The annual report on the sanitary condition of the Whitechapel District, (with vital and other statistics), for the year 1896 (consisting of 53 weeks) being the thirteenth annual report.

Contributors

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ANNUAL REPORT

ON THE

SANITARY CONDITION

OF THE

WHITECHAPEL DISTRICT,

(WITH VITAL AND OTHER STATISTICS OF S

FOR THE YEAR 189

(CONSISTING OF 53 WEEKS),

BEING THE

THIRTEENTH ANNUAL

BY

JOSEPH LOANE,

MEDICAL OFFICER OF HEALTH;

DIPLOMATE IN PUBLIC HEALTH, UNIVERSITY OF CAMBRIDGE;
FELLOW OF THE INCORPORATED SOCIETY OF MEDICAL OFFICERS OF HEALTH;
ASSOCIATE OF THE COLLEGE OF STATE MEDICINE;

MEMBER OF THE SANITARY INSTITUTE;

PUBLIC VACCINATOR TO THE WHITECHAPEL UNION;
EXAMINER IN, AND INSTRUCTOR OF, VACCINATION, BY ORDER OF THE
LOCAL GOVERNMENT BOARD; &c.

LONDON:

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1897.

OFFICES OF THE BOARD OF WORKS FOR THE WHITECHAPEL DISTRICT.

PUBLIC HEALTH DEPARTMENT :

No. 15, Great Alie Street, London, E.,

January 12th, 1897.

On the first page of my Annual Report for the year 1895 it is stated that "the total population of the Whitechapel District I have roughly estimated to be 79,000." A few months after that Report was published it was known that the census declared our population to be 78,676. The calculations, therefore, which appeared in my Report of a year ago were fairly accurate. The census of last year was the first quinquennial census, and was instituted not for such statistical purposes as might prove useful from a sanitarian's point of view, but to enable certain taxation arrangements to be adequately dealt with. It follows, therefore, that beyond the crude figures of population nothing is contained in the Census Returns for 1896 which needs any comment on my part.

I am not now informed officially of the Foreign Immigration which takes place, but I know as a fact that it still continues to a large extent. Probably I shall be near the mark for statistical purposes if I average our population for the whole year 1896 at 79,500.

The marriages during the year within the District amounted to 434. Last year they were 409, and in the previous year 373.

The total births which were registered in the four Sub-registration Districts during the 52 weeks amounted to 3,168. In the Whitechapel Union Infirmary 118 births took place, of which number 18 were born of women who had not previously resided in the District. Distributing the remaining births among the Sub-registration Districts to which the mothers belonged, the correct distribution of births will be as under:—

Spitalfields.	Mile End New Town.	Whitechapel Church.	Goodman's Fields.	Tor L.
1071	683	979	424	3157

So that the corrected births amounted to 3,157, viz.:—1,632 boys, and 1,525 girls. The District birth-rate was equal to 39.7 per 1,000. See Table A* of the Appendix. 36 boys and 35 girls were born in the 53rd week of the year.

The Metropolitan birth-rate equalled 30.0 per 1,000.

The total deaths which were registered during the year numbered 2.313, viz.:—1,394 males, and 919 females. Table B* of the Appendix indicates the deaths which were registered in the several Sub-registration Districts. A deduction has now to be made of those deaths to the number of 929, which occurred among Non-Residents (mostly in the London Hospital); and then to the remaining sum must be added the deaths of those Residents who died in Out-lying Public Institutions and elsewhere outside the District. These deaths number 219, and the places where the deaths were registered are tabulated in the Appendix as usual—Table D.† Thus the corrected number of District deaths for the year was 1,603. A death-rate for the year of 20·1 per 1,000 is to be recorded, as compared with a Metropolitan death-rate of 18·5 per 1,000.

This satisfactory return is almost identical with that which I presented two years ago, and shows, so far as our district is concerned, a diminution in the death-rate of 2.7 per 1,000, when contrasted with the year 1896.

I append a Table showing the correct number of District Deaths for each Sub-registration District during the past ten years:—

CORRECT DISTRICT MORTALITY TABLE FOR TEN YEARS ENDING 1896.

G-1 D-14 4						53 weeks				
Sub-Registration Districts.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.
Spitalfields Mile End New Town Whitechapel Church Goodman's Fields	 611 286 406 299	593 281 438 262	549 279 449 256	682 322 529 333	668 - 296 - 537 - 338	640 370 561 307	672 347 577 290	582 297 470 245	644 317 553 290	604 276 494 229
TOTAL	 1602	1574	1533	1866	1839	1878	1886	1594	1804	1603

The excess of births over deaths for the year 1896 was 1,554. In the three preceding years it was, respectively, 1,308, 1,568, and 1,194.

The ages at death of the Residents who died during the year are recorded in Table F* of the Appendix.

The percentage of deaths for each Age period was as follows :-

28.4°/, of the total deaths took place under the age of 1 year.

16.7 ,,			1
	"	,,	between the ages of 1 and 5.
47,,	",	,,	,, 5 and 20.
12.7 ,,	"	,,	,, 20 and 40.
19.5 ,,	,,,	"	,, 40 and 60.
15.7 ,.	"	11	,, 60 and 80.
2.1 ,,	"	"	over the age of 80.

Compared with the Metropolitan deaths, including Whitechapel, the infant deaths were as follows:—

The deaths of infants under the age of one year, in London, equalled 26·1 per cent. of the total deaths, and 16·1 per cent. of the registered births; whilst in the Whitechapel District those infants who died under the age of one year equalled 28·4 per cent. of the total deaths, and 14·4 per cent. of the registered births.

The deaths of children under five years of age, including the above, were for London equal to 42.7 per cent. of the total deaths, and 26.3 per cent. of the registered births; and for the Whitechapel District they were equal to 45.1 per cent. of the total deaths, and 22.9 per cent. of the registered births.

Table It has been introduced to enable one readily to contrast the mortality per cent. from each class of disease to total deaths, as regards both the Whitechapel District and the Metropolis as a whole.

In three classes only are there any considerable differences between them. In the Zymotic class, whereas London exhibits an increased mortality, the death-rate for the Whitechapel District has become again diminished. On the other hand, owing to circumstances, which are easily understood, the District deaths from both the Respiratory and Constitutional classes of disease are proportionally greater than in the case of the entire Metropolis. Just a word or two about the Zymotic diseases. During the year all but 31 of the deaths in this class were registered from Scarlet Fever, Diphtheria, Measles, Whooping Cough, and Diarrhea. In fact, 182 lives were sacrificed by these five diseases. Large as this number appears, it is fewer by 35 than was the case in the preceding year. Contrasting the years 1895 and 1896, I find the following figures to be correct:—

Deaths from:	1895.	1896,
Measles	 71	45
Scarlet Fever	 23	20
Whooping Cough	 17	35
Diphtheria	 52	45
Diarrhœa	 54	37

Taking Scarlet Fever and Diphtheria together, there is not much difference in the years under consideration. In reality, we are face to face with the startling truth, that notwithstanding all the efforts of the Managers of the Metropolitan Asylums Board, and notwithstanding the enormous increase in hospital accommodation, these diseases together cost London in lives and money more than one cares to contemplate. It is worth while for a moment to look at the figures extracted from the hospital returns for these diseases somewhat closely. For this purpose I will here show the weekly total number of cases in hospitals, and the weekly admissions throughout the year:—

		RLET ZER.	DIPHTI	HERIA.		SCAR FEV	ER.	DIPHT	HERIA.	
1896.	Total cases in Hospitals.	New cases admitted.	Total cases in Hospitals.	New cases admitted.	1896.	Total cases in Hospitals.	New cases admit(ed.	Total cases in Hospitals.	New cases admitted	
1st week	2830	320	683	98	27th week	2994	359	760	103	
2nd ,,	2839	290	658	96	28th .,	8088	319	758	97	
3rd ,,	2883	280	661	99	29th ,,	3161	320	745	87	
4th	2916	290	667	123	30th .,	3207	321	737	94	
5th .,	2879	273	687	102	31st ,,	3279	360	710	93	
6th .,	2883	285	706	94	32nd .,	3369	366	708	89	
7th ,,	2944	303	712	97	33rd .,	3368	378	691	97	
8th ,,	2937	231	713	108	34th ,,	3457	416	707	93	
9th	2933	244	717	97	35th .,	3443	333	698	86	
10th ,,	2857	241	700	70	36th ,,	3610	484	720	131	
11th	2764	217	699	102	37th ,,	3620	316	771	133	
12th	2773	277	706	117	38th ,,	3805	453	790	103	
13th .,	2744	224	705	105	39th ,,	3951	466	778	101	
14th	2676	186	686	82	40th .,	4020	454	787	98	
15th	2587	226	6:-6	. 78	41st ,,	4105	424	798	112	
16th .,	2527	201	671	90	42nd ,,	4073	372	803	105	
17th	2534	236	692	99	43rd ,,	4164	448	799	105	
18th ,,	2523	236	714	97	44th ,,	4160	367	793	122	
19th .,	2527	238	707	101	45th ,,	4137	384	813	115	
20th	2539	293	710	104	46th ,,	4134	362	796	103	
21st	2596	305	706	99	47th	4092	318	811	111	
22nd	2679 .	297	704	75	48th ,,	4030	333	788	110	
23rd	2717	318	729	132	49th ,	3989	350	805	115	
24th	2781	352	753	100	50th ,,	3971	353	817	126	
25th .,	2811	300	755	91	51et ,,	3868	291	828	125	
26th ,,	2882	322	749	112	52nd ,,	3763	219	850	129	

It becomes at once apparent that for nearly half the year the hospitals contained never fewer than 3,000 cases of Scarlet Fever, and throughout the year there were to be found constantly more than 650 cases of Diphtheria under treatment in the hospitals under the control of the Asylums' Board. At the close of the year nearly 4,000 cases of Scarlet Fever and 850 cases of Diphtheria were receiving attention as in-patients. So far as the matter concerns the Whitechapel District, I can only be thankful that our cases have been so well provided for. During the later summer months some delay in removal—of course—occasionally took place. For the sake of favourable comparison with last year's figures, I append from Mr. Cook's return the following extract:—

"Owing to insufficient hospital accommodation 104 cases of infectious disease were taken to their homes from the London Hospital, and they had to await varancies in the hospitals before they could be admitted."

"In 52 cases 3 daily applications were made for the removal of patients."

	7.4		4			
"	14	,,	4	"	"	11
,,	14 16	,,	5	11	",	,,
,,	3	,,	6	"	,,	"
	5			53	11	,,
,,	4	,,	8	,,	,,	. ,,

"In 27 cases removal was not effected at all owing to the delay." This difficulty was chiefly experienced immediately previous to the opening of the new Brook Hospital, at Shooter's Hill. Since that time no delay of importance has taken place. The Brook Hospital is the most modern institution of its kind, and is replete with every appliance that science and forethought could suggest. Although the cost of construction and fitting was considerable, I think few who inspect the buildings thoroughly would begrudge the outlay. I cannot, however, help thinking that something more is required to cope with these diseases successfullyand I look forward to the time when scientific research shall place a preventive serum in the hands of the medical profession, such as we at present possess in vaccine in the case of small-pox. Already, so far as the treatment of diphtheria is concerned, experience points to the enormous value of anti-toxin, and the Managers of the Metropolitan Asylums' Board have arranged for a supply of the remedy for use in cases which await removal to their hospitals. What is to be said concerning Small-pox? I am writing with the current week's statement of the Registrar-General, on my desk. I notice that the whole of London has been only able to produce two cases of Small-pox. With such a recent history as Gloucester in our minds, it seems scarcely necessary to give further proofs of the efficacy of vaccination in the prevention of Small-pox, but I would briefly refer to the long-looked for Report of the Royal Commissioners, who were so anxious to use up all the information which they obtained, that seven years were occupied altogether before the results of their labours were published. So many extracts from the Reports have appeared in the papers, that everyone is familiar with their general outline. So far as the value of vaccination is concerned, the Commissioners were practically unanimous in recommending it; indeed, some went so far as to declare their belief that re-vaccination should also be made compulsory. The most important differences between the Commissioners had reference to details in mode of carrying out their recommendations. Probably, early in the next Session, Parliament will consider the advisability of increasing the facilities for the gratuitous use of Calf Lymph, as well as other matters which will give effect to the recommendations of the Commissioners. Personally from a very large experience in all matters appertaining to vaccination, I still am strongly of opinion that the greatest success attends the use of humanized lymph.

It is not an unknown charge against vaccination, that deaths often result from its practice; in the Appendix to this Report, I have given the average number of deaths for each disease during the last ten years. Not a single death has been attributed to "Cow-pox and the effects of vaccination" within the Whitechapel District during the whole of that period.

In the entire Metropolis, among a population of four and a half millions, with a total of 81,744 deaths from all causes, seven are certified as due to "Cow-pox and the effects of vaccination." Probably over 100,000 primary vaccinations were performed among the 132,750 infants born during the twelve months, with the result that seven lives were lost from accidents connected with the operation. Much as this is to be regretted, the enormous balance which remains to the credit of vaccination appears from the fact that this splendid discovery which Dr. Jenner made known to the world 100 years ago, has been the means, wherever it is practised, of practically abolishing perhaps the most horrible and loathsome disease which ever afflicted mankind. Last year I had to report that a number of cases of Small-pox had appeared in the District as a result of the influence of certain philanthropic shelters, and that active measures were used to stop the spread of the disease. The year 1896 has produced only two cases of Small-pox, one of which came to us from Gloucester. It appears as though no lesson is sharp enough to teach the value of the operation to those persons who oppose the practice of vaccination. At a meeting of the Whitechapel Board of Guardians, and again in a recent copy of a local newspaper, one of the most active of these gentlemen called attention to some statements which appeared in my last Annual Report upon this subject. This gentleman, in his profuse verbiage, loses sight of one of the main points in my report, which is, that vaccination requires renewal, because although a primary vaccination in infancy does protect for many years against an attack of Small-pox, yet in the course of time its power to protect becomes gradually less. Let me take up the challenge of Mr. Haines, and inform him that the late Sir George Buchanan culled the following statistics from Dr. Barry's Report of the Sheffield epidemic of Small-pox in 1887-8.

"In children under 10 years of age, the attack-rate and death rate per "1,000 were as follows:—

"The attack-rate of the vaccinated equalled 5 per 1,000 un-vaccinated , 101 , The death-rate of the vaccinated , 09 , , , un-vaccinated , 44 ,

"Under the general circumstances, therefore, of the Sheffield epidemic, the vaccinated children had, as compared with the un-vaccinated children, iving in the Town, a 20 fold immunity from attack by Small-pox, and a 480 fold security against death by Small-pox. A consideration of the attack-rate and death-rate amongst children in invaded households give substantially the same results. Concerning persons over 10 years of age, Dr. Barry shows the attack-rates and death-rates to be as follows:—

"The attack-rate in persons twice vaccinated equalled 3 per 1,000
"" not " 19 "
"The death-rate in persons twice vaccinated equalled '08 "
"" once " " 1 "
"" not ", " 51 "

"So that the twice vaccinated persons over 10 years of age, as compared with the un-vaccinated persons of the same age, had a 31-fold immunity against attack by Small-pox, and a 640-fold security against death by

"Small-pox. Apart from re-vaccination in persons over 10 years of age, if vaccinated at all, there was a 5-fold immunity against attack by "Small-pox, and a 51-fold security against death by Small-pox, compared with the un-vaccinated people of the same age."

Let me add that during the Sheffield epidemic, 372 policemen were employed. All had been vaccinated in infancy. Ten of the men contracted Small-pox prior to February, 1888, when all were re-vaccinated. After the re-vaccination, none were attacked. Of 290 men and boys employed in the Post Office, all of whom in accordance with regulations had been re-vaccinated, not one contracted Small-pox. It is obvious that they would run especial risks as regards exposure. If any more statistics are wished for from Sheffield, they may be culled from Dr. Barry's Report. Now, if it be remembered that although Whitechapel is so well primarily vaccinated, re-vaccination has not been at all general among the residents, and my anxiety in 1895 may be understood. Let it be further remembered that re-vaccination was well carried out in connection with all cases of Small-pox which I investigated, and it will be clear why the threatened epidemic came to nought.

Before leaving this subject it were well to state that one of the objections most frequently raised against vaccination, is, that it is opposed to religion and that it is contrary to Bible teaching. The Jews have commenced to take up this line of argument. Hear what the Chief Rabbi says upon this point:—"I am greatly pained at seeing in the Report of the proceedings "at the Worship Street Police Court yesterday, that several Jews residing in Whitechapel have refused to have their children vaccinated, on the plea that they objected to do so on religious grounds. I hasten to assure you that there is not the slightest foundation for so silly and absurd a statement. I have at once taken steps, through the medium of the 'Jewish Chronicle,' to state that Jewish parents who refuse to have 'their children vaccinated, are guilty of a grave infraction, both of the 'Divine Law, and the law of the land.'

Enteric Fever has been frequently notified during the year, but the deaths from this disease have been few. I received from Mr. Wrack a report concerning this disease, after a visit to the house, made by him at my request. I append a copy of the Report:—

"Four cases of Typhoid Fever in one family have recently been notified. The "first was that of a boy aged 4 years, notified on the 23rd October; he died in the "Hospital. The second was a girl aged 3 years, notified on the 26th November; "she has been attended at home during her illness. The third and fourth cases, a "girl aged 10 years and a boy aged 15 months, were notified on the 28th "December; they are also being attended at home. The house consists of a "shop on the ground floor and four rooms above. On the first floor the front "room is occupied by the sick children, and the back room is used as a kitchen. "On the second floor are two bedrooms. The family now consists of the father, "mother, and seven children—four girls and three boys, whose ages are 18, 16, 14, "12, 10 and 3 years, and 15 months, respectively. The father carries on the "business of a butcher and poulterer, in the said shop, and at the time of my "visit at 3 o'clock this afternoon there were several customers in the shop, who "were being served by the father and mother and other members of the family. "Upon proceeding upstairs I found the two last notified cases in bed in the first "floor front room, no one else was in the room with the children. Shortly after I "had been upstairs some of the members of the family came to me from the "shop, and one of them (the eldest daughter) stated that she was nursing her "sisters. As it appeared to me to be advisible for the children's benefit, and for "the public safety to do so, I advised the removal of the children to the Hospital. "This the parents objected to have done, the father stating that he would sooner "close his shop. I subsequently saw the doctor who could not advise the "children's removal, for the reason that one of them was too seriously ill to be "removed, and that the child's life would be endangered by so doing."

The drainage of the house which proved to be defective was reconstructed, and such pressure was brought to bear upon the father, that ultimately he consented to close his shop until the place could be disinfected.

I ought to have mentioned that recently a number of cases of Scarlet Fever occured in the Tower of London, which although extra parochial, so far as rates are concerned, may exercise considerable influence upon the South portion of the District. In each case, when requested by the Surgeon-Captain to do so, I arranged for the removal and disinfection of the bedding used by the patient.

More than once your Board have been invited by other Authorities to pass a resolution in favour of the notification of Measles, as an infectious disease—but after a careful consideration of the matter, and after having read the opinions of other Medical Officers of Health, I have advised that the time has not yet arrived when such notification would be of much service. The question is one of the greatest importance, and demands more than local action. Nearly 4,000 deaths were attributed to Measles in the Metropolis during the year, and we have to deplore the loss of 45 children from the disease in our own District during the same period.

The annual average of deaths for 10 years from Diarrhœa amounted to 54. Last year 37 deaths were registered from the disease. naturally recalls the agitation which took place during the summer in the East of London, on account of the short supply of water which was afforded by the East London Water Company. Undoubtedly the supply of pure water in the District should be sufficient for all purposes. The curtailment of supply can only be attended by risk to the health and comfort of the people. I look in vain, however, for any evidence to prove damage to health by reason of our limited supply for so long a period. A Committee of your Board waited upon the Directors of the East London Water Company. Everything which could be done to mitigate the evil was promised by the Directors and by their Officers. Stand-pipes were erected in the most desirable places, and a supply of well-corked stone bottles were sent to the office to be distributed among the people where necessary. The drought suddenly came to an end, and during the six or seven weeks following, something like one-third of the year's rainfall took place. The fact remains that provision for the storage of water in East London has not kept pace with the increase of population, and future droughts may, and probably will, be attended by more than inconvenience to the inhabitants of the ill-served area. I notice that a Bilt has been deposited for next session by the East London Water Company, by which it is proposed to obtain powers to construct two large storage reservoirs. In the aggregate over 90 acres of ground will be acquired by the Company at Tottenham and Chingford. It is calculated that seven years will be required to complete the works, but in the meantime the Company seek for powers to agree with existing water companies for the use of their works, or the supply of water by them. For the purposes of this Act, power is sought to raise £500,000.

It will be seen that Whooping-Cough was responsible for about an average number of deaths, and that only 6 deaths were registered as being due to Influenza.

The disinfecting apparatus has given satisfaction, and has been of great service during the year. It has been the practice for some years partially, and during the past year entirely, to wash with Perchloride of Mercury solution, the interior of rooms where Small-pox or Scarlet Fever have occurred. This system has been added to the former plan of fumigation with Sulphur. From my experience, I think the innovation is valuable, and it will be continued.

After perusing the Tables in the Appendix, which set out roughly the work performed by the Sanitary Staff, you will agree with me that your Inspectors have well carried out most useful and beneficial operations. The increased number of notifications of Infectious diseases, as well as the extra work demanded by the Workshops' Acts of Parliament, have strained the energies of your staff. They have, however, thrown themselves into the work with a will that calls for recognition. I am obliged to do them this justice, because people who are not acquainted with their work are apt to undervalue the services which are rendered by them. As an illustration, you may remember how the Mansion House Council on the Dwellings of the Poor, through their local agent, proceeded against the owners of Booth Street Buildings under the Public Health (London) Act, 1891. It was alleged that your Officers had not performed their duty. The case was heard upon two occasions by Mr. Cluer at the Worship Street Police Court. The evidence for the prosecution was heard by me with great astonishment. I was present upon subpæna and gave evidence. The best comment upon the whole case is the summing up of the learned magistrate which I introduce here. "I do not see I have any option but "to dismiss this summons, I shall not be entitled to make an order "against the owner of these premises, unless they were in such a state as " to be injurious to health, and that was in the information set out. "With reference to the water-closets, the evidence as to that satisfies me "that though not perhaps such as would be seen in King's Palaces, at "the same time it is said by Dr. Willoughby that they are such as would " be put in by Sanitary Authorities. The principal point made with " reference to them was, that they were not fit for children, but if that is " so, I am afraid I shall have no power, so far as I can see, to order any " special class of water-closet to be put into buildings, so that children " can use them. It is the duty of parents to see that children use them, " if they are in accordance with Sanitary regulations. It is the duty of " parents to see that the children use the ordinary utensils, and not " commit a nuisance. Therefore, I cannot find that these premises are in " such a state as to be injurious or dangerous to health. I thought at " first that if it were true that there were no dust-bins at all all this time " on these premises, it would be impossible not to come to the conclusion "that the owner had been neglecting his duty, but it has now been "explained to me that dust-pails were supplied by the Vestry. "Mr. Easman says he gave notice to Mr. Reekie. It might be that "it was not given so soon as it might have been, but it is quite "clear that Mr. Reekie gave orders to replace them. It is quite "clear, therefore, that he did his best to replace them, because had "notice been given to the defendant with reference to those, it seems "to me he would at once have remedied that defect. The sinks on the "ground floor: as far as I can see, the defect in reference to them is " not that the water makes the place damp, but at one place it runs over. "That is an inconvenience that the owner would remedy of himself, but I " cannot say I should be justified in finding that that is injurious or "dangerous to health. If it were pointed out to the owner that there was "a defect, he would put it right, and you have someone on the premises "like Mr. Reekie, to whom you can apply at once. Under the present "circumstances he appears to have known nothing before about it, and the injury is unnecessary if the people take care. Now, as to the fenders " upstairs, there is conflicting evidence as to that, and considering this, "that on the last occasion, the whole of the contention as to that point " was-and I was rather surprised at it being put forward by the prosecu-"tion-that they were being stuffed up by the tenants who would empty " carrot peelings, tops of vegetables, etc., into these sinks and so fill them " over. I was rather surprised at that being taken as something for which "the owner was responsible. It was clearly a misuse by the tenants, not

"by the owner. But, now, to-day, the ground has been shifted from that. " Now it is said that, though there were four inches of cement, it is getting "shifted away, and the water is running down the wall and making the "premises damp. It is clear to my mind that that is not so, because fish "heads and other things are thrown into the sinks. These tenants are "reckless people. I expect they pay considerably higher rent because of "their carelessness. The probability is that if they were not so careless "they would have more money for their food. But I am satisfied that the " owner has seen to the rainwater pipes when they became defective. He " has had them repaired from time to time, and when a shoe is knocked " off it probably takes two or three days, or two or three weeks. That is "one's experience. When a tile is off you do not run at once to a " plumber, and you are not bound at once to remedy it. Other points were "put that there were no lights in the staircases or passages. I have no "power to put gas in a staircase. I have no power to make a man knock " a window through and make a light." *

The case was accordingly dismissed with 15 guineas costs. In the course of the evidence the prosecutor, who acts as Inspector for the Mansion House Council, admitted that he never called the attention of caretakers to nuisances which he thought to exist.

I can scarcely believe that the Committee and subscribers to this Council are aware that advertisements constantly appear in the local press inviting householders to communicate with the Council's Officers when they become aware of the existence of nuisances. Were the people advised to forward the information to the Sanitary Authorities which exist for the purpose of dealing with them, and whose machinery is ever ready to speedily treat such cases, much valuable time would be saved.

In the summer I gave the prosecutor in the above case some post cards requesting him to forward to me any complaints which came under his notice, but up to the present time I have not received a single one.

As a noteworthy contrast to this method for proving the raison d'être for the existence of the Society, I am glad to record my appreciation of the good work carried out by the Jewish Board of Guardians through their Sanitary Inspector. Conducting his duties upon different lines, this gentleman acts as a fellow worker with the Board's Officers.

I hope the Lord Mayor and the other Members of the Mansion House Council may be induced to assist Local Authorities in their work for the welfare of their Districts. We shall then most warmly welcome their efforts.

OLD AGE DEATHS.

Age Distribution of the Deaths.	Sub-Registration Districts	Distribution	1.
Between the ages of 80 and 85 20 85 and 90 11 Above the age of 90 3	Spitalfields Sub-District Mile End New Town Whitechapel Church Goodman's Fields	:: ::	8 6 16 4

Old Age						. 1	11
Heart Disease							5
Nervous Diseases							4
Respiratory Disease							5
Digestive Diseases		,					4
Other Diseases							5

^{*} From the Shorthand Writer's notes,

Fifteen men and nineteen women died at above the age of 80 years. One woman died at the age of 99 from Heart Disease accelerated by an accidental fall.

In the 53rd week of the year a woman aged 93 died from "Old Age." No Uncertified Death was registered during the year.

VIOLENT DEATHS.

Matal (1) 11 50	(Males,	 34.
Total number of Deaths, 59	· Females,	 25.

Age Di	stribution	a of Vic	olent	Deal	ths.		Sub-Registration Districts Distri	bution	
Under the Between th	age of l	of 1	and	5		10 16	Spitalfields Sub-District Mile End New Town do	::	26
11	11	5	9.9	20		6	Whitechapel Church do		19
11	**	20	,,	40		7	Goodman's Fields do		8
"	***	40	11	60		11			
"	311	60	**	80		9	the state of the s		

MORTUARY STATISTICS.

During the year 1896 a total of 156 bodies were deposited in the Mortuary. For the purpose of awaiting interment 16 bodies were admitted, and upon the remaining 140 inquests were held. 384 inquests altogether were held in the District—208 of which referred to District Residents. Those not held in the Coroner's Court, at the Mortuary, took place at the London Hospital or at the Whitechapel Union Infirmary. In 25 of these cases post-mortem examinations were made. The Fees paid by the Coroner for the use of the Court amounted to the sum of £25 4s. 0d. Shrouds had to be provided to the number of 22. Of the total 156 entries, all but 12 referred to District Residents, and they were distributed among the Sub-Registration Districts as follows:—

Spitalfields Sub-Registration District	Males Females	32 26— 58	
Mile End New Town Sub-Registration District			
	Males Females	24	
Goodman's Fields Sub-Registration District	Males Females	16	

Of the total admissions, 72 were children under the age of 1; 16 were between the ages of 1 and 5; 8 were between the ages of 5 and 20; 15 were between the ages of 20 and 40; 25 were between the ages of 40 and 60; 19 were between the ages of 60 and 80; and 1 was over 80 years of age.

A large number of the cases belonged to persons occupying only a single room. The Mortuary therefore has been a practical help in the sanitary work of the District. This remark applies both to the Jewish and general inhabitants, for all classes can and do avail themselves of the advantages of the building. At a recent meeting of the Sanitary Committee a Member called attention to the good work being performed by the Mortuary Keepers. I desire to endorse the commendation most heartily.

In again drawing attention to the Registered Common Lodging-Houses within the District I have little to add to the statement contained in my last Report. The London County Council's Officers are carefully going over the Houses, and improving the drainage connected with them. Your Officers assist so far as to overlook the work during its progress. For reference and comparison purpose I here introduce the customary information appertaining to this class of property:—

1896

REGISTERED COMMON LODGING-HOUSES.	No. of Admissions to Infirmary.	REGISTERED COMMON LODGING-HOUSES.	No. of Admissions to Infirmary
19, Brick Lane 41, Commercial Street 9, Dorset Street 11, Dorset Street 17, Dorset Street 30, Dorset Street 35, Dorset Street 56, Flower and Dean Street 58, Flower and Dean Street 1, Garden Court 16, Gt. Garden Street 34, Gun Street 1, Heneage Street 46, Hanbury Street 80, Lambeth Street 66, Leman Street 86, Leman Street	252 80 11 99 51 17 28 53 65 41 2 225 1	6, Lolesworth Street	6 38 2 101 62 114 26 33 18 8 224 18 4 2 154

REGISTERED COMMON LODGING-HOUSES, 1896.

Nar	ne of S	treet.			No. of Houses Registered.	Deaths in Infirmary and elsewhere of Lodgers.
Brick lane				 	6	6
Buckle street				 	1	_
Commercial street			**	 	2	17
Dorset street				 	14	28
Flower and Dean s	treet			 	4	10
Garden court				 	1	2
George yard				 	2	_
Grace's alley				 	2	-
Great Garden stree	t			 	2	4
Great Pearl street				 	1	_
Gun street				 	1 .	_
Hanbury street				 	5	_
Heneage street				 	1	14
Lambeth street				 	1	
Leman street				 	3	3
Lolesworth street				 0.0	2	1
Old Montague stree	t			 	1	_
Osborn place					6	21
Paternoster row					3	7
Princelet street					1	12
Queen street, Mile	End N	New To			î	
Thrawl street				 	2	2
Upper East Smithf	ield				2	10
Wellclose square					1	_
Wentworth street					5	13
Whitechapel road					2	12
White's row				 	3	_
			Totals	 	75	162

THE DEATHS TOOK PLACE AS FOLLOWS :-

In the	Whitechapel Infirmary		 			128
"	London Hospital		 			2
**	City of London Chest Ho	spital	 			1
"	River Thames		 			1
,,	Colney Hatch Asylum		 			1
**			 			1
33	South Grove Workhouse		 			1
"	At the several Lodging-H	ouses	 * *	**	* *	27
						162

These Registered Common Lodging-House Deaths were registered as caused by the following diseases:—

Zymotic Disease	98		 		 	1
Constitutional I	riseases		 		 	53
Respiratory	"		 	*.		48
Heart Diseases of the	Digagtina	Contana	**		 	22
		System			 * *	11
	Nervous	31			 	13
	Urinary	33	* *		 2.0	8
All other Diseas	es		 		 	6
						162

Model Dwellings have been erected in the District since I last reported. Roughly speaking, another thousand persons Model have thus been provided for. Some of these new buildings Dwellings. have only been occupied during a part of the year, and so, for statistical purposes, I have made such allowances as will render the results fairly accurate. The death-rate for the whole population inhabiting Model Dwellings amounted to 18.7 per 1,000 and the Zymotic death-rate was 2.6 per 1,000. As I have more than once suggested, all Model Dwellings are not equally models of good sanitary houses. Those which are below the standard naturally attract a class of occupants who make them rapidly worse. Such buildings will soon be added to the Register of "Houses let in lodgings, and occupied by members of more than one family." Already most of the "Furnished Rooms" have been placed upon the Register, and I hope during the current year to be able to proceed with this special work.

When all the new Model Dwellings are occupied, 20 per cent. of our population will be thus housed.

The customary Tables are appended:— MODEL DWELLINGS, 1896.

Name and Situation of Dwellings.	Number	Number of W.C's.		ber of itants.	Total Population.	Deaths
	Apartments.	W.C's,	Adults.	Children.	ropulation.	
Albert buildings	. 47	47	122		100	
Alexandra buildings	29	23	73	57	179	4
Alfred buildings	22	26	61	37	110	-
Blackwall buildings	122	80	368	25	86	2
Booth street buildings	200	30	272	295	663	31
D 3	200	250	549	351	623	15
Dean amiale building	000		926	548	1097	14
Dualita atmost hadding		280	10.000	480	1406	26
Callaga buildings		10	88	77	165	1
		54	110	61	171	4
Fleur-de-lis street buildings	132	132	310	200 -	510	11
Classic Lating		7	51	49	100	1
Gt Eastern bldgs Wieldeste at	25	12	59	36	95	5
Gt. Eastern bldgs., Fieldgate st.	47	32	97	78	175	-
Gt. Eastern bldgs., Quaker st		48	189	142	331	9
Godfrey house	10000	24	45	46	91	1
Helena house	(2) (2)	24	57	32	89	1
Howard's buildings	1000	83	232	118	350	7
Irene house		30	73	63	136	1
Katharine buildings		74	376	231	607	24
Lolesworth buildings	1.00000	69	395	210	605	11
Metropolitan buildings		60	221	67	288	4
Montague houses	24	12	75	52	127	1
Morrison's buildings (south)	54	54	132	30	162	3
Nathaniel buildings	170	151	375	420	795	13
New buildings	25	27	41	37	78	
Peabody bldgs., Commercial st.	60	45	156	68	224	2
Peabody bldgs., Glasshouse st.		120	665	409	1074	19
Pelham street buildings	-	72	213	133	346	5
Plough street buildings	46	15	107	84	191	6
Rothschild's buildings	228	218	549	591	1140	19
Royal Mint square	225	110	457	228	685	10
Ruth house	25	25	52	38	90	1
Shepherd street buildings	200	14	98	89	187	3
St. George's house		30	85	46	131	4
Strafford houses	10	40	161	94	255	1
Tenter buildings	26	13	43	26	69	1
Victoria buildings	1.0	16	38	24	62	1
Wentworth buildings	222	158	602	539	1141	9
Totals	3666	2515	8523	6311	14834	269

Mem.: —Several of the above dwellings were not inhabited throughout the whole of the year.

In the	THE DEATHS TOOK London Hospital					30
11	Hamanton Hamital					7.
	Nouth Westown E II	11.	* :		1.1	4
""	North-Western Fever Hos	pitai		 ***		4
22	St. Bartholomew's Hospits	ıl		 		3
**	Children's Hospital, Gt. O.	rmond	Street			2
"	Whitechapel Infirmary					2
,,	National Hospital				**	1
	Tlford Asylum				25	
22	Ilford Asylum	**		 **		1
33	middlesex mospital	7	* *	 		1
22	Mother's Home, Mile End			 		1
"	Metropolitan Hospital					1
33	North-Eastern Fever Hosp	oital				1
33	T) . TT					1
	South Factorn Fover Hoon	ital	**	 	**	1
4 47-	South-Eastern Fever Hosp	11111		 		1
t the	several Model Dwellings			 		216

269

Zymotic Diseases 42 Constitutional Diseases 52 Premature Birth and Old Age 9 Diseases of the Nervous System 30 """"""""""""""""""""""""""""""""""""	E DEATHS V	linna	707						
Premature Birth and Old Age 9 Diseases of the Nervous System 30 ,, Circulatory System 10 ,, Respiratory 80 ,, Digestive 30 ,, Urinary 3 ,, Integumentary System 3 Accidents 5 Other Causes 5	Zymone i	risea	ses			 			42
Diseases of the Nervous System 30 """ (Circulatory System) 10 """ (Respiratory) 80 """ (Digestive) 30 """ (Urinary) 3 """ (Integumentary System) 3 Accidents 5 Other Causes 5						 			52
Diseases of the Nervous System 30 """ (Circulatory System) 10 """ (Respiratory) 80 """ (Digestive) 30 """ (Urinary) 3 """ (Integumentary System) 3 Accidents 5 Other Causes 5	Premature	Birt	th and Old	l Age		 			9
,, , , , , , , , , , , , , , , , , , ,	Diseases of	f the	Nervous	Syste	m				
""" """ """ """ """ """ 30 """ """ """ """ 3 Accidents """ """ """ """ 3 Other Causes """								* *	
, , Digestive ,,	"	22			stem	 			10
,, ,, Urinary ,, 3 ,, ,, Integumentary System	33	11			**	7.3	4.4		80
Accidents	٠,	,,			**	 		0.0	30
Accidents	27	11				 			3
Other Causes		11	Integum	entar	y System	 			3
Other Causes						 			5
	Other Cau	ses				 		- 2.4	5

During the year 1896 there were altogether 5,223 new orders issued by the Relieving Officers for the attendance upon the recipients of the orders of the District Medical Officers. Of this number 3,748 passed at once into the Infirmary, of these over 67 per cent. belonged either to Registered Common Lodging-Houses or to one or other of the several Philanthropic Shelters of the District. Sub-joined is the Table giving the figures appertaining to the Shelters:—

1896.

SHELTERS.	No. of Admission Orders given by the District Medical Officers
*Salvation Army Shelter for men, 272, Whitechapel road	 213
" women, 194, Hanbury street	 274
" men, Quaker street	 65
,, men, Royal Mint street	 61
Church Army Shelter for men. 83. Whitechapel road	
Jewish Shelter, 84, Leman street	 2
Barnardo's Shelter for women, 12, Dock street	33
, 81, Commercial street	 21
Tenter Street East Philanthropic Shelter	33
Wood Street Church Army Home	 _
Working Lads' Institute, 137, Whitechapel road :	 -
Pelham House, Spital square	 _
	702

*Many more applications were made for admission into the Infirmary, but as the cases were not deemed by the Medical Officers sufficiently grave for hospital treatment, only workhouse admission orders were offered. In many instances they were not accepted.

And now, Gentlemen, I propose, without further comment, to leave the many Tables which I have introduced to tell their own story. Taken altogether, I believe the District to be in a much more satisfactory condition than it was in when I last reported. We must remember that so much of it belongs to the far remote, that many houses are very old, and much more supervision is required than is the case in newer neighbourhoods. The assistance of the inhabitants themselves must be invoked to bring to our knowledge nuisances and defects which would otherwise escape detection. Looking round, however, you will see evidence in new buildings appearing in exchange for old worn-out property all over the District, that improvements are being effected, and I would remind you that many more very important works have been carried out within the houses which can only be discovered by a general improvement in the sickness-rate and in the deathrate. In relation to much of our work, I have frequently to ask the advice and assistance of my colleagues, Messrs. Turner and Son, and I take this opportunity to thank them for their co-operation upon all occasions.

I have the honor to be, Gentlemen,

Your obedient Servant.

JOSEPH LOANE.

SPECIAL RETURNS

ORDERED BY THE LOCAL GOVERNMENT BOARD.

AREA AND POPULATION OF THE DISTRICT

TO WHICH THESE RETURNS RELATE:-

AREA IN ACRES, 406 (INCLUDING 23 ACRES OF WATER).

POPULATION IN 1891, 74,261.

,, ,, 1896, 78,676.

CENSUS OF PUBLIC INSTITUTIONS

On the Night of December 31st, 1896:-

THE LONDON HOSPITAL = 990*

THE WHITECHAPEL UNION INFIRMARY = 592†

1,582

* 635 of WHOM WERE PATIENTS.

† 528 of WHOM WERE PATIENTS.

TABLE OF DEATHS DURING THE YEAR 1896 IN THE METROPOLITAN SANITARY DISTRICT OF WHITECHAPEL. CLASSIFIED ACCORDING TO DISEASES, AGES AND LOCALITIES.

Mortality from all causes at subjoined ages. Membranous Croup. Diarrhors and Dysentery. 25 & under 65. 1 and under 5. 5 & under 15. DESCRIPTION OF SUB-REGISTRATION DISTRICTS, PUBLIC INSTITUTIONS, &c. Under 1 year. 65 & upwards At all ages. Small-pox. Whooping Cough. Scarlatina. Diphtheria. Errsipelas. Cholera, Mcasles. TOTALS. Typhus. Under 5 1st Qtr. 72 24 3 23 58 29 50 18 $\frac{12}{26}$ 5 upwards Under 5 Spitalfields-87 38 2nd ,, 3 2 24 5 upwards Under 5 3 6 _ 2 (Sub-Registra-72 37 11 21 38 3rd ŏ 5 upwards Under 5 tion District) 4th ,, 81 24 3 25 5 upwards 28 2 5 Under 5 Total for year 312 123 7 82 37 5 upwards Under 5 129 22 61 22 19 1st Qtr. 38 upwards Mile End Under 5 2nd ,, New Town-Sub-Registra-5 upwards Under 5 $\frac{26}{29}$ _ 4 71 137 33 8 1 3 3rd tion District) upwards 32 Under 5 4 74 22 134 22 4th ,, 5 upwards 18 Total for year 533 99 11 13 281 74 5 upwards 73 Under 5 5 upwards Under 5 Deaths occur-3 28 87 ing in the Whitechapel Union Infir-2nd 5 upwards 79 10 87 23 5 upwards Under 5 mary 25 4 64 19 4th 5 upwards 2 11 250 63 Under 5 5 upwards 98 Total for year 361 23 12

	61
1	
3	

		Mor					ises a	t		1	2	3	4	5	6	7	8	9	10	11	12	18	14	15	16	17	18	19	20	21		
DESCRIPTION O REGISTRATION D PUBLIC INSTITUT	ISTRICTS,	At all ages.	Under 1 year.	1 and under 5.	5 & under 15.	15 & under 25.	25 & undet 65.	65 & upwards.	Age.	Small-pox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enterie, or Typhoid.	Continued.	Relapsing.	Paerperal.	Cholera.	Erysipelas.	Measles.	Whooping Cough.	Diarrhosa and Dysentery.	Rheumatic Fever.	Ague.	Phthisis.	Bronchitis Pneumonia & Pleurisy.	Heart Discase.	Injuries.	All other cause	To	TAL.
Whitechapel Church— (Sub-Registra- (tion District)	1st Qtr. 2nd ,, 3rd ,, 4th ,,	342 314 352 307	55 52 70	58 64 59	20 19 30	34 17 24	150 150 137	25 12 32	Under 5 5 upwards			16 1 10 - 8 5 7 2			- 4 - 2 - 10 - 10			_ _ 1 _ _ _		1 - 1 1 1 1 3	2 -7 -7 -1 -	8 2 3 - 2 -	1 - 2 - 15 2 1 -			1 17 3 11 - 8 1 5	28 26 28 25 29 18 32 21	3 42 1 23 — 30 — 34	14 28 14 26	40 111 39 113 52 121 40 104	113 \ 229 ; 116 \ 198 ; 129 \ 223 ; 100 \ 207 ;	342 314 352 307
Tot	al for year	1315	235	223	95	99	580	83	Under 5 5 upwards	-	1	41 8	1	=	26	_	_	1	=	5	17	15	19 2	2		5 41	117 90	_	103		458) 857)	1315
Deaths occur- ing in the London Hos- pital.	1st Qtr. 2nd ,, 3rd ,, 4th ,,	278	31 27	51 45	17 28	15 23	140	6 26	Under 5 5 upwards Under 5 5 upwards Under 5 5 upwards Under 5 5 upwards	-		13 1 10 			3 -2 -10 -10			_ _ 1 _ _ _		1 - 1 1 - - 3	3	1 - - 8 1 1				1 12 2 9 - 7 1 5	16 19 20 18 19 16 16 14	2 38 1 21 27 1 31	13	23 97 26 105 23 115 20 95	69 198 198 178 72 206 58 186	267 260 278 244
Tot	al for year	1049	110	171	89	91	531		Under 5 5 upwards	-	-	34 6	=	=	25	=	=	1	=	2 4	3	10	_	2	=	4 33	71 67	117	61 100	92 412	281) 768)	1049
Deaths of Non- Residents Re- gistered with- in the White- chapel District	3rd "	248	19	43	15 23	13	122 128 124 125	4 23	Under 5 5 upwards	3 -		9 1 9 4 4 5 1	1111111	11111111	-4 -2 -9 -9	11111111				1 - 1 - - - 3		1 - 2 - -	- - 7 1 -			1 11 2 10 - 6 - 5	15 15 12 15 13 12 13 13 13	1 29 1 17 - 25 - 31	7 29 18 18 11 25 9 25	18 90 20 96 19 110 15 91	53 179 62 160 56 192 42 180	232 222 248 222
To	tal for year	924	76	137	77	83	499	52	Under 5	-	-	27	-	-	- 24	-	-	-	-	1 4	=	3	7	- 2	=	3 32	53 55	102	45 97	72 387	213) 711	924

TABLE OF DEATHS DURING THE YEAR 1896 IN THE METROPOLITAN SANITARY DISTRICT OF WHITECHAPEL—(Continued). CLASSIFIED ACCORDING TO DISEASES, AGES AND LOCALITIES.

		Dic	rtalit	y ire	om a	ill ca	DS4 B	n.t		1	2	8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
				.2.1			-	- 2		1					F	EVEB	S.															
DESCRIPTION O REGISTRATION D PUBLIC INSTITUT	ISTRICTS,	At all ages.	Under 1 year	1 and under 5	5 & under 15	15 & under 25.	25 & under 65	65 and upwards	Age.	Staall-pox.	Searlatina.	Diphtheria.	Membras ous Croup.	Typhus.	Enterie or Typhoid.	Continued.	Relapsing.	Paerperal.	Cholers.	Erysipelas.	Measles.	Whooping Cough.	Discribora and Dysentary.	Rheumatic Fever.	Ague.	Phthisis.	Bronchitis, Pneur onia, & Pleurisy.	Heart Disease	Injuries.	All other causes.	TOTAL	LS.
T .	(1st Qtr.	37	9	8	1	_	16		Under 5	-	_	1	_	-	_		_	-	-	_	1	2	_	-	_	-	3 3	7	1	8	16)	37
Fields—	2nd ,,	35	13	10]	4	7		Under 5 5 upwards		_			=	_	_	_	=	=	=	1	4	=	_	_	2	4 4	- 2	1	14	23 12	35
Sub-Registra- tion District)	3rd ,,	35	18	4	1	3	7		Under 5 5 upwards	_]	1	_	_	_	1	_	=	_	=	1	1	1	_	_	1 2	3 1 6	2	1	14 5 13	13)	31
	(4th ,,	46	16	6	1				Under 5 5 upwards		_	_	_	=	=	_	=	=	_	_	Ξ	_	Ξ	=	-	3	5	7	_	9	24 j	46
Tota	l for year	153	56	28	4	8	42		Under 5 5 upwards	=	1	2	=	_	_	1	=	_	_	_	3	7	1	=	_	8	16 13	18	6	49 23	$\frac{83}{70}$ 1	153
Deaths of	1st Qtr.	60	6	11	5	5	24	27	Under 5 5 upwards	-	2	4 2	=	-	1	=	_	I	_	_	1	1		=	=	_ 11	2 4	_ 5	_	8 18	43)	60
District Resi- dents regis- tered in out-	2nd ,,	59	4	8	2			18	Under 5 5 upwards Under 5	-	1	1 - 5	=	_	=	_	_	=	=	=	=	_	=	_	=	7	9	4	1	26 5	10)	59
lying Public	3rd ,,	40	5		2	3	14	9	5 upwards		2 5			_	-				-	-		_	_	=	_	4	1 3	5	1	11 5	24	40
Institutions	4th ,,	60	8	10	7	2	19		Under 5 5 upwards		2	2	=		1	_	_	-	_	1	1	_				2	2	7	4	20	42	60
Total	for year	219	23	40	16	13	81		Under 5 5 upwards		12 4	14 4	-	-	2	_	=	-	_	1	_ 2	1	1	-	_	1 24	11 16	21	1 6	22 75	$\binom{63}{156}$ 2	219

TABLE OF POPULATION, BIRTHS, AND NEW CASES OF INFECTIOUS SICKNESS coming to the knowledge of the Medical Officer of Health during the year 1896, in the Metropolitan Sanitary District of Whitechapel; Classified according to Diseases, Ages and Localities.

				C	ASES O	F. INF	ECTIOU	s Dis	EASE :	Notif	IED.						(CASES	REMO	VED T	о Нов	SPITAL	8.		
NAMES OF LOCALITIES, &c.	Population at all ages. Census Population, 1896.	Births during 52 weeks of 1896.	Ages.	Small-pox.	Scarlet Fever.	Diphtheria.	Membranous Croup.	Typhus Fever.	Enteric Fever.	Contind. Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Small-pox.	Scarlet Fever.	Diphtheria.	Membranous Croup.	Typhus Fever.	Enteric Fever.	Contnd. Fever.	Relapsing Fever.	Poerperal Fever.	Cholera.	Erysipelas.
Spitalfields— Sub-Registration District	26681	_	Under 5 yrs. 5 yrs. & over		70 101	38 41	3 1	_	3 22	_	_	_	_	3 36	1	54 85	28 19	1 1	-	2 17	=	_	=		1 19
Mile End New Town— Sub-Registratn.Dis- trict (not including	12816	24.]	Under 5 yrs. 5 yrs. & over		104 65	41 30	3	_	9	_		=	_	5 27	=	68 53	24 13	1	=	6	_	-	_	=	2 12
the Infirmary) Whitechapel Church— Sub-Registratn.District (not including	25561	Table, page	Under 5 yrs. 5 yrs. & over		76 102	65 44	3	_	2 11	=	=		_	4 31	1	54 69	47 31	=	=	1 8	_	=	-	=	18
the London Hosp.) Goodman's Fields— Sub-Registration District	13618	[See T	Under 5 yrs. 5 yrs. & over		28 36	17 27	1	=	-6	-	_		_	3 19	_	16 28	10 20	-	_	5	_	_	_	_	3 11
London Hospital—	990	-	Under 5 yrs. 5 yrs. & over	_	23	-8	_	_	_	_	_	_	=		=	=	_	_	_	_	_	=	_	_	_
Whitechapel Infirmary—	592	-	Under 5 yrs 5 yrs. & over		1					_	=		_	7		_	-	_	-	=	_	_	_	-	_
		TOTALS	3	3	506	311	12	_	55	_	_	2	_	136	2	427	192	3	_	39	-	_	-	_	66



APPENDIX.

Table A .- Births Registered in the Whitechapel District during the year 1896.

Sub-Registration	Spital-	Mile End	White- chapel	Goodman's	To	TAL.
Districts.	fields.	New Town	Church.	Fields.	Boys.	Girls.
First Quarter	227	174	223	99	376	347
Second ,,	302	238	266	104	489	421
Third ,,	242	189	242	104	403	374
Fourth "	233	185	231	109	370	388
TOTAL	1004	786	962	416	1638	1530
					31	68

Correct total District Births: 3157 (11 children born in the Infirmary whose mothers were non-residents).

Table B.—Deaths Registered in the Whitechapel District during the year 1896.

Sub-Registration	Spital-	Mile End	White- chapel	Goodman's	TOTAL.		
Districts.	fields.	New Town	Church	Fields.	Males.	Females	
First Quarter	72	129	342	37	345	235	
Second "	87	133	314	35	358	211	
Third ,,	72	137	352	35	376	220	
Fourth ,,	81	134	307	46	315	253	
TOTAL	312	533	1315	153	1394	919	
					28	313	

Table C.—The Deaths of 929 Non-Residents which took place within the District during the year were Registered as under:—

Spitalfields.	Mile End New Town (Whitechapel Infirmary).	Whitechapel Church (London Hospital).	Goodman's Fields (River Thames).	
Nil.	22	898	9	Males - 590 Females - 339

were registered during the 53rd week of the year, and 18 Deaths of Non-Residents were registered in the District. Seven Residents died in Out-lying Public Institutions. These Births and Deaths, correctly disposed, are as follows:—

		Spitalfields.	Mile End New Town.	Whitechapel Church.	Goodman's Fields,
Births	 	15	20	30	6
Deaths	 	16	3	11	5

Of the Non-Residents who died, 12 were Males and 6 were Females.

TABLE D.—OUTLYING PUBLIC INSTITUTIONS AND OTHER PLACES WHERE RESIDENTS OF THE WHITECHAPEL DISTRICT DIED DURING THE YEAR.

Name of Institut	ion.		No. of Deaths.	Name of Institution.	No. of Deaths
ASYLUMS' BOARD HOS	SPITALS-			Brought forward	191
Brook Fever Hos	spital		2	Hand-in-Hand Asylum	1
Homerton Fever	Hospita	1	10	Hyde Park	1
North-Eastern	do.		8	Jewish Home, Stepney Green	1 4
North-Western			11	King's College Hospital	2
South-Eastern	do		6	King's College Hospital	9
Banstead Asylur	m		4	Metropolitan do	3
Bethnal House	Asylum		1	Mile-End-Old-Town Infirmary.	0
Cane Hill	do		1	National Hospital	1
Caterham		**	1	National Hospital North London Hospital for Con-	1
Claybney	do.	**	1	North London Hospital for Con-	-
Colney Hatch	do.	* -	6	Sumption	1
Daranth	do.	* *	2	Poplar and Stepney Sick Asylum	2
Claybury Colney Hatch Darenth Hanwell Ilford	do.	* *	1	Regent's Canal	2
Ilford	do.	* *	11	Royal Chest Hospital	3
Leavesden	do.			Royal Free do	1
Brompton Hospital	ao.	4.0	5	St. Bartholomew's Hospital	19
Cancer do.			2 2	St. George's Workhouse	1
Chalcas Information		* *	1	St. Peter's House	1
Chelsea Infirmary	0.0		1	Soho Hospital	1
Children's Hospital,	Gt. Ormo	na	_	South Grove Workhouse	39
street			5	Station Hospital, Rochester row	1
Children's Hospital,	Shadwell	: -	15	Thames River	1
City of London Ches	t Hospita	LL	3	Westminster Hospital	1
do. do. Infiri	mary		4	Other Places	3
East London Mothers	Home		1	[Vide Mem.—* As to 7 Deaths	
Evelina Children's H	ospital	**	2	in Outlying Public Institutions	
German Hospital, Da	liston		15	which took place during the	
Guards' Hospital, Vin	icent Sq.		1	53rd week of the year.]	
Carried forward			121	TOTAL	219

127 were Males and 92 were Females.

	E REGISTERED AT THE FOLLOWING AGES:-
Under the Age of 1 year Between 1 and 5 years	. 39 . 40 . 60
,, 5 ,, 20 ,, Over th	. 20 ,, 60 ,, 80 ,, 53 ne Age of 80 years 9

Causes of Death of District Residents who Died in Outlying Public INSTITUTIONS AND OTHER PLACES OUTSIDE THE DISTRICT.

Measles		2	Old Age 13	Diseases of Urinary
Scarlet Fever		15	Apoplexy 3	System .: 5
Whooping Cough		1	Epilepsy 1	Disease of Generative
Diphtheria		18	Convulsions 1	System 1
Enteric Fever		2	Other Diseases of	Accidents of Child-
Diarrhœa		1	Nervous System 35	Birth 2
Tenningles		2	Diseases of Circula-	Diseases of Locomo-
December 1		2	tory System 22	tive System 2
Dhanmatian		1	Bronchitis 8	Suicide by Poison 1
Disheta		1		Balcide by Poison 1
Cancer		5		ACCIDENTS-
Tubercular Mening	ritis	3	Other Respiratory	0.11
District		25	Diseases 2	T) .
Tuberculosis		2	Peritonitis 1	Drowning 3
Other Constitution	al		Disease of Liver 1	Fracture, &c 2
Diseases		9	Other Diseases of	Tem: 010
Premature Birth		- 1	Digestive System 5	TOTAL 219

* MEM.: -7 persons died in the 53rd week of the year as follows: At the Children's Hospital, Shadwell, male, 2 months, from Specific Disease.

the Children's Hospital, Shadwell, male, 2 months, from Specific Disease.

" Colney Hatch Asylum, male, 47 years, from Disease of the Nervous System.

" Ilford Asylum, male, 33 years.

" do. do.

" South-Eastern Fever Hospital, female, 4 years, from Diphtheria.

" Homerton Fever Hospital, female, 15 months, from Scarlet Fever.

" City of London Chest Hospital, female, 17 years, from Phthisis.

South Grove, male, 72 years, from Apoplexy.

TABLE E.—CORRECT DISTRICT MORTALITY TABLE. Residents' Deaths, wherever registered, being correctly referred to their proper Sub-Districts.

1	Sub-Regist Distri	tration ets.	Spital- fields	Mile End New Town	White- chapel Church.	Goodman's Fields.	Total.
First Qu Second Third Fourth	narter		 146 169 138 151	72 75 66 63	134 109 127 124	55 53 57 64	407 406 388 402
	TOTAL		 604	276	494	229	1603 (M. 931 F. 672
In the 5	3rd wee	k	 16	3	11	5	(M. 23 F. 12

Table F.—Showing the Age at Death of the Residents who Died during 1896.

	1st Quarter.	2nd Quarter.	3rd Quarter	4th Quarter.	TOTAL.
Under the age of 1 year .	. 98	109	140	109	456
Between 1 and 5 years .	70	76	64	58	268
5 90	. 22	16	18	20	76
90 40	46	55	47	56	204
10 00	. 85	85	74	69	313
	. 79	55	37	81	252
0 11 500	. 7	10	8	9	34
TOTAL	. 407	406	388	402	1603

In the 53rd week 4 died under the age of 1 year; 7 between the ages of 1 and 5; 4 between the ages of 5 and 20; 7 between 20 and 40; and 6 each between 40 and 60, and 60 and 80.

METROPOLITAN BIRTHS AND DEATHS :-

Table G .- Total Births and Deaths; also Deaths under 5 years of age.

Number o	f Births in 1	London	during the	year 1	896	 	132,750
,,	Deaths	,,	,,	,,			81,744
11	" und	ler 1 yea	ar of age			 21,442	34,974
,,			ages of 1				

TABLE (H) .- DISTRICT MEDICAL OFFICERS' ANALYSIS OF CASES FOR 1896.

Diseases.	1st Quarter.	2nd Quarter.	8rd Quarter.	4th Quarter.	TOTAL.	Diseases.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTAL.
All Causes	1416	1187	1227	1393	5223	40 Apoplexy	1 8	13 3	 8 1		1 29 4
ZYMOTIC DISEASES.						43 Other diseases of brain and nervous system	48	45	51	61	205
1 Small- Vaccinated Unvaccinated No statement 2 Measles 3 Scarlet-Fever	2	 17 1	 25 15	 1 1	 47 19	44 Diseases of organs of special sense	14 43	10 26	21	16 27	61
4 Typhus ,, 5 Relapsing Fever 6 Influenza 7 Whooping-Cough 8 Diphtheria 9 Simple, Continued and	34 11	25 4 2	15 2 4	26	100 17 8	46 Croup	203 4 9	126 6 9 135	76 5 1 120	146 4 3 239	551 19 22 658
ill-defined Fever	6	i5 ::	47	12	80	51 Dentition		1 14 1 3	14 7	1 20 5	3 63 1 15
Vaccination	41 3 	24 4 ···	43 3 	32 5 	140 15 	57 Diseases of lymphatic system and ductless glands	9	2 28	7	6 30	24
22 Thrush	1	1			1 2	59 Diseases of generative system	74	64	72	50	260
24 Starvation, want of breast-milk	13 5	25 10	12 13	24 6	74 34	60 Accidents of childbirth 61 Diseases of locomotive system	160	152	166	194	672
26 Rheumatic Fever and rheumatism of heart) 27 Rheumatism	122	104	104	147	477	62 Diseases of integumentary system	74	63	48	54	239
28 Gout	2 2 3 20 2 3	6 25 2	··· 2 19 ··· 2	5 4 20 5	13 ·· 2 9 ·· 84 2 12	ACCIDENTS. 63 Fracture and contusion 64 Gun shot wounds 65 Cut, stab 66 Burn and scald 67 Poison	 3 1	45 4 2 2	47 6 4	63 4 4 1	209 14 9 8
36 Premature birth	··· ·· ·i	4	1	4	 10	68 Drowning	147	87	141	98	473

Table I.—CLASSIFICATION OF CAUSE OF DEATH IN DISTRICT, CONTRASTED WITH LONDON.

A CALL CONTRACTOR OF THE PARTY	PERCENTAGE OF TOTAL I	DEATHS TO
CLASS OF DISEASE.	County of London including Whitechapel	Whitechapel District.
Zymotic Diseases (as named in th Registrar-General's Returns)	e 19·03	13.28
Parasitic Diseases	0.05	0.06
Privation and Alcoholism	. 0.71	0.31
Constitutional Diseases	. 19.78	22.21
Premature Birth and Old Age	6.54	4.30
Diseases of the Nervous System .	. 10.10	9.66
,, Organs of Special Sense .	. 0.22	0.06
,, Circulatory System	. 8.20	8.85
" Respiratory "	. 17.51	24.51
" Digestive "	. 6.16	8.29
" Lymphatic "	. 0.41	0.06
,, Urinary ,,	2.72	2.62
" Generative "	. 0.33	0.31
Accidents of Childbirth ,,	0.33	0.56
Diseases of Locomotive System .	. 0.30	0.31
" Integumentary " .	. 0.34	0.43
Violent Deaths-Accident	. 3.48	3.68
Homicide	.)	
Suicide	0.60	0.31
Execution	.)	
Other Causes	3.25	-

TABLE J.-VACCINATION STATISTICS.

Certificates of suc the Vaccination Off	ccessful Vaccination reicer:—	egistered	by Mr.	W. M	. Sher	man
Born in the Whitech	apel Union					2714
Resident in the Unio	on, but born elsewhere					168
	Total 12 returned as "Ins	usceptible	.;;			2882
Public Vaccinator's	Statistics:—					
	By Public Vaccinator			under above	1 year 1 year	1776
Primary	By Infirmary Medical	Superinte	ndent	(under above	1 year 1 year	
Re-Vaccination }	By Public Vaccinator	10. 11			Nil	
	By Infirmary Medical	Superinte	ndent	/	Kil	

Table L.-METROPOLITAN DEATHS FOR FOUR QUARTERS ENDED DECEMBER 26TH, 1896.

		-									
Causes of Death.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTAL.	Causes of Death.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTAL.
All Causes	21619	19699	20727	19699	81744	40 Apoplexy	544 106 442	507 87 414	457 69 487	571 92 445	2079 354 1818
MMOTIC DISEASES. 18mall- Vaccinated Unvaccinated	2	i	ï			43 Other Diseases of Brain and Nervous System	1036	1002	1018	954	4010
No statement Measles Scarlet Fever	3 1384 264	1630 197	497 218	170 244	5 3681 923	44 Diseases of Organs of Special Sense	41	50	51	43	185
Fletapsing Fever Influenza Whooping cough	1 168 979	129 1188	42 504	1 143 220	6 482 2891	45 Diseases of the Circulatory System	1842	1553	1463	1851	6709
9 Simple, Continued &) Ill-defined Fever	683 4 137	567 3 81	649	736 3 197	2635 12 578	46 Croup	2544 1744 64	1454 1342 67 248	826 816 52 197	2528 1526 65	7352 5428 248
Il Simple Cholera	129	5 269 1	89 2625	1 186	95 3209 2	50 Other respiratory dis's. 51 Dentition	123 6	116 17	119 27	95 20	1145 453 70
li Glanders	2	2	1	2	4 7	53 Enteritis	170 72 279	219 73 259	1050 70 343	230 65 302	1669 280 1183
Il Venereal Affections B Erysipelas P Pyæmia & Septicæmia P Paerperal Fever	116 45 22 59	110 39 28 47	104 51 22 53	108 63 18 63	438 198 90 222	Digestive System 5 57 Diseases of Lymphatic system and Duct-	390	353	411	334	1488
10 Other Zymotic diseases	27	15	15	17	74	less glands) 58 Diseases of Urinary)	27	33	35	21	116
Worms and other Parasitic diseases		2	3	4	9	system) 59 Diseases, Generative)	606	521	491	606	2227
Harvation, Want of Breast-milk	19 110	13 129	18 141	10 146	60 526	system j	68	62	76	67	273
Rheumatic Fever and Rheumatism of the					000	60 Accidents of Childbirth 61 Diseases of Locomo-)	72	69	56	80	277
Heart	90 26 47	63 30 38	103 30 34	125 28 30	381 114 149	tive system) 62 Diseases of Integu-	75	59	59	59	252
23 Rickets 30 Cancer 31 Tabes Mesenterica	73 903 198	64 1015 203	56 918 451	50 947 197	243 3783 1049	mentary system	67	54	78	80	279
Tubercular Meningitis Phthisis Scrofula, Tuberculosis Other constitut'nl dis's	264 1933 258 172	336 1860 258 147	325 1793 273 144	243 2022 201 223	1168 7608 990 686	63 Accidents 64 Other than Accidental	728 129	695 135	681 128	742 102	2846 494
% Premature Birth	564	557	702	650	2473	65 Other Causes	588	567	896	611	2662
37 Atelectasis 38 Congntl. Malformatns. 39 Old Age	56 105 594	49 96 500	57 109 531	76 103 598	238 413 2223	66 Inquests	1870 154	1744 118	1684 121	1942	7240 530
					-						

TABLE (M).-WHITECHAPEL DISTRICT DEATHS FOR 1896.

CAUSES OF DEATH.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTAL.	CAUSES OF DEATH.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTAL.
All causes	407	406	388	402	1603	45 Diseases of the circulatory system	38	32	32	40	142
ZYMOTIC DISEASES. 1 Small- Pox						46 Croup	3 54 37 2	1 53 52	2 34 25 1	47	8 192 161 3
2 Measles	9	17 2	15 7	8	45 20	50 Other respiratory diseases	9 2	7	8	5	29
4 Typhus ,,	2 15 15	2 15 4	3 13	2 2 13	6 35 45	51 Dentition	3	1 4 21	··· 2 4	1 5 18	 4 16
10 Enteric Fever	2	5	28	3	7 37	57 Diseases of lymphatic) system & ductless glands		1			1
13 Remittent Fever 14 Hydrophobia	::	::				58 Diseases of urinary system	11	13	7	11	42
15 Glanders						59 Diseases, generative system	2	-1		2	5
17 Venereal affections 18 Erysipelas 19 Pyæmia and Septicæmia		2	3	1 3 2	6 6 4	60 Accidents of childbirth	5	1		3	9
20 Puerperal Fever 21 Other Zymotic diseases			i		i	61 Diseases of locomotive system	1	3		2	6
22 Thrush					1	62 Diseases of integumentary system	1		2	4	7
24 Starvation, want of breast milk) 25 Alcoholism	·i	1 2		2	1 5	VIOLENT DEATHS. (Accident.)					
26 Rheumatic Fever and rheumatism of heart) 27 Rheumatism				··i	·:	63 Fracture and contusion 64 Gun shot wounds 65 Cut, stab	4	7	9	6	26
28 Gout	2	3 17 3 6	1 11 7 3	1 8 4 5	2 4 45 16 21	66 Burn and scald 67 Poison	1	7 1 1 1	2 1 2	5 1 1	19 4 7 3
33 Phthisis	54 4 14	40 5 15	34 5 22	37 3 34	165 17 85	(Homicide.) 71 Murder and manslaughter		1			1
36 Premature birth	9 8	12	10 4	5 1 12	36 1 32	(Suicide.) 72 Gun shot wounds	·i				ï
40 Apoplexy	13	2 10 23	3 8 19	11 3 13	23 5 44 83	73 Cut, stab		i	1		1 1 1
44 Diseases of organs of special sense	-			1	1	(Execution.) 78 Hanging					

TABLE M.—ANNUAL AVERAGE NUMBER OF DEATHS FROM EACH DISEASE DURING THE 10 YEARS ENDING 1895.

ZYMOTIC DISEAS	ES.	ZYMOTIC DISEASE	s.
1 Small- Vaccinated Unvaccinated No statement 2 Measles Scarlet Fever 4 Typhus ,,	50·1 20·3 ·4	46 Croup	17·0 219·6 146·0 4·5
5 Relapsing Fever 6 Influenza 7 Whooping Cough 8 Diphtheria 9 Simple, continued and Ill-defined Fever 10 Enteric Fever 11 Simple Cholera 12 Diarrhæa, Dysentery	17.5 33.7 38.8 -6 9.0	51 Dentition	19·5 1·5 ··· 7·4 15·7 74·6
13 Remittent Fever	-1	57 Diseases of Lymphatic System and Ductless Glands	1.1
17 Venereal Affections 18 Erysipelas 19 Pyæmia and Septicæmia 20 Puerperal Fever 21 Other Zymotic Diseases	2.9	System	49.8
22 Thrush	·6	60 Accidents of Childbirth 61 Diseases of Locomotive System	9.5
24 Starvation, Want of Breast-milk	2·0 3·3	62 Diseases of Integumen- tary System	6.0
26 Rheumatic Fever and Rheumatism of Heart 27 Rheumatism 28 Gout 29 Rickets 30 Cancer 31 Tabes Mesenterica 32 Tubercular Meningitis 33 Phthisis 34 Scrofula, Tuberculosis 35 Other Constitutional Diseases 36 Diseases 37 Diseases 38 Diseases 38 Diseases 39 Diseases 30 Diseases 3	2·3 3·3 1·4 4·3 40·2 22·9 14·8 167·7 19·5	VIOLENT DEATHS. (Accident.) 63 Fracture and Contusion 64 Gun Shot Wounds 65 Cut, Stab 66 Burn and Scald 67 Poison 68 Drowning 69 Suffocation 70 Otherwise	18·1 ·1 ·5 9·8 1·4 2·4 19·9 2·9
36 Premature Birth	30·0 ·7 ·5 63·0 30·4 7·0 47·0	(Homicide.) 71 Murder and Manslaughter (Suicide.) 72 Gun Shot Wounds 73 Cut, Stab 74 Poison 75 Drowning 76 Hanging 77 Otherwise	1·4 ·3 ·8 1·4 ·3 1·7 ·3
44 Diseases of Organs of special sense	1·6 128·8	78 Hanging (Execution.) 79 Other Causes	1.0

TABLE P .- SANITARY AND OTHER WORK PERFORMED BY THE INSPECTORS .- 1896.

CLASSIFICATION OF WORK.	Quarter ended Mar. 28th.	Quarter ended June 27th.	Quarter ended Sept. 26th.	Quarter ended Dec. 26th.	Totals for the year.
Number of Inspections of Houses as shown in the Official					
	7302	7449	5993	6184	26928
Returns	556	675	612	457	2300
Number of statutory notices served	50	41	69	122	282
Number of statutory notices served	11	38	45	52	146
Number of letters sent	185	232	360	362	1139
Summonses taken out under Public Health (London) Act ,, Adulteration of Food and	22		11	33	66
Drugs Acts Cellars used as dwellings caused to be discontinued to be		5		4	9
so used	3	7	4	8	22
Cases of overcrowding and indecent occupation abated Housing in which walls and ceilings have been cleansed	22	21	34	23	100
or repaired	321	502	535	375	1733
Roofs of houses repaired	40	37	27	45	149
Houses in which floorings of rooms, staircases, risers or	27	79	26	32	164
treads, window-sashes and frames, baluster rails, or	10	0.0	0.4	0.1	010
fire stoves have been repaired	49	99	34	61	243
Damp courses to houses inserted	3	16	1	20	40
Passages and staircases of houses provided with light	1	07	90	50	161
Eave-gutters and stack-pipes provided or repaired	54	37	20	50	7
Nuisances from smoke abated	2	1	4		
Rooms disinfected with sulphurous acid gas after the occurrence of cases of infectious disease	200	242	375	357	1174
Articles consisting of beds, bedding, clothing, etc., removed and disinfected	6052	5990	12476	10016	34534
1-1:-11					
TT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		**	i		ï
Courts and yards of houses paved, or paving repaired	74	103	70	60	307
Drainage of houses altered, improved or reconstructed	122	161	318	74	675
Traps to drains in houses, yards or courts improved	181	219	375	110	885
Closet pans and traps re-set	77	175	152	68	472
Closets provided with light and ventilation	6	68	13	8	95
apparatus, or defective water fittings repaired	80	140	90	95	405
Closets cleansed or repaired	223	282	192	172	869
Closets cleansed or repaired	28	64	26	33	151
Water supply to houses provided or improved	18	25	17	19	79
Nuisances from dung or other offensive matter removed Houses closed by Magistrates' order, or by consent, as	23	42	49	32	146
unfit for human habitation	17	1		4	22
iron dust-pails substituted Samples under Sale of Food and Drugs Act submitted to		5	22	6	33
the public analyst	30	30	30	30	120
Animals, kept so as to constitute a nuisance, removed	1				1
Shed used as a sleeping department, discontinued				1	1
Bakehouses cleansed	3	8		31	42
Workshops cleansed	20	48	11	32	111
Ventilation of workshops improved	26	46	10	39	121
Overcrowding in workshops abated	9	16		8	33
Additional closet accommodation to workshops provided	8	30	26	24	88
Workshops closed	13	16	5	14	48
Receptacles for dung provided and reconstructed	2	1	4	2	9
Additional water closets provided for dwelling houses				22	22

In addition to the above, the Inspectors have had destroyed as unfit for human food during the year the following articles, viz.:—35 crates of Bananas; 39 boxes of Oranges; 10½ barrels and 16½ bushels of Apples; 5 bags of Broccoli; 17 boxes of Lemons; 9 sacks of Onions; 5 bushels of Cherries; 1 peck of Apricots; 21 bushels of Plums; 16 bushels and 11 boxes of Pears; 3 baskets of Cucumbers; 8 boxes of Tomatoes; 79 Melons; 1 case of Grapes; 1 barrel of Cods' Roes; 1 trunk of Haddocks; 3 barrels and 50 Bream; 6 baskets of Dried Herrings; ½-ton mixed Fish; 326 cases and 43 barrels of Anchovies; 4 Hake; 2 barrels of Salmon Trout; 2 boxes of Eggs; 4 cwt, of Beef, and 238 sides of Bacon.

Table (Q).—METEOROLOGICAL STATISTICS.

	No. of Hours of Registered Bright Sunshine at Greenwich.	Mean of Degree of Humidity. (saturation being repre- sented by 100).	Mean Reading of Barometer (in inches).	Mean Temp-rature (Fahrenheit).	Rainfall (in inches).
1st Quarter	111-7	85.4	29-97	42°4	4.28
2nd ,,	427.9	70.7	29-93	54°8	2.74
3rd ,,	337.0	74.3	29-76	60°7	8.60
4th ,,	136-9	86.0	29.70	42°7	6.83
TOTAL	1013-5				22.45

Mem.:—These Tables are compiled from the Registrar General's Weekly Returns.

According to The Times Meteorological Report 23:23 inches of Rain or Melted Snow fell during the year—but this return included several extra days.

Table (R).—METEOROLOGICAL STATISTICS.—HIGHEST AND LOWEST RECORDS.

	No. of Hours of Registered Bright Sunshine at Greenwich.	Humidity of Atmosphere.	Roading of the Barometer. (in inches).	Temperature. (Fahrenheit),	Ozone.			
Highest Lowest	13th wk. 28·0 1st ,, 0·0	1st week 94 (9th and 13th weeks 77	2nd wk. 30·52 10th ,, 29·28	Mar. 22nd 67°7 Feb. 25th 24°3	12th week 3.5 (5th and 6th weeks 0.4			
Highest Lowest	10th ,, 61·9 2nd ,, 5·8	1st , 81 10th , 61	4th ,, 30·13 11th ,, 29·89	June 16th 86°7 Mar. 30th 33°2	11th ,, 4·4 8th ,, 0·6			
Highest Lowest	2nd ,, 66·5 11th ,, 7·8	11th ,, 90 4th ,, 59	3rd ,, 29·96 13th ,, 29·37	July 14th 91°1 Sept. 21st 40°3	7th ,, 5·5 2nd ,, 0·0			
5 Highert	5th ,, 27·1 11th ,, 1·0	12th ,, 91 (5th and 8th weeks 83	9th ,, 30·20 4th ,, 29·33	Sept. 27th 65°0 Nov. 30th 26°5	2nd ,, 4·2 (3rd and 6th (weeks 0·5			

Total Bright Sunshine during the year=1004.43 hours. Rain or Melted Snow fell on 151 days in the year.

LICENSED SLAUGHTER-HOUSES.

			V	VHITE	CHAPE	L.	
	ADDRES	S.				To	WHOM LICENSED.
	h Street		* 1			* *	Louisa Wood.
6,	15						Gabriel Horwitz.
27,	**		9.9				Thomas Kefford.
4, 2,	,,						Morris Bosman.
	,,					++	Robert Gower.
52, Ca	ble Street	* * *			81.1		Charles Pettitt.
		I	ICEN:	SED	COW-	HOUS	ES.
			1	WHIT	ECHAPI	EL.	
	Address.					To	WHOM LICENSED.
11 BL	ook Lion Y	Fre	(hoth ei	Jool			John Evens

		AA TITT T TO	OTITIE	Lili.	
Address.				To	WHOM LICENSED.
11, Black Lion Yard (l	ooth	sides)			John Evans.
33, Old Montague Stre	et				Thomas Williams.
Plough Square					Edith Emily Lewis.
Royal Mint Street					John E. Jones.
		CHRIST	CHI	IRCH.	
Saw Yard					Daniel Barker.
37, Hanbury Street					David Felix.
15, Tilley Street					David Felix.
16, Grey Eagle Street					James Webb.
	MI	LE-END-	NEW	TOWN.	
44, Dunk Street					Samuel Evans.
21, Spital Street					William Davies.
64, Pelham Street					Jacob Galinski.
	N	ORTON	FOL	GATE.	
7, White Lion Street					Eliza Morgan.

THE SALE OF FOOD AND DRUGS ACTS.

The total number of Articles of Food and Drugs submitted to the Public Analysis for Analysis during the year 1896, was 120, viz.:—Milk, 40; Flour, 12; Bread, 12; Butter, 6; Oatmeal. 7; Rye Bread, 1; Tapioca, 2; Sago, 8; Ground Rice, 5; Ground Ginger, 3; Sugar, 1; Lard, 1; Coffee, 8; Malt Vinegar, 1; Powdered Rhubarb, 6; Spirit of Nitrous Ether, 1; Linseed Mcal, 2; Crushed Linseed, 2; and Condensed Milk, 2. One Linseed Meal, 8 Milks, 1 Butter, 1 Malt Vinegar, and 1 Spirits of Nitrous Ether were adulterated. The following are the particulars:—

Articles.	Extent of Adulteration.	Date of hearing of Summons.	Result.
Linseed Meal.	75 per cent. of the oil extracted and adulterated with 5 per cent. of starchy matter.	Not Summoned.	Cautioned.
Milk.	Deficient in cream to the extent of 37 per cent.	2nd June, 1896.	Fined 20/- & 12/6 costs
"	Deficient in cream to the extent of 27 per cent.	**	Fined 20/- & 12/6 costs
,,	Adulterated with 37 per cent. of water	,,	Fined 20/- & 12/6 costs
**	Adulterated with 25 per cent. of water	,,	Fined 20/- & 12/6 costs
"	Adulterated with 18 per cent. of water	"	Fined 20/- & 12/6 costs
,,	Adulterated with 19 per cent. of water	Not Summoned.	Purchased in street. Vendor gave false nam and address.
,,	Adulterated with 11 per cent. of water	25th Nov., 1896	Fined 30/-, no costs.
**	Adulterated with 7 per cent. of water	Not Summoned.	Cautioned.
Butter.	Adulterated with 77 per cent. of foreign fat.	23rd Dec., 1896	Fined £2, no costs.
Malt	Dilute acetic acid coloured with car-	30th Dec., 1896	Fined 20/-, no costs.
Vinegar.	amel, containing not more than 10 per cent. of malt vinegar.		
Spirit of Nitrous Ether.	Deficient in nitrous ether to the extent of 26 per cent.	4th Jan., 1897	Ordered to pay 23/ costs, no fine.

Total of Penalties and Costs, £13 15s. 6d.

BOARD OF WORKS, WHITECHAPEL DISTRICT,

PUBLIC HEALTH DEPARTMENT.

To Dr. Joseph Loane, Medical Officer of Health. Sir,

The accompanying Tabulated Statement sets out the amount of work carried out by us during the past year, and it will be at once seen that a very large amount has been accomplished.

It will be seen that a large amount of Re-construction and improvement of House Drainage has been carried out during the year.

A good deal of time was given to inspection of Workshops during the year. Very many special night visits were made. It will be seen from the Statement above referred to that a great deal of work has been carried out in this direction.

Great attention was paid to the question of unwholesome food. Particulars of the Articles seized and destroyed will be found at the foot of the said Statement.

Sixty-six Summonses were issued under the Public Health (London) Act. The Fines and Costs recovered amounted in all to £31 4s. 0d. A detailed statement of these summonses we also hand you herewith.

Last year we reported that 1,074 cases of Infectious Disease had occurred, but this year we have to report an increase of 92 cases, making the total for the year 1,166. Disinfection was promptly carried out in every instance.

In conclusion, we have to bear testimony to the valuable assistance rendered to us by the two Assistant Inspectors.

We are, Sir,

Your obedient Servants,

RICHARD SKIDMORE WRACK,
THOS. P. WRACK,
GEORGE HARVEY,
ALFRED COOK,

Sanitary Inspectors.

31st December, 1896.

Table O.—PRINCIPAL ZYMOTIC DISEASES DEALT WITH DURING THE YEAR 1896.

NAME OF PLACE.	Small Pox.	Scarlet Fever.	Diphtheria.	Membros. Croup	Typhus Fever.	Typhoid Fever.	Puerperal Fever.	Erysipelas.	Measles.	Small Pox. Scarlet Fever. Dipitheria. Membins. Group. Typhoid Fever. Typhoid Fever. Typhoid Fever. Typhoid Fever. Typhoid Fever.
Albert cottages			-	=	_			1		Easington buildings 4 1
Alie place		1	•	* *		* *				Eckersley street 1
									i	Eele street 4
Artillery passage			2							Elder street 4 1
		2					13			Elizabeth place
Assam street		4								Ely place 4 6
		2								Fashion court 1
		2	2							Fashion street 7 2 1
Back Church lane		2						. 2		Fieldgate street 10 6 3
										Finch street 7 1 1
Black Eagle street			1	1		* *	*	1		Fleur-de-lis street3
Black Lion yard								2	ï	Frostic place 2
Blossom place								2		Flower and Dean street 2 2
Booth street		3	2							Fleur-de-lis buildings 1
Brick lane		11	7			1		4		Fournier street 1
Brunswick place								1		George court
Buckle street buildings			2				* 2			Grace's alley
Bull Stake court		2								Great Alie street
Burr street		2	1					1	1	Great Prescot street 6 1 1
Butler street		:: 13	1					1	1	Great Garden street 4 C 4
Buxton street Brushfield street		1	4			1		i		Green's place
Brady street		4	-11					1	0.0	Green street 9 1
Brady street buildings		24	26					. 2	1 2	Green Dragon vard
Booth street buildings		3	4			1		. 2		Grev Eagle street 6 1 2
Blackwall buildings		6	4	1					3	Gun street
Brunswick buildings	1	8	1			1		. 2	1	Great Eastern buildings.
Bedford street		1	1]	Quaker street 5 1 1
Cable street			::	1		* *				Godfrey house, Thrawl
		9	1							street
Cannon place		-	9			1				Hambury street 23 12 5 1
Chapel street		2	-				3			Harriot place 2
		4	1							Haydon square 1 2 1
Charlotte court			2			1			1	Heneage street 3 1 1 2
Charlotte court		1								Hobson's cottages 1
		4	2							Hobson's place 2 1
										Hope street 2
Church lane		2								Hunt street 4 2 1 1 I
Church passage Commercial street		4				1				I was a second and
Commercial road		1								Helena house, Loles- worth street 4
Cotton street										Jeffries' court 1
Corbett's court		4								John's court, Casson st 4 1
Court street										King street 1
Cox's square		2								King Edward street > 1
										Katharine buildings 5 7 2
Crown court										Lambeth street 1
College buildings		4								Lardner's buildings 1
Davis mansions		1								Leman street 5 8 1
Dock street		4								Little Alie street 4 4
-		2								
		3								Luntley place 2
Duncan street										Lolesworth street 1 2
Davis terrace		3								London Hospital 123 8 2 1
Durward street										Little Halifax street 3
Davis avenue										Lolesworth buildings 3 2
		3								
Eagle place			1							Mansell street 5
	-	1								

Table O (Continued).—PRINCIPAL ZYMOTIC DISEASES DEALT WITH DURING THE YEAR 1896.

		-	,01	HIN		-	III.	1 LAN 1890.					_				-
NAME OF PLACE.		Diphtherio	Typhus Fever.		Puerpera Fever.	Erysipelas.	Measles.	NAME OF PLACE.	Sn all Pox.	Scarlet Fever.	Diphtheria.	Membrns, Croup	Typhus Fever.	Typhoid Fever.	Puerperal Fever.	Erysipelas.	Measles.
Middlesex street	1							Royal Mint street		3				1			
Mill yard						1		Rupert street		3						1	
Montague court		1.						Royal Mint square		4						2	
Montague street, Little							1	Regal place								1	
Moss' buildings	1	1.						Rothschild's buildings		15	7					1	1
Mount street	1	4	1				1	Dutt house Blower and							250		7.27
Mount place										1							
Mundy's place										2							1
Metropolitan buildings	4	2 .		1		1											
Morrison's buildings	1									1							
New court, Dorset street	2	1.															
New court, Fashion							9					7.4					
street							1			3	2						
New road	1					* *				2	2			1		1	
New square New Martin street						1		A		1						2	
Newnham street		1			+ +		1										
Newcastle street	i	4 .			* *	1	• •			0						1	
North place	2			1				77. 79. 1. 1. 1.		1	0					1	* *
Norton Folgate						1	• •	F2	::	6		**		**		• •	
Newcastle place						1		F85									
Nathaniel buildings		2								3	1			1			
Newman's buildings.	200		9			*	10	745								1	*
Cox square	1							Tewkesbury buildings		3	1						1
Old Castle street				*		1				3	õ						
Old Montague street	24	4	1	1		2		7933								1	
Osborn street	3							Tilley street		1	2						1
Osborn place	4									2							
Oxford street	10	3 .				2					1						
Palmer street	1							Underwood street		3	3					1	
raternoster row	4	2 .				2	!	Union place		1							
relham street	. 7	8	2				1	Upper East Smithfield		2	1					2	
Pereira street	2					1		Vine court			1						1
Plummer's row		1.						Vine yard									
Pool's place				1				Victoria cottages								1	
				* *		1	1	TABLETICO PONTE TA TA		5				1		1	
								Well street									
	1			200				Wentworth street		5				4		2	
	0	-						Wentworth court, west									
Dank 1 1 1 1	6	1.			• •		1	1171 14 1		6							
Digrain atmost	0						,	White's row		2	2						
Pauling towns							7	White Lion street		4				* *			
Pelham atmost building		1.				+ +		Whitechapel High street				1				2	
Plongh otnest building						+ + -		Whitechapel road Wilk street		1					1	0	1
Quaker street		i.				2		Winthrop street, W.C		3	0					1	1
Queen street	4	1.		13				Wentworth buildings		4					1	1	
Queen street, Aldgate	9	1:		* *	* *	-		Whitechapel Infirmary		1	0				7	7	7
Vacen Ann street				1				Williams' rents		-				1			7
Kamar place	. 1			**		* *								1			
haven row		3							_								
Regent's court						1		Totals	3	9	-	12		55	2	9	41
				1000						99	83				2	13	-
		-	-	-		-	-		-	-	-		-	-	-	-	_

Total No. of Cases .. 1166

729 of above were removed to Hospitals.

35 ,, ,, In-patients at London Hospital.

9 ,, ,, Whitechapel Infirmary.

393 ,, ,, attended at their respective homes.

Total 1166

In addition to the above there occurred in the Tower of London (which is non-parochial) 14 cases of Scarlet Fever and 4 cases of Diphtheria.

Situation of Premises.	Nature of Nuisance or Complaint.	Date of hearing of Summons.	Result.
		1896.	
13, Duke Street	Workshop overcrowded	Jan. 9th	Prohibition order made.
13, Duke Street	Workshop not properly ventilated and without proper sanitary conveniences	" 9th	Owner brought overwhelming evidence that the work had been completed. The Magistrate
13, Duke Street	Drain not properly trapped. Yard paving is defective. Pan of W.C. foul. Water apparatus to W.C. defective	" 9th	dismissed the summonses. The work was subsequently carried out.
19, Tenter Street, Spitalfields	Workshop without proper sanitary conveniences	" 9th	Order to carry out necessary work within 7 days
18, Tenter Street, Spitalfields	" " " "	" 9th	Prohibition order made.
Wentworth Street	Exposing a child in the public thoroughfare while suffering from Scarlet Fever	" 21st	Fined £1 and £1 3s. costs.
Artillery Lane	For selling a quantity of Cods' Roes unfit for food	" 29th	Fined £5 and 11s. costs.
1, John's Place, Hunt Street	House totally unfit for human habitation	March 5th	Order to close within 7 days.
2, John's Place, Hunt Street	" " "	" 5th	" "
3. John's Place, Hunt Street	,, ,, ,,	,, 5th	"
4, John's Place, Hunt Street	,, ,, ,,	,, 5th	1) 1)
5, John's Place, Hunt Street	,, ,, ,,	" 5th	,, ,,
6, John's Place, Hunt Street	,, ,, ,,	,, 5th	,, ,,
7, John's Place, Hunt Street	33 33 31	,, 5th	"
8, John's Place, Hunt Street	,, ,, ,,	,, 5th	" "
9, John's Place, Hunt Street	,, ,, ,,	,, 5th	11 11
10, John's Place, Hunt Street	11 11 11	,, 5th	" "
11, John's Place, Hunt Street	,, ,, ,,	,, 5th	"
1, Hunt Street,	,, ,, ,,	,, 5th	" "
3, Hunt Street,	,, ,, ,,	,, 5th	" "
5, Hunt Street,	,, ,, ,,	,, 5th	, , , , , , , , , , , , , , , , , , , ,
Commercial Street	Exposing oranges for sale unfit for human food	,, 20th	Summons dismissed. Magistrate ruled there was not sufficient evidence of exposure for sale.
76, Plumbers' Row	Water closets in filthy state and without water supply. Sink wastes not properly trapped. Roof defective	July 9th	Work done. Summons withdrawn.
78, Plumbers' Row	Water closets in filthy state and without water supply. Sink wastes not properly trapped	,, 9th	,, ,,
6, Fieldgate Street,	Workshop not properly ventilated, in a dirty state, and without proper sanitary conveniences	,, 15th	" "

PROCEEDINGS TAKEN UNDER THE PUBLIC HEALTH (LGNDON) ACT, 1891.

PH 12 2 P 1		Date of hearing of Summons.		Result.			
Situation of Premises.	Nature of Nuisance or Complaint.			Result.			
Augustine House, Pelham Street	W.C.'s in basement and on ground floor without water supply. Pan of W.C. on top floor defective. Walls and ceilings of W.C.'s and washhouses dirty	1896. July 15		Owner in liquidation. Summons withdrawn. Notice served on the receiver in Bankruptcy, and work subsequently carried out.			
Pelham House, Pelham Street	Walls and ceilings of W.C.'s and washhouses dirty and dilapidated. Walls and ceilings of apartments Nos. 4 and 7 dirty. Yard paving defective	" 15t	h	,, ,, ,, ,,			
Osborn House, Pelham Street	Walls and ceilings of W.C.'s and washhouses dirty and dilapidated. Walls and ceilings of apartments Nos. 1, 2, 8 and 9, dirty	" 15t	h	,, ,, ,, ,,			
Clinton House, Pelham Street	Walls and ceilings of W.C.'s dirty and dilapidated. Walls and ceilings of passage and staircase dirty and dilapidated. Walls and ceilings of apart- ments Nos. 8 and 10 dirty	,, 15t	h	,, ,, ,, ,, ,, ,,			
13, Artillery Passage	Workshop not properly ventilated and without proper sanitary conveniences	,, 15t	h	Order made to carry out necessary work within 7 days.			
13, Artillery Passage	Defective drainage. Overcrowding. W.C.'s filthy.	,, 15t	h	,, ,, ,, ,,	39		
13, Artillery Passage	Disobeying Magistrate's order	Aug. 18t	h	Fined £1 and 2s. cost. In default of distress 14 days' imprisonment.	0		
13, Artillery Passage	,, ,,	,, 18t	h	Fined £1 and 2s. costs.			
Middlesex Street	Exposing melons for sale unfit for human food	Oct. 12t	h	Fined £5. In default of distress 1 month's imprisonment.			
Wentworth Street	Exposing fish for sale unfit for human food	,, 12t	h	Fined £10. In default of distress 1 month's imprisonment.			
1, Helena Terrace	Workshop not properly ventilated	,, 271	h	Order to carry out necessary work within 14 days.			
1a, Helena Terrace	Workshop without proper sanitary conveniences. Walls and ceiling dirty	,, 271	h	" " " "			
2, Helena Terrace	Workshop without proper sanitary conveniences, and not properly ventilated	,, 27	th	" " "			
3, Helena Terrace	Walls and ceiling of workshop dirty	,, 27	th	,, ,, ,, ,,			
19, Green Dragon Yard	Roofs of house and back addition defective.	,, 27	th	Order to close forthwith.			
	Eaves, gutter and rain water pipe defective. Walls of back addition damp owing to absence of damp course						
20, Green Dragon Yard	" " " "	,, 27	th	"			
21, Green Dragon Yard	" " " "	,, 271		" "			
22, Green Dragon Yard	" " "	,, 27	h	11 11			

Situation of Premis	es.	Nature of Nuisance or Complaint.		of heari ummon		Result.
				1896.		
, Black Lion Yard		Walls and ceilings of house broken and dirty. Roof defective. Yard defectively paved	Oct.	27th		Order to carry out necessary work within 28 days
, Black Lion Yard		Walls and ceilings of house dirty. Yard defectively paved	,,	27th		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Eele Street		Walls and ceilings of passage, staircase, ground floor, back room and first floor back room dirty	Nov.	26th		Work done, summons withdrawn.
, Eele Street		Walls and ceiling first floor back room dirty	**	26th		,, ,,
Eele Street		Walls and ceilings ground floor back and first floor front rooms dirty	"	26th		"
Eele Street		Walls and ceiling ground floor front room dirty. W.C. pan defective. Rain water pipe defective	,,	26th		"
Eele Street		Walls and ceiling ground floor front room dirty. Yard defectively paved	**	26th		,, ,,
Eele Street		Walls and ceilings of house dirty. Yard defectively paved	",	26th		" "
Eele Street		Walls and ceilings of house dirty	,,	26th		,, ,,
, Chicksand Street		No water for domestic use	,,	26th		,, ,,
, Pelhani Street		Floor of bakehouse broken and dirty	**	26th		Order to carry out necessary work within 2 days
, Pelham Street		House unfit for human habitation	"	26th		Order to close forthwith.
2, Bell Lane		Exposing fruit for sale unfit for food	Dec.	2nd		Fined £1 and 2s. costs.
3, Lambeth Street		Walls and ceiling of workshop dirty	,,	3rd		Work done. Summons withdrawn.
enter Buildings, St. Street	Mark	Drainage defective. Walls and ceilings of passage and Nos. 1, 2 and 9, dirty. Pans of W.C.'s at Nos. 1 and 9, foul	"	3rd		,, ,,
2a, Fieldgate Street		Workshop not properly ventilated. Pan of W.C. on first floor foul	"	11th		"
2, Fieldgate Street		Workshop not properly ventilated	,,	11th		" "
1, Duncan Street		W.C. in filthy and dilapidated condition	,,	11th		,, ,,
8, Hanbury Street		Walls and ceilings of workshops dirty. Workshops not properly ventilated	"	17th		Order to carry out necessary work within 14 days
1, Fournier Street		Workshop not properly ventilated	33	17th		Work done, summons withdrawn.
22, Fieldgate Street		Workshop without proper sanitary conveniences	,,	18th		Fined £5 and 2s. costs. In default of distress 2 days' imprisonment.
Wentworth Street		Exposing fruit for sale unfit for food	,,	23rd		Dismissed with a caution.
Wentworth Street		11 11 11	**	23rd	***	Dismissed with a caution, and to pay 2s. costs.