After inspecting this area with the Chairmen of the different Committees, I made an official representation to the Board that 1, 2, 3 and 4, Chusan Place, 1 to 8, Marchants Row and 2, 4, and 13, St. Anne's Row were in a state so dangerous to health as to be unfit for human habitation. An order was obtained from the magistrate to have them closed. The houses in Marchants Row have been demolished; 1 to 4, Chusan Place are also to be demolished, but I beleive that 2, 4 and 13, St. Anne's Row are being repaired with a view of making them fit for human habitation.

DISINFECTION.

The disinfector used is one of Washington Lyon's improved high pressure steam disinfectors. The temperature of the steam applied to the infected articles is 260° F. in the interior, and 275° F. in the jacket. The goods are retained in the apparatus for 30

to 45 minutes, they are then taken out on the non-infected side of the building. Six men are employed in the disinfecting station. Two men draw the truck containing the infected articles; two men are employed to return the goods in a non-infected truck; one man is employed to strip the paper from rooms that have been fumigated; one man—the foreman disinfecter—attends to the apparatus. The foreman (who is a fitter by trade) is able to take the apparatus to pieces when necessary, and refit it. He did this when the Inspector from the Insurance Company was sent down to inspect it. When the number of premises to be disinfected is below the average, the Inspectors find occupation for the men in testing drains, etc. They thus assist the Inspectors to make more progress with their house-to-house inspection.

Sulphur has been in use to fumigate rooms for several years. Towards the latter part of the year I recommended the Board to use Formalin in some cases. There are two conditions in which Formalin seems to have an advantage over sulphur.

(1). In rooms containing brass bedsteads, gilded panels and sewing machines, as these articles are tarnished by the sulphur.

(2). In rare cases, where it is found impossible to spread out the clothing in such a manner that all its surface is exposed to the action of the gas, Formalin is more penetrating and under such circumstances, will probably be found more effectual than sulphur. With these exceptions sulphur is still used.

The following articles were burnt in the Incinerator during the year: 15 beds, 45 mattresses, 10 pillows, 394 sundries, 250 sacks of paper stripped from walls of infected rooms, 347 cases of eggs, 6-lbs of bacon.

LIST OF ARTICLES DISINFECTED IN THE APPARATUS.

ARTICLES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Beds	36	37	28	32	36	41	56	51	57	81	75	51	581
Sheets	98	37	43	40	37	32	46	39	41	73	66	50	602
Blankets	129	56	50	62	73	66	82	60	59	90	86	70	883
Bolsters	19	24	20	18	22	30	24	31	34	50	44	31	347
Pillows... ..	106	50	56	62	88	70	86	72	84	96	88	74	932
Quilts	50	49	34	42	52	60	65	67	74	88	79	61	721
Mattresses	56	32	30	28	24	30	28	34	40	56	44	41	443
Sundries	629	300	116	246	142	186	297	264	220	286	210	196	3092
Total	1123	585	377	530	474	515	684	618	609	820	692	574	7601

THE SHELTER.—Sixteen families were received in the shelter during the year, whilst their homes were disinfected. These families consisted of 39 children and 29 adults.

MORTUARY.

The number of bodies deposited in the Mortuary during the year was 179; 122 were removed to the Mortuary by the Coroner's orders, 17 by the Medical Officer of Health's orders, 6 by the Relieving Officer's orders, 33 by the Police, and 1 was taken by a friend for the sake of convenience.

Nine bodies were deposited in that part of the Mortuary set apart for infectious cases, 6 of the deaths were due to Diphtheria, 1 to Scarlet Fever, 1 to Typhoid Fever and 1 to Membranous Croup.

In 148 of the cases inquests were held, and in 33 cases post-mortem examinations were made. Instruments are provided free of charge for the use of Medical men to conduct these operations.

The deaths of the above were due to the following causes :—

Zymotic Diseases	...	...	...	...	9
Violence, accident, &c.	...	...	...	...	29
Suicide ...	...	...	...	...	7
Drowning	...	...	...	...	23
Diseases of the heart	...	...	...	...	31
Respiratory Diseases	...	...	...	...	16
Nervous Diseases	...	...	...	...	11
Convulsions and improper feeding...	...	...	...	...	22
Constitutional Diseases	...	...	...	...	14
Other causes	...	...	...	...	15
Still-born	..	...	...	...	1

One child was found in the Thames but whether he had a separate existence or not there was not sufficient evidence.

THE SALE OF FOOD AND DRUGS' ACT.

The total number of articles analysed during the year was 135 ; of which 129 were submitted by the Inspectors, and 9 by residents and others. This number consisted of 57 milks, 24 butters, 7 coffees, 1 mixed pickles, 7 mustards, 6 whiskies, 2 gins, 2 rums, 1 limewater, 7 peppers, 9 flours, 9 breads, 3 oatmeals. Of these 43 milks, 6 coffees, the mixed pickles, 19 butters, 7 mustards, 6 whiskies, 2 gins, 7 peppers, 9 flours, 9 breads, 3 oatmeals and 1 rum were genuine.

ARTICLES.	EXTENT OF ADULTERATION.	RESULT.
Milk ...	Adulterated with 17 per cent. of water ...	Fined 30s., and 23s. costs.
Milk ...	Adulterated with 17 per cent. of water ...	Fined 30s., and 23s. costs.
Coffee ...	Adulterated with 50 per cent. of Chicory ...	Fined 30s., and 23s. costs.
Limewater	Deficient in lime to the extent of 24·4 per cent. .	Cautioned.
Milk ...	Adulterated with 5 per cent. of water ...	Cautioned by the Magistrate.
Milk ...	Adulterated with 5 per cent. of water ...	Cautioned by Magistrate, but had to pay cost of summons.
Butter ...	Contained 82 per cent. of foreign fat ...	Proceedings not taken on account of death of Public Analyst.
Milk ...	Adulterated with 9 per cent. of water ...	Ditto.
Milk ...	Adulterated with 11 per cent. of water ...	Fined 30s.
Milk ...	Adulterated with 13 per cent. of water ...	Fined 20s.
Milk ...	Adulterated with 13 per cent. of water ...	Fined 10s.
Milk ...	Adulterated with 9 per cent. of water ...	Summons dismissed, sold under a warranty.
Butter ...	Contained 99 per cent. of foreign fat ...	Fined 20s., and 23s. costs.
Butter ...	Contained 80 per cent. of foreign fat ...	Fined 20s., and 23s. costs.

ARTICLES.	EXTENT OF ADULTERATION.	RESULT.
Butter ...	Contained 80 per cent. of foreign fat	Fined 40s., and 23s. costs.
Milk ...	Adulterated with 4·7 per cent. of water	Cautioned.
Milk ...	Adulterated with 4 per cent. of water	Cautioned.
Rum ...	29·4° under proof	Informality of purchase.
Milk ...	Adulterated with 4 per cent. of water	Cautioned.
Milk ...	Adulterated with 4 per cent. of water	Cautioned.

ARTICLES SUBMITTED BY RATEPAYERS AND OTHERS.

Milk ...	Adulterated with 6 per cent. of water	Informality of purchase.
Butter ...	Contained 60 per cent. of foreign fat	Fined £12, and £2 costs.

TOTAL OF PENALTIES AND COSTS, £32 8s.

The Inspectors have performed their duties to my satisfaction, and I have to express my thanks to them for the manner in which they have assisted me in carrying out the duties of my office.

I have the honour to remain,

GENTLEMEN,

Your most obedient Servant,

D. L. THOMAS,

*Medical Officer of Health and
Public Analyst.*

BOARD'S OFFICES :—

WHITE HORSE STREET.

May 4th, 1898.

TABLE I.

Table shewing the Population, Inhabited Houses, Marriages, Births, and Deaths for the Year 1897, and 10 years preceding.

The Year.	Estimated Population.	Marriages.	Registered Births.	Corrected No. of Deaths.			Deaths in Public Institutions.
				Total All Ages.	Under One Year.	Under Five Years.	
1897	58,508	459	1997	1462	386	715	342
1896	58,300	419	2012	1385	368	663	262
1895	57,600	378	2050	1575	456	736	255
1894	...	382	1911	1396	327	616	...
1893	...	402	1954	1597	394	640	...
1892	...	417	1940	1468	366	674	...
1891	...	387	1998	1500	349	564	...
1890	...	411	1851	1609	387	785	...
1889	...	411	2109	1363	336	582	...
1888	...	420	2084	1441	431	712	...
1887	...	420	2064	1450	363	626	...
Avrge. of 10 yrs 1887-96.	..	404	1997	1478	377	659	...

TABLE II.

Table shewing the Annual Birth and Death Rates, Death Rates of Children in a Thousand Deaths for the Year 1897, and 10 Years preceding.

In the Year.	Birth Rate per 1,000 of the Population.	Corrected Death Rate per 1,000 of the Population.	Deaths of Children under 1 year; per 1,000 of Registered Births.	Deaths of Children under 1 year; per 1,000 of Total Deaths.	Deaths of Children under 5 years; per 1,000 of Total Deaths.
1897	34.1	25.1	193	264	420.5
1896	34.6	23.7	182	265	478
1895	35.3	27.3	222	289	466
1894	33.1	24.2	161	234	441
1893	33.9	27.7	201	247	400
1892	33.6	25.5	188	249	459
1891	34.6	26.0	174	232	376
1890	30.8	26.8	209	240	445
1889	35.0	22.7	159	246	427
1888	35.5	24.6	207	299	494
1887	35.0	24.7	176	250	431
Average of 10 years, 1887-96.	34.1	25.3	187	255	441

TABLE III.

Shewing the Number of Deaths at all ages in 1897, from certain groups of Diseases, and proportions to 1000 of Population, and to 1000 Deaths from all causes ; also the Number of Deaths of Infants under one year of age from other groups of Diseases, and proportions to 1000 Births and to 1000 Deaths from all causes under one year.

DIVISION I. (ADULTS).	Total Deaths.	Deaths per 1000 of population at all ages.	Deaths per 1000 of total deaths at all ages.
1. Principal Zymotic Diseases.....	206	3·54	140·9
2. Pulmonary Diseases	260	4·5	181·9
3. Principal Tubercular Diseases...	192	3·2	131·3
DIVISION II. (Infants under One Year).	Total Deaths.	Deaths per 1000 of Births.	Deaths per 1000 of total deaths under one year.
4. Wasting Diseases.....	122	2	83
5. Convulsive Diseases	74	1·2	50

NOTICE.

1. Includes Small Pox, Measles, Scarlet Fever, Diphtheria, Membranous Croup, Whooping Cough, Influenza, Typhus, Puerperal, Enteric (or Typhoid), and Simple Continued Fevers, and Diarrhœa ; 37 of the deaths occurred in Hospitals situated beyond the limits of the District.
3. Includes Phthisis, Scrofula, Tuberculosis, Rickets, and Tabes.
4. Includes Marasmus, Atrophy, Debility, Want of Breast Milk, and Premature Birth.
5. Includes Hydrocephalus, Infantile Meningitis, Convulsions, and Teething.

TABLE IV.

Table shewing the Number of Deaths from the principal Zymotic Diseases, in the 10 years, 1887 to 1896, and in the year 1897.

DISEASE.	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	Annual Average of 10 years, 1887—1896.	Total Deaths in 1897.	Proportion of Deaths to 1000 Deaths in 1897.
Small Pox ...	—	—	—	—	—	—	7	1	1	—	.9	—	—
Measles	58	88	20	92	14	63	16	72	81	49	55.3	63	43.4
Scarlet Fever	27	23	27	15	5	27	31	41	17	14	22.7	12	8.4
Diphtheria...	10	23	41	25	15	28	62	42	41	35	32.2	26	17.7
Membranous Croup	—	—	—	—	—	—	—	—	—	2	.2	3	2
Whooping Cough	65	58	23	70	59	59	49	28	42	52	50.5	37	25.3
Influenza ...	—	—	—	—	—	—	—	—	—	5	.5	5	3.4
Fever {	Typhus	—	—	1	—	—	1	—	—	—	.2	—	—
	Enteric	6	9	13	14	6	16	6	10	3	8.3	4	2.7
	Simple contn'd	1	9	1	—	6	—	—	—	—	1.7	—	—
	Puerprl.	—	—	—	—	—	—	—	—	1	.1	1	.6
Diarrhœa ...	67	27	47	52	49	27	56	22	49	40	43.6	61	41.7
Totals	234	237	173	268	148	210	238	212	241	201	216.2	212	145.2

SPECIAL RETURNS

REQUIRED BY THE

LOCAL GOVERNMENT BOARD

AREA OF DISTRICT				562 Acres.
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POPULATION in 1891 . .				57,599
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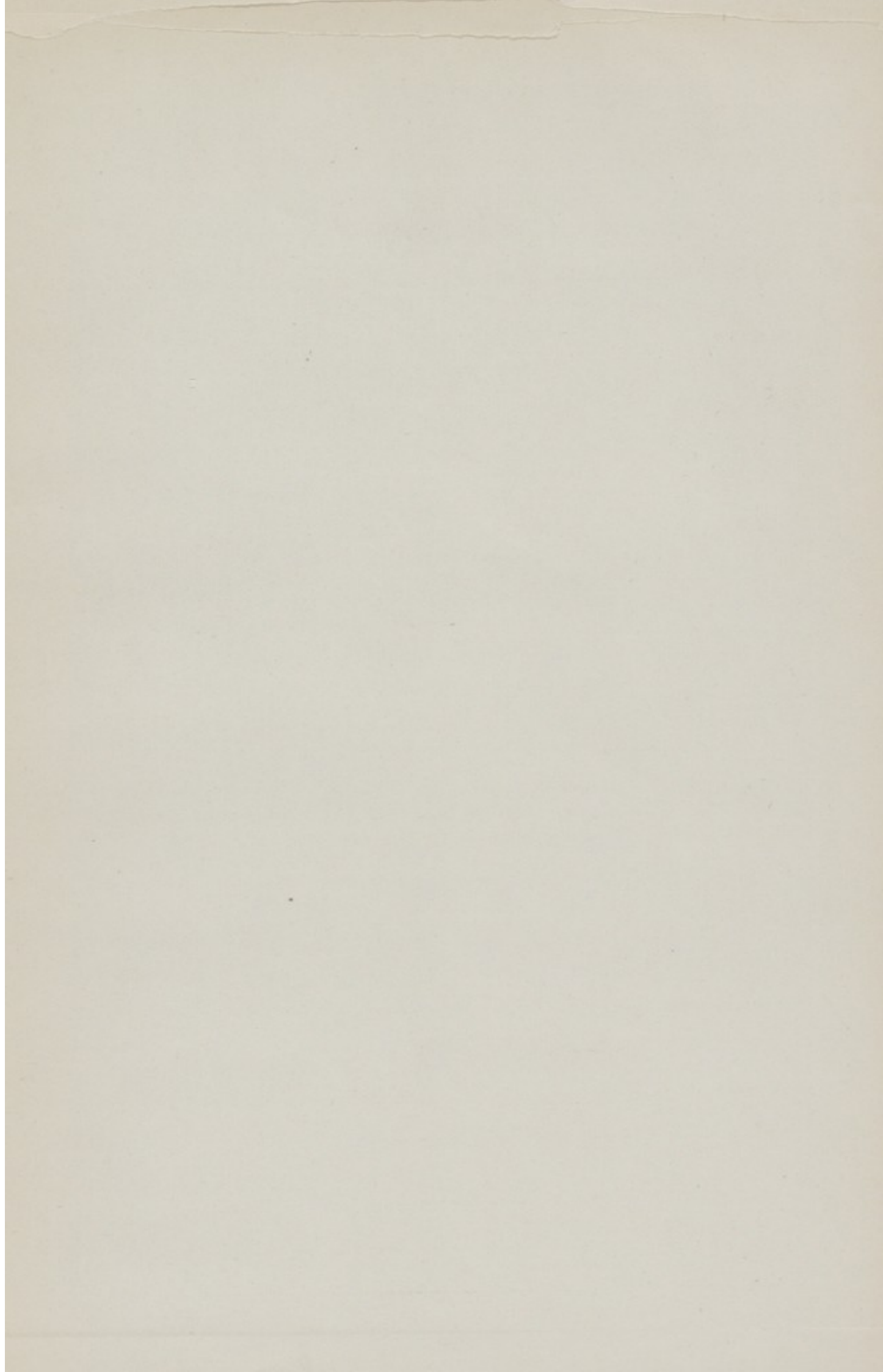
„ Enumerated in 1896			58,305
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„ Estimated to middle of 1897		58,508
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TABLE V.—TABLE OF DEATHS during the Year 1897, in the Metropolitan Sanitary District of Limehouse, classified according to DISEASES, AGES and LOCALITIES.

NAMES OF LOCALITIES adopted for the purpose of these Statistics; public institutions being shown as separate localities.	MORTALITY FROM ALL CAUSES, AT SUBJOINED AGES.							MORTALITY FROM SUBJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.																							
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
	At all ages.	Under 1 Year.	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards.	Small Pox	Scarlatina	Diphtheria	Membranous Croup	FEVERS.					Cholera	Erysipelas	Measles	Whooping Cough	Diarhoea and Dysentery	Rheumatic Fever	Phthisis	Bronchitis, Pneumonia and Fevers	Heart Disease	Influenza	Injuries	All Other Diseases	TOTAL		
												Typhus	Enteric or Typhoid	Continued	Relapsing	Fuerepal															
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)																							
Limehouse	536	304	95	15	17	131	74	Under 5 5 upwds.	—	1	2	1	—	—	1	—	1	—	4	25	28	36	—	1	43	5	1	4	136	288	
Ratcliff	244	73	52	16	11	67	25	Under 5 5 upwds.	—	2	5	2	—	—	—	—	—	—	9	1	14	—	1	23	1	—	3	65	126		
Shadwell and Wapping	169	43	49	3	5	51	18	Under 5 5 upwds.	—	—	6	—	—	—	—	—	—	—	18	4	10	—	4	16	1	—	4	29	89		
East London Children's Hospital	342	178	134	23	—	5	2	Under 5 5 upwds.	—	—	5	—	—	—	—	—	—	—	1	1	2	—	18	74	7	—	5	199	312		
Totals	1291	498	330	57	33	254	119	Under 5 5 upwds.	—	3	18	3	—	—	2	—	2	—	4	53	34	62	—	24	156	14	1	16	429	815	
									—	1	1	—	—	2	—	—	—	—	1	2	—	—	3	79	83	71	2	41	186	473	
The subjoined numbers have also to be taken into account in judging of the above records of mortality.																															
Deaths occurring outside the district among persons belonging thereto	446	66	33	18	32	201	96	Under 5 5 upwds.	—	7	9	—	—	—	3	—	—	—	1	8	—	—	—	4	12	2	1	4	51	99	
Deaths occurring within the district among persons not belonging thereto	269	137	99	17	1	13	2	Under 5 5 upwds.	—	—	4	—	—	—	1	—	—	—	1	—	1	5	—	13	60	7	—	2	143	236	
									—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—	5	—	6	11	10	33	





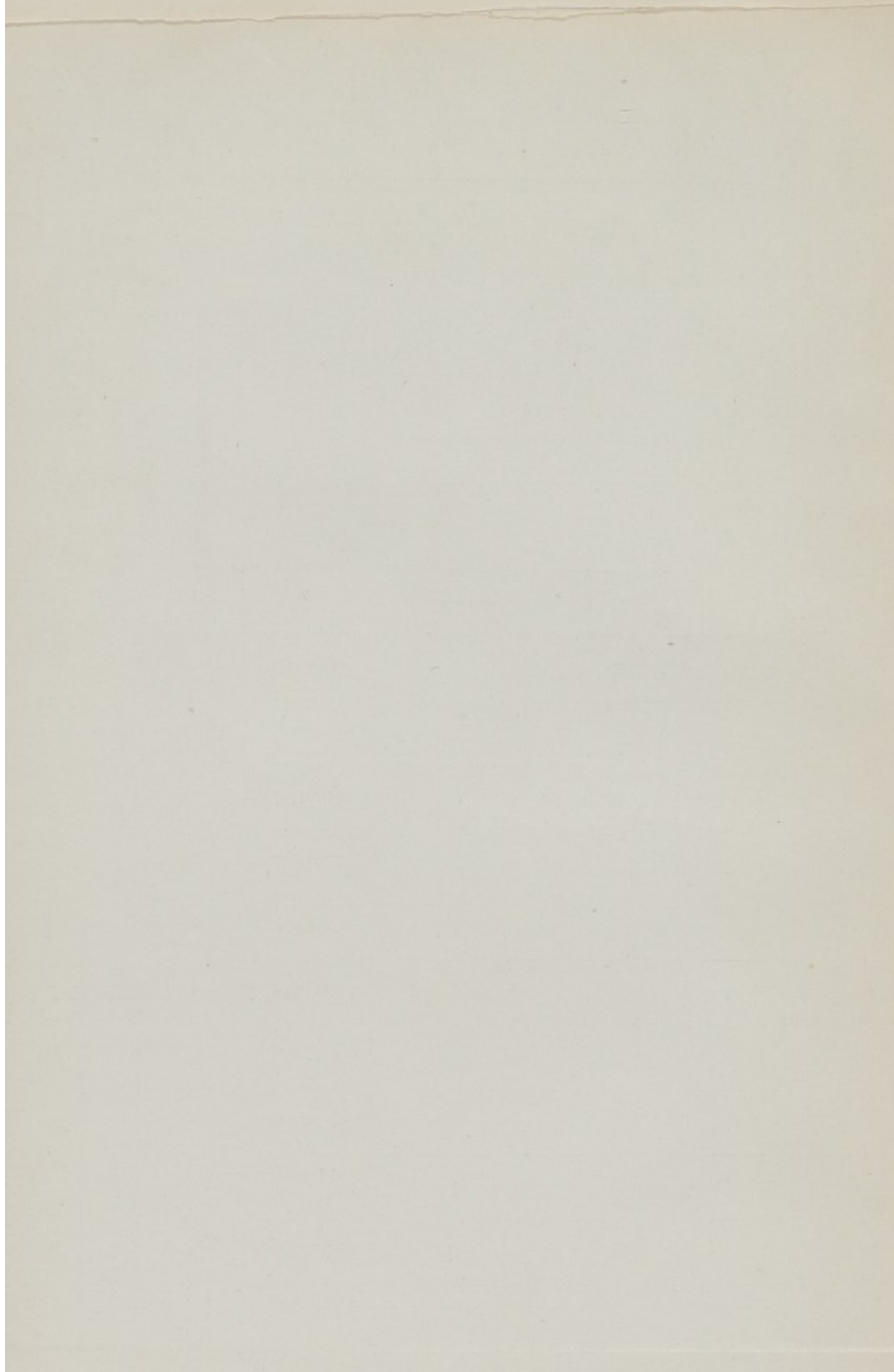




TABLE VI.—TABLE OF POPULATION, BIRTHS, and of NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, during the year 1897, in the Limehouse District; classified according to DISEASES, AGES and LOCALITIES.

NAMES OF LOCALITIES adopted for the purpose of these Statistics; public institutions being shown as separate localities.	Population at all Ages.		Registered Births.	Aged under 5 or over 5	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 Hospital.										
	Last Census.	Estimated to middle of 1897.			1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11
					Small Pox	Scarlatina	Diphtheria	Membranous Croup	Typhus	Enteric or Typhoid	Continued	Relapsing	Puerperal	Cholera	Erysipelas	Small Pox	Scarlatina	Diphtheria	Membranous Croup.	Typhus	Enteric or Typhoid	Continued	Relapsing	Puerperal	Cholera	Erysipelas
(a)	(b)	(c)	(d)	(e)																						
Limehouse	32917		1197	Under 5	—	68	31	1	—	3	—	—	—	—	5	—	44	23	—	—	3	—	—	—	—	
				5 upwds.	—	163	53	—	—	17	—	—	3	—	44	—	112	33	—	—	14	—	—	—	10	
Ratcliff	14954		471	Under 5	—	37	16	1	—	1	—	—	1	—	1	—	19	5	—	—	1	—	—	—	—	
				5 upwds.	—	81	36	—	—	18	—	—	—	—	28	—	57	21	—	—	12	—	—	—	6	
Shadwell and Wapping	10434		329	Under 5	—	30	16	1	—	—	—	—	—	—	—	—	23	11	—	—	—	—	—	—	—	
				5 upwds.	—	41	34	—	—	12	—	—	—	—	12	—	34	25	—	—	11	—	—	—	5	
Totals	58305	58508	1997	Under 5	—	135	63	3	—	4	—	—	1	—	6	—	86	39	—	—	4	—	—	—	—	
				5 upwds.	—	285	123	—	—	47	—	—	3	—	84	—	203	79	—	—	37	—	—	—	21	

BOARD OF WORKS FOR THE LIMEHOUSE DISTRICT,
SANITARY DEPARTMENT.

TO DR. D. L. THOMAS,
Medical Officer of Health
and Public Analyst.

SIR,

We have much pleasure in submitting our tabulated statement showing the amount of work performed by us during the past year, the details of which came under the notice and supervision of Drs. G. A. Rogers, S. B. Stedman, and yourself.

Although an increase in the general work of the District has occurred, we have been able to give attention to the inspection of Houses let in Lodgings, and to Workshops.

Diligent attention has been given throughout the year to the Meat, Fish, Fruit and Vegetables exposed for sale in the shops and thoroughfares in the District.

The cases of Infectious Disease have had our immediate attention and constant vigilance day and night, and occasionally on Sundays.

We are,

Yours obediently,

JOHN WILLIAM JOHNSON,
GEORGE OSBORNE PAVITT,
EDWIN THOMAS CROOK.

TABLE VII.

INSPECTORS' REPORT OF THE SANITARY WORK, &c.

Completed in the year ending December 31st, 1897.

SANITARY WORK, &c.	No. 1 District.	No. 2 District.	No. 3 District.	TOTAL.
Houses, Premises, &c., inspected	1351	1220	1290	*3861
Orders issued for amendments	3467	2335	2382	8184
Houses cleansed and whitewashed... ..	125	147	275	547
Rooms disinfected, stripped and cleansed...	156	170	114	440
Drains repaired, cleansed and trapped	689	396	440	1525
Drains new and reconstructed	168	97	155	420
Yards paved, and paving repaired... ..	266	217	330	813
Water Closets cleansed and repaired	442	256	345	1043
Closets and urinals supplied with water	88	190	90	368
New Closets supplied	38	6	13	57
Water supply laid on	77	90	30	197
Cisterns cleansed and covered, and defective water fittings	374	123	240	737
Waste and stack pipes disconnected from drains	101	62	45	208
Dust-pails supplied	416	345	271	1032
Dust removal complaints attended to	9	12	15	36
Removal of accumulations, &c.	5	4	18	27
Dead bodies removed to Mortuary... ..	—	7	7	14
Canal Boats inspected	30	—	—	30
Flooring, stairs, window sashes and eaves gutters provided, and roofs repaired	708	367	350	1425
Overcrowding abated	2	4	2	8
Notices to Schools	374	424	220	1018
Factory inspections... ..	49	5	140	194

Factory nuisances abated	9	3	16	28
Bake-houses inspected	40	28	20	88
Licensed Slaughter-houses inspected	2	1	—	3
Legal proceedings, <i>i.e.</i> , Summonses	13	11	2	26
Houses closed, unfit for habitation	2	—	—	2
Houses demolished	—	10	6	16
Notices given to London County Council of dangerous and dilapidated premises	31	40	12	83
Drain test used	861	850	318	2029
Improved ventilation in houses	180	117	17	314
Basements discontinued to be used as dwellings	1	—	3	4
Drinking water supplies separate from the w.c.s	18	—	5	23
Animals removed	1	14	—	15
Cesspools abolished	1	1	2	4
Free Shelters inspected	—	24	—	24
New dung pits provided	3	3	3	9
Water closets discharging into the River Thames	—	—	4	4
Notices to provide crossings, area gratings, flaps and trap doors in footways	4	22	30	56
Samples taken under Sale of Food and Drugs' Act	53	36	40	129
Dust-bins defective	—	4	2	6
Licensed Cow-sheds inspected	6	3	12	21
Smoke nuisances abated	9	2	12	23

* This does not include re-inspection to premises to ascertain works in progress ; such, if added would probably treble the number.

In addition to this, we have had destroyed, as unfit for human food, during the year the following articles, viz :—3 Barrels of Roker, a quantity of Pineapples, Oranges and Bacon, 397 Cases of Eggs, 120 Cases of Oranges, 50 Sacks of Potatoes, and 1 Case of Onions.

JOHN WILLIAM JOHNSON.
GEORGE OSBORNE PAVITT.
EDWIN THOMAS CROOK.

TABLE VIII.

Shewing the Localities in which certain Diseases of a Zymotic character occurred during the year 1897.

LOCALITY.	Diph-theria.	Mem-branous Croup.	Erysip-elas.	Scar-latina.	Enteric Fever.	Puer-peral Fever.	Total.
Acland-street ...	...	1	1	2	...	...	4
Albert-square ...	...	...	1	5	...	...	6
Ann-street ...	1	...	1	4	2	...	8
Anchor-street ..	..	...	...	3	...	...	3
Aston-street ...	1	...	2	6	1	...	10
Albert-street Bdgs.	...	...	...	1	...	...	1
Barnes-street ...	...	..	...	4	1	...	5
Belgrave-street ...	7	..	...	6	1	...	14
Bromley-street ...	7	...	1	4	1	...	13
Brenton-street ..	...	...	2	5	...	...	7
Burdett-road ...	1	...	2	6	...	...	9
Burgess-street ...	3	...	1	10	...	...	14
Bower-street ...	3	...	...	5	2	...	10
Brook-street ...	...	...	2	13	2	...	17
Blount-street ...	1	...	1	8	...	...	10
Beachcroft-bdgs....	...	...	...	1	...	...	1
Broad-street ..	...	...	...	1	...	...	1
Ben Jonson-road...	1	...	...	2	...	..	3
Bere-street ...	...	...	...	1	...	..	1
Burn-street ...	...	...	...	...	1	...	1
Balls-buildings ...	...	...	...	2	...	...	2
Bewley-buildings...	2	...	...	1	1	...	4
Batson-street ...	1	...	...	...	...	1	2
Black Bull-court ...	1	...	1	1	...	...	3
Butcher-row ...	1	...	...	...	...	...	1
Beccles-street ...	1	...	1	...	...	...	2
Brunswick-place ...	...	...	...	1	...	...	1
Commercial-road...	1	...	4	8	1	...	14
Caroline-street ..	2	...	1	1	...	...	4
Cable-street ...	5	...	4	10	1	...	20
Clemence-street ...	3	...	...	8	...	...	11

TABLE VIII. (*Continued*).

LOCALITY.	Diph- theria.	Mem- branous Croup.	Erysip- elas.	Scar- latina.	Enteric Fever.	Puer- peral Fever.	Total.
Coleman-street ...	...	...	...	3	...	...	3
Chaseley-street ...	...	...	1	4	...	...	5
Church-row ...	...	...	1	3	...	1	5
Cosh's-buildings ...	1	...	...	.	...	...	1
Conder-street ...	2	...	...	5	...	...	7
Cayley-street ...	1	...	1	1	..	...	3
Carr-street ...	3	...	...	3	2	...	8
Copenhagen-place	1	...	1	6	..	...	8
Church-court ...	...	1	...	1	1	.	3
Chambers-square ...	1	...	...	...	...	...	1
Collingwood-street	1	...	...	1	...	...	2
Devonport-street ...	...	...	...	2	.	...	2
Dunstan-place ...	...	...	2	4	...	...	6
Dod-street ...	...	...	...	2	..	...	2
Drew's buildings ...	1	...	...	5	...	..	6
Dora-street ...	1	...	...	1	...	...	2
Dixon-street ...	1	...	...	6	...	...	7
Durham-row ...	2	...	1	...	...	...	3
Dalgleish-street ...	2	...	...	...	...	...	2
Dellow-street ...	2	...	1	3	...	...	6
Dupont-street ...	1	...	...	2	1	...	4
Duke Shore-alley ...	...	...	...	1	...	...	1
Dr. Barnardo's-hme	6	...	2	17	..	...	25
Elizabeth-place ...	1	...	...	...	...	...	1
East London Hospital ...	1	...	...	1	1	...	3
Eastfield-street ...	6	...	5	5	...	...	16
Elsa-street ...	4	...	4	5	3	...	16
Elbow-lane-bldgs.	...	...	...	1	...	...	1
Ebenezer-place ...	...	...	...	2	...	...	2
East India Dock- road ...	1	..	...	3	1	...	5
Elm-row ...	...	...	...	3	...	...	3

TABLE VIII. (*Continued*).

LOCALITY.	Diph- theria.	Mem- branous Croup.	Erysip- elas.	Scar- latina.	Enteric Fever.	Puer- peral Fever.	Total.
Farrance-street ...	...	...	2	2	...	...	4
Galt-street ...	...	...	1	1	...	...	2
Gun-lane ...	...	...	...	1	...	...	1
Green-bank ...	1	...	...	...	...	...	1
George-street ...	...	...	1	1	...	..	2
Globe-alley ...	3	...	...	2	...	...	5
Gun-square ...	...	...	1	...	...	...	1
Glasshouse-fields ...	1	...	1	...	...	...	2
Gill-street ...	...	...	...	2	...	...	2
Glamis-road ...	1	..	1	6	...	...	8
Gill-place ..	...	...	1	1	...	...	2
Grocers-court ..	1	...	...	1	..	...	2
High-st., Stepney ...	...	...	1	1	1	...	3
High-st., Shadwell ...	6	...	...	6	2	...	14
High-st., Wapping ...	...	...	...	2	1	...	3
Harding-street .	1	...	...	...	...	...	1
Havering-street ...	...	...	...	2	...	...	2
Halley-street ...	...	...	...	7	...	...	7
Hilton-street ...	...	..	1	...	...	...	1
Juniper-street ..	10	...	1	9	2	...	22
James-place ...	...	..	1	...	1	...	2
Jamaica-passage ...	...	...	1	...	...	...	1
Kirks-place ...	3	...	1	...	...	...	4
Lee-street...	...	...	...	2	1	...	3
London-street ...	...	...	1	1	...	...	2
Locksley-street ...	1	...	...	9	...	...	10
Limehouse Causeway ..	2	...	1	...	...	..	3

TABLE VIII. (*Continued*).

LOCALITY.	Diph- theria.	Mem- branous Croup.	Erysip- elas.	Scar- latina.	Enteric Fever.	Puer- peral Fever.	Total.
Lance-street ...	2	...	...	3	...	...	5
Love-lane... ..	1	..	...	1	...	...	2
Lockside	1	...	...	...	...	...	1
Lydbrook-street ...	...	...	...	1	...	...	1
Lowell-street ...	...	...	...	1	...	...	1
Monza-street ..	...	...	...	2	...	...	2
Maroon-street ..	8	...	2	19	1	...	30
Mercer-street ...	2	...	...	3	...	...	5
Manning-street ...	.	...	...	2	1	...	3
Medland-street ...	2	...	...	4	...	...	6
Market-hill ...	1	...	1	...	...	...	2
Milk-yard ...	...	...	1	...	...	...	1
Notgrove-street ...	...	...	1	...	...	...	1
Northey-street ...	4	...	4	4	..	1	13
New Gravel-lane...	...	..	...	1	1	...	2
Narrow-street ...	4	..	...	1	...	...	5
New Alley-square ...	...	...	..	2	...	...	2
Newtons-rents ...	1	...	...	...	...	...	1
Neptune-street ...	...	...	...	1	...	...	1
Nightingale-lane ...	...	...	...	1	...	...	1
Orchard, The ...	1	...	...	...	...	...	1
Periwinkle-street...	...	...	2	3	...	...	5
Peabody-buildings	1	...	...	5	1	...	7
Pigott-street ..	...	...	...	2	...	...	2
Parnham-street ...	...	...	...	1	...	...	1
Portland-street ...	...	...	...	3	4	...	7
Ratcliff-workhouse	1	...	3	1	...	...	5
Rhodeswell-road .	7	...	...	5	...	...	12

TABLE VIII. (*Continued*).

LOCALITY.	Diph- theria.	Mem- branous Croup.	Erysip- elas.	Scar- latina.	Enteric Fever.	Puer- peral Fever.	Total.
Ropemakers-fields	1	...	...	1	...	...	2
Red Lion-street ...	3	...	...	1	...	...	4
Ratcliff-square ...	...	...	...	1	...	...	1
Rose-lane...	1	...	...	1	...	1	3
Repton-street ...	...	...	1	10	...	...	11
Rich-street ...	...	...	1	1	1	...	3
Rugg-street ...	...	...	...	...	1	...	1
Ronald-street ...	2	...	...	4	...	...	6
Salter-street ...	...	...	1	...	...	...	1
Salmon-lane ...	2	...	1	3	...	...	6
Samuel-street ...	1	...	...	2	...	...	3
Streatfield-street ...	...	...	...	3	...	...	3
Selsey-street ...	...	...	...	1	...	...	1
Stainsby-road ...	3	...	...	2	...	...	5
Sarah-street ...	2	...	1	1	...	...	4
Stepney-causeway	1	...	...	1	1	...	3
Sage-street ...	...	...	...	1	1	...	2
School-house-lane	1	1	2	...	...	...	4
Spenlow-street ..	...	...	...	...	1	...	1
Spencer-street ...	...	...	...	1	...	...	1
Thomas-street, Ratcliff ...	3	...	...	3	...	...	6
Tower-buildings ...	1	...	1	...	...	...	2
Turners-road ...	...	...	...	6	...	...	6
Three Colt-street...	2	...	...	3	...	...	5
Twine-court ...	1	...	...	...	...	...	1
Tower-bldgs (old)	1	...	...	...	...	...	1
Taylor's-place ...	...	...	...	1	...	...	1
Thomas-street Limehouse ...	2	...	2	13	1	...	18
Tenbury-place ...	...	...	...	1	...	...	1
Troon-street ...	2	...	...	3	...	...	5

TABLE VIII. (*Continued*).

LOCALITY.	Diph- theria.	Mem- branous Croup.	Erysip elas.	Scar- latina.	Enteric Fever.	Puer- peral Fever.	Total.
Upper-well-alley ...	...	...	...	1	...	...	1
West-pier... ..	1	...	...	...	...	...	1
White Horse-street	...	...	2	4	1	...	7
Walker street ...	1	...	..	4	...	...	5
West India Dock Road ..	..	...	1	4	1	...	6
Walter-street ...	...	...	...	...	1	...	1
Wapping-wall ...	1	...	...	1	...	...	2
West Garden-bldgs.	2	...	1	.	...	...	3
West-gardens ...	..	...	...	1	...	...	1
Waterloo-street ...	...	...	...	2	...	...	2
White Hall-place...	...	...	...	1	...	...	1
York-buildings ...	3	...	1	2	3	...	9
York-street ...	2	..	...	3	...	...	5
York-road ...	...	...	1	...	...	...	1
York-square ...	...	...	...	1	...	...	1

1897.

BAKEHOUSES.

LIMEHOUSE.

NAMES.	ADDRESSES.
Mr. J. Rickert,	22, Gill-street
„ C. Baldwin,	821, Commercial-road
Miss Bulgin (not used),	341, Burdett-road
Mr. J. Draude,	31, Repton-street
„ M. Donaldson,	3, Repton-street
„ Schwarz,	137, Eastfield-street
(empty)	21, Halley-street
„ W. Living,	12, Parnham-street
„ P. Fiehl,	45, Thomas-street
„ H. Fuchs,	84, Locksley-street
„ J. Few,	132, Rhodeswell-road
„ W. Pearce,	131, Salmon-lane
„ H. Bretz,	145, Salmon-lane
„ J. Faber,	181, Salmon-lane
„ Miller,	209, Salmon-lane
„ C. Smeith,	71, Salmon-lane
„ W. Wagner,	7, Limehouse-causeway
„ H. Haust,	40, Limehouse-causeway
„ W. Stevens,	68, Limehouse-causeway
„ J. W. Domm,	146, White Horse-street
(not used)	51, Three Colt-street
„ W. H. Pearce,	77, Three Colt-street
„ T. Slawson,	87, Three Colt-street
„ J. A. Siebert,	93, Three Colt-street
„ H. Marks,	36, Three Colt-street
(not used)	56, Three Colt-street

RATCLIFF.

Mr. Prummer,	105, White Horse-street
„ A. S. Harding,	42, White Horse-street
„ Bader,	147, White Horse-street
Mrs. Lee,	631, Commercial-road

BAKEHOUSES—*Continued.*

RATCLIFF.

NAMES.	ADDRESSES.
—	—
Mr. Weimer,	119, Broad-street
„ J. W. Newman,	27, Hardinge-street
„ C. Siebert,	415, Cable-street
(empty)	59, Brook-street
„ Schwenk,	91, Brook-street
(empty)	139, Brook-street
„ Schneider,	85, Brook-street
(empty)	28, White Horse-street
(empty)	436, Commercial-road
„ W. Herbert,	508, Commercial-road
„ Cattung,	13, Devonport-street

SHADWELL.

Mr. W. Atkinson,	84, High-street
Miss Green,	161, High-street
Mr. Westrick,	47, High-street
„ Menzler,	5, King David-lane
„ Grender,	278, Cable-street

1897.

LICENSED COW HOUSES.

LIMEHOUSE.

Messrs. Abbott Bros.,	Batson-street
Mr. J. Harris,	15, Maroon-street
„ J. Knight,	162, Rhodeswell-road
„ David Thomas,	42 & 44, Ropemaker's-fields

LICENSED COW HOUSES—*Continued.*

RATCLIFF.

NAMES.	ADDRESSES.
—	—
Mr. Charles Warman,	Railway Arch, Drewton-street
„ Charles Toms,	63, Brook-street
„ James Allcock,	12, Hilton-street
Messrs. J. & W. Morris,	37, White Horse-street

SHADWELL.

Mr. Thomas Williams,	Sage-street
„ Charles Warman,	Lower Shadwell

SLAUGHTER HOUSES.

LIMEHOUSE.

Mr. W. H. Phillips,	160, White Horse-street
„ A. Brown,	22, Three Colt-street

