

[Report of the Medical Officer of Health for Whitechapel].

Contributors

Whitechapel (London, England). District Council.

Publication/Creation

1899.

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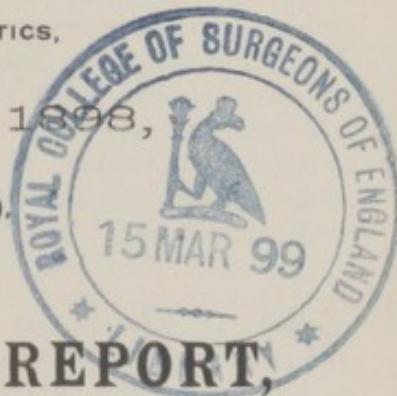
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THE
ANNUAL REPORT
 ON THE
SANITARY CONDITION
 OF THE
WHITECHAPEL DISTRICT,
 WITH VITAL AND OTHER STATISTICS,
 FOR THE YEAR 1898,
 (CONSISTING OF 52 WEEKS),
 BEING THE
FIFTEENTH ANNUAL REPORT,



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.

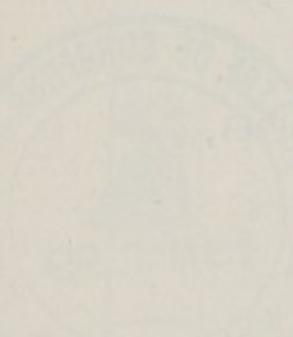
1899:

LEVY & Co., Printers and Stationers, 23, Whitechapel Road, London, E.

(*Registered at London Society of Compositors.*)

ANNUAL REPORT

WHITEHORN DISTRICT



СЕЛЬСКОХОЗЯЙСТВЕННОЕ ПРОДУКТОВОЕ ПРОИЗВОДСТВО

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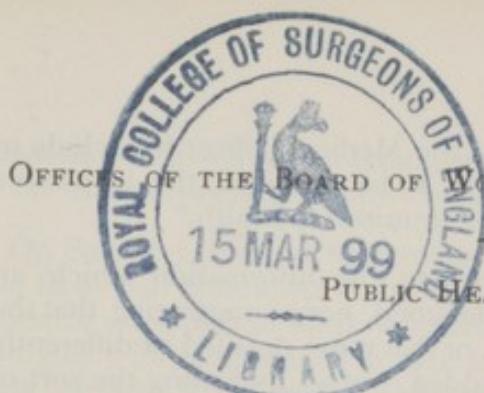
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1981

СЕЛЬСКОХОЗЯЙСТВЕННОЕ ПРОДУКТОВОЕ ПРОИЗВОДСТВО



OFFICES OF THE BOARD OF WORKS FOR THE WHITECHAPEL DISTRICT.

PUBLIC HEALTH DEPARTMENT :

No. 15, GREAT ALIE STREET,

LONDON, E.,

To the Board of Works,

January 10th, 1899.

GENTLEMEN,

In arranging the various tables and statistics which I have included in this Report, it has been my care with regard to them all, that they shall be capable not only of explaining themselves, so far as the year under consideration is concerned, but that they shall be available for comparison with any and all of the PREVIOUS FOURTEEN years which have passed since I became your Medical Officer of Health.

Before commencing my observations on the matters which have occupied attention during the year 1898, it were well perhaps to notice what, according to the Memorandum of the Local Government Board, a Medical Officer's Report should contain. This may best be done by short extracts from the Memorandum itself. "This report is to be for the year ending 31st December; the report is to be made to the Sanitary Authority as soon as practicable after the expiration of the year to which it relates, and should be in the hands both of the Sanitary Authority and of the Local Government Board, within, at most, five months from the end of the year."

"The report should be chiefly concerned with the conditions affecting health in the district, and with the means of improving these conditions. It should consider these subjects with reference to the past and future, as well as to the particular year; and the account of the sanitary state of the district generally should, while marking the point that has been reached in the sanitary state and administration of the district, indicate directions for further consideration and action."

"The sanitary history of the year under review, should include a record alike of the proceedings of the Medical Officer himself and of the proceedings taken under his direction or advice. The Medical Officer of Health, in reporting his proceedings and advice, should take special care to report fully and explicitly on the influences affecting or threatening to affect injuriously the public health within the district; and the causes, origin, and distribution of disease within the district may usefully be the subjects of annual record. An account should also be given, both of the actual circumstances of the district up to the end of the past year, and of any improvement or deterioration that has occurred during the year in conditions conducive to health or to disease. For example, a vigilant health officer has in his Annual Report an opportunity for pointing out any facts as to water supplies and house construction, conditions of storage, and of removal of refuse customary in the district; together with any facts as to the adequacy or inadequacy of means of isolation and of disinfection, and the like. And such a Health Officer, reporting on the diseases and their causes within the district, will generally have some instructive details to give, either of conditions newly productive of disease, or of matters that have been remedied with advantage to the public health."

"In making systematic inspections, as in much of his other action, the Medical Officer of Health will usually have required the assistance of the

" Inspectors of Nuisances ; and it will be for the Medical Officer to include in his report an account of the action which, at his instance, the inspectors may have taken for the removal of nuisances injurious to health."

" What has been said above with regard to the information which an annual report should contain must be understood, not as suggesting that the report should be limited to these subjects, or that more detailed or differently arranged tabular statements may not be added, but as indicating the sort of information required by the Board's Order. Many Medical Officers of Health will doubtless, with great advantage to the administration of their districts, furnish much more detailed information respecting particular questions to which they have been led by the circumstances of the foregoing years, to devote attention, or in the investigation of which they may have arrived at valuable conclusions."

In explanation of the means which enable me to offer my Report for your consideration within a fortnight of the termination of the year to which it refers, I need only say that not only the Tables which I personally keep, but most of those for which the Inspectors are responsible, are kept up to date throughout the year. We are thus enabled week by week, and in the most important matters, day by day to see immediately what is the condition of the District. Is any part of the District unduly attacked by any zymotic disease? We have the information ready to lead to a rigorous examination of the cause. These various sheets are always in view, so that at any time should a visitor desire to know whether a child could safely be sent to a country home, it is at once seen whether any case of infectious disease was recently notified from the house where the child lives. When the year expires, nearly all the Tables contained in my Annual Report, are ready to be presented for your perusal, and copious notes of the leading subjects are available to further assist me in the early compilation of the Report.

In considering the various items of information which I have tabulated in the " Appendix," attention must be drawn to the fact that since I commenced to issue Annual Reports, the Sub-Registration districts have been twice decreased in number. Originally there were five, viz. :—Spitalfields, Mile End New Town, Whitechapel Church, Goodman's Fields, and Aldgate. The retirement of the late Mr. Sparks was made the occasion of the union of Goodman's Fields with Aldgate, and now the death of Mr. John Hall has induced the Registrar-General to make another change: Part of Whitechapel Church will be added to the amalgamated Goodman's Fields and Aldgate Sub-Districts,—and the larger part (including the London Hospital) will be absorbed into the Mile End New Town Sub-District. This new arrangement of districts will of course interfere in the future with my custom of contrasting the conditions for the current year with previous years, so far as these altered sub-districts are concerned, but on the other hand there are good reasons for the change. On the 1st January, 1899, the registration work of the three new sub-districts commenced under the three registrars already in occupation of the appointments.

The great question which has occupied the attention of the East End Boards and Vestries during the summer months, has been how the inability on the part of the East London Water Company to maintain a constant service of water could be dealt with.

The history, so far as our district is concerned, may be stated chronologically thus:—On Monday, the 22nd of August, the East London Water Company discontinued the constant Service and the Water was turned on in the District for three hours in the morning and three hours in the evening. On Monday, the 29th of August, a special Board Meeting was convened, and

approval was given to the arrangements which the officers had made to avert, as far as practicable, the difficulty arising from the limitation of water supply.

On Saturday, the 3rd September, a further diminution in supply took place, and from that date water was only turned on for two hours twice daily. Stand pipes for the supply of water were erected in prominent places. Street watering and gulley flushing ceased to take place with East London Water—but water from the New River, as well as from the well in the Destructor Yard was freely used for these purposes.

The East London Waterworks Company arranged to supply the Board with as many stone jars as should be required for distribution among the poorer inhabitants who were unable to store water for drinking purposes.

Notices were printed and distributed throughout the District informing the inhabitants of the hours when the Company had arranged to turn on the water, and also stating that application could be made at the Offices of the Board by persons who required jars.

The reason for the latter notice was to enable the Inspectors to visit the homes of applicants, to get information at once of any nuisance which might arise through the limitation of the Water Supply. It soon became apparent that the pans of water closets in the homes of the poor were liable to become choked, and that the house drains became foul where they were used by many people.

With the co-operation of the Surveyor, after a consultation with that gentleman and with the Clerks, it was arranged that water vans should be employed to take water to those houses which required it, and that regular daily flushing of water closets of such houses should be carried out. From this time until the Company renewed the constant water supply, nine men were constantly employed with three water vans in carrying on this useful work. Each closet which was discovered to be choked, was cleared by means of a plunger, then pails of water were dashed down, and disinfectants were also freely used.

Constant service was resumed on the 12th of December, a nine hours supply having taken place on November 23rd. In addition to the above measures, disinfection was regularly performed with per-chloride solution by an additional man. The water closets connected with nearly 300 of the houses occupied by the poorest people were thus daily treated.

Whether these precautions limited the number of Infectious cases it is of course impossible to say, but it is interesting to note that the fees paid during the third quarter, for the notification of such diseases, were the lowest since any record has been kept. The number of cases of Infectious disease will be found in Table "O" of the Appendix.

During the year, the Fees paid for notification of Infectious diseases amounted to the sum of £68 11s., and for the three previous years the Fees were respectively £109 11s. ; £131 6s. ; and £110 5s.

It is not within my province to discuss the great water question—but I do say that means should be taken to prevent any limitation of pure water in the future.

Although connected with the Surveyor's Department, I may be permitted to state that so soon as the necessary arrangements have been completed, the dustmen will call at the houses for the dust pails. They will then cease to remain upon the pavements as eyesores and often nuisances, as at present.

By direction of the Chairman of the Board, a sample of water from the Destructor Yard was submitted to Professor Attfield. The result of his analysis is given below,

REPORT ON A SAMPLE OF WATER TAKEN FROM THE WELL
IN THE DESTRUCTOR YARD:—

Report on a sample of water received from Dr. Loane, M.O.H., to the Whitechapel District Board of Works, on September 12th, 1898.

By Professor JOHN ATTFIELD, Ph.D., F.R.S.; Professor of Practical Chemistry to the Pharmaceutical Society of Great Britain, 1862 to 1896; author of a Manual of Chemistry and a Handbook on Water supplies, etc.,

London,

September 13th, 1898.

111, Temple Chambers, E.C.

The appended analytical data show that this water contains a contaminating quantity of organic (animal or vegetable) matter. In addition it contains a large amount of dissolved solids and is a decidedly hard water. In my opinion it is not a suitable water for drinking and general domestic use.

Signed, JOHN ATTFIELD.

ANALYTICAL DATA.

One gallon contains the following number of grains and decimal parts of a grain of the respective substances:—

<i>Total suspended solid matter, dried at 250° F.</i>	...	...	...	...	Nil
<i>Total dissolved solid matter, dried at 250° F.</i>	...	...	...	...	79.0
<i>Ammoniacal matter, yielding ten per cent. of nitrogen</i>	...	...	...	...	0.138
	(Equal to ammonia per million, 0.24).				
<i>Albumenoid organic matter, yielding ten per cent. of nitrogen</i>	...	...	...	...	0.088
	(Equal to ammonia per million, 0.152).				
<i>Nitrites</i>	...	...	...	...	Absent
<i>Nitrates, containing seventeen per cent of nitrogen</i>	...	...	...	...	1.4
	(Equal to grains of nitrogen per gall. 0.23).				
<i>Chlorides, containing sixty per cent of chlorine</i>	...	...	...	...	12.83
	(Equal to grains of chlorine per gall. 7.7).				
<i>Hardness, reckoned as chalk grains or "degrees" removed by</i>					
<i>Ebullition</i>	...	...	...	...	22.1
<i>Unaffected by ebullition</i>	...	...	...	...	14.8
				—	36.9
<i>Lead or Copper</i>	...	...	...	...	Absent
<i>Physical Examination</i> , clear, odourless, palatable.					
<i>Oxygen absorbed in three hours</i>	...	...	...	...	0.06

Signed, JOHN ATTFIELD.

Apresos of Analysis.—I wish to call attention to some analyses of Ice Creams at the end of this report. The samples were submitted at a time when much excitement on this subject was present in London.

Through the Chairman of the Board of the City of London, as also the London and India Joint Dock Company agreed to supply water if required. The former offer was taken advantage of to some extent by the Surveyor.

The marriages which took place within the District numbered 512. Last year they amounted to 504 and in the two previous years they were respectively 434 and 409.

The total births which were registered in the four Sub-Registration Districts during the 52 weeks of the year 1898, amounted to 3,125 as compared with 3,150 for the year 1897.

In the Whitechapel Infirmary 105 births took place, of which number 17 were the children 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 apportionment of births was as under:—

Spitalfields.	Mile End New Town.	Whitechapel Church.	Goodman's Fields.	Total.
1091	676	916	425	3108

So that the number of births as corrected amounted to 3,108, viz. :— 1,557 boys and 1,551 girls. See Table A* of the Appendix.

It is to be noticed that very little variation has occurred in the births and deaths during the past two years; from this as well as from other considerations, I assume that probably the population has not increased at the same ratio as was the case during the last inter-censal periods. If therefore, for statistical purposes, we fix the population of the District at 80,000 persons of all ages, it is certain that the estimate will not be an exaggerated one.

The Metropolitan birth-rate equalled 29.4 per 1,000.

The District birth-rate equalled 38.8 per 1,000.

The total deaths which were registered during the year numbered 2,378, viz:—1,401 males, and 977 females.

Table B† of the Appendix, shows the deaths which were registered in the Sub-Registration Districts.

A deduction has now to be made of those deaths to the number of 1,005, 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 Outlying Public Institutions, and in other places outside the District. These deaths numbered 203, against 210 for the previous year.

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 1898 was 1576, or 5 fewer than was the case in 1897. 912 males died as compared with 664 females. A death-rate for the year of 19.7 per 1,000 is to be recorded, which corresponds with the death-rate for the previous year.

The Metropolitan death-rate equalled 18.6 per 1,000. The latter however has not been corrected in the manner which is possible in dealing with the District Rate. 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 1898.

Sub-Registration Districts.	1889	1890	1891	53 weeks		1893	1894	1895	1896	1897	1898
				1892	1893						
Spitalfields ...	549	682	668	640	672	582	644	604	640	452	
Mile End New Town	279	322	296	370	347	297	317	276	210	320	
Whitechapel Church	449	529	537	561	577	470	553	494	473	415	
Goodman's Fields ...	256	333	338	307	290	245	290	229	258	389	
TOTAL ..	1533	1866	1889	1878	1886	1594	1804	1608	1581	1576	

The excess of births over deaths for the year 1898 was 1532. In the four preceding years it was for each year respectively, 1,548, 1,554, 1,308, and 1,568.

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:—

28.1%	of the total deaths took place under the age of 1 year.	between the ages of 1 and 5.
15.9%	„	„ 5 and 20.
4.5%	„	„ 20 and 40.
13.0%	„	„ 40 and 60.
19.7%	„	„ 60 and 80.
15.8%	„	Over the age of 80.
2.7%	„	

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 26.6 per cent. of the total deaths, and 15.2 per cent. of the registered births; whilst in the Whitechapel District those Infants who died under the age of one year equalled 28.2 per cent. of the total deaths, and 14.1 per cent. of the registered births.

The deaths of children under five years of age, including the above, were for London equal to 40.8 per cent. of the total deaths, and 25.8 per cent. of the registered births; and for the Whitechapel District they were equal to 44.0 per cent. of the total deaths, and 22.2 per cent. of the registered births.

For comparison purposes I have extracted a small table from the Registrar-General's Returns. Once again our District occupies the foremost position in the list.

The Tower of London deaths are included in those for the Whitechapel District, although for rating purposes it is extra-parochial.

**DEATHS BELONGING TO THE SEVERAL SANITARY AREAS
OF THE EASTERN DISTRICTS OF LONDON, DURING
THE FOUR QUARTERS OF THE YEAR, 1898.**

Sanitary Areas.	1896. Last Census Population...	Deaths under 1 year to 1000 births Registered.			
		1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.
Registration London ...	4,432,099 Tower of London, 919.	140	126	259	137
Shoreditch	122,348	168	124	341	155
Bethnal Green	129,162	176	154	247	159
Whitechapel	78,676	116	90	240	140
St. George's-in-the-East	47,506	191	162	268	159
Limehouse	58,305	207	165	335	123
Mile End Old Town ...	111,060	122	115	253	132
Poplar	169,267	145	154	313	771

Table I† 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.

Our District again suffers when contrasted with the whole of London, so far as diseases of a constitutional class are concerned. It is chiefly in respect of Phthisis and diseases of Tubercular character that the increase is to be

credited. I have previously stated that in all deaths from Phthisis, where it is possible to do so, disinfection is carried out as though the death were due to a Zymotic disease.

I am happy to state that now we have the assistance in this direction of the Sanitary Committee of the Jewish Board of Guardians. After an exhaustive enquiry into the subject, the Committee have given instructions that in all cases of Phthisis, when the patient has relations with the Board, their Inspector is to see that complete disinfection shall be effected in every part of the rooms which have been occupied by patients, and I hope that benefit will result from this order. In this, as in all other sanitary work, your officers work in sympathy and harmony with the Inspector appointed by the Jewish Board.

In considering the percentage of Deaths to total Deaths from Diseases of the Zymotic Class, it is satisfactory to notice that the Whitechapel District—again records a rate diminishing even faster than is the case for London as a whole.

In the whole of London in the year 1897 there were 17 deaths registered from Small-pox: last year only one death was caused by that disease.

From the Metropolitan Asylums' Board weekly returns, I find that throughout the year over four and a half millions of people were unable to contribute more than 35 cases of the disease. Two of the cases were credited to Whitechapel; one was imported from abroad, but the source of infection in the other case I was unable to trace.

The year 1898 was remarkable for at least two things—it was the Centenary of the publication by Jenner of his great work upon Vaccination, and it was also the year when the last Vaccination Bill received the Royal assent.

The work of Jenner has resulted in practically eliminating Small-pox from our midst—we shall see later on what will be the result of the new law.

In the meantime, we still have continental countries determined to stand by the discovery which has done so much for their nations, and thus an object lesson will be lacking in the future, should England allow the protective work to diminish.

I do not fear for Whitechapel so much—as only 60 persons have taken advantage of the "Conscientious Objection" clause of the Act.

OLD AGE DEATHS.

Age Distribution of the Deaths.	Sub-Registration Districts Distribution.
Between the ages of 80 and 85... 31	Spitalfields Sub-District 16
" 85 and 90... 8	Mile End New Town 8
Above the age of 90 3	Whitechapel Church 13
Total... 42	Goodman's Fields... ... 5

All who died after having reached the age of 90 were women, and two of them passed their last days in public institutions.

REGISTERED CAUSE OF THE ABOVE DEATHS:—

Old Age	19
Heart Disease	2
Nervous Diseases	7
Respiratory	9
Cancer	3
Accidents	2
Total	42

An infant aged two minutes, attended by a Midwife, was the only uncertified death in the District during the year. The case occurred in the Goodman's Fields Sub-Registration District, and was referred to the Coroner, but he did not consider an inquest necessary.

VIOLENT DEATHS.

Total number of Deaths, 67	...	40
	{ Males ...	27

Age Distribution of Violent Deaths.		Sub-Registration Districts Distribution.	
Under the age of 1 year...	16	Spitalfields Sub-District	30
Between the ages of 1 and 5...	11	Mile End New Town "	12
" " 5 " 20...	7	Whitechapel Church "	15
" " 20 " 40...	16	Goodman's Fields "	10
" " 40 " 60...	10		
" " 60 " 80...	4		
Over the age of 80 years	3		

DEATHS FROM VIOLENCE WERE REGISTERED AS FOLLOWS:—

Accidents—Run Over, Fractures, &c.	...	29
Burns and Scalds	...	18
Accidental Suffocation in Bed, Drowning, &c.	...	16
Suicide and Homicide	...	4
	—	67

PUBLIC MORTUARY STATISTICS.

During the year 1898 a total of 211 bodies (133 males and 78 females) were deposited in the Public Mortuary, either for inquest purposes or for the purpose of awaiting burial. For the latter purpose the institution received 18 bodies. There were 47 post-mortem examinations. Shrouds had to be provided to the number of 53. The fees paid by the Coroner on behalf of the London County Council for the use of the Court amounted to the sum of £30 2s. The London County Council have agreed to pay an annual sum of £75 in lieu of the fee per inquest system, and as this arrangement commenced last summer, an adjustment will be made to give effect to it. Of the total admissions, 79 were infants under the age of 1; 26 were between the ages of 1 and 5; 7 were between the ages of 5 and 20; 27 were between the ages of 20 and 40; 42 were between the ages of 40 and 60; 26 were between the ages of 60 and 80; and 4 were over 80 years of age.

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

Zymotic diseases	...	...	...	...	...	...	8
Constitutional diseases	...	...	...	...	...	...	31
Diseases of the Heart	...	...	...	...	...	...	44
Respiratory diseases	...	...	...	...	...	...	21
Diseases of the Nervous System	...	...	...	...	...	...	60
Violence—Accident	...	...	...	...	...	...	38
Other Causes	...	...	...	...	...	...	9
	—						
Total	...	211					

REGISTERED COMMON LODGING-HOUSES, 1898.

Name of Street.	No. of Houses Registered.	Deaths in Infirmary and elsewhere of Lodgers.
Brick lane, Nos. 19, 19½, 27, 29, 68½ and 74 ...	6	1
Buckle street, No. 22...	1	—
Commercial street, Nos. 39 and 41... ...	2	27
Dorset street, No. 9, 10, 11, 12, 15, 16, 17, 19, 20, 20A, 28, 29, 30 and 35	14	30
Flower and Dean Street, Nos. 5, 56, 57 and 58 ...	4	10
Garden court, No. 1	1	5
George yard, No. 27 and 29... ...	2	—
Grace's alley, No. 6	1	—
Great Garden street, Nos. 16 and 18	2	5
Great Pearl street, No. 15	1	—
Gun street, No. 7 and 34	2	—
Hanbury street, Nos. 40, 42, 44 and 46	4	—
Heneage street, No. 1	1	17
Lambeth street, No. 80	1	1
Leman street, Nos. 66 and 86	2	1
Lolesworth street, Nos. 5, 6, 7, 8 and 9	5	1
Old Montague street, No. 73	1	—
Osborn place, Nos. 1, 1A, 2, 3, 3A and 4	6	19
Paternoster row, Nos. 3, 4 and 5	3	7
Princelet street, No. 12	1	7
Queen street, Mile End New Town, No. 1	1	—
Thrawl street, Nos. 16, 17 and 28	3	1
Upper East Smithfield, Nos. 18 and 40	2	8
Wellclose square, No. 17	1	—
Wentworth street, No. 90	1	10
Whitechapel road, Nos. 77 and 232	2	25
White's row, Nos. 8, 28 and 29	3	3
TOTALS	73	178

THE DEATHS TOOK PLACE AS FOLLOWS :—

In the Whitechapel Infirmary	131
„ London Hospital	12
„ South Grove Workhouse	4
„ St. Bartholomew's Hospital	3
„ Ilford Asylum	2
„ Children's Hospital, Shadwell	1
„ Central London Sick Asylum	1
„ St. Giles's Workhouse	1
Found dead in Old Montague Street	1
At the several Lodging Houses	22
Total	178

The Registered Common Lodging House deaths were registered as being due to the following causes :

Zymotic Diseases	6
Phthisis	33
Tuberculosis	21
Other Constitutional Diseases	9
Respiratory Diseases	40
Diseases of the Heart	23
„ Nervous System	18
„ Urinary System	7
Accidents and Other causes	21
Total...	178

I subjoin as usual certain facts connected with the various Model Dwellings within the District. For the census of the apartments, I am indebted mostly to the owners of the buildings.

The total population appears to be less by 376 than was the case last year.

I have so frequently discussed the hygienic value of these block dwellings, as compared with other residences of the labouring classes, that at present I have little to add. I think that no building should be erected so high that water on the constant service system cannot reach to the top floor; I should like the bye-laws of the Board, which are applicable to houses let in lodgings and occupied by members of more than one family, to be amended so as to apply to such of the model dwellings as may fall below a standard to be agreed upon by the Board. If the population as given be correct, the death-rate in the Model Dwellings for the year was only 16.1 per 1,000, and the Zymotic death-rate equalled 1.4 per 1,000.

Apropos of this matter comes the question of overcrowding and of high rents. I am aware that some exaggeration has taken place in considering the former; as regards the latter, it is most probable that therein will be found the kernel of the whole problem. While it is possible for property to fetch a sum at public auction which will allow to the purchaser 5 per cent. on his outlay, and when the cost of structural alterations and repairs are added to the purchase-money, how can the future tenants obtain possession without paying high rents. This explains the reason for people offering large premiums for the keys, and engaging to pay increased rents; this explains why the new tenants have to sub-let to the utmost capacity of the premises. This condition has been continually increasing, and the end of the difficulty has not yet been reached. I would suggest that no public money should be advanced to builders of residences for the working classes where the rent per room was not limited to 2/6 or 2/9 per week.

MODEL DWELLINGS, 1898.

Name and Situation of Dwellings.	Number of Apartments.	Number of W.C.'s.	Number of Inhabitants.		Total Population.	Deaths.
			Adults.	Children.		
Albert buildings ...	47	47	112	53	165	—
Alexandra buildings ...	29	23	71	35	106	2
Alfred buildings ...	26	26	61	14	75	2
Blackwall buildings ...	156	80	407	279	686	21
Booth street buildings...	144	30	308	263	571	19
Brady street buildings ...	286	250	766	574	1340	16
Brunswick buildings ...	280	280	842	566	1408	14
Buckle street buildings ...	30	10	78	100	178	4
College buildings ...	70	54	118	63	181	3
Davis mansions ...	132	132	529	416	945	7
Fleur-de-lis buildings ...	20	7	40	50	90	—
Glasshouse buildings ...	25	12	61	39	100	3
Gt. Eastern bldgs, Fieldgate st.	47	32	110	52	162	3
Gt. Eastern bldgs., Quaker st.	92	48	208	141	349	7
Godfrey house ...	24	24	77	60	137	3
Helena house ...	24	24	72	48	120	1
Howard's buildings ...	83	83	364	123	487	7
Irene house ...	30	30	99	91	190	3
Josephine house ...	31	31	105	70	175	2
Katherine buildings ...	263	74	404	228	632	12
Lolesworth buildings ...	202	69	382	208	590	6
Metropolitan buildings ...	60	60	301	79	380	7
Montague houses ...	24	12	65	56	121	3
Morison's buildings (south) ...	54	54	131	30	161	2
Nathaniel buildings ...	170	151	413	405	818	11
New buildings, Fenter street...	25	27	62	34	96	—
Peabody bldgs., Commercial st.	60	45	147	55	202	4
Peabody bldgs., Glasshouse st.	286	120	647	383	1030	17
Pelham street buildings ...	72	72	201	146	347	4
Plough street buildings ...	46	15	101	71	172	4
Rothschild's buildings ...	228	218	286	562	848	10
Royal Mint square ...	225	110	466	196	662	13
Ruth house ...	25	25	87	63	150	3
Shepherd street buildings ...	35	14	110	58	168	4
St. George's house ...	42	30	85	37	122	2
Strafford houses ...	40	40	129	73	202	1
Tenter buildings ...	26	13	42	26	68	—
Victoria buildings ...	16	16	35	21	56	3
Wentworth buildings ...	222	158	627	564	1191	26
Winifred house...	28	28	98	70	168	3
TOTALS ...	3725	2574	9247	6402	15649	252

THE DEATHS TOOK PLACE AS FOLLOWS :—

In the London Hospital ...	...	...	...	25
," Whitechapel Infirmary ...	...	...	..	14
," Children's Hospital, Shadwell ...	...	...	...	3
," German Hospital, Dalston ...	...	...	...	2
," St. Bartholomew's Hospital ...	...	...	...	2
," North Eastern Fever Hospital...	...	...	...	1
," Park Fever Hospital ...	...	...	...	1
," St. Luke's Workhouse ...	...	...	...	1
," Mildmay Hospital ...	...	...	...	1
," University College Hospital ...	...	...	...	1
," Colney Hatch Asylum ...	...	...	...	1
," Ilford Asylum ...	...	...	...	1
," Seamen's Hospital, Greenwich ...	...	...	...	1
At 34, Victoria Chambers, Paul Street, Finsbury ...	...	...	...	1
At St. Luke's House, Osnaburgh Street ...	...	...	...	1
At the several Model Dwellings ...	...	...	...	196
				—
		Total...	...	252
				—

THE DEATHS WERE REGISTERED AS DUE TO THE FOLLOWING CAUSES :—

Zymotic Diseases	...	...	...	...	33
Phthisis and Tuberculosis	...	...	...	...	27
Other Constitutional Diseases...	...	...	...	...	22
Premature Birth and Old Age	...	...	...	...	15
Diseases of the Nervous System	...	...	...	...	38
," Circulatory	„	...	...	...	20
," Respiratory	„	...	...	...	63
," Digestive	„	...	...	...	17
," Urinary	„	...	...	...	7
Accidents—Injuries	...	...	...	...	4
Other Causes	..	...	...	...	6
		Total...	...	252	—
					—

On reference to Table H* of the Appendix, it will be seen that the total number of persons who received Medical Orders from the relieving Officers amounted to 5536. Of this number, 4041 were obtained to enable the patients to secure admission into the Whitechapel Union Infirmary, or into a Special Hospital. In addition to this number, the Infirmary Medical Officers admitted many cases of emergency during the year. The majority of the cases which were admitted into the Infirmary came from the Registered Common Lodging Houses and from the Various Shelters.

Particulars of the admissions into the Infirmary from the latter Institutions are subjoined as usual.

SHELTERS.	No. of Admission Orders given by the District Medical Officers.
Salvation Army Shelter for men, 272, Whitechapel road...	296
" " women, 194, Hanbury street...	187
" " men, Quaker street	34
" " men, Royal Mint street	65
Church Army Shelter for men, 231, Whitechapel road	—
Jewish Shelter, 84, Leman street	—
Barnardo's Shelter for women, 12, Dock street	1
" " 81, Commercial street	23
Tenter Street East Philanthropic Shelter	77
Wood Street Church Army Home	—
Working Lads' Institute, 137, Whitechapel road	—
Pelham House, Spital square	—
	683

During the year I have been greatly assisted in my work by my colleagues, the clerks, and the surveyor. I desire to thank them for their co-operation and help. With respect to my own staff, I cannot speak too highly of the manner in which their work has been performed. It is only necessary to call attention to Tables O* and P† of the Appendix to show the enormous amount of good which must result from the continuous, steady, and patient manner in which they carry out their arduous duties.

I have the honour 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, 1898.

THE LONDON HOSPITAL—PATIENTS	...	...	...	631
„ „ „	OFFICERS	...	...	396
	TOTAL	...	...	1027
—				—
THE WHITECHAPEL UNION INFIRMARY—PATIENTS	...	...	568	
„ „ „	OFFICERS	...	58	
	TOTAL	...	626	
—				—

(A) TABLE OF DEATHS DURING THE YEAR 1898 IN THE METROPOLITAN SANITARY DISTRICT OF WHITECHAPEL.
CLASSIFIED ACCORDING TO DISEASES, AGES AND LOCALITIES.

DESCRIPTION OF SUB-REGISTRATION DISTRICTS AND PUBLIC INSTITUTIONS, ALSO OUTLYING PUBLIC INSTITUTION DEATHS.	Mortality from all causes at subjoined ages.						Age.	FEVERS.														TOTAL.								
	At all ages.	Under 1 year.	1 and under 5.	5 & under 15.	15 & under 25.	25 & under 65.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
Spitalfields— (Sub-Registration District)	1st Qtr.	98	27	22	3	1	28	17	Under 5	—	—	—	—	—	—	—	—	—	3	4	—	—	—	6	9	1	1	21	49	98
	2nd ,,	49	23	6	3	1	12	4	5 upwards	—	—	—	—	—	—	—	—	—	3	—	—	—	—	3	—	—	—	23	29	49
	3rd ,,	97	56	16	—	1	18	6	Under 5	—	—	—	—	—	—	—	—	3	1	14	—	—	—	5	—	4	45	72	97	
	4th ,,	87	36	17	—	3	21	10	5 upwards	—	—	—	—	—	—	—	1	—	5	3	2	—	—	4	3	9	1	7	25	53	87
Total for year		331	142	61	6	6	79	37	Total	—	—	—	—	—	—	—	1	—	11	11	16	—	—	1	40	2	6	116	Under 5—203	Over 5—128
Mile End New Town— (Sub-Registration District)	1st Qtr.	157	18	14	5	4	89	27	Under 5	—	—	—	—	—	—	—	—	1	1	—	—	—	—	9	1	1	19	32	157	
	2nd ,,	122	19	12	2	2	71	16	5 upwards	—	—	—	—	—	—	—	2	—	—	—	—	—	36	36	16	5	27	125	31	122
	3rd ,,	132	37	12	1	3	64	15	Under 5	—	—	—	—	—	—	—	1	—	1	2	—	—	—	28	16	12	2	32	91	132
	4th ,,	141	14	19	4	—	84	20	5 upwards	—	—	—	—	—	—	—	3	—	1	—	5	—	—	3	—	39	49	83	108	141
Total for year		552	88	57	12	9	308	78	Total	—	—	—	—	—	—	—	2	—	4	—	2	—	1	30	1	2	91	Under 5—145	Over 5—407	
Deaths occurring in the Whitechapel Union Infirmary.	1st Qtr.	109	2	2	2	4	76	23	Under 5	—	—	—	—	—	—	—	1	—	—	—	—	—	—	35	29	12	1	25	4	109
	2nd ,,	84	5	1	—	2	62	14	5 upwards	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	1	—	4	6	84	
	3rd ,,	79	9	—	—	2	54	14	Under 5	—	—	—	—	—	—	—	1	—	—	—	—	—	—	28	14	9	1	26	78	79
	4th ,,	97	4	4	2	—	69	18	5 upwards	—	—	—	—	—	—	—	4	—	1	—	23	7	10	2	25	70	89	97		
Total for year		369	20	7	4	8	261	69	Total	—	—	—	—	—	—	—	1	—	4	—	1	—	—	2	1	—	19	Under 5—27	Over 5—342	

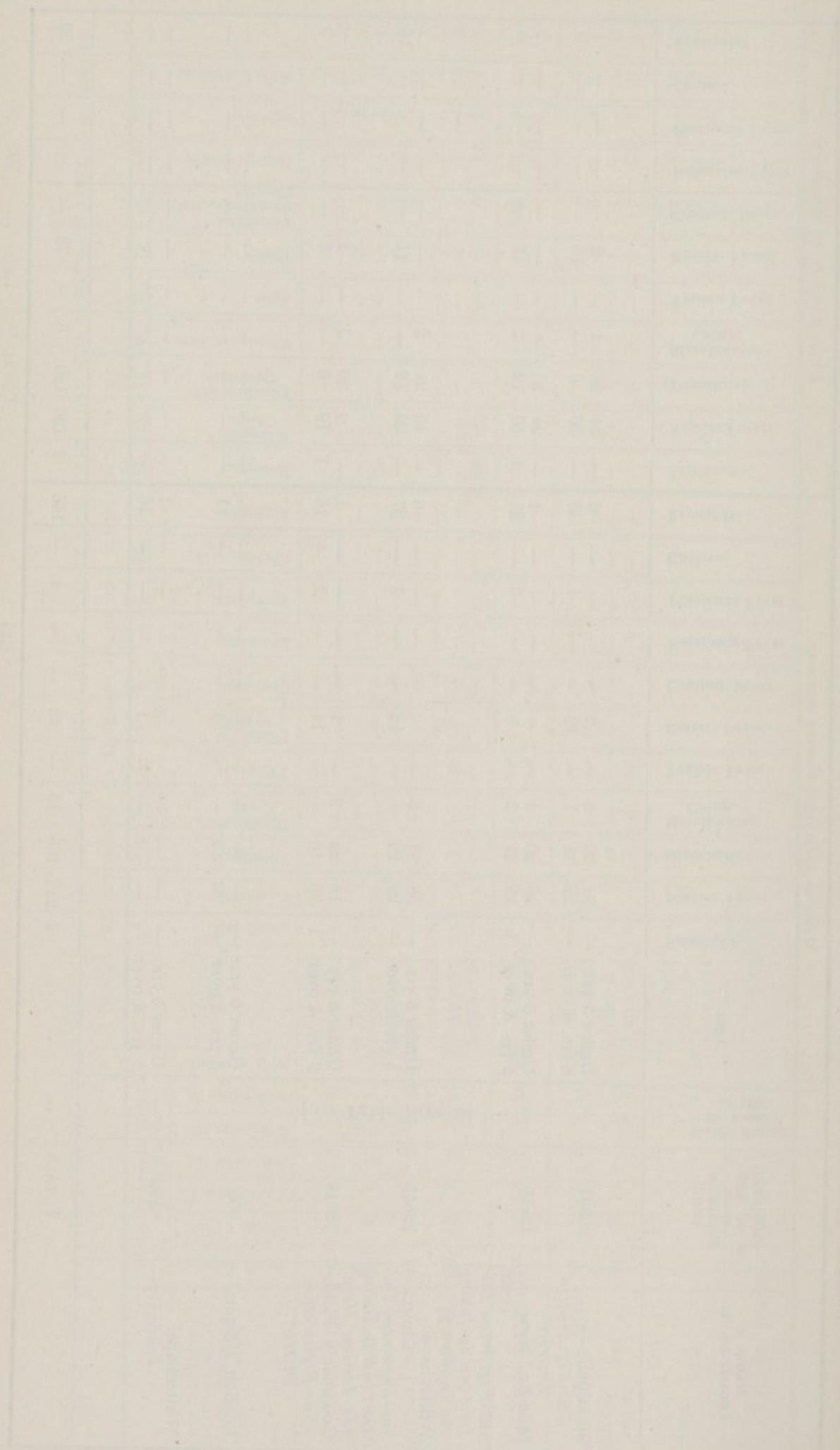
TABLE OF DEATHS DURING THE YEAR 1898 IN THE METROPOLITAN SANITARY DISTRICT OF WHITECHAPEL—(continued.)
CLASSIFIED ACCORDING TO DISEASES, AGES AND LOCALITIES

DESCRIPTION OF SUB-REGISTRATION DISTRICTS AND PUBLIC INSTITUTIONS, ALSO OUTLYING PUBLIC INSTITUTION DEATHS.	Mortality from all causes at subjoined ages.															FEVERS.										TOTAL.				
	Age.						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
	At all ages.	Under 1 year.	1 and under 5.	5 & under 15.	15 & under 25.	25 & under 65.	65 & upwards.	Small-pox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.	Measles.	Whooping Cough.	Diarrhoea and Dysentery.	Rheumatic Fever.	Ague.	Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Injuries.	All other causes.		
Whitechapel Church— (Sub-Registration District)	1st Qtr.	300	53	53	20	14	144	16	Under 5	7	—	—	—	—	—	—	—	11	—	2	—	—	—	—	31	—	11	44	106	300
	2nd "	321	47	50	19	30	158	17	5 upwards	1	—	—	—	—	—	—	—	3	5	—	—	1	—	36	25	21	91	194	321	
	3rd "	369	83	44	17	31	172	22	Under 5	6	1	—	—	—	—	—	—	1	1	1	18	—	—	27	1	11	42	97	369	
	4th "	335	52	57	25	34	147	20	5 upwards	11	—	—	4	—	—	—	—	3	4	—	1	—	—	17	2	10	75	127	335	
Total for year		1325	235	204	81	109	621	75	Total	—	30	1	—	—	—	—	—	19	8	14	—	3	—	103	4	40	214	Under 5—439 Over 5—886		
Deaths occurring in the London Hospital.	1st Qtr.	236	32	42	17	13	125	7	Under 5	5	—	—	—	—	—	—	—	5	—	—	—	1	—	—	22	—	9	33	74	236
	2nd "	273	29	39	19	28	144	14	5 upwards	6	—	—	2	—	—	—	—	1	1	2	—	—	—	12	26	22	21	78	162	
	3rd "	291	34	36	16	28	163	14	Under 5	6	—	—	1	—	—	—	—	3	—	1	3	—	—	14	16	1	12	28	68	
	4th "	272	29	40	23	35	137	8	Under 5	10	—	—	4	—	—	—	—	1	3	—	1	—	—	8	17	34	28	125	221	
Total for year		1072	124	157	75	104	569	43	Total	—	27	—	—	—	—	—	—	18	—	—	—	1	—	—	68	2	36	129	Under 5—281 Over 5—791	
Deaths of Non-Residents Registered within the Whitechapel District	1st Qtr.	217	22	38	16	14	118	9	Under 5	5	—	—	—	—	—	—	—	5	—	—	—	—	—	—	16	—	5	29	60	217
	2nd "	263	27	33	15	26	146	16	5 upwards	5	—	—	2	—	—	—	—	2	1	—	—	—	—	—	15	26	20	19	74	157
	3rd "	267	27	29	12	25	155	19	Under 5	4	—	—	4	—	—	—	—	1	3	1	3	—	—	—	14	21	1	10	27	60
	4th "	256	22	33	20	32	136	13	5 upwards	10	—	—	11	—	—	—	—	1	3	—	1	—	—	11	21	31	25	124	211	
Total for year		1003	98	133	63	97	555	57	Total	—	24	—	—	—	—	—	—	17	—	—	1	—	—	2	47	2	28	112	Under 5—231 Over 5—772	

TABLE OF DEATHS DURING THE YEAR 1898 IN THE METROPOLITAN SANITARY DISTRICT OF WHITECHAPEL—(continued.)
CLASSIFIED ACCORDING TO DISEASES, AGES AND LOCALITIES.

TABLE OF POPULATION, BIRTHS, AND NEW CASES OF INFECTIOUS SICKNESS coming to the knowledge of the Medical Officer of Health during the year, 1897, in the Metropolitan Sanitary District of Whitechapel ; Classified according to Diseases, Ages and Localities.

NAMES OF LOCALITIES, &c.	Population at all ages. Census. Population 1896.	Births during 52 weeks of 1896.	Ages.	CASES OF INFECTIOUS DISEASE NOTIFIED.												CASES REMOVED TO HOSPITALS.											
				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.	Contind. Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.		
Spitalfields— Sub-Registration District.	26681	—	Under 5 yrs. 5 yrs. & over	—	38	26	1	—	—	—	—	—	—	6	—	34	23	1	—	—	—	—	—	—	—	1	9
Mile End New Town Sub-Registration District (not including the Infirmary)	12816	[See Table page 24.]	Under 5 yrs. 5 yrs. & over	—	28	20	1	2	—	—	—	—	—	12	—	—	—	—	—	—	—	—	—	—	10	2	
Whitechapel Church— Sub-Registration District (not including the London Hosp.)	25561		Under 5 yrs. 5 yrs. & over	—	58	31	5	—	—	—	12	—	—	—	—	4	—	24	13	—	—	—	—	—	—	2	
Goodman's Fields— Sub-Registration District.	13618		Under 5 yrs. 5 yrs. & over	—	29	22	—	—	—	—	—	—	—	37	—	—	29	24	2	—	—	—	—	—	—	3	
London Hospital—	990		Under 5 yrs. 5 yrs. & over	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Whitechapel Infirmary—	592		Under 5 yrs. 5 yrs. & over	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	
TOTALS	...	...	...	2	243	168	13	—	43	—	—	4	—	146	2	196	120	6	—	32	—	—	—	—	—	39
					TOTAL	...	...							619		TOTAL	...	...								395



APPENDIX.

TABLE A.—Births Registered in the Whitechapel District during the year 1898.

Sub-Registration Districts.	Spital-fields.	Mile End New Town	White-chapel Church.	Goodman's Fields.	Boys.	Girls.	TOTAL.
First Quarter ...	312	199	238	110	451	408	859
Second " ...	252	229	244	108	406	427	833
Third " ...	244	170	229	102	373	372	745
Fourth " ...	244	157	188	99	335	353	688
TOTAL... ...	1052	755	899	419	1565	1560	3125

MEM.—105 births took place in the Whitechapel Union Infirmary; 17 of such births were belonging to non-residents.

Distributing the remainder among the several districts, the corrected distribution is as follows:—

Correct births 1091 | 676 | 916 | 425 | Total ... 3108.

TABLE B.—Deaths Registered in the Whitechapel District during the year 1898.

Sub-Registration Districts.	Spital-fields.	Mile End New Town	White-chapel Church.	Goodman's Fields.	Males.	Females.	TOTAL.
First Quarter ...	98	157	300	58	350	263	613
Second " ...	49	122	321	32	313	211	524
Third " ...	97	132	369	41	395	244	639
Fourth " ...	87	141	335	39	343	259	602
TOTAL... ...	331	552	1325	170	1401	977	2378

TABLE C.—The Deaths of 1005 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).	TOTAL.
Nil.	72	932	1	{ Males ... 613 Females ... 392

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

Name of Institution or Place.			No. of Deaths.	Name of Institution or Place.			No. of Deaths.
METROPOLITAN ASYLUMS' BOARD HOSPITALS:—							
Fever	Brook	...	1	Brought over	...	109	
	Eastern	...	6	Moses' Almshouses	...	1	
	Northern	...	1	Poplar & Stepney Sick Asylum	...	1	
	North-Eastern	...	6	River Lea, Hackney	...	1	
	Park	...	5	River Thames	...	1	
	South-Eastern	...	8	Royal Chest Hospital	...	1	
Asylums	Colney Hatch	...	10	Royal Free Hospital	...	1	
	Claybury	...	1	St. Ann's House, Stoke Newington	...	2	
	Ilford	...	8	St. Bartholomew's Hospital	...	23	
	Leavesden	...	2	St. Giles' Workhouse	...	1	
	Bethnal Green Workhouse	...	4	St. Luke's Hospital	...	2	
	Brompton Hospital	...	2	St. Luke's House, Osnaburgh	...	2	
	Central London Sick Asylum	...	1	St. Mary's Hospital	...	1	
	Charing Cross Hospital	...	1	St. Olave's Infirmary	...	1	
	Children's Hospital, Gt. Ormond street	...	7	St. Peter's Hospital	...	1	
	Children's Hospital, Shadwell	...	20	Seaman's Hospital	...	1	
	German Hospital	...	12	Shadwell Basin	...	1	
	Gt. Northern Central Hospital	...	1	Shoreditch Infirmary	...	1	
	Guy's Hospital	...	3	Station Hospital, Rochester row	...	1	
	Hackney Infirmary	...	1	Station Hospital, Vincent Square	...	2	
	Hand-in-Hand Asylum	...	1	South Grove Workhouse	...	44	
	Home for Incurables	...	1	University College Hospital	...	2	
	Jewish Home, Stepney Green	...	3	Victoria Chambers, Finsbury	...	1	
	Metropolitan Hospital	...	2	Watney Street, St. George-in-East	...	1	
	Metropolitan Station, King's Cross	...	1	Wormwood Scrubbs	...	1	
	Mildmay Hospital	...	1				
	Carried over	...	109		TOTAL	...	203

124 were Males and 79 Females.

THE ABOVE DEATHS WERE REGISTERED AT THE FOLLOWING AGES:—

Under the age of 1 year	...	...	...	28
Between the ages of 1 and 5 years	...	...	...	33
" " 5	20	...	...	15
" " 20	40	...	...	37
" " 40	60	...	...	27
" " 60	80	...	...	54
Over the age of 80 years	...	...	...	9

THE PERSONS WHO DIED IN OUTLYING PUBLIC INSTITUTIONS WERE ADMITTED FROM THE SUB-REGISTRATION DISTRICTS AS FOLLOWS:—

From Spitalfields	...	...	...	71
" Mile End New Town	...	...	...	47
" Whitechapel Church	...	...	...	47
" Goodman's Fields	...	...	...	38

THE DEATHS WERE ATTRIBUTED TO THE FOLLOWING CAUSES:—

Zymotic Diseases (s. fever, 9; diphtheria, 9; diarrhoea, 9)	...	...	32
Privation	...	...	1
Constitutional Diseases (cancer, 14; phthisis, 11)	...	...	30
Premature Birth	...	...	1
Old Age	...	...	10
Diseases of the Nervous System	...	...	33
" Heart	...	...	16
" Respiratory System	...	...	38
" Digestive	...	...	19
" Glandular	...	...	2
" Urinary	...	...	7
" Integumentary	...	...	2
Accident	...	...	9
Suicide	...	...	1
Other Causes	...	...	2
		TOTAL	...
			203

TABLE E.—CORRECT DISTRICT MORTALITY TABLE.

Resident's Deaths, wherever registered, being correctly referred to their proper
Sub-Districts.

Sub-Registration Districts.	Spital-fields	Mile End New Town	White-chapel Chu ch.	Goodman's Fields.	TOTAL.
First Quarter	174	80	113	85	452
Second	121	61	76	62	320
Third	173	69	118	55	415
Fourth	158	61	111	59	389
TOTAL	626	271	418	261	M. 912 F. 664 1576

TABLE F.—Showing the Age at Death of the Residents who Died during 1898.

	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTAL.
Under the age of 1 year ...	99	77	172	95	443
Between 1 and 5 years ...	67	50	60	74	251
" 5 .. 20	20	18	18	15	71
" 20 .. 40	58	43	49	56	206
" 40 .. 60	102	66	70	74	312
" 60 .. 80	92	58	35	65	250
Over the age of 80 years ...	14	8	11	10	43
TOTAL ...	452	320	415	389	1576

METROPOLITAN BIRTHS AND DEATHS:—

TABLE G.—Total Births and Deaths; also Deaths under 5 years of age.

Number of Births in London during the year 1898	...	...	132,432
" Deaths	" "	" "	83,939
" " under 1 year of age	" "	" "	22,239
" " between the ages of 1 and 5	" "	" "	12,046

TABLE (H).—DISTRICT MEDICAL OFFICERS' ANALYSIS OF CASES FOR 1898.

DISEASES.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTAL.	DISEASES.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTAL.
All Causes.	1594	1359	1253	1380	5586	40 Apoplexy .....	...	...	...	1	1
ZYMOTIC DISEASES.						41 Epilepsy	9	5	4	7	25
1 Small-pox	Vaccinated .....	...	...	...	...	42 Convulsions	1	1	...	1	3
	Unvaccinated .....	...	...	...	...	43 Other diseases of brain and nervous system	96	53	60	46	253
2 Measles	23	19	10	14	66	44 Diseases of organs of special sense	24	22	11	7	64
3 Scarlet Fever .....	...	...	...	1	1	45 Diseases of the circulatory system	30	31	37	24	122
4 Typhus .....	...	...	...	...	...	46 Croup .....	...	...	...	1	1
5 Relapsing Fever .....	...	...	...	...	...	47 Bronchitis	185	82	81	149	497
6 Influenza	75	24	11	13	123	48 Pneumonia	7	2	2	9	20
7 Whooping-Cough	1	...	...	2	3	49 Pleurisy	7	11	3	6	27
8 Diphtheria	6	...	...	...	6	50 Other respiratory diseases	259	195	124	163	741
9 Simple, Continued and ill-defined Fever .....	...	...	...	...	...	51 Dentition	1	...	4	4	9
10 Enteric Fever .....	...	...	1	...	1	52 Quinzy, sore throat	8	19	23	16	66
11 Simple Cholera .....	...	...	...	...	...	53 Enteritis .....	...	...	...	...	...
12 Diarrhoea, Dysentery	18	25	60	19	122	54 Peritonitis .....	...	...	...	...	...
13 Remittent Fever .....	...	...	...	...	...	55 Diseases of Liver	3	3	4	4	14
14 Hydrocephalus .....	...	...	...	...	...	56 Other diseases of digestive system	95	65	106	88	354
15 Glanders .....	...	...	...	...	...	57 Diseases of lymphatic system and ductless glands	2	7	2	4	15
16 Cow-Pox and effects of Vaccination .....	...	...	...	...	...	58 Diseases of urinary systm.	27	31	27	31	116
17 Venereal affections	23	32	28	32	115	59 Diseases of generative system	70	61	61	56	248
18 Erysipelas	1	1	5	7	14	60 Accidents of childbirth .....	...	...	...	2	2
19 Pyæmia and Septicæmia .....	...	...	...	...	...	61 Diseases of locomotive system	179	206	176	220	781
20 Puerperal Fever .....	...	...	...	...	...	62 Diseases of integumentary system	62	61	64	45	232
21 Other Zymotic Diseases .....	...	1	1	3	5	ACCIDENTS.					
22 Thrush .....	...	1	...	...	1	63 Fracture and Contusion..	88	68	41	62	259
23 Worms and other Parasitic Diseases .....	...	1	3	2	6	64 Gunshot wounds .....	...	...	...	...	...
24 Starvation, want of breast-milk	8	8	12	24	52	65 Cut, stab .....	...	...	...	...	...
25 Alcoholism	4	9	12	8	33	66 Burn and scald .....	...	5	2	3	10
26 Rheumatic Fever and rheumatism of heart .....	...	...	...	1	1	67 Poison	2	1	1	...	4
27 Rheumatism	126	107	108	107	448	68 Drowning .....	...	...	...	...	...
28 Gout	9	7	4	4	24	69 Suffocation .....	...	...	...	...	...
29 Rickets .....	...	...	...	...	...	70 Otherwise .....	...	...	...	...	...
30 Cancer	1	...	1	1	3	71 Other causes	123	22	135	116	496
31 Tabes Mesenterica .....	...	...	...	...	...	
32 Tubercular Meningitis .....	...	...	4	...	4						
33 Phthisis	16	25	19	30	80						
34 Scrofula, Tuberculosis .....	...	...	2	1	3						
35 Other Constitutnl. diseas.	3	44	4	2	53						
36 Premature birth .....	...	...	...	...	...	
37 Atelectasis .....	...	...	...	...	...	
38 Congenital malformati.s. .....	...	...	...	...	...	
39 Old age	2	4	...	4	10						

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

CLASS OF DISEASE.	PERCENTAGE OF DEATHS TO TOTAL DEATHS.	
	County of London <i>including Whitechapel</i>	Whitechapel District.
Zymotic Diseases (as named in the Registrar-General's Returns) ...	17.7	10.97
Parasitic Diseases	0.05	0.00
Privation and Alcoholism	0.86	0.50
Constitutional Diseases	20.0	24.68
Premature Birth and Old Age	6.9	4.50
Diseases of the Nervous System ...	9.6	11.42
" Organs of Special Sense ...	0.2	0.19
" Circulatory System ...	8.1	8.50
" Respiratory " ...	17.5	20.68
" Digestive " ...	7.1	10.02
" Lymphatic " ...	0.1	0.19
" Urinary " ...	2.8	2.72
" Generative " ...	0.3	0.31
Accidents of Childbirth " ...	0.2	0.12
Diseases of the Locomotive System ...	0.2	0.25
" Integumentary " ...	0.4	0.12
Violent Deaths—Accident ...	4.1	4.56
" Homocide ...		
" Suicide ...		
" Execution ...		0.00
Other Causes	3.2	0.12

TABLE J.—VACCINATION STATISTICS.

Certificates of successful Vaccination registered by the Vaccination Officer.—						
Born in the Whitechapel Union						2378
Resident in the Union, but born elsewhere						134
Total...						2512
9 returned as "insusceptible."						
Public Vaccinator's Statistics:—						
Primary	By Public Vaccinator By Infirmary Medical Superintendent	under 1 year	1518	1555	130	
		above 1 year	37			
Re-Vaccination... ...	By Public Vaccinator By Infirmary Medical Superintendent	under 1 year	102	1685	1	
		above 1 year	28			
						1

TABLE L.—METROPOLITAN DEATHS FOR FOUR QUARTERS ENDED DEC 31ST, 1898.

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 ...	24427	18444	21762	19306	83939	38 Congenit'l Malformations ...	134	94	101	86	415
ZYMOTIC DISEASES.						39 Old Age ...	786	555	546	643	2530
1 Small-Pox	Vaccinated...	...	...	...	...	40 Apoplexy ...	587	498	420	587	2092
1	Unvaccinated	...	...	...	...	41 Epilepsy ...	82	88	97	81	348
2	No statement	...	...	1	1	42 Convulsions ...	449	380	452	358	1639
2 Measles ...	1493	1077	236	265	3071	43 Other Diseases of Brain & Nervous System ...	1166	937	990	964	4057
3 Scarlet Fever ...	182	154	108	189	583	44 Diseases of Organs of Special Sense ...	67	35	49	55	206
4 Typhus ...	2	...	...	2	4	45 Diseases of the Circulatory System ...	1941	1587	1507	1779	6814
5 Relapsing Fever ...	...	...	...	...	...	46 Croup ...	28	11	6	18	58
6 Influenza ...	857	212	63	151	1283	47 Bronchitis ...	3566	1474	883	1858	7781
7 Whooping cough ...	817	673	431	240	2161	48 Pneumonia ...	1914	1229	954	1346	5443
8 Diphtheria ...	534	366	360	511	1771	49 Pleurisy ...	71	84	41	85	281
9 Simple, Continued, & Ill-defined Fever)	2	1	3	3	9	50 Other respiratory dis's ...	443	243	197	266	1149
10 Enteric Fever ...	103	72	119	291	585	51 Dentition ...	107	105	84	64	360
11 Simple Cholera ...	...	...	126	4	130	52 Quinzy, Sore Throat ...	20	7	11	18	56
12 Diarrhoea, Dysentery	131	184	3590	473	4378	53 Enteritis ...	191	231	1582	484	2488
13 Remittent Fever ...	...	3	1	...	4	54 Peritonitis ...	67	75	65	72	279
14 Hydrocephalus ...	...	...	...	...	...	55 Diseases of Liver ...	301	280	323	344	1248
15 Glanders ...	...	...	1	1	2	56 Other Diseases of Digestive System ...	391	382	448	367	1588
16 Cow-pox and Effects of Vaccination ...	5	2	...	1	8	57 Dis's of Lymphatic System and Ductless Glands ...	30	32	21	31	114
17 Venereal Affections ...	131	90	116	85	422	58 Diseases of Urinary System ...	609	685	560	607	2411
18 Erysipelas ...	43	40	30	52	165	59 Diseases, Generative System ...	61	64	71	73	263
19 Pyæmia & Septicæmia	20	17	9	21	67	60 Accidents, Childbirth	39	52	48	38	177
20 Puerperal Fever ...	45	49	25	65	184	61 Diseases of Locomotive System ...	59	55	49	47	211
21 Other Zymotic dis's ...	16	17	19	10	62	62 Diseases of Integumentary System ...	83	84	72	91	333
22 Thrush ...	6	5	11	5	27	VIOLENT DEATHS.					
23 Worms and other Parasitic diseases ...	2	7	5	6	20	63 Accidents ...	777	720	735	758	299
24 Starvation, Want of Breast-milk ...	24	5	18	17	64	64 Other than Accidental	125	142	134	110	51
25 Alcoholism ...	176	149	167	172	664	65 Other Causes ...	594	504	911	682	269
26 Rheumatic Fever and Rheumatism of the Heart ...	91	87	90	99	367						
27 Rheumatism ...	34	20	26	20	100						
28 Gout ...	39	35	28	35	137						
29 Rickets ...	77	81	76	44	278						
30 Cancer ...	991	998	1078	1015	4082						
31 Tabes Mesenterica ...	198	180	391	231	1000						
32 Tubercular Meningitis	302	320	371	240	1233						
33 Phthisis ...	2287	1915	1733	2035	7970						
34 Scrofula, Tuberculosis	230	251	261	236	978						
35 Other constitut'n'l dis's	181	161	171	190	703						
36 Premature birth ...	665	619	703	676	2663						
37 Atelectasis ...	60	70	39	59	228						

TABLE (M).—WHITECHAPEL DISTRICT DEATHS FOR 1898.

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	452	320	415	389	1576	45 Diseases of the circulatory system ...	43	27	32	33	135
ZYMOTIC DISEASES.						46 Croup ...	3	...	...	...	3
1 Small-Pox	Vaccinated ...	...	...	...	...	47 Bronchitis ...	53	24	18	26	121
	Unvaccinated ...	...	...	...	...	48 Pneumonia ...	57	32	32	57	178
	No statement ...	...	...	...	...	49 Pleurisy ...	7	...	3	1	11
2 Measles	10	6	8	14	38	50 Other respiratory diseases	1	4	1	7	13
3 Scarlet Fever ...	3	3	2	1	9	51 Dentition...	2	6	3	1	12
4 Typhus ...	...	...	...	...	...	52 Quinzy, sore throat	...	...	...	...	...
5 Relapsing Fever ...	...	...	...	...	...	53 Enteritis ...	...	...	...	...	...
6 Influenza ...	8	2	...	2	12	54 Peritonitis ...	...	2	...	1	3
7 Whooping-Cough ...	8	10	1	3	22	55 Diseases of liver...	1	3	1	3	8
8 Diphtheria ...	9	3	4	4	20	56 Other diseases of digestive system ...	19	18	73	25	135
9 Simple, continued and Ill-defined Fever	...	...	...	...	...	57 Diseases of lymphatic system and ductless glands ...	1	1	1	...	3
10 Enteric Fever ...	1	2	4	2	9	58 Diseases of the urinary system...	12	15	7	9	43
11 Simple Cholera ...	...	...	...	...	...	59 Diseases of generative system ...	...	2	2	1	5
12 Diarrhoea, Dysentery ...	2	1	43	7	53	60 Accidents of childbirth...	...	...	...	2	2
13 Remittent Fever ...	...	...	...	...	...	61 Diseases of locomotive system ...	1	2	1	...	4
14 Hydrophobia ...	...	...	...	...	...	62 Diseases of integumentary system ...	...	2	...	...	2
15 Glanders ...	...	...	...	...	...	VIOLENT DEATHS.					
16 Cow-Pox and effects of Vaccination ...	...	...	...	...	...	(Accident).					
17 Venereal affections ...	2	...	1	2	5	63 Fracture and Contusion	6	5	10	7	28
18 Erysipelas ...	...	...	...	2	2	64 Gun Shot wounds	1	...	...	...	1
19 Pyæmia and Septicæmia ...	1	...	...	...	1	65 Cut, stab ...	...	...	...	...	...
20 Puerperal Fever...	...	1	1	...	2	66 Burn and scald ...	11	2	2	3	18
21 Other Zymotic diseases ...	...	...	...	...	...	67 Poison ...	...	...	1	...	1
22 Thrush ...	...	...	...	...	...	68 Drowning ...	...	2	1	...	4
23 Worms and other Parasitic Diseases ...	...	...	...	...	...	69 Suffocation ...	7	...	4	3	14
24 Starvation, want of breast-milk ...	1	...	...	...	1	70 Otherwise ...	...	...	...	...	...
25 Alcoholism ...	2	2	1	2	7	(Homicide).					
26 Rheumatic Fever and rheumatism of heart...	...	...	1	...	1	71 Murder & Manslaughter	1	1	...	1	3
27 Rheumatism ...	2	...	1	1	4	(Suicide).					
28 Gout ...	...	...	1	...	1	72 Gun Shot wounds ...	...	...	...	...	...
29 Rickets ...	1	...	3	2	6	73 Cut, stab ...	...	...	...	...	...
30 Cancer ...	15	12	8	12	47	74 Poison ...	...	...	...	...	...
31 Tabes Mesenterica ...	2	2	5	2	11	75 Drowning ...	...	...	...	...	...
32 Tubercular Meningitis...	3	9	6	4	22	76 Hanging ...	...	...	...	...	...
33 Phthisis ...	52	48	37	51	188	77 Otherwise ...	1	1	...	1	3
34 Scrofula, Tuberculosis...	3	3	2	4	12	78 Other causes ...	1	...	1	...	2
35 Other Constitnl. diseases	20	13	35	29	97						
36 Premature birth...	7	6	11	6	30						
37 Atelectasis ...	...	...	...	...	...	
38 Congenital malformatns.	...	...	...	...	...	
39 Old age ...	19	7	9	6	41						
40 Apoplexy...	15	6	8	14	43						
41 Epilepsy ...	3	2	3	...	8						
42 Convulsions ...	13	10	8	10	41						
43 Other diseases of brain and nervous system	21	21	20	26	88						
44 Diseases of organs of special sense ...	...	1	1	1	3						

CASES OF INFECTIOUS SICKNESS IN THE RETURNS OF THE METROPOLITAN ASYLUMS' BOARD, THE LONDON FEVER HOSPITAL, FROM THE REGISTRAR GENERAL'S RETURNS.

1898.	SCARLET FEVER.		DIPHTHERIA.		ENTERIC FEVER.		1898.	SCARLET FEVER.		DIPHTHERIA.		ENTERIC FEVER.	
	Total in Hospital.	New Cases.	Total in Hospital.	New Cases.	Total in Hospital.	New Cases.		Total in Hospital.	New Cases.	Total in Hospital.	New Cases.	Total in Hospital.	New Cases.
1st week	3450	239	1062	134	111	20	27th week	2250	237	1013	155	62	15
2nd ..	3253	215	1023	113	110	15	28th ..	2314	265	1033	156	68	12
3rd ..	3149	248	1045	125	109	17	29th ..	2355	276	1034	151	85	23
4th ..	3061	244	1062	163	106	15	30th ..	2321	232	1022	128	87	15
5th ..	2964	209	1054	155	96	9	31st ..	2326	224	1024	119	97	23
6th ..	2871	232	1042	135	93	15	32nd ..	2293	201	953	86	106	20
7th ..	2781	233	1058	147	87	14	33rd ..	2241	187	937	113	106	18
8th ..	2674	199	1061	125	84	7	34th ..	2178	182	908	100	115	21
9th ..	2534	175	1047	128	82	13	35th ..	2240	238	869	117	118	23
10th ..	2445	197	1027	122	84	15	36th ..	2300	273	893	144	119	25
11th ..	2419	255	1024	143	79	14	37th ..	2319	242	916	158	127	24
12th ..	2377	239	1009	121	64	7	38th ..	2353	288	964	155	128	26
13th ..	2371	191	1022	133	72	10	39th ..	2459	300	1027	197	155	36
Total	36349	2876	13536	1744	1177	171	Total	29949	3145	12588	1779	1373	281
14th ..	2421	234	1004	121	62	11	40th ..	2606	358	1052	180	176	35
15th ..	2384	217	962	109	61	13	41st ..	2915	381	1169	187	214	44
16th ..	2334	241	953	105	67	14	42nd ..	3024	335	1186	151	233	45
17th ..	2302	205	930	110	59	10	43rd ..	2728	357	1125	183	191	38
18th ..	2271	209	942	133	54	3	44th ..	3092	318	1241	174	230	39
19th ..	2246	229	949	131	57	11	45th ..	3188	340	1251	179	242	43
20th ..	2241	223	953	130	55	8	46th ..	3259	319	1251	187	252	45
21st ..	2195	256	923	144	54	10	47th ..	3162	234	1250	157	267	53
22nd ..	2207	220	973	147	55	14	48th ..	3142	264	1274	168	286	47
23rd ..	2169	206	1001	150	44	7	49th ..	3090	276	1314	206	286	29
24th ..	2194	230	1018	134	47	12	50th ..	3043	260	1310	155	285	43
25th ..	2238	231	999	126	52	12	51st ..	2901	221	1261	171	266	40
26th ..	2205	204	976	120	53	8	52nd ..	2939	225	1248	166	255	30
Total	29407	2905	12583	1660	720	133	Total	39089	3888	15932	2264	3183	531
							Year's total	134794	12814	54639	7447	6453	1116

TABLE O.—PRINCIPAL ZYMOTIC DISEASES DEALT WITH DURING THE YEAR 1898.

TABLE O (*continued*).—PRINCIPAL ZYMOTIC DISEASES DEALT WITH
DURING THE YEAR 1898.

395 of above were removed to Hospitals.

7 " " In-patients at London Hospital.

19 " " " In-patients at London Hospital.
" " " " Whitechapel Infirmary.

Total 656

In addition to the above, there occurred in the Tower of London (which is extra-parochial), 1 case of Enteric Fever, 1 case of Erysipelas, and 11 cases of Measles.

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

CLASSIFICATION OF WORK.	Quarter ended Mar. 26th, 1896.	Quarter ended June 25th, 1896.	Quarter ended Sept. 24th, 1896.	Quarter ended Dec. 31st, 1896.	Totals for the year.
Number of Inspections of houses as shown in the Official Returns ...	4586	5851	6552	5541	22530
Preliminary notices served ...	436	604	463	586	2089
Compulsory orders issued ...	133	146	129	178	586
Summons taken out under Public Health (London) Act	9	7	2	—	18
" " Adulteration of Food and Drugs Act ...	1	2	1	1	5
Cellars used as dwellings caused to be discontinued to be so used...	2	8	—	—	10
Cases of overcrowding and indecent occupation abated	8	14	10	22	54
Housing in which walls and ceilings have been cleansed or repaired	272	284	221	234	1011
Roofs of houses repaired ...	26	36	18	34	114
Ventilation of houses improved ...	14	43	34	75	166
Houses in which floorings of rooms, staircases, risers or treads, window-sashes and frames, baluster rails, or fire stoves have been repaired ...	30	31	32	18	111
Damp courses to houses inserted ...	5	11	8	1	25
Passage and staircases of houses provided with light ...	3	—	—	—	3
Eave-gutters or stack-pipes provided or repaired ...	22	46	39	31	138
Nuisances from smoke abated ...	—	6	5	4	15
Rooms disinfected with sulphurous acid gas after the occurrence of cases of infectious diseases, &c. ...	185	146	232	206	769
Articles, consisting of beds, bedding, clothing, &c., removed and disinfected ...	362	2498	4744	6004	13608
Crates of clothing from Whitechapel Infirmary disinfected ...	503	621	—	—	1124
Articles burnt by consent ...	3	—	51	—	54
Hackney carriages disinfected ...	—	—	—	1	1
Courts and yards of houses paved, or paving repaired ...	62	79	83	98	322
Drainage of houses altered, improved or reconstructed	82	85	64	64	295
Traps to drains in houses, yards or courts improved ...	208	134	143	200	685
Closet pans and traps re-set ...	53	45	87	76	261
Closets provided with light and ventilation ...	8	97	10	15	130
Closets provided with a water supply and flushing apparatus, or defective water fittings repaired ...	67	86	70	143	366
Closets cleansed or repaired ...	172	251	181	241	845
Additional water closets provided ...	4	11	—	49	64
Walls of yards or courts limewashed ...	25	109	21	27	282
Water supply to houses provided or improved ...	30	16	21	16	83
Nuisances from dung or other offensive matter removed	52	54	49	62	217
Houses closed by Magistrate's order, or by consent, as unfit for human habitation ...	5	2	34	—	41
Dust-bins provided or repaired, or removed, and galvanized iron dust-pails substituted ...	3	3	1	2	9
Samples under Sale of Food and Drugs Act submitted to the public analyst ...	30	30	—	33	93
Dead bodies removed to mortuary ...	6	—	—	—	6
Bakehouses cleansed ...	22	1	—	30	53
Workshops cleansed ...	13	6	32	15	66
Ventilation of workshops improved ...	12	3	6	3	24
Overcrowding in workshops abated ...	2	4	1	1	8
Additional closet accommodation to workshops provided	31	13	9	9	62
Workshops closed ...	11	8	4	12	35
Receptacles for dung provided and reconstructed ...	—	2	1	3	6
Nuisance from frying fish abated ...	—	—	1	—	1
Sinks unstopped and cleansed ...	16	—	—	—	16
Urinals cleansed ...	—	4	—	—	4

In addition to the above the Inspectors have had destroyed, as unfit for human food, during the year the following articles, viz.:—6 cases of Oranges; 42 bags of Potatoes; 5 tons of Carrots; 39 bags of Cocoa Nuts; 11 bushels and 3 barrels of Apples; 7 boxes and 3 barrels of Pears; 7 bags of Onions; 12 packages of Cabbages; 7 packages of Cauliflower; 5 baskets of Cherries; 42 baskets of Plums; 66 Melons; 2 boxes of Grapes; 1 case of Tomatoes; 27 cases of Cucumbers; 3 barrels of Salmon; 18 Gurnets; 22 baskets of Fresh Water Fish; 3 boxes of Zander Fish; 10 Cod Fish; 7 Sea Bream; 2 baskets of Hake; 1 box of Eels; 1 trunk of Mixed Fish; 12 boxes of Smelts; 2 boxes of Haddock; 1968 tins of Condensed Milk, and 1104 Turkeys.

TABLE (Q).—METEOROLOGICAL STATISTICS.

	No. of Hours of Registered Bright Sunshine at Greenwich.	Mean of Degree of Humidity. (saturation being represented by 100).	Mean Reading of Barometer (in inches).	Mean Temperature (Fahrenheit).	Rainfall (in inches).
1st Quarter	164.4	81.4	29.88	41°5	3.21
2nd ..	465.2	75.4	29.74	52°8	5.48
3rd ..	607.6	70.0	29.90	62°5	2.36
4th ..	177.5	85.0	29.74	48°4	7.76
TOTAL	1414.7	77.9	28.15	51°3	18.81

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

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

		No. of Hours of Registered Bright Sunshine at Greenwich.	Humidity of Atmosphere.		Reading of the Barometer. (in inches).	Temperature. (Fahrenheit.)	OZONE.
1st Qr.	Highest	13th wk. 28·9	3rd week	91	4th wk. 30·37	11th week 45°7	11th wk. 2·0
	Lowest	4th „ 2·2	10th „	76	13th „ 29·45	12th „ 37°5	(1st, 2nd & 18th wks. 0·0)
2nd Qr.	Highest	1st wk. 47·8	7th week	82	11th wk. 30·06	12th week 60°5	(1st & 3rd weeks 1·1
	Lowest	4th „ 23·9	1st „	67	6th „ 29·55	3rd „ 46°4	5th, 6th, 7th, 11th & 13th weeks 0·0)
3rd Qr.	Highest	7th wk. 61·0	4th and 6th weeks	76	1st wk. 30·03	10th week 70°4	13th week 0·7
	Lowest	4th „ 25·6	11th wk.	64	13th „ 29·80	13th „ 52°9	2nd, 3rd, 4th 8th, 10th, 11th & 12th wks 0·0)
4th Qr.	Highest	5th wk. 28·7	6th week	93	12th „ 30·18	1st week 56°1	9th week 1·2
	Lowest	11th „ 0·8	5th „	79	3rd „ 29·25	12th „ 40°1	(1st & 6th weeks 0·0)

Rain or Melted Snow fell on 137 days in the year.

The highest Temperature was Registered on September 8th, 92°. The lowest " February 21st, 26°.

LICENSED SLAUGHTER-HOUSES.

WHITECHAPEL.

ADDRESS.	TO WHOM LICENSED.	ADDRESS.	TO WHOM LICENSED.
3, High Street	... Lousia Wood.	4, High Street	... Morris Bosman.
6, " "	... Gabriel Horwitz.	2, " "	... Robert Gower.
27, " "	... Thomas Kefford.	52, Cable Street	... Charles Pettitt.

LICENSED COW-HOUSES.

WHITECHAPEL.

21, Black Lion Yard (both sides)	... John Evans.	33, Old Montague St., Thomas Williams.
Royal Mint Street	... ...	Plough Square ... Edith Emily Lewis John E. Jones.

CHRIST CHURCH.

Saw Yard	... Daniel Barker.	15, Tilley Street	... David Felix.
37, Hanbury Street	... David Felix.	16, Grey Eagle Street,	James Webb.

MILE-END-NEW-TOWN.

44, Dunk Street	... Samuel Evans.	64, Pelham Street	... Jacob Galinski.
21, Spital Street	William E. Davies.	

NORTON FOLGATE.

7, White Lion Street	... Eliza Morgan.
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THE SALE OF FOOD AND DRUGS ACTS.

The total number of Articles of Food submitted to the Public Analyst for Analysis during the year, 1898, was 129, viz.:—Milk, 83; Flour, 9; Bread, 9; Butter, 6; Oatmeal, 10; Ground Rice, 3; Sago, 3; Ice Cream, 4; and Lemon Ice, 2.

Six Milks and one Butter were adulterated.

THE FOLLOWING ARE THE PARTICULARS.

Articles.	Extent of Adulteration.	Date of hearing of Summons.	Result.
Milk.	Adulterated with 9 per cent. of water	1st March.	Fined £2.
Milk.	Adulterated with 5 per cent. of water	Not Summoned.	Cautioned.
Butter.	Adulterated with 96 per cent. of foreign fat.	29th March.	Fined £3.
Milk.	Adulterated with 29 per cent. of water.	23rd May.	Fined £2 & 12/6 costs. (Second offence).
Milk.	Adulterated with 5 per cent. of water	Not Summoned.	Cautioned.
Milk.	Adulterated with 10 per cent. of water.	28th July.	Fined 5/6 & 14/6 costs.
Milk.	Adulterated with 18 per cent. of water.	30th December.	Fined £1 8s. & 2/- costs.

RICHARD SKIDMORE WRACK, INSPECTOR

Appointed under the said Acts.

BOARD OF WORKS, WHITECHAPEL DISTRICT,

PUBLIC HEALTH DEPARTMENT.

To DR. JOSEPH LOANE, *Medical Officer of Health*

SIR,

According to the usual custom we hand you herewith a Tabulated Statement, setting out the work carried out by us during the past year.

It will be seen that a large amount of work has again been accomplished. The space which it would require, alone prevents us giving details of the work.

House to house inspection has been systematically carried out during the year.

Many night visits have been made with the view to the discovery of overcrowding.

Great care and attention was paid to the question of unwholesome Food. At the foot of the Statement above referred to will be found particulars of the Articles seized and destroyed.

Only 18 Summons were issued under the Public Health (London) Act during the year—a decrease of 8 as compared with last year. The Fines and Costs recovered amounted in all to £32 2s. A detailed Statement of these Summons we also hand you herewith.

Last year we reported that 991 cases of Infectious Disease had occurred. We are very pleased this year to report a decrease of 335 cases, making a total of 656. Disinfection was promptly carried out in every instance.

We are, Sir,

Your obedient Servants,

RICHARD SKIDMORE WRACK,
 THOMAS P. WRACK,
 GEORGE HARVEY,
 ALFRED COOK,
 HERBERT MILLS,
 WILLIAM SHEPHERD,

Sanitary Inspectors.

31st December, 1898.

CHEMICAL AND ANALYTICAL LABORATORIES,

19 AND 20, ALDGATE,

London, E.C.,

16th July, 1898.

DEAR SIR,

I have completed the analysis of the four samples of ice cream received from you last week, and numbered consecutively 73 to 76, and find that they were all composed of a mixture of milk, sugar, farinaceous matter, and a little white of egg. They were tested for the presence of poisonous metals, which were absent in two of the samples; in the others (No. 75 and 76) a faint trace of zinc was detected. The quantity found was, however, too small to be of any importance and insufficient to be injurious to health. Special bacteriological examinations were made of each sample, but no pathological organism was found in either. There was good evidence in the fact that all the starch granules present were burst in each sample, that the cream had been all boiled previous to freezing; therefore the result of the bacteriological and chemical examination being satisfactory. I am of opinion that they were all of a wholesome character.

Yours faithfully,

W. C. YOUNG.

MR. R. S. WRACK,

15, Great Alie Street,

Whitechapel, E.

CHEMICAL AND ANALYTICAL LABORATORIES,

19 & 20, ALDGATE,

LONDON, E.C.

29th July, 1898.

Mr. R. S. WRACK,
15, Great Alie Street,
Whitechapel, E.

DEAR SIR,

I have completed the analysis of the two samples of lemon ice, marked respectively 83 and 84, received from you on the 25th inst., and find that they were composed of water, sugar, and lemon juice. Both samples contained a minute trace of tin and a trace of zinc. The trace of zinc in sample No. 84 amounted to the equivalent of 1.1 grains of sulphate of zinc in 10 ounces, and the quantity in sample No. 83 was too small to be determined; therefore there was insufficient in either to be injurious to health. Both samples were submitted to bacteriological examination, but I was unable to detect a single pathogenic organism in either.

I am, dear Sir,

Yours faithfully,

W. C. YOUNG.

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

Situation of Premises.	Nature of Nuisance or Complaint.	Date of hearing of Summons.	Result.
32, Church Lane	Defective drain. Walls and ceilings of house dirty. Floor of front basement on the bare earth. Roof defective	1898 March 3rd ...	Order to close. £1 7s. costs.
1, Booth Street Buildings ...	Room used as a school insufficiently ventilated. Overcrowded during school hours. No W.C. accommodation for scholars	„ 4th ...	Dismissed.
Wentworth Street	Exposing for sale gurnets unfit for food	„ 4th ...	Fined £5.
114a, Booth Street Buildings	Room, used as a workshop, filthy	„ 4th ...	Order to cleanse in 7 days. 6s. costs.
122, Booth Street Buildings	„ „ „ „	„ 4th ...	„ „ „ „ 6s. costs.
18, Booth Street Buildings ...	Room overcrowded	„ 4th ...	Order to abate in 10 days. 6s. costs.
18, Great Prescot Street ...	Defective drain	„ 24th ...	Order to abate in 14 days. £1 7s. costs.
10, Fieldgate Street	Roof of workshop defective	„ 24th ...	Work done. Summons withdrawn. £1 3s. costs.
32, Church Lane	Disobeying Magistrate's Order of 3rd March	„ 24th ...	Fined £10, and £1 7s. costs or one month's imprisonment.
23, Stewart Street	Drain choked. No water to W.C. Rain water pipe choked	„ 31st ...	Work done. Summons withdrawn.
33, White's Row	First floor rooms overcrowded	May 10th ...	Dismissed.
52, Gun Street	Second floor back room overcrowded.	„ 10th ...	Order to abate forthwith.

PROCEEDINGS TAKEN UNDER THE PUBLIC HEALTH (LONDON) ACT, 1891.—(continued.)

Situation of Premises.	Nature of Nuisance or Complaint.	Date of hearing of Summons.	Result.
3, Steward Street	No water to W.C. Yard badly paved. No proper W.C. accommodation for work-people	1898 May 10th ...	Order to close. 4s. costs.
13, Old Montague Street ...	Basement illegally occupied as a dwelling	June 14th ...	Abated. Summons withdrawn. 3s. costs.
3, Steward Street	Disobeying Magistrate's Order of 10th May	„ 14th ..	Fined £2, and £1 3s. costs.
178, Hanbury Street	Roof defective. Stairs broken and dangerous, walls and ceiling of staircase and passage dirty, W.C.'s filthy	„ 14th ...	Order to close. £1 7s. costs
Booth Street Buildings ...	Manholes having access to drains, without air tight covers. Some of the drain connections are defective. The yards are defectively paved	„ 28th ...	Order to carry out necessary work in 21 days £1 3s. costs.
Bell Lane	Exposing for sale melons unfit for food	Aug. 23rd ...	Fined £5 or one month's imprisonment

Total of Penalties and Costs, £32 2s.

