

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

**Contributors**

Whitechapel (London, England). District Council.

**Publication/Creation**

1887.

**Persistent URL**

<https://wellcomecollection.org/works/rfe3m9uj>

**License and attribution**

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

Non-commercial use includes private study, academic research, teaching, and other activities that are not primarily intended for, or directed towards, commercial advantage or private monetary compensation. See the Legal Code for further information.

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



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

THE  
ANNUAL REPORT  
ON THE  
*SANITARY CONDITION,*  
&c., &c., OF THE  
WHITECHAPEL DISTRICT,

(WITH VITAL STATISTICS.)

FOR THE YEAR 1886,

BY

**JOSEPH LOANE,**

*MEDICAL OFFICER OF HEALTH,*

Surgeon to the London Sallor's Home, &c.

---

LONDON :

PRINTED BY PENNY AND HULL, LEMAN-STREET, E.

—  
1887.

ANNUAL REPORT

STATE OF NEW YORK

WHITEHALL DISTRICT

COMMISSIONER OF THE LAND OFFICE

FOR THE YEAR 1880

JOSEPH L. LEAHY

ALBANY: PUBLISHED BY THE STATE PRINTING OFFICE, 1881.

Entered as second-class matter, June 15, 1879.

ALL RIGHTS RESERVED.

Copyright, 1880, by the State of New York.

OFFICE OF THE BOARD OF WORKS, WHITECHAPEL DISTRICT,  
No. 15, GREAT ALIE STREET,  
WHITECHAPEL, E.,

*February 21st, 1887.*

GENTLEMEN,

In the Registrar-General's Annual Report for 1885, which has recently been received, I notice several curious and important observations to which I propose briefly to allude as a fitting sequel to my last report, before commencing that for the year 1886.

Referring to marriages, the Registrar-General quotes an oft-repeated theory—that marriages increase as the price of food diminishes, and he then proceeds to prove the fallacy of this doctrine by statistics extending over a period of twenty-five years. A suggestion is thrown out that the marriage-rate fluctuates with the exports of British goods, rather than with the cheapness of food, depending in reality upon the amount of wages received. Some very curious figures are produced, showing the mean age at marriage amongst various classes and persons; thus, whilst miners marry at  $23\frac{1}{2}$  years of age, and labourers at 25, commercial clerks do not increase their responsibility in this respect until a year later, and professional men wait until they are almost 31 before venturing upon matrimony.

The last information which I extract upon this subject, indicates the enormous advance in education amongst marrying people, as, during the year, 11·8 per cent. of the newly-married were unable to sign the register, whilst in 1870 double that number, and in 1855 treble that number, were illiterates.

The birth-rate during 1885, was the lowest recorded since 1848, and was equal to 32·5 per 1,000 for the United Kingdom. With a single exception, the rate has fallen continuously, year by year, since 1876.

The death-rate, again, was remarkably low (12.0 per 1,000), and with the exception of the year 1881, when it was 18.9, it was the lowest recorded death-rate.

In some interesting paragraphs on statistics of deaths from hydrophobia, it is recorded that 60 deaths were registered from that disease in 1885, against 61 and 79 respectively in the years 1874 and 1877, which are the highest numbers recorded; and in order to allay alarm on this subject, Sir Brydges Henniker states the important fact, "that the indisputable amount of apprehension as regards this disease is quite disproportionate to the risk of its occurrence. The risk of death from murder or homicide is many times as great as the risk of death from hydrophobia."

## REPORT.

**T**HE first step towards the compilation of my third annual report will be an endeavour to arrive at as correct an estimate of our population as circumstances will permit. I have before explained how manifold are the causes which operate in varying the number of people in different parts of the District at different times, and I have alluded, somewhat in detail, elsewhere to the part registered lodging-houses play in this particular. I will now explain that by taking the mean birth-rate of the two last census years—and calculating our population for 1886 upon that basis, I find that we should have 72,142 persons in the Whitechapel District. In support of the probable correctness of such calculation, I may mention that in 1871, when the District contained 76,573 persons, “The Artizans’ and Labourers’ Dwellings Acts” had not come into operation. Since that time, I find that there have been dislodged from their residences by various agencies, 11,859 persons, as follows:—

From the Royal Mint-street area	... .. 3750
,, Flower and Dean-street area	... .. 2277
,, Goulston-street area	... .. 2757
By the East London Railway Improvements...	56
,, Met. and District Railway ditto	... 380
,, London, Tilbury and Southend ditto...	2579
,, Other alterations in the District	... 60
	_____
Total ...	11,859

On the other hand, various model and other dwellings have been erected, which at present accommodate 6,423 persons, thus, should no other changes have taken place, our population would be 71,137. Apart, however, from the natural increase of births over deaths, we are aware that many persons who were dislodged from the areas I have named, took advantage of rooms which were offered in the immediate neighbourhood of their former homes, and thus many houses which were previously occupied by only a few

people, have become converted into tenement dwellings. Again, whilst migration has been constant in our midst, there can be little doubt as to the preponderance of immigration over emigration, and, although we cannot flatter ourselves that thereby we are benefited qualitatively, there is a considerable and growing gain to the District in numbers at least. Thus it is fair to assume that the above calculation does not, at any rate, overstate our population. Upon this basis, it follows also, that the population of each Sub-District is as follows :—

The Spitalfields Sub-District...	...	...	22,057
The Mile End New Town ditto	...	...	19,914
The Whitechapel Church ditto	...	..	18,000
The Goodman's-fields ditto	...	...	6,657
Aldgate ditto	...	...	5,514
			Total ... 72,142

During the year 1886 (consisting of 52 weeks), which ended on Saturday, January 1st, 1887, there were registered in the five registration Sub-Districts a total of 2,531 births and 2,257 deaths. Tables A and B\* of the appendix illustrate these particulars in detail. It is necessary, to be accurate in dealing with these figures, to adopt the system which I have hitherto practised, and, therefore, as regards the births, I have availed myself of the kindly co-operation of Dr. Whitfield (Acting Medical Superintendent to the Whitechapel Union Infirmary), to obtain the previous addresses of the mothers who were delivered in that Institution. These I have distributed correctly amongst the several Sub-Districts, as set out in Table C†, from which it appears that the total births in the District, and properly belonging to it, were 2,525, of which 1,267 were males, and 1,258 were females. In dealing with the 2,257 deaths registered in the District, I notice that in our public institutions, and also in other parts of the District, there died 725 persons who were not properly belonging to the District—6 were registered in the Aldgate Sub-District, 7 in the Mile End New Town Sub-District, and 712 in the Whitechapel Church Sub-District, wherein is situated the London Hospital. Not one took place in either the Spitalfields or the Goodman's-fields Sub-Districts. We have next to consider that in public institutions outside the District (as particularized in Table E)‡,

\* Page 26.

† Page 26.

‡ Page 27.



Forty-eight persons lived to above the age of 80 years, and 4 of these reached to above 90, of whom 3 were women. They were registered in the Sub-Districts as follows:—In the Spitalfields, 13; in the Mile End New Town, 11; in the Whitechapel Church, 17; and in the Goodman's-fields, 7. The registered cause of death in the case of these aged people was, in 23, old age; in 20, chest disease; in 4, nervous disease; and in 1, accident.

During the year, 17 deaths were registered as "uncertified," and although no medical certificates were received in any of these cases, they were individually considered by the Coroner, and by that officer the Registrars were instructed to register the deaths, and they were accordingly so registered as follows:—

**Uncertified  
Deaths.**

In the Spitalfields Sub-District	...	...	6
„ Mile End New Town ditto	...	...	3
„ Whitechapel Church ditto	...	...	4
„ Goodman's-fields ditto ..	...	...	2
„ Aldgate ditto ... ..	...	...	2

Ten were males, and 7 were females; 10 were under one year old, 4 were between 40 and 60, 2 were between 60 and 80, and 1 was over 80 years of age; 9 were recorded as having died from convulsions, premature birth, or exhaustion; 3 from respiratory diseases; 1 from apoplexy; 2 from senile decay; and 2 from natural causes. Midwives certified in 6 of the cases.

In the London Hospital, there died during the year 849 persons, 139 of whom were residents. Over 60 per cent. of the residents who died away from home, selected the **District Public London Hospital** for treatment, the remaining **Institutions.** nearly 40 per cent., preferring the public institutions in other parts of the Metropolis, as particularized in Table E\* of the appendix.

In the Whitechapel Union Infirmary, there died during the year 323 persons, only 7 of whom were non-residents; thus 316 residents died in the Infirmary, against 292 recorded in 1885.

The District medical officers received a total of 3,501 new orders for attendance upon patients, either at the Dispensary in Thomas-st., or at the patients' homes, and 2,038 were immediately

\* See Page 27.

transferred either into the Infirmary, or into some special hospital. For particulars of the diseases for which these persons were attended, see Table G of the appendix, on page 29.

It will be noticed that 67 in excess of 1885 remained to be attended by the District medical officers. If, therefore, the pauper illness be an index to the general sickness in the District, allowing for increase of population, the sickness rate for the year may be regarded as satisfactory.

A reference to Table H, page 30, will indicate the precise cause of death of each of the 1,624 persons who died during the year. It shows that from the whole zymotic class of diseases 235 persons died, or 14·47 per cent. of the total deaths in the District, whilst for the whole Metropolis, the deaths were equal to 15·27 per cent. from this class of diseases. I have thought it worth while to carry out this method of comparison throughout the various classes of diseases, as follows:—

CLASS OF DISEASE.	PERCENTAGE OF DEATHS TO TOTAL DEATHS.	
	London <i>includ'g Whitechapel</i>	Whitechapel.
Zymotic Diseases (as named in Registrar-General's weekly sheets) ...	15·27	14·47
Parasitic Diseases ... ..	0·15	0·0
Privation and Alcoholism ... ..	0·37	0·12
Constitutional Diseases ... ..	19·64	21·42
Premature Birth and Old Age ... ..	6·11	5·23
Nervous Diseases ... ..	11·37	12·25
Diseases of Organs of Special Sense ...	0·16	0·06
"  Circulatory System ... ..	7·43	5·91
"  Respiratory .. ..	22·25	28·01
"  Digestive .. ..	5·73	4·67
"  Lymphatic .. ..	0·13	0·0
"  Urinary .. ..	2·49	2·64
"  Generative .. ..	0·34	0·36
Accidents of Childbirth .. ..	0·28	0·30
Diseases of Locomotive System ...	0·43	0·18
"  Integumentary .. ..	0·33	0·73
Violent Deaths—Accident ... ..	2·90	3·14
Homicide ... ..	0·08	0·0
Suicide ... ..	0·48	0·30
Other Causes ... ..	3·96	0·12

The observations I have made in former reports, regarding those classes of diseases in which the District deaths are in excess of the Metropolitan, will apply exactly to the present year, indicating the presence of the same conditions in the causation of similar results.

In the subjoined Table will be seen, separately contrasted, the zymotic diseases, showing the percentage of each to total deaths :

DISEASES.	LONDON.	WHITECHAPEL.
Small-Pox ... ..	0'006	0'0
Measles ... ..	2'526	2'832
Scarlet Fever ... ..	0'835	1'354
Typhus... ..	0'015	0'061
Relapsing Fever ... ..	0'0001	0'0
Influenza ... ..	0'0006	0'0
Whcoping-Cough ... ..	3'446	2'770
Diphtheria ... ..	1'028	0'980
Simple Fever ... ..	0'085	0'061
Enteric Fever... ..	0'752	0'677
Simple Cholera ... ..	0'166	0'061
Diarrhœa ... ..	4'801	4'002
Remittent Fever ... ..	0'0002	0'0
Other Zymotic Diseases ... ..	1'579	1'662

It has hitherto only been the custom in this District to disinfect bedding, rooms, &c., where cases of small-pox, scarlet-fever, typhus, or enteric fever, and such-like diseases have occurred, but, in view of the fact that measles and whooping-cough add so largely to our mortality returns, I am not certain that wisdom would not be exercised by carrying out the same procedure in these diseases. I have in fact, during the year, placed deaths from measles upon the list when other young children are found to be resident where deaths take place from that disease.

The absence of small-pox from the list of deaths will be noticed with satisfaction, and I have again to mention the highly gratifying position which the District vaccination statistics occupy in the last Local Government Report. The Table I append (Table L, page 32), which shows the result of Mr. Sherman's work in this respect, bears out the commendation conveyed in the report to which I have adverted. This seems to be a suitable

place wherein to interpolate a table indicative of a return from the Metropolitan Asylums' Board, from which I have compiled a comparative statement of certain diseases admitted into that Board's Institutions from the Metropolis during the year.

DISEASE.	WHENCE ADMITTED.	First Qtr.	Second Qtr.	Third Qtr.	Fourth Qtr.	TOTAL.
Small Pox .....	{ All London.....	40	69	14	5	128
	{ Whitechapel ...	Nil.	5	Nil.	Nil.	5
Scarlet Fever .....	{ All London.....	206	243	540	672	1661
	{ Whitechapel ...	6	9	21	14	50
Enteric Fever .....	{ All London.....	48	40	81	159	328
	{ Whitechapel ...	Nil.	1	3	2	6
Typhus Fever .....	{ All London.....	Nil.	Nil.	3	1	4
	{ Whitechapel ...	Nil.	Nil.	1	Nil.	1
Uncertain .....	{ All London.....	10	12	3	5	30
	{ Whitechapel ...	1	Nil.	1	Nil.	2

Diarrhœa, as usual, stands high in the mortality returns, and although but little difference is discoverable between the Metropolitan and the District percentage of deaths from this disease, I have again to mention that so far as we are concerned nearly all were infants and young children, and were mostly registered in the third quarter of the year.

Table J is constructed to enable a comparison to be readily instituted for deaths from any special disease between the Metropolis as a whole and the Whitechapel District, and for this purpose the deaths are also set out in the tables applicable to the District in a similar manner, therefore, there is no necessity to amplify this part of my report by referring to each disease separately.

It is customary for sanitary reporters to devote considerable attention to the statistics connected with the infant mortality returns, considering that an index is thereby obtained to the general condition of health of the whole community. I have, therefore, to add to those items concerning the percentage of deaths between certain age-periods, which I have already given, by the introduction of a few special details, applicable to the deaths of

infants and children under the age of five years, for the whole Metropolis, as well as for the Whitechapel district:—

The deaths of infants, under the age of one year, in London, equalled 25·8 per cent. of the total deaths, and 15·1 per cent. of the registered births; whilst in the Whitechapel district, those infants who died under the age of one year equalled 26·7 per cent. of the total deaths, and 17·2 per cent. of the registered births. The deaths of children under five years of age, including the above, were, for London, equal to 41·7 per cent. of the total deaths, and 25·6 per cent. of the registered births; and for the Whitechapel district they were equal to 44·5 per cent. of the total deaths, and 28·6 per cent. of the registered births.

During the year, 22 persons (10 males and 12 females) died at the various asylums, as follows:—At Banstead, 9; Colney Hatch, 9; Carne Hill, 1; Leavesden, 2; and Hanwell, 1.

**Extra Metropolitan Deaths.** The registered causes of death were:—Old age, 4; nervous diseases, 14; constitutional diseases, 2; and heart disease, 2. Two females died at Banstead from senile decay, aged respectively 91 and 81; the ages of the remainder were—between 20 and 40 years, 7; between 40 and 60, 7; and between 60 and 80, 6.

**Violent Deaths.**—Fifty-four deaths (34 males and 20 females) from violence were recorded during the year, belonging to the several Sub-Districts, as follows:—

The Spitalfields Sub-District,	13—	males 4;	females, 9.
The Mile End New Town „	10—	„ 8;	„ 2.
The Whitechapel Church „	22—	„ 14;	„ 8.
The Goodman's Fields „	2—	„ 2;	„ nil.
The Aldgate „	7—	„ 6;	„ 1.

Fourteen died under the age of 1 year; 10 between the ages of 1 and 5; 6 between 5 and 20; 10 between 20 and 40; 9 between 40 and 60; 4 between 60 and 80; and 1 over the age of 80. The cause of death in each case was investigated by the coroner, and registered as follows:—

Suffocated in bed, infants (males 6, females 5)	...	11
Burns, scalds, and suffocation by smoke	...	7
Drowning	...	2
Run over	...	9

## Falls or accidental blows—

Head	...	...	...	...	...	...	12
Spine	...	...	...	...	...	...	2
Arm	...	...	...	...	...	...	1
Thigh	...	...	...	...	...	...	2
Ribs	...	...	...	...	...	...	1
Operation (chloroform asphyxia)	...	...	...	...	...	...	1
Suicide—							
Poison	...	...	...	...	...	...	2
Cut throat	...	...	...	...	...	...	2
Jump from window	...	...	...	...	...	...	1
Narcotic poisoning (how administered not known)							1

A total of 288 inquests were held in the District during the year, against 291 in the preceding year. Only 163 of the investigations had reference to District residents, and

**Inquests.** most of the remainder took place in the London Hospital. Whilst once more having to deplore the want of a mortuary, again I must record our thanks to those officers belonging to the Whitechapel Union, by whose kindness we have been enabled to avoid, at the least, a great deal of inconvenience, which would otherwise have occurred, through the absence of a suitable building for the reception of the dead. I am aware that the only difficulty in the matter is the acquisition of a suitable site, and this difficulty has been unsurmounted during many years, and, probably, chiefly for the reason that whilst each individual admits the necessity for such a place, he prefers that it shall be not too close to his own premises. I hope, ere long, that this difficulty will be removed.

Table K (page 32) is an important one, inasmuch as it indicates the chief zymotic diseases which have come under notice during the year, and, also, because it contains a

**Zymotic** list of the streets where they have occurred.

**Diseases.** From this statement it will be seen that only 6 cases of small pox have been heard of, against 56 cases in 1885, and 151 during 1884. Scarlet fever contributed this year 79 cases, against 40 and 119 cases respectively in the two preceding years. It will be further noticed that 13 cases of enteric fever, and 1 case of typhus fever were recorded, being the average number for the past three years.

It has been the practice to refer, in these reports, to the progress made under the Artizans' and Labourers' Dwellings Acts. Last year I alluded to the result of your personal application to the Metropolitan Board of Works, regarding the "Bell Lane Scheme," recalling the fact that the first representation under the Act was made in 1877. Unfortunately matters yet remain in *statu quo*, so far as any advance in carrying out this scheme is concerned, but I cannot say the same regarding the property comprised within the area, for although your inspectors are constantly vigilant, and much special important work has been executed there, still the general condition of the area is of course unimproved, and the words which your late Medical Officer used in condemning it, might now be quoted with even greater force. An additional reason for including this scheme in a Bill may now be advanced to the Metropolitan Board of Works, for inasmuch as many new buildings have been recently provided in the District, some of which are inhabited, and many more are almost ready for occupation, at least no difficulty on the score of accommodation would, therefore, be incurred by causing the present tenants of the incriminated area to substitute the new and improved dwellings for their present ill-conditioned rooms. And here, gentlemen, permit me, by the courtesy of your Surveyor, to quote a few details connected with the most important sanitary work, which, probably, has been executed within the District during the history of your Board. I allude to the "Destructor," which was opened officially by Robert Gladding, Esq. (chairman to your Board), in August last. Mr. William la Rivière, under whose supervision the works were carried out, describes the structures which are above ground in the following memorandum:—

*Memorandum, re Description and Construction Destructor Works,  
Wentworth Street, Whitechapel.*

W. LA RIVIERE,  
*Architect and Surveyor.*

"The level of the site is in two gradients, one up to the top of  
"destructor furnaces, the other down to the stoke holes.

"The carts of refuse ascend the high level, and discharge into  
"the furnaces, and the residium of clinker is taken out at the  
"lower level and carted away.

“ The destructor consists of eight cells, placed back to back  
 “ in pairs, these have been constructed, using the two best des-  
 “ criptions of materials which could be obtained, with the view to  
 “ ascertaining which will stand the expansion and contraction the  
 “ best, wear and tear the best ; special care has been given to the  
 “ construction of the brickwork.

“ There is an underground flue from the Destructor to the  
 “ shaft, it is 7 ft. high, and 4 ft. wide, connecting the former with  
 “ the latter, and along this the products of combustion travel, then  
 “ up the shaft, the distance being about 300 ft.

“ The shaft is constructed of the best quality of Cowley stock  
 “ bricks, laid in mortar guded with cement, in proportion varying  
 “ with the amount of elasticity considered requisite for the winding  
 “ of the shaft of this size, the cap, or terminal, is constructed of  
 “ iron-glazed brick and terra-cotta, and patent Victoria stones with  
 “ a weathering of bricks and sheet lead.

“ The work also comprises an office, dwelling-house for care-  
 “ taker, also a well with an unlimited supply of water for many  
 “ purposes.

“ There are two entrances, one in Wentworth-street, the other  
 “ in George-yard.

“ The brickwork of the furnaces is within one foot of the walls  
 “ of adjacent dwelling-houses, without causing the least incon-  
 “ venience—notwithstanding the intense heat inside the furnaces,  
 “ the bare hand can be held without danger on any external  
 “ portion of the structure.”

After six months' experience, it may be asserted that, so far  
 as its capacity goes, the experiment has proved eminently  
 successful. Refuse, of every description most likely to cause incon-  
 venience and danger to the inhabitants of the District, when  
 placed in the cells comprising the Destructor, very rapidly become  
 converted into inoffensive, and, perhaps, useful clinker. It is clear,  
 however, that the furnaces must be enlarged, and I am hopeful  
 also, that when the additional cells are *in situ*, steam power will be  
 added, so that when a Lyon's disinfecting chamber shall be placed

in proximity, it will be a simple matter to disinfect 'effectually,' by super-heated steam, at any hour, all articles placed in the oven. This is the more urgent, because our arrangement for such purpose is, at the present time, certainly not effective, experiments having conclusively proved that hot air penetrated so slowly into articles which were submitted to be disinfected, that after three or four hours' exposure at a temperature of 284° Fahr., a pillow was not disinfected, and many articles submitted to so high a temperature for so long a time would become damaged, if not absolutely destroyed. On the other hand, it has been shown by Professor Koch, that the various spores and germs which he submitted to steam at a temperature of 221° Fahr. for three hours, were entirely sterilized. He further found that leather was the only substance which suffered by exposure to this mode of disinfection.

In the published report of the examination made by the late Colonel Sir Francis Bolton, of the water supplied by the several Metropolitan water companies during the month of November, 1886, the eminent official examiner **The London Water Supply** says that, having regard to the "steady increase in the population of the urban and suburban districts supplied with water from the Thames by the Metropolitan water companies, the time has now arrived for immediate action to be taken to purify the source of supply. The matter will not admit of any further delay, and the responsibility will be great upon those authorities and towns which persistently neglect to undertake works to free the river from contamination, should ever an outbreak of epidemic take place, and the fatal words 'too late' be said,"

This question, concerning as it does an essential point in the health of the inhabitants of the Metropolis, is one which, I hope, will be at once taken up, with a view to speedy reform. Here it may be mentioned that, in consequence of a report which I presented to your Board during last quarter, your Board directed that the small portion of the District which is not yet under the constant system of water supply should be represented to the Local Government Board, in accordance with the Act of Parliament, so that the entire District might be supplied with water to the best advantage.

The death-rate of the Whitechapel District, as I have hinted in a previous page, is considerably influenced by the common lodging-houses within it. These places are under police supervision, they are well-conducted, and very clean. Any case of infectious disease is at once removed, and the room, as well as the particular bedding, &c., is at once disinfected. No difficulty is experienced in this matter, because the police visitors and our own staff work together to carry out the arrangements I have mentioned. From a return kindly forwarded to me under the direction of the Chief Commissioner of Police, by Chief Inspector Cutbush, I find that in the Whitechapel District there are 149 registered lodging-houses, licensed to contain a total of 6,136 beds. The normal average occupation of these rooms probably amounts to considerably less than the accommodation which is provided, but in attractive seasons, a sudden stream flows in, and we are then, within a few days, liable to add very many persons to our population. A memorable instance of this occurred in the early part of the year, when the liberality displayed at the Mansion House caused an immense influx into the District, from all parts of the country, of persons not in the best condition to withstand the risks of disease. I have alluded to these lodging-houses as prejudicial to the District statistically, from a sanitary point of view, and this is self-evident when we reflect that the people occupying these houses add proportionately little to our birth-rate, whilst they enormously increase our sickness and death-rates.

To be precise, the lodging-houses births equal 1·3 per cent. of the total District births, and 38·4 per cent. of the births of residents in the Union Infirmary, whilst the deaths in these registered houses equal 11·9 per cent. of the total District residents' deaths, and 64·5 per cent. of the total Infirmary deaths. Even if we assume that the average occupation of these dwellings equals their power of accommodation, there is then a death-rate of nearly 34 per 1000, referable to them. As a logical outcome of these figures it may be inferred how largely the sickness-rate is increased by our possession of these tenements, and how adversely the elements I have been discussing must influence all our statistics. I am anxious to draw attention to these items, not to undervalue the importance of such houses (for to the poor people who lodge in them they are of the utmost benefit), but rather to emphasize the

fact that, when we show an increase of 2 or 3 per 1,000 upon the general London death-rate, at a due appreciation be given to my arguments, the Whitechapel District should be congratulated upon producing such good results with certainly not the best materials.

Possibly, the better way at my disposal, by which to contrast the above results with what might be attained under different circumstances, is to state the result of an investigation into buildings in the District of a different description, I mean Model Dwellings. We have in the District, buildings constructed under the Artizans' and Labourers' Acts, and also by private enterprise, accommodating some 6423 persons. These give a mortality return of 16.0 per 1000, and contribute only 6.3 per cent. to the total deaths of the District, or about half that which the registered lodging-houses contribute. This contrast is still greater when it is remembered how large is the proportion of very young children in the former, and how almost entirely the latter consists of adults.

Upon page 34 will be seen a record of your Inspectors' work for the year, so far as their work is capable of being registered; and, in presenting for your perusal this important **Inspectors' Returns.** table, I again take the opportunity to testify to the good and faithful work performed by Messrs. Battram and Wrack. Although outside my own sphere, I think it desirable to mention that, of the 177 samples of foods submitted by these officers to your Analyst, in only 6 cases was it deemed necessary to punish the offenders by requiring their presence at the police courts, and all these cases were in the South division of the District, your Analyst having reported that the 104 samples purchased in the North division were all genuine.

I have also to report that I have had some correspondence with the Metropolitan Board of Works, with reference to an Order in Council which was made on the 15th of June, 1885, relating to the Contagious Diseases (Animals) Act, 1878. The following abstract relating thereto will fully explain the importance of those regulations to such a community as that which surrounds us.

## METROPOLITAN BOARD OF WORKS.

41 & 42 Vict., Ch. 74, and the Dairies, Cowsheds and Milkshops Order of 1885.

## REGULATIONS AS TO MILK SOLD BY RETAIL.

*Abstract of the provisions contained in the Dairies, Cowsheds and Milkshops Order of 1885, relating to the sale of Milk.*

## REGISTRATION.

1.—Every Purveyor of milk, carrying on his trade in the Metropolis (except Sec. 6. O. in C. the City of London) must be registered by the Metropolitan Board of Works.

*Application for registration must be upon the form provided for the purpose, which can be obtained at the Board's Office, Spring Gardens, Charing Cross, S.W.*

## CONTAMINATION OF MILK.

2.—It shall not be lawful for any person following the trade of Cowkeeper or Dairyman or Purveyor of Milk, or being the occupier of a Milk-store or Milk-shop—Sec. 9. O. in C. (a) To allow any person suffering from a dangerous infectious disorder, or having recently been in contact with a person so suffering, to milk cows, or to handle vessels used for containing milk for sale, or in any way to take part or assist in the conduct of the trade or business of the Cow-keeper or Dairyman Purveyor of milk, or occupier of the Milk-store or Milk-shop, so far as regards the production, distribution or storage of milk; or—(b) If himself so suffering, or having recently been in contact as aforesaid, to milk cows, or handle vessels used for containing milk for sale, or in any way to take part in the conduct of his trade or business, as far as regards the production, distribution or storage of milk—until in each case all danger therefrom of the communication of infection to the milk or of its contamination has ceased:

3.—It shall not be lawful for any person following the trade of Cowkeeper or Dairyman or Purveyor of milk, or being the occupier of a Milk-store or Milk-shop, after the receipt of notice of not less than one month from the Local Authority, calling attention to the provisions of this article, to permit any water-closet, earth-closet, privy, cesspool, or urinal to be within, communicate directly with, or ventilate into, any Dairy or any room used as a Milk-store or Milk-shop. Sec. 10. O. in C.

4.—It shall not be lawful for any person following the trade of Cowkeeper or Dairyman or Purveyor of milk, or being the occupier of a Milk-store or Milk-shop, to use a Milk-store or Milk-shop in his occupation, or permit the same to be used as a sleeping apartment, or for any purpose incompatible with the proper preservation of the cleanliness of the Milk-store or Milk-shop, and of the milk-vessels or milk therein, or in any manner likely to cause contamination of the milk therein. Sec. 11. O. in C.

*Regulations prescribing precautions to be taken by Purveyors of milk, and persons selling milk by retail in the Metropolis, against infection or contamination, made by the Metropolitan Board of Works in pursuance of Section 13 of the Dairies, Cowsheds and Milkshops Order of 1885.*

1.—Every Purveyor of milk, or person selling milk by retail, shall immediately on any outbreak of infectious or contagious disease within the building or upon the premises in which he keeps milk, or amongst the persons employed in his business, give notice of such outbreak to the Board at their Office in Spring Gardens.

Notice of outbreak of Disease.

2.—Every Purveyor of milk, or person selling milk by retail, shall immediately on such outbreak coming to his knowledge, remove all milk for sale, and all utensils for containing milk for sale from such building; and shall cease to keep milk for sale or to sell milk in such building until the same has been disinfected and declared by the Medical Officer of Health for the district to be free from infection.

Milk in infected building

3.—Every Purveyor of milk or person selling milk by retail, shall not keep milk for sale in any place where it would be liable to become infected or contaminated by gases or effluvia arising from any sewers, drains, gullies, cesspools, or closets, or by any offensive effluvia from putrid or offensive substances, or by impure air, or by any offensive or deleterious gases or substances.

Offensive effluvia

4.—Every purveyor of milk, or person selling milk by retail, shall only keep milk for sale in clean receptacles; and all utensils used in connection with the keeping or sale of such milk shall be at all times kept clean.

Receptacles.

5.—Every Purveyor of milk, or person selling milk by retail, shall at all times employ such means, and adopt such precautions, as may be necessary for preserving the purity of milk, and for protecting it against infection or contamination.

General.

By Order,

J. E. WAKEFIELD,

*Clerk of the Board.*

Dated this Third day of July, 1885, at the Office of the Metropolitan Board of Works, Spring Gardens, Charing Cross.

*NOTE.—Sections 60 and 61 of the 41st and 42nd Victoria Ch. 74, provide that any person who does anything in contravention of an Order in Council or of a Regulation of a Local Authority is guilty of an offence against the Act, and is liable to a Penalty not exceeding Twenty Pounds.*

Upon receipt of a copy of the Regulations, I at once requested to be furnished with a list of those persons who had been registered by the Metropolitan Board, and such list, when received, was carefully revised and corrected by your Inspectors, and then returned for perusal to Spring-gardens. The list, therefore, which I append, represents such persons as come within the Regulations, and is corrected up to November last.

# NAMES & ADDRESSES OF PERSONS

CARRYING ON THE BUSINESS OF  
PURVEYORS OF MILK, DAIRYMEN, AND COW KEEPERS  
IN THE  
NORTH DIVISION OF THE WHITECHAPEL DISTRICT.

November 9th, 1886.

*The Names against which an asterisk is placed are Cow-keepers.*

## MILE END NEW TOWN.

Regis- tration No.	Date of Registration.	Name.	Address.
6312	May 30, '79 ..	*Henry Gibbs ... ..	73, Baker's-row
5168	Feb. 3, '86 ..	James Harper ... ..	84, " "
11953	Jan. 25, '82 ...	Jacob Cutner ... ..	37, Booth-street
6651	Aug. 19, '79...	Joseph Morris .. ...	42, Buxton-street
14900	Oct. 13, '84 ...	Jane Adams ... ..	56, " "
17698	Aug. 9, '86 ...	George Patton .. ...	61, " "
871	Mar. 11, '79...	George Elson ... ..	93, " "
15068	Feb. 22, '84 ...	M. Rosenbluck ... ..	12, Chicksand-street
17508	Aug. 8, '81 ...	Isaac Ansell ... ..	20, " "
15207	April 7, '84 ...	Maria George ... ..	29, " "
11949	Jan. 25, '82 ..	John Flack ... ..	32, " "
12824	May 6, '82 ...	Mary Elizabeth Kelleher.	38, " "
13526	Sep. 13, '82 ...	B. Joseph ... ..	39, " "
13969	Jan. 25, '83 ...	S. Finkelsto ... ..	44, " "
2703	Mar. 27, '79 ..	Henry Balsler ... ..	51, " "
13527	Sep. 8, '82 ...	Benjamin Alpe ... ..	7, Deal-street
1260	Aug. 14, '85 ...	Rachael Tilbrook ... ..	17, " "
Not	Registered ..	George Langfield ... ..	1, Dunk-street
Not	Registered ...	Ernest Conrad ... ..	7, " "
6395	Aug. 21, '79 ...	*Samuel Evans ... ..	23, " "
11633	Dec. 15, '81 ...	Joseph Shoneck ... ..	24, " "
13751	Aug. 14, '85...	Simon Goldwater ... ..	36, Great Garden-street
Not	Registered ...	B. Nuggin ... ..	49, " " "
Not	Registered ...	Galski M. Barnett... ..	60, " " "
16486	July 28, '85 ..	Harris Winsberg ... ..	64, " " "
15287	May 3, '84 ...	David Price ... ..	87, " " "
16341	June 9, '85 ..	Velinski Jacob ... ..	86, Hanbury-street
16309	Feb. 4, '86 ..	Abraham Harris ... ..	101, " "
16354	June 12, '85...	Polly Woolf ... ..	132, " "
Not	Registered ...	John Wright ... ..	204, " "
17464	June 1, '86 ...	William Michaels... ..	20, King Edward-street
15111	Feb. 26, '84 ...	William S. Brewer... ..	50, Pelham-street
6669	July 17, '79 ...	Henry George Croh ... ..	53, " "
151	Mar. 1, '79 ...	*Henry Foster ... ..	64, " "
17326	May 1, '86... ..	William Mallindine ... ..	74, " "
151	Mar. 1, '79	*John Williams ... ..	5 and 6, Spital-street
9367	Nov. 8, '80 ...	George Copeland ... ..	27, Spital-street
Not	Registered ...	M. Dobezyński ... ..	34, " "
15045	Feb. 19, '84 ..	Harris Marks .. ...	36, " "
12918	May 19, '82 ...	Alfred Lucas ... ..	{ 2, Underwood-street 43, Buxton-street
17057	Feb. 4, '86 ..	George Warne ... ..	15, Underwood-street
3398	Mar. 28, '79...	*William Bryant ... ..	26, " "
8169	May 1, '80 ...	William Bryant ... ..	69, " "

## CHRIST CHURCH.

Registration No.	Date of Registration.	Name.	Address.
11327	Oct. 21, '81 ...	Isaac Israelovitch ...	4 and 10, Booth-street
15059	Feb. 22, '84 ...	Ben Ginsburg ...	18, Booth-street
13572	Sep. 20, '82 ...	Isaac Simons ...	43, Brick-lane
11779	Aug. 14, '82 ...	Elen Blandford ...	56, " "
Not Registered	...	Israel Solomons ...	80, " "
5827	Jan. 23, '85 ...	Barnett Dubowski..	73 and 106, Brick-lane
17821	Oct. 4, '86....	Hannah Hart ..	138, Brick-lane
11315	Aug. 14, '82 ...	*Evan David Morgan ...	155, Commercial-street
15994	Feb. 14, '85 ...	Jane Emblem... ..	11, Cox's-square
9C07	Oct. 2, '80 .....	Barnett Price... ..	7, Dorset-street
6041	May 7, '79 ...	John McCarthy ...	27, " "
6921	May 7, '79 ...	Mary Carey ...	33, " "
16783	Nov. 25, '85... ..	Abraham Rosenbaum ...	36, " "
Not Registered	...	Z. Davis ...	3, Frying-pan-alley
13335	July 26, '82 ..	Myers Cohen ...	22, Great Pearl-street
292	Sep. 12, '85 ...	*Elizabeth Webb ...	16, Grey Eagle-street
13162	June 24, '82... ..	*Ann Williams... ..	37, Hanbury street
16452	July 14, '85 ...	Solomon Greenberg ...	42, " "
Not Registered	..	Lewis Green ...	48, " "
13134	June 20, '82... ..	Jacob Israel ...	53, " "
15492	June 27, '81... ..	L. Simons ...	58, " "
Not Registered	...	Harris Cohen ...	71, " "
689	Mar. 8, '79 ...	Messrs. Walker & Quint.	18, Heneage-street
915	Mar. 8, '79 ...	John Beeson ...	13, Hope-street
16180	April 18, '85... ..	Martha M. Larchet ...	4, Lamb-street
14055	Feb. 22, '83 ...	Leah Goldberg ...	9, Little Paternoster-row
Not Registered	..	S. Friedman ...	27, Pelham-street
Not Registered	...	— Koster... ..	28, " "
15050	Feb. 20, '84 ...	Mary Joseph ...	34, " "
6043	May 7, '79.....	Henry Oddy ...	33, Quaker-street
13264	Sep. 16, '85 ...	Jean Dickerson ...	50, " "
9395	June 6, '83 ...	Solomon Gowenski ...	58, " "
17898	Oct. 5, '85 ..	Samuel Lazarus ...	64, " "
13509	Sep. 1, '82 ..	Thomas Davies ...	5, Red Lion-street
6894	May 7, '79 ...	Daniel Barker... ..	Saw Yard
4433	April 4, '79 ...	Daniel Barker... ..	2, Shepherd-street
9617	Dec. 18, '86 ...	*Edward Underwood ...	15, Tilley-street
Not Registered	...	Simon Latmer ...	1, Tripe Yard
13092	May 11, '85 ...	Israel Solomons ...	15, Wentworth-street
16260	May 12, '85 ...	Nathan Bernstein ...	18, " "
13103	June 15, '82... ..	Daniel Evans ...	27, " "
3866	Mar. 31, '79 ...	Mary Ann Cox ...	1, Wheeler-street
Not Registered	...	Henry Boser ...	23½, " "
Not Registered	...	Leonard Lyons ...	1, White's-row
2537	Mar. 26, '79 ...	*Abraham Edwards ...	6, " "

## NORTON FOLGATE.

Registration No.	Date of Registration.	Name.	Address.
13562	Sep. 20, '82 ...	Samuel Jenkins ...	18, Elder-street
2569	April 23, '85... ..	*Elizabeth Morgan ...	7, White Lion-street

## WHITECHAPEL.

Registration No.	Date of Registration.	Name.	Address.
9856	Feb. 4, 1886...	Emma Raven ... ..	17, Baker's-row
15626	Sep. 10, '84....	E. D. Morgan ... ..	24, " "
4027	Mar. 31, '79...	Thomas Hawkes ... ..	46, " "
15099	Feb. 29, '84 ...	John Hilliard ... ..	4, Bath-street
13658	Oct. 5, '86 ...	Thomas Fredk. Perry ...	7, " "
3946	Mar. 31, '79 ...	*John Davies ... ..	21, Black Lion-yard
3576	May 11, '79 ...	Thomas Sharp ... ..	23, Brady-street
13658	Oct. 10, '82 ...	Joseph Locke ... ..	36, " "
14861	Jan. 6, '84 ..	William Wagstaff... ..	54, " "
13613	Sep. 29, '82 ...	Fredk. James Drake ...	18, Brick-lane
7822	Aug. 7, '86 ...	Owen Morris ... ..	20, " "
17839	Oct. 11, '86 ...	Joseph Hatton ... ..	36, " "
1452	Mar. 18, '79 ...	*William James ... ..	3, Finch-street
744	Mar. 11, '79 ...	John Lowen ... ..	48, " "
16075	Mar. 10, '85...	William Wiles ... ..	32, Goulson-street
17747	Aug. 9, '86 ...	John Jones ... ..	Middlesex-street
6520	July 17, '79 ...	Solomon Jacobs ... ..	12, Old Montague-street
17025	Jan, 28, '86 ...	Marks Price ... ..	13, " " "
146	Mar 1, '79 ..	*Fredk. Wm. Brown ...	33, " " "
15706	Oct. 22, '84 ...	Solomon Kesner ... ..	37, " " "
3122	Mar. 28, '79...*	Thomas Watson ... ..	64, " " "
14538	Aug. 8, '83 ..	Abraham Barnett ... ..	76, " " "
6892	July 19, '79 ...	John Fredk. Rohrs ...	88, " " "
13135	Jan. 8, '83 ...	Catherine Plack ... ..	162, " " "
13971	April 7, '84 ...	Joseph Jacobs .. ...	4, St. Mary-street
17372	Sep. 18, '86 ...	E. Barnett ... ..	127, Wentworth-street
16107	May 25, '85 ...		
17359	May 5, '86 ...	Barnett Dubowski... ..	130 and 138, Wentworth-st.
2537	Mar. 26, '79...	*Evan Edwards ... ..	6, White's-row
17436	May 27, '86 ...	Joseph Shaer ... ..	6, Old Montague-street

## OLD ARTILLERY GROUND.

Registration No.	Date of Registration.	Name.	Address.
12631	April 6, '82 ...	Catherine Josephs... ..	1, Artillery-street
1438	Mar. 12, '79 ...	Jane Davis ... ..	9, Artillery-passage
17457	June 1, '86 ..	C. Harris .. ...	10, Artillery-street
658	Mar. 1, '79 ..	Henry Lane ... ..	28, Brushfield-street
15164	Mar. 21, '84 ...	Hannah Cohen ... ..	2, Fort-street
6368	July 29, '85 ..	Ann Garrett ... ..	7, " "
12464	Mar. 22, '82...	Richard Hughes ... ..	12, " "
13468	Aug. 23, '82 ...	Alfred Balham .. ...	8, Gun-street
Not	Registered ...	Samuel Libovitch ... ..	15, " "
Not	Registered ...	Alfred Davis ... ..	26, " "
15169	Mar. 21, '84 ...	Alfred Currey... ..	29, " "
Not	Registered ..	Lewis Lisick ... ..	35, " "
Not	Registered ...	W. Meczyk .. ...	6, Steward-street
17909	Oct. 5, '86 ...	Leopold Woolf ... ..	39, " "

## SOUTH DIVISION OF THE DISTRICT.

Registration No.	Date of Registration.	Name.	Address.
11574	Nov. 30, '81 ...	Inwood, Charles James..	9, Cable-street, Whitechapel
10777	June 18, '81..	Segal, Morris ... ..	36, Fashion-street
11670	Dec. 12, '81 ...	Morris, John Williams...	129, New-road
10890	July 8, '81 ...	Cook, Catherine ... ..	45, Oxford-street
12383	Mar. 15, '82 ...	Gribble, Charles ... ..	50, Charlotte-street
13325	July 14, '82 ...	Blitz, Solomon ... ..	15, Fashion-street
12096	Feb. 13, '82 ...	Blatch, Ed. Henry... ..	49, Great Alie-street
12095	Feb. 13, '82 ...	Friewald, Fanny ... ..	31, Leman-street
13642	Oct 6, '82.....	Dillmore, Joseph ... ..	7, Queen-street, Tower hill
13025	June 5, '82 ...	Cashman, Catherine ...	58, Royal Mint-street
11787	Jan. 2, '82 ...	Hopkins, Henry ... ..	8, St. Mark's-street
13170	June 26, '82... ..	Hague, James... ..	18, Thrawl-street
14014	Feb. 12, '83 ...	Sexton, — ... ..	65, High-street, Whitechapel
3812	June 8, '83 ...	Bird, Thos. John ... ..	14, Hooper-square
1455	Feb 22, '83 ...	Morris, Owen .. ..	129, New-road
14550	Aug. 17, '83	Simons, Solomon ... ..	15, Plough-street
Not Registered ...		Simons, Joseph ... ..	101, Backchurch-lane
15265	May 23, '84 ...	Cooney, John ... ..	77, Backchurch-lane
11935	May 3, '84 ...	Thorn, Ephraim ... ..	27, Cable-street
6809	Sep. 20, '79 ...	*Jones, Eliza ... ..	20, Chamber-street (rear of)
14559	July 12, '84 ...	Francis, John... ..	41, Commercial-road, E.
2492	May 24, '86 ...	Hsckwitz, Morris ... ..	59, Charlotte-street
15452	June 19, '84 ...	Barnard, Becknay... ..	18, Fashion-street
9339	Feb. 16, '84 ...	Abraham, Rebecca ...	39, " "
5029	Feb 16, '84 ...	Isaacs, Solomon ... ..	40, " "
15578	July 12, '84 ...	Levy, Marks ... ..	54, " "
2731	Mar. 27, '79 ...	Klein, — ... ..	19, Fieldgate-street, W.C.
17182	Mar. 8 '86 ...	Feika, Herman ... ..	29, " "
9575	Dec. 10, '80 ...	Newman, Kiel... ..	39, Great Alie-street
14160	May 1, '84 ...	Silverberg, David ... ..	3, Plough-st.-blds., Whitechpl.
7377	Dec. 13, '79 ...	{ *Lewis, William ... ..	Plough-square (1 shed)
		{ *Lewis, William ... ..	" " (2 sheds)
14507	Oct. 30, '84 ...	Lloyd, Jenkins ... ..	5, Tenter-bldgs., St. Mark's St.
3094	Feb. 16, '84 ...	Johnson, John ... ..	Thrawi-street, Christ Church
17496	June 8, '86 ...	Jackson, — ... ..	86, Turner-street
3810	Mar. 31, '79 ...	*Sole, Isaac ... ..	Walton Yard (East side)
16008	Jan. 17, '85 ..	Goldrond, Ann ... ..	67, Backchurch-lane
7482	Sep 7, '85 ...	Butler, Elizabeth ... ..	141, " "
8831	April 18, '85... ..	Newman, Isaac ... ..	37, Fashion-street, Christ Ch.
14085	Oct. 14, '85 ...	Grosliip, David ... ..	12, Fieldgate-st., Whitechapl.
9987	April 24, '85..	Jones, Lewis V. ... ..	65, High-street, Whitechapel
16184	Dec. 23, '85 ..	Gearl, Mary ... ..	1, Royal Mint-street
15963	Jan. 10, '85 ..	Jones, John Evans ...	37, " "
16747	Nov. 9, '85 ..	Foulks, Henry ... ..	60, Wentworth-street
16258	May 11, '85 ..	Quint, Samuel ... ..	22, Whitechapel-road
57-1	April 30, '79... ..	Kennedy, Eleanor ... ..	24, Goodman's-yard
6617	Aug. 9, '79 ...	Lane, John ... ..	92, Mansell-street
12177	Jan. 24, '82 ...	Levison, Barnett ... ..	87, " "
17804	Oct. 4, '86.....	Sole, Isaac ... ..	Backchurch-lane

A circular-letter was received from the Assistant-Commissioner of Metropolitan Police, which had also been addressed to all Metropolitan Medical Officers of Health, as also to the Metropolitan Asylums' Board, wherein he enquires if any provision

could be made to disinfect public carriages, and, if so, upon what terms. To this I replied that we would, when so applied to, carry out our disinfection, so far as we could practically do so, gratuitously. I am somewhat astonished at the report of the Ambulance Committee of the Metropolitan Asylums Board, which, whilst it in one short paragraph expresses an "opinion that such disinfection cannot be efficiently performed owing to the usual construction of those vehicles," in many others gives reasons why cases of infection should only be removed by themselves. This latter opinion commends itself so readily upon sanitary grounds that I sincerely hope such may be soon arranged, but, as I apprehend that the police officials are only anxious that cabs should be disinfected which have been, probably through inadvertence, subjected to risk, I did not feel justified in withholding promise of assistance. Although three months have elapsed since consent was given, I have received no applications yet to redeem my promise, thus bearing out my view as to the occasional service which is demanded.

In December last I received some letters from the Comptroller of the Bridge House Estates, who, writing from the Guildhall, stated that in constructing the New Tower Bridge it would become necessary to remove the remains of the persons interred in the burial ground situate at the East end of the Tower of London, and to inter them in the Ilford Cemetery. Removal of the remains will be shortly effected under my supervision, in accordance with the terms of the Act of Parliament. The work of exhumation is now proceeding under the direction of the City Architect.

The mean weekly temperature of the air during the year was  $48^{\circ}\cdot75$  Fahr., which was slightly above the average for last year.

The highest temperature recorded was  $89^{\circ}\cdot8$ , on **Meteorological** July 6th, and January 7th, 1886, registered the **Returns.** lowest, when the thermometer stood at  $16^{\circ}\cdot5$ .

Rain or melted snow was measured during the year as producing  $24\cdot09$  inches, and having fallen on 162 days. For a more detailed analysis of the records of this department, see Table N (page 35).

I have the honour to be, GENTLEMEN,

Your obedient Servant,

JOSEPH LOANE.

*To the Board of Works for the  
Whitechapel District.*

## APPENDIX.

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

	Spital- fields.	Mile End New Town	White- chapel Church.	Goodm'n's Fields.	Aldgate.	TOTAL.	
						Males.	Females.
First Quarter..	200	198	155	64	58	328	347
Second „	212	216	167	62	36	365	328
Third „	163	178	131	48	51	278	293
Fourth „	152	194	150	49	47	299	293
TOTAL .....	727	786	603	223	192	2531	

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

	Spital- fields.	Mile End New Town	White- chapel Church.	Goodm'n's Fields.	Aldgate.	TOTAL.	
						Males.	Females.
First Quarter..	87	183	305	38	38	358	293
Second „	53	106	269	32	23	289	194
Third „	92	141	277	29	22	307	254
Fourth „	77	166	268	34	17	306	256
TOTAL .....	309	596	1119	133	100	2257	

TABLE C.—A Total of 106 Births took place in the Whitechapel Union Infirmary, of which number 9 being Still-born, there remained 97 Registered Births in that Institution, of which number 6 were the children of Non-Residents, so that the subjoined is a

CORRECTED BIRTH TABLE—THE BIRTHS BEING CORRECTLY DISTRIBUTED AMONGST SUB-DISTRICTS.

Spitalfields.	Mile End New Town.	Whitechapel Church.	Goodman's Fields.	Aldgate.	TOTAL.
772	697	630	233	193	2525

TABLE D.—CORRECT DISTRICT MORTALITY TABLE.

(Residents Deaths wherever registered being correctly referred to their proper Sub-Districts.

	Spital- fields.	Mile End New Town	White- chapel. Church.	Goodm'n's Fields.	Aldgate.	TOTAL.
First Quarter.	172	87	107	51	48	465
Second „	103	58	103	39	25	328
Third „	153	95	107	36	29	420
Fourth „	132	99	111	44	25	411
TOTAL .....	560	339	428	170	127	1624
						856 Males. 768 Fem'l's

The 725 Deaths of Non-Residents which took place in the District were Registered as under :—

Spitalfields.	Mile End New Town. <i>Whitech'l Infirm'y</i>	Whitechapel Church. <i>London Hospital.</i>	Goodman's Fields.	Aldgate.
Nil.	7	712	Nil.	6

TABLE E.—OUTLYING PUBLIC INSTITUTIONS WHERE RESIDENTS OF THE WHITECHAPEL DISTRICT DIED.

Banstead Asylum .....	9	Brought over ..	49
Bethnal House Asylum .....	1	Homerton Fever Hospital .....	12
Brompton Hospital .....	1	Jewish Home, Stepney Green..	1
Cancer Hospital, Fulham .....	1	Leavesden Asylum .....	2
Carne Hill Asylum .....	1	London Fever Hospital .....	1
Central Throat and Ear Hospital	1	Middlesex Hospital .....	1
Charing Cross Hospital .....	1	Mile End Old Town Infirmary ...	1
Children's Hospital, Gt. Ormond Street .....	1	Mildmay Hospital.....	1
Children's Hospital, Shadwell ...	11	National Hospital for Paralysis...	1
City of London Hospital for Chest Diseases .....	2	North Eastern Hospital ..	2
City of London Infirmery .....	1	Poplar and Stepney Sick Asylum	1
City of London Lying-in Hospit'l	1	Royal Free Hospital.....	1
Colney Hatch Asylum .....	9	St. Anne's House, Stoke New- ington .....	2
German Hospital, Dalston .....	7	St. Bartholomew's Hospital .....	13
Guy's Hospital .....	1	Station Hospital, Rochester Road	1
Hanwell Asylum.....	1	Station Hospital, Vincent Square	3
	—		—
		Total...	92
Carried over...	49		



TABLE G.—DISTRICT MEDICAL OFFICER'S ANALYSIS OF CASES.

DISEASES.	1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	TOTAL.	DISEASES.	1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	TOTAL.
All Causes ... ..	1114	689	760	938	3501	40 Apoplexy .....	...	...	1	...	1
						41 Epilepsy .....	2	2	2	1	7
						42 Convulsions .....	...	...	2	1	3
						43 Other diseases of brain } and nervous system.. }	53	40	47	42	182
ZYMOTIC DISEASES.						44 Diseases of organs of } special sense .....	4	7	4	7	22
1 Small Pox { Vaccinated... .. Unvaccinat'd .. No statement ..	...	...	...	...	...	45 Diseases of circulatory } system .....	11	1	6	2	20
2 Measles.....	...	11	22	42	75	46 Croup .....	2	...	2	...	4
3 Scarlet Fever .....	3	3	14	4	24	47 Bronchitis .....	307	92	92	164	655
4 Typhus .....	...	...	...	...	...	48 Pneumonia ... ..	8	2	3	7	20
5 Relapsing Fever .....	...	...	...	...	...	49 Pleurisy .....	6	2	2	1	11
6 Influenza .....	...	...	...	...	...	50 Other respiratory diseases	97	46	36	115	294
7 Whooping cough.....	8	3	1	...	12	51 Dentition .....	3	5	8	9	25
8 Diphtheria .....	...	...	...	...	...	52 Quinzy, sore throat .....	6	11	12	11	40
9 Simple, Continued and } ill-defined fever .....	1	...	4	...	5	53 Enteritis .....	...	...	...	...	...
10 Enteric fever .....	...	...	1	...	1	54 Peritonitis .....	...	...	...	...	...
11 Simple cholera .....	...	...	...	...	...	55 Diseases of liver .....	...	1	3	...	4
12 Diarrhœa, Dysentery .....	8	11	47	9	75	56 Other diseases of diges- } tive system... .. }	65	37	46	37	185
13 Remittent fever .....	...	...	...	...	...	57 Diseases of Lymphatic } system and ductless } glands .....	...	4	7	1	12
14 Hydrophobia .....	...	...	...	...	...	58 Diseases of urinary syst'm	10	9	4	6	29
15 Glanders .....	...	1	...	...	1	59 Diseases, generative } system .....	19	19	12	17	67
16 Cow pox and effects of } vaccination .....	...	...	...	...	...	60 Accidents of childbirth...	6	3	6	5	20
17 Venereal affections.....	10	9	9	13	41	61 Diseases of Locomotive } system .....	88	66	76	95	325
18 Erysipelas .....	1	4	...	4	9	62 Diseases of integu- } mentary system ... }	60	55	36	51	202
19 Pyæmia and Septicæmia	...	...	...	...	...	VIOLENCE.— <i>Accident.</i>					
20 Puerperal Fever .....	...	...	...	...	...	63 Fracture and contusion...	36	32	30	36	134
21 Other Zymotic Diseases	...	...	1	...	1	64 Gun shot wounds .....	...	...	...	...	...
22 Thrush .. ..	...	...	...	...	...	65 Cut, stab .....	1	...	...	1	2
23 Worms and other para- } sitic diseases .....	1	1	...	...	2	66 Burn or scald .....	...	3	1	1	5
24 Starvation, want of } breast-milk .....	...	...	2	...	2	67 Poison .....	1	3	2	3	9
25 Alcoholism .....	1	4	3	...	8	68 Drowning... ..	...	...	...	...	...
26 Rheumatic fever and } rheumatism of heart ;	...	...	1	...	1	69 Suffocation ... ..	...	...	...	...	...
27 Rheumatism .....	166	105	103	147	521	70 Otherwise.....	...	...	...	...	...
28 Gout .. ..	6	11	5	6	28	71 Other Causes .....	87	56	71	79	293
29 Rickets .....	...	...	...	...	...	TOTAL... ..	1114	689	760	938	3501
30 Cancer .....	1	1	...	...	2						
31 Tabes Mesenterica .....	...	...	1	1	2						
32 Tubercular Meningitis ...	...	...	1	...	1						
33 Phthisis .. ..	11	11	7	7	36						
34 Scrofula, Tuberculosis ...	3	3	...	...	6						
35 Other constitutnl. diseases	11	3	15	4	33						
36 Premature birth .....	...	1	...	...	1						
37 Atelectasis .....	...	...	...	...	...						
38 Congenital malformations	...	...	...	...	...						
39 Old age... ..	11	9	12	9	41						

TABLE H.—DISTRICT DEATHS FOR 1886.

CAUSES OF DEATH.	1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	TOTAL.	CAUSES OF DEATH.	1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	TOTAL.
All causes .....	465	328	420	411	1624	44 Diseases of organs of special sense .....	...	...	...	1	1
<b>ZYMOTIC DISEASES.</b>						45 Diseases of circulatory system .....	35	16	17	28	94
1 Small Pox { Vaccinated... ..	...	...	...	...	...	46 Croup .....	6	3	8	6	23
{ Unvaccin't'd .....	...	...	...	...	...	47 Bronchitis .....	120	35	30	61	246
{ Nostatement .....	...	...	...	...	...	48 Pneumonia .....	50	38	27	35	150
2 Measles .....	3	4	19	20	46	49 Pleurisy .....	2	1	1	...	4
3 Scarlet Fever .....	...	5	12	5	22	50 Other respiratory dis'es	10	4	8	10	32
4 Typhus .....	...	...	1	..	1	51 Dentition.....	3	6	7	1	17
5 Relapsing fever .....	...	...	..	..	..	52 Quinzy, sore throat .....	...	2	...	...	2
6 Influenza .....	...	...	..	..	..	53 Enteritis .....	...	...	...	...	..
7 Whooping cough .....	22	15	8	...	45	54 Peritonitis .....	1	...	2	2	5
8 Diphtheria .....	2	..	6	8	16	55 Diseases of liver.....	2	4	4	7	17
9 Simple, continued and ill-defined fever .....	...	..	1	...	1	56 Other diseases of digestive system .....	7	9	13	6	35
10 Enteric fever .....	5	1	3	2	11	57 Diseases of lymphatic syst'm& ductless glands	...	...	...	...	..
11 Simple cholera .....	...	...	1	...	1	58 Diseases of urinary sys'm	10	12	12	9	43
12 Diarrhœa, dysentery.....	4	7	51	3	65	59 Diseases, generative system .....	1	2	2	1	6
13 Remittant fever.....	...	...	...	..	..	60 Accidents at childbirth ..	2	1	...	2	5
14 Hydrophobia .....	...	...	...	..	..	61 Diseases of locomotive system .....	1	...	...	2	3
15 Glanders ... ..	...	...	...	..	..	62 Diseases of integumentary system .....	1	4	4	3	12
16 Cow pox and effects of vaccination .....	...	...	...	..	..	<b>VIOLENT DEATHS.</b>					
17 Venereal affections .....	4	3	7	3	17	<i>Accident.</i>					
18 Erysipelas .....	...	2	...	1	3	63 Fracture and contusion..	7	9	6	2	24
19 Pyæmia and Septicæmia .....	...	...	2	4	6	64 Gun-shot wounds .....	...	...	...	...	..
20 Puerperal fever .....	...	...	...	1	1	65 Cut, stab.....	...	...	...	1	1
21 Other Zymotic diseases..	...	...	...	...	..	66 Burn and scald .....	5	...	...	1	6
22 Thrush.....	...	...	...	..	..	67 Poison .....	...	1	3	...	4
23 Worms and other Parasitic diseases .....	...	...	...	..	..	68 Drowning .....	...	1	1	...	2
24 Starvation, want of breast milk .....	...	...	...	1	1	69 Suffocation .....	3	2	5	2	12
25 Alcoholism .....	...	1	...	...	1	70 Otherwise .....	...	2	...	...	2
26 Rheumatic fever and rheumatism of heart ...	...	...	1	...	1	<i>Homicide.</i>					
27 Rheumatism .....	...	...	1	2	3	71 Murder & manslaughter	...	...	...	...	..
28 Gout.....	1	...	1	...	2	<i>Suicide.</i>					
29 Rickets .....	2	1	1	...	4	72 Gun-shot wounds .....	...	...	...	...	..
30 Cancer.....	6	7	7	10	30	73 Cut, stab .....	1	1	...	...	2
31 Tabes Mesenterica .....	4	4	9	6	23	74 Poison .....	1	...	1	...	2
32 Tubercular Meningitis...	3	2	10	5	20	75 Drowning .....	...	...	...	...	..
33 Phthisis .....	36	25	23	38	122	76 Hanging .....	...	...	...	...	..
34 Scrofula, Tuberculosis ...	3	5	9	4	21	77 Otherwise .....	1	...	...	...	1
35 Other constitut'l diseases	25	23	33	41	120	78 Other causes .....	2	...	...	...	2
36 Premature birth .....	4	10	4	4	22						
37 Atelectasis .....	...	...	...	..	..						
38 Congenital malformatns.	...	...	...	..	..						
39 Old age .....	14	10	11	28	59						
40 Apoplexy.....	7	5	7	6	25						
41 Epilepsy .....	2	...	3	1	6						
42 Convulsions .....	14	15	14	11	54						
43 Other diseases of brain and nervous system ...	33	30	24	27	100						

TABLE J.—METROPOLITAN DEATHS FOR 1886.

CAUSES OF DEATH.	1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	TOTAL.	CAUSES OF DEATH.	1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	TOTAL.
All Causes ... ..	25709	17772	19351	19429	82261	45 Diseases of circulatory system ... ..	2056	1317	1174	1569	6116
<b>ZYMOTIC DISEASES.</b>						46 Croup ... ..	173	108	99	143	523
1 Small Pox						47 Bronchitis ... ..	5458	1832	1037	2957	11284
{ Vaccinated ... ..	...	...	...	...	...	48 Pneumonia ... ..	1756	1064	640	1190	4650
{ Unvaccinated ... ..	...	1	...	...	1	49 Pleurisy... ..	87	67	47	60	261
{ No statement ... ..	1	1	1	1	4	50 Other respiratory dis's	615	335	224	413	1587
2 Measles ... ..	507	537	390	644	2078	51 Dentition ... ..	256	180	153	104	693
3 Scarlet fever ... ..	102	102	173	310	687	52 Quinzy, sore throat ...	22	22	21	24	89
4 Typhus " ... ..	3	2	3	5	13	53 Enteritis ... ..	86	91	223	118	518
5 Relapsing fever ... ..	...	...	...	1	1	54 Peritonitis ... ..	96	81	71	75	323
6 Influenza ... ..	2	1	...	2	5	55 Diseases of liver... ..	367	384	379	394	1524
7 Whooping Cough ... ..	1551	787	295	202	2835	56 Other diseases of digestive system ..	424	354	416	377	1571
8 Diphtheria ... ..	220	188	185	253	846	57 Diseases of lymphatic system and ductless glands.. ... ..	29	33	26	27	115
9 Simple, continued and ill-defined fever . ...	18	18	20	14	70	58 Disease's urinary system	581	504	430	535	2050
10 Enteric fever ... ..	124	101	175	219	619	59 Diseases, generative system ... ..	78	81	55	69	283
11 Simple cholera ... ..	...	6	125	6	137	60 Accidents of childbirth	60	49	78	48	235
12 Diarrhœa, Dysentery	201	244	3132	373	3950	61 Diseases of locomotive system ... ..	113	97	43	101	354
13 Remittent fever... ..	5	4	8	3	20	62 Diseases of integumentary system ... ..	77	59	70	67	273
14 Hydrophobia ... ..	5	2	2	..	9	<b>VIOLENT DEATHS.</b>					
15 Glanders ... ..	1	...	...	1	2	<i>Accident.</i>					
16 Cow pox and effects of vaccination ... ..	...	2	2	...	4	63 Fracture and contusion	266	261	235	208	970
17 Venereal affections ...	151	103	166	124	544	64 Gun shot wounds ..	2	4	4	3	13
18 Erysipelas ... ..	58	55	57	87	257	65 Cut, stab ... ..	1	5	1	3	10
19 Pyæmia & Septicæmia	36	39	25	34	134	66 Burn and scald ... ..	118	55	52	60	285
20 Puerperal fever ... ..	66	65	69	79	279	67 Poison ... ..	17	15	15	16	63
21 Other zymotic diseases	15	18	19	18	70	68 Drowning ... ..	41	84	131	69	325
22 Thrush... ..	22	24	46	21	113	69 Suffocation... ..	183	145	112	155	595
23 Worms and other parasitic diseases ...	1	5	4	8	18	70 Otherwise ... ..	30	36	47	19	132
24 Starvation, want of breast-milk ... ..	13	14	39	25	91	<i>Homicide.</i>					
25 Alcoholism ... ..	66	50	55	49	220	71 Murder & manslaughter	19	19	16	14	68
26 Rheumatic fever and rheumatism of heart	114	76	76	96	362	<i>Suicide.</i>					
27 Rheumatism.. ... ..	43	27	21	13	104	72 Gun shot wounds ..	5	16	9	10	40
28 Gout ... ..	45	42	26	25	138	73 Cut, stab ... ..	12	29	22	24	87
29 Rickets... ..	78	57	49	34	218	74 Poison .. ... ..	24	30	21	18	93
30 Cancer... ..	657	653	675	703	2688	75 Drowning ... ..	13	18	23	11	65
31 Tabes Mesenterica ...	300	300	646	345	1591	76 Hanging ... ..	28	30	22	9	89
32 Tubercular meningitis	339	355	323	236	1253	77 Otherwise ... ..	7	8	6	8	29
33 Phthisis.. ... ..	2320	2046	1913	2053	8332	<i>Execution.</i>					
34 Scrofula, tuberculosis	240	230	278	206	954	78 Hanging. ... ..	...	...	...	...	...
35 Other constitutnl. dis's	152	129	112	128	521	79 Inquest... ..	1779	1380	1285	1448	5892
36 Premature birth... ..	501	479	467	483	1930	80 Other causes ... ..	835	629	1041	754	3259
37 Atelectasis ... ..	31	27	37	33	128	81 Uncertified deaths ...	297	209	207	237	950
38 Congnitl. malformatns.	90	84	75	70	319						
39 Old Age.. ... ..	918	604	502	628	2652						
40 Apoplexy ... ..	647	468	464	554	2133						
41 Epilepsy ... ..	101	98	82	88	369						
42 Convulsions... ..	678	553	617	542	2390						
43 Other diseases of brain and nervous system	1319	1097	1021	1025	4462						
44 Diseases of organs of special sense ... ..	33	36	33	36	138						

TABLE K.—ZYMOTIC DISEASES occurring during the year 1886.

NAME OF PLACE.	Small Pox.	Scarlet Fever.	Enteric or Typhus Fever.	NAME OF PLACE.	Small Pox.	Scarlet Fever.	Enteric or Typhus Fever.
Abel's buildings ... ..	1	...	...	Metropolitan buildings ...	...	2	...
Alie street, Little ... ..	..	1	...	Moss' buildings.. ..	...	1	...
Baker's row ... ..	...	1	...	New bldgs., George yard ..	..	1	...
Booth street ... ..	...	4	...	Norton Folgate . ... ..	...	1	...
Brick lane .. ... ..	...	5	...	Old Montague street ..	...	6	1
Brunswick buildings ... ..	...	1	...	Osborn place ... ..	...	1	...
Burr street.. ... ..	...	1	...	Paternoster row ... ..	...	2	...
Buttress street... ..	...	2	...	Peabody's bldgs. { J Block	...	1	...
Charlotte court.. ... ..	...	1	...	{ H " ..	...	2	...
Chicksand st. buildings...	...	1	...	{ E " ..	...	2	...
Christopher court ... ..	...	1	...	Peabody's bldgs. C.C. ..	...	1	...
Church street, Minories...	...	1	...	Pelham street ... ..	...	1	1
Duke street ... ..	...	...	1	Plough street buildings .	...	1	...
Dunk street ... ..	...	6	...	Queen street. M.E.N.T...	...	1	...
Elder street ... ..	...	...	1	Royal Mint street ... ..	1	..	...
Fisher's alley .. ... ..	...	1	...	Rupert street ... ..	...	2	...
Fort street.. ... ..	...	1	...	Spital square ... ..	...	..	2
George yard ... ..	...	3	...	Steward street ... ..	...	2	...
Glasshouse buildings ... ..	...	1	...	Tenter street East ..	...	1	..
Great Garden street..	...	2	...	Toynbee Hall . ... ..	...	1	...
Hanbury street.. ... ..	...	2	...	Underwood street ...	...	4	*1
Hanover court... ..	...	1	...	Upper East Smithfield ..	2	1	...
Heneage street... ..	...	1	...	Vine court... ..	...	...	1
Hobson's court .. ... ..	...	1	...	Well street.. ... ..	1	...	..
Howard's buildings ..	...	...	2	Whitechapel High street	...	3	...
Lambeth street .. ... ..	...	2	2	White's row ... ..	...	...	1
Leman street .. ... ..	...	2	1	No home ... ..	1	...	...
Lower East Smithfield .	...	1	...				
Mason's court ... ..	...	1	...				
				TOTAL ..	6	79	14

\* Typhus Fever.

TABLE L.—VACCINATION STATISTICS.

Certificates of successful Vaccination registered by the Vaccination Officer :			
Born in the Whitechapel Union ...	{	Successfully Vaccinated .. ..	2269
		Returned as "Insusceptible" ..	4
Born out of the Union, but resident therein—Successfully Vaccinated			251
			<hr/>
		Total .. ..	2524
			<hr/>
Public Vaccinator's Statistics :			
Primary .. ..	{	By Public Vaccinator .. ..	1729
		By Infirmary Medical Superintendent ..	136
			<hr/>
			1865
Re-Vaccination ..	{	By Public Vaccinator .. ..	4
		By Infirmary Medical Superintendent ..	415
			<hr/>
			419
Thus 73·9 per cent. of the total Vaccinations were performed by the Public Vaccinators, leaving 26·1 per cent. to be divided amongst the private medical practitioners in or near to the Whitechapel District.			

TABLE M.—SANITARY WORK PERFORMED BY THE INSPECTORS.

Sanitary Work performed by the Inspectors.	Quarter ending April 3rd.	Quarter ending July 3rd.	Quarter ending Oct. 2nd.	Quarter ending January	Totals for the year 1886.
Numbers of Inspections of Houses as shewn in the Official Returns ...	2513	2271	2566	2138	9488
Houses specially visited . . . . .	224	215	272	476	1187
Houses specially re visited . . . . .	791	967	1080	1904	4742
Preliminary Notices served, such Notices embracing 902 premises ...	229	205	223	256	913
Compulsory Orders issued, embracing 144 premises ...	74	97	86	41	298
Summonses heard at Police Court under Sanitary Act' ...	1	2	7	7	17
"    under Act for the Prevention of Adulteration of Food, &c....	2	1	...	3	6
"    "    Bakehouse Act ...	...	1	...	...	1
Cellars used as dwellings discontinued for such ...	14	8	4	1	27
Cases of overcrowding and indecent occupation abated ...	1	3	1	3	8
Houses in which rooms or passages have been whitewashed ...	92	201	162	131	586
Ventilation of houses improved ...	3	2	2	...	7
Rooms disinfected with sulphurous acid gas, after the occurrence of cases of epidemic diseases therein ...	28	42	64	62	196
Articles consisting of beds, bedding, clothing, &c., removed from rooms to the stone-yard, and there disinfected in the apparatus ...	588	1185	2173	1862	5808
Articles burnt by consent ...	39	329	345	22	735
Yards of houses paved, or the pavement repaired ...	96	131	80	43	350
Drains in houses improved ...	87	71	50	82	290
Dust-bins provided, or improved ...	131	18	21	106	276
Closets limewashed, cleansed and repaired ...	177	146	154	185	662
Closets provided with a flushing apparatus and water supply ...	152	142	143	164	601
Insufficient closet accommodation—an additional closet provided ...	2	2	...	1	5
Defective water fittings to closets repaired ...	2	17	23	11	53
Water supply improved... ..	14	6	8	4	32
Nuisances from dung and other offensive matter removed ...	32	32	55	28	147
Area-gratings, cellar-flaps, &c., repaired ...	5	7	6	8	26
Houses closed by Magistrate's order, or by consent, as unfit for human habitation ...	1	2	1	...	4
Visits to cow-houses in the District ...	20	19	21	22	82
"    slaughter-houses in the District ...	13	13	13	13	52
"    bakehouses in the District ...	77	47	7	48	179
Samples under Food and Drugs Act submitted to Analyst ...	41	39	39	50	169
Cesspools abolished ...	...	...	1	...	1
Animals, &c., kept so as to constitute a nuisance ...	1	...	...	12	13
Meat, fish, eggs, &c., unfit for human food, destroyed by order of Magistrate ...	54 b'gsonions	...	Meat 73 stns. Eggs 1 case.	...	...
Trades' nuisances abolished ...	...	2	1	...	3
Obstructions in the street abated ...	...	...	...	3	3

TABLE N.—METEOROLOGICAL STATISTICS.

	Registered Bright Sunshine.	Degree of Humidity (saturation represented by 100).	Reading of Bar. mtr. (in inches).	Horizontal movement of Air (miles per hour).	Mean Temperature (Fahrenheit).	Rainfall (in inches).	Rain or Snow (Number of days fall).
First Quarter	150.6	84.6	29.72	12.4	36°7	5.52	48
Second ..	513.8	76.5	29.78	11.4	53°0	5.71	34
Third ..	467.9	76.9	29.79	10.7	61°1	4.86	34
Fourth ..	95.7	88.0	29.63	12.2	44°2	8.00	46
TOTALS ...	1228.0	...	...	...	...	24.09	162

TABLE O.—METEOROLOGICAL STATISTICS (HIGHEST AND LOWEST RECORDS OF PRECEDING STATEMENTS).

	Registered Bright Sunshine.	Degree of Humidity (Saturat'n represent'd by 100)	Reading of Baromtr. (in inches).	Horizontal movement of Air (miles per hour).	Mean Temperature (Fahrenheit).	Rainfall (in inches).
1st Quar...	Highest.. 10th week ...39.2	6th, 7th & 12th wks...91	6th&10th wk.30.16	13th week ...21.7	11th week ...64°1	1st week .....1.35
	Lowest... 7th " ...Nil.	10th week .. .....64	3rd week ...29.21	8th " .....7.2	13th " ...16°5	10th " .....Nil.
2nd "	Highest.. 26th " ...80.3	14th week .....92	18th " ...30.14	14th " .. 20.8	26th " ...85°6	21st " .....2.13
	Lowest... 15th " ...16.6	26th " .....63	19th " ...29.47	18th " .....6.0	17th " ...29°1	18th & 26th weeks...Nil.
3rd "	Highest.. 27th " ...59.1	32nd,33rd & 36th wk...82	37th " ...30.03	28th " ...13.9	27th " ...89°8	28th week ..... 0.96
	Lowest... 38th " ...19.2	27th week .....60	30th " ...29.61	35th " .....8.2	37th " ...40°3	34th,37th & 38th wk...Nil.
4th "	Highest.. 41st " ...18.4	47th week .....93	47th " ...30.34	49th " ...23.6	40th " ...79°2	52nd week .....1.47
	Lowest... 50th " ... 2.1	48th " .....78	49th " ...29.13	47th " .....5.1	51st " ...17°3	47th " .....0.01

MEM.— Last year, rain or melted snow fell upon 167 days, to an aggregate of 24.05 inches.