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THE METROPOLITAN
Borough of Stepney.



REPORT
OF THE
MEDICAL OFFICER OF HEALTH
AND
PUBLIC ANALYST
FOR THE YEAR 1919,
BY
D. L. THOMAS, M.R.C.S., L.R.C.P., D.P.H.,
BARRISTER-AT-LAW.





ANNUAL REPORT

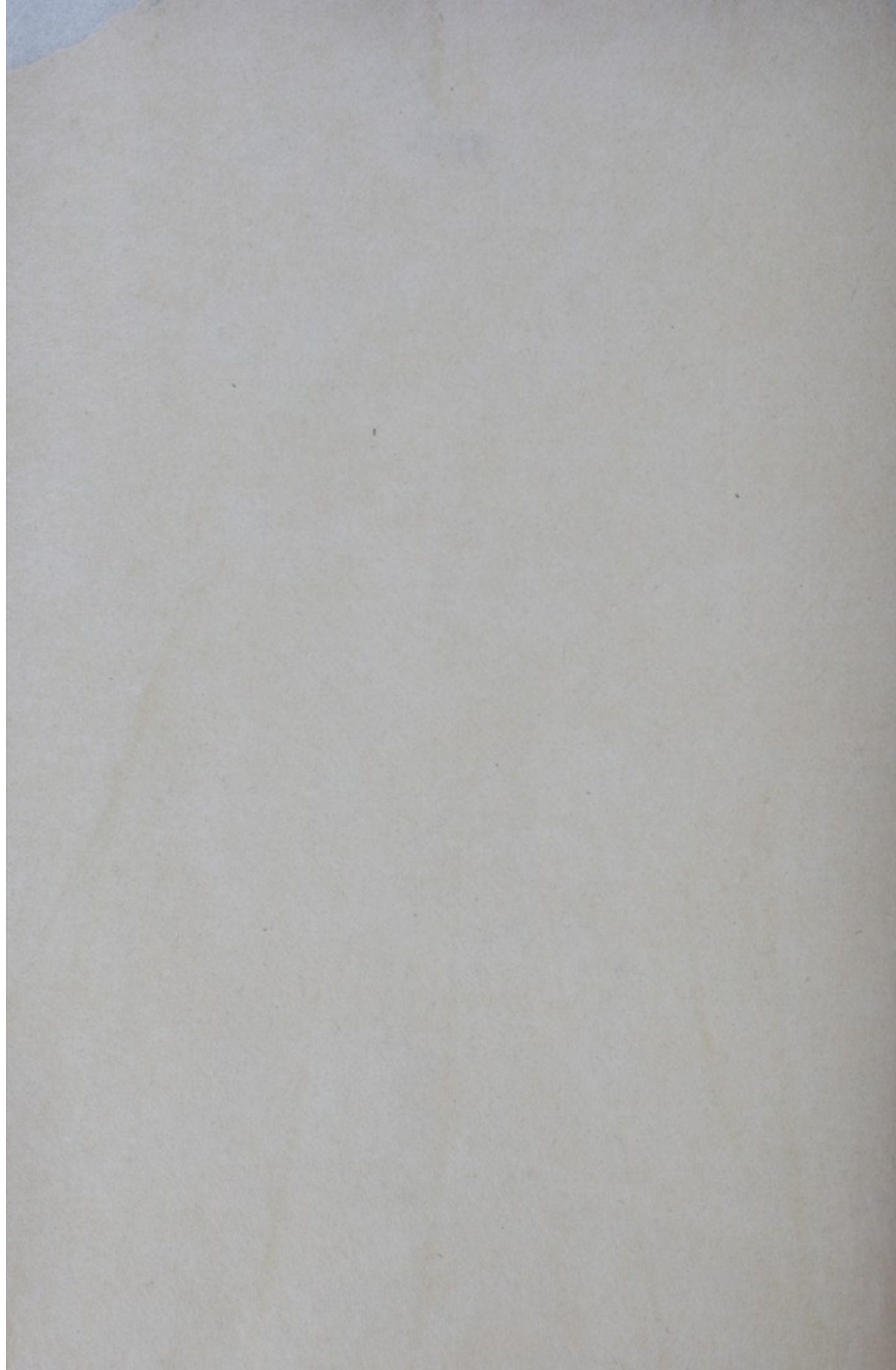
OF THE

Medical Officer of Health and Public Analyst.

FOR THE

Metropolitan Borough of Stepney.

1919.



REPORT

OF THE

MEDICAL OFFICER OF HEALTH AND PUBLIC ANALYST

FOR THE YEAR 1919.

To the Mayor, Aldermen and Councillors of the

METROPOLITAN BOROUGH OF STEPNEY.

LADIES AND GENTLEMEN,

I have much pleasure in submitting to you my nineteenth Annual Report, which deals with the Vital and Sanitary Statistics of the Borough of Stepney for the year 1919.

Population.

The population estimated by the Registrar General for the purpose of calculating the birth rate is 242,202, and for the death rate, 232,506.

The death rate population excludes all non-civilian males whether serving at home or abroad. This is necessary for the purposes of local death rates, because it has proved impossible to transfer the deaths of non-civilians to their areas of residence or to deal in any other satisfactory manner with the local mortality of this element in the population.

I consider that these estimates are far too low, and, based on the number of ration books issued at the Local Food Office, of which I was Executive Officer, I estimate the population to be 280,000 and the rates are calculated on this figure.

Births.

The total number of births during the year was 5,463—2,798 males, and 2,665 females, or 870 more than in the previous year.

The birth-rate was 19·5 per 1,000 of the population, while that for the whole of London was 18·3 per 1,000.

1,353 of the births belonged to the Limehouse District.

920 of the births belonged to St. George-in-the-East.

2,271 of the births belonged to Mile End Old Town.

919 of the births belonged to the Whitechapel District.

790 births occurred in the Mothers' Lying-in Home, Commercial Road :—

176 belonged to Mile End Old Town.

189 belonged to the Limehouse District.

61 belonged to St. George-in-the-East.

40 belonged to the Whitechapel District.

324 belonged to outlying Districts.

418 births occurred in the London Hospital :—

97 belonged to Mile End Old Town.

42 belonged to St. George-in-the-East.

24 belonged to the Limehouse District.

36 belonged to the Whitechapel District.

219 belonged to outlying Districts.

34 births occurred in the St. George's Infirmary :—

32 belonged to St. George-in-the-East.

2 belonged to the Limehouse District.

10 births occurred in the Mile End Infirmary :—

All belonged to Mile End Old Town.

108 births occurred in the Whitechapel Infirmary :—

47 belonged to the Whitechapel District.

4 belonged to Mile End Old Town.

57 belonged to outlying Districts.

285 births occurred at 24, Underwood Street :—

102 belonged to Mile End Old Town.

104 belonged to the Whitechapel District.

2 belonged to the Limehouse District.

28 belonged to St. George-in-the-East.

49 belonged to outlying Districts.

Marriages.

The total number of marriages was 2,419. The proportion of persons married was nearly 17·2 per 1,000 of the population.

515 of the marriages were registered in the Limehouse District.

289 of the marriages were registered in St. George-in-the-East.

1,185 of the marriages were registered in Mile End Old Town.

430 of the marriages were registered in the Whitechapel District.

Deaths.

After deducting the deaths of non-residents who died in the Borough, and adding those of residents who died in outlying Institutions, the total number was 3,331—1,812 males and 1,519 females, or 1,429 less than in the previous year.

716 of the deaths belong to the Limehouse District.
 540 of the deaths belonged to St. George-in-the-East.
 1,230 of the deaths belonged to Mile End Old Town.
 845 of the deaths belonged to the Whitechapel District.

The death-rate was 11·8 per 1,000 of the population, while that for the whole of London was 13·4 per 1,000.

Notifiable Diseases.

3,828 notifications were received. This number includes, 965 notifications of diseases of a Tubercular nature and 855 of Measles. 2,099 were removed to various fever hospitals and infirmaries.

Of the Infectious Diseases :—

798 belonged to the Limehouse District.
 802 belonged to St. George-in-the-East.
 1,408 belonged to Mile End Old Town.
 820 belonged to the Whitechapel District.

Wrong Diagnosis.

56 cases of Infectious Disease were removed to hospitals of the Metropolitan Asylums Board, which were subsequently returned home in consequence of the patients found not to be suffering from the diseases stated on the certificates or any other notifiable disease.

30 of the cases were notified by private practitioners, 19 from the London Hospital, and 7 from other Public Institutions.

This number referred to 14 cases of Scarlet Fever, 2 of Enteric Fever, 39 of Diphtheria and 1 of Puerperal Fever.

Small-pox.

One case was notified during the year. A boy aged 7, who lived in Rupert Street, Whitechapel, developed the disease in a very mild form. Our inquiries failed to discover how and where he contracted it.

There was another case, but the disease was not recognised during the life time of the patient and was therefore not notified in the usual way.

On Saturday, 28th June, I was asked by a medical man in the district to see the body of a man he had been attending, and had certified the cause of death to be *Purpura Haemorrhagica*.

W. S. R., aged 53, of Burdett Road, was taken ill on Monday, 23rd June, with vomiting and "pains all over." The doctor was not asked to see him until Wednesday, 25th June. The patient at that time had small patches of haemorrhages underneath the skin about the size of pins' heads. Another doctor saw him on Friday night, 27th June. They did not suspect that he was in a serious condition, nor did they anticipate fatal results. When I saw the body on 28th June, I had very little doubt that the man had died from an unusual form of Small Pox (Haemorrhagic Small Pox).

I warned the relatives, and dealt with the case on the assumption that it was Small Pox. I arranged for the body to be immediately confined, and taken to the Mortuary, where it remained until the funeral, and the premises were at once thoroughly disinfected. The relatives and all those who lived or had visited the house were advised to be immediately vaccinated. The contacts were kept under supervision. The addresses of the contacts who lived outside our District were communicated to the Medical Officers of Health for those Districts.

The deceased had visited his mother in Gravesend from 7th June to 9th June, and although there had recently been cases of Small Pox in Gravesend, it was not discovered that he had been in contact with any one suffering from Small Pox, or with any suspicious case of illness.

On Saturday, 5th July, the widow visited Gravesend and was taken ill on 6th July with Small Pox. A few days afterwards a son of the deceased, who lived in Bethnal Green, developed Small Pox.

There can, therefore, be no doubt that W.S.R. died from Small Pox. Naturally no precautions were taken to prevent the spread of the disease during his illness as it was not diagnosed, but every precaution was taken afterwards to limit the spread of the disease. Fortunately these four people were the only ones who contracted Small Pox.

Scarlet Fever.

988 cases were notified during the year, or 556 more than in the previous year ; 972 were removed to fever hospitals.

188 belonged to the Limehouse District, with 3 deaths.

294 belonged to St. George-in-the-East, with 2 deaths.

283 belonged to Mile End Old Town, with 3 deaths.

223 belonged to the Whitechapel District, with 1 death.

The death-rate throughout the whole Borough was at the annual rate of .03 per 1,000 of the population, or at the same rate as that for the whole of London.

Diphtheria and Membranous Croup.

710 cases were notified during the year, or 1 more than in the previous year ; 696 were removed to fever hospitals.

132 belonged to the Limehouse District, with 12 deaths.

155 belonged to St. George-in-the-East, with 8 deaths.

287 belonged to Mile End Old Town, with 14 deaths.

136 belonged to the Whitechapel District, with 9 deaths.

The death-rate for the whole Borough was $\cdot 15$ per 1,000 of the population, while that for the whole of London was $\cdot 18$ per 1,000.

Enteric Fever.

30 cases were notified, or 17 more than in the previous year.

13 belonged to the Limehouse District, with 3 deaths.

1 belonged to St. George-in-the-East, with no deaths.

5 belonged to Mile End Old Town, with no deaths.

11 belonged to the Whitechapel District, with 3 deaths.

The death-rate was $\cdot 02$ per 1,000 of the population. The death-rate for the whole of London was $\cdot 01$ per 1,000.

Puerperal Fever.

12 cases were notified, or 6 more than in the previous year ; 8 belonged to Mile End and 4 to Whitechapel. 6 died ; 5 in Mile End and 1 in Whitechapel.

Erysipelas.

217 cases were notified or 81 more than in the previous year. 39 were removed to the various hospitals and infirmaries.

45 belonged to the Limehouse District, with no deaths.

41 belonged to St. George-in-the-East, with 1 death.

67 belonged to Mile End Old Town, with 5 deaths.

64 belonged to the Whitechapel District, with 2 deaths.

Encephalitis Lethargica.

This disease was rendered compulsorily notifiable by Regulations which came into force on 1st January, 1919.

The Order was designed to secure the notification of cases of an infectious disease which occurred in epidemic form in 1918. The disease was at first thought to be Botulism, which is associated with the consumption of infected food.

The symptoms are progressive langour, apathy and drowsiness passing into lethargy ; with various paralyses, chiefly of the upper eyelids.

6 cases were notified during the year and 1 proved fatal. 1 occurred in Limehouse, 3 in Mile End, and 2 in Whitechapel.

Cerebro-Spinal Fever or " Spotted " Fever.

12 cases were notified, or 6 less than in the previous year.

2 belonged to the Limehouse District, with 1 death.

4 belonged to St. George-in-the-East, with 1 death.

2 belonged to Mile End Old Town, with 2 deaths.

4 belonged to the Whitechapel District, with 2 deaths.

Poliomyelitis.

1 case was notified, which belonged to Limehouse.

Ophthalmia Neonatorum.

30 cases were notified, or 10 more than in the previous year.

11 belonged to the Limehouse District.

4 belonged to St. George-in-the-East.

9 belonged to Mile End Old Town.

6 belonged to the Whitechapel District.

8 died, 3 removed from the district and 19 recovered. One baby had the eyes slightly affected, but none appeared to become blind.

Measles.

855 cases were notified, or 2,278 less than in the previous year.

232 belonged to the Limehouse District, with 5 deaths.

132 belonged to St. George-in-the-East, with 1 death.

378 belonged to Mile End Old Town, with 8 deaths.

113 belonged to the Whitechapel District, with no deaths.

The death-rate for the whole Borough was at the annual rate of .05 per 1,000 of the population, while that for the whole of London was .08 per 1,000.

The deaths from Measles are remarkably low as compared with previous years.

The annual number of deaths from Measles since 1901, is as follows :—

1901	...	...	...	...	...	155
1902	...	...	...	...	...	158
1903	...	...	...	...	...	162
1904	...	...	...	...	...	176
1905	...	...	...	...	...	151
1906	...	...	...	...	...	171
1907	...	...	...	...	...	155
1908	...	...	...	...	...	264
1909	...	...	...	...	...	236
1910	...	...	...	...	...	93
1911	...	...	...	...	...	291
1912	...	...	...	...	...	172
1913	...	...	...	...	...	95
1914	...	...	...	...	...	174
1915	...	...	...	...	...	113
1916	...	...	...	...	...	63
1917	...	...	...	...	...	103
1918	...	...	...	...	...	145
1919	...	...	...	...	...	14

Whooping Cough.

The number of deaths from Whooping Cough was 15, or 77 less than in the previous year.

4 belonged to the Limehouse District.

1 belonged to St. George-in-the-East.

7 belonged to Mile End Old Town.

3 belonged to the Whitechapel District.

The death-rate was $\cdot 05$ per 1,000 while that for the whole of London was $\cdot 05$ per 1,000.

Summer Diarrhoea.

The number of deaths was 125 or 43 more than in the previous year.

30 belonged to the Limehouse District.

34 belonged to St. George-in-the-East.

38 belonged to Mile End Old Town.

23 belonged to the Whitechapel District.

The death-rate for the whole Borough was $\cdot 44$ per 1,000.

71 per cent. of the deaths from Diarrhoea were those of infants under one year of age.

Zymotic Diseases.

The total deaths from diseases of a zymotic character number 218, or 169 less than in the previous year.

It includes deaths from Measles, Scarlet Fever, Whooping Cough, Diphtheria, Enteric Fever, Puerperal Fever and Diarrhoea.

57 belonged to the Limehouse District.

46 belonged to St. George-in-the-East.

75 belonged to Mile End Old Town.

40 belonged to the Whitechapel District.

Phthisis.

758 new cases were notified, or 789 less than in the previous year.

	Notifications.	Deaths.
Limehouse	125	81
St. George's	139	51
Mile End Old Town	281	123
Whitechapel	213	112

Number of deaths from Consumption from 1901 to 1919 :—

	Limehouse District.	St. George's.	Mile End.	Whitechapel.	Whole Borough.
1901	123	186	107	208	624
1902	130	105	168	173	576
1903	123	122	189	193	627
1904	143	119	229	198	689
1905	98	117	171	187	573
1906	116	94	178	138	526
1907	98	90	141	153	482
1908	98	79	154	103	434
1909	93	102	146	180	521
1910	74	80	146	110	410
1911	109	69	177	126	481
1912	74	77	149	133	433
1913	98	55	137	140	430
1914	90	53	162	149	454
1915	118	74	176	131	499
1916	95	69	146	165	475
1917	108	82	162	154	506
1918	102	92	184	164	542
1919	81	51	123	112	367

Other Forms of Tuberculosis.

207 new cases were notified, or 2 less than in the previous year :—

	Notifications.	Deaths.
Limehouse	48	16
St. George's	32	6
Mile End Old Town	85	12
Whitechapel	42	16

Deaths from diseases of a Tubercular nature, other than Phthisis, from 1901 to 1919 :—

	Limehouse District.	St. George's.	Mile End.	Whitechapel.	Whole Borough.
1901	60	73	54	52	239
1902	43	49	89	52	233
1903	52	37	61	45	195
1904	44	35	61	34	174
1905	42	29	53	35	159
1906	57	47	53	57	214
1907	51	50	59	42	202
1908	38	40	64	25	167
1909	37	41	40	26	144
1910	33	26	43	35	137
1911	40	40	59	27	166
1912	29	15	39	22	105
1913	33	32	39	21	125
1914	52	24	50	26	152
1915	30	24	43	21	118
1916	21	21	28	19	89
1917	23	26	39	25	113
1918	20	22	32	12	86
1919	16	6	12	16	50

In spite of the fact that the deaths from Phthisis are less than in previous years, it must be at once omitted that the whole system of dealing with the disease is unsatisfactory.

More than one-half of the patients suffering from Tuberculosis are not notified to the Public Health Department. Of the 367 deaths certified to have died from Tuberculosis of the lungs, 53 died in Lunatic Asylums ; 18 of whom had been notified. Leaving these out of the question, of the 314 persons who died from Phthisis, 111 had never been notified, and therefore no steps were taken during their life-time to prevent the spread of the disease to others. 125 died at their own homes, but 81 only had been notified.

124 deaths occurred in the Poor Law Infirmaries, Poplar and Stepney Sick Asylum, and the London Hospital, but 35 had not been notified.

46 were, before their admission into the Infirmaries, inmates of Common Lodging Houses in the district, and it can be imagined the extent of the damage caused in these crowded places before the patients were sufficiently ill to be admitted to the Infirmaries. 23 out of the 46 were not notified during their life-time.

55 residents died in various Hospitals, Sanatoria and other Institutions outside the district, 33 were notified and 22 were not notified.

4 died in the Brompton Hospital, and 7 in a Sanatorium. Of the former, 2 were notified, and 6 in the latter. 9 deaths were those of discharged soldiers who had died in the Metropolitan Asylums Board Hospitals. 2 had not been notified.

The same remark applies to other diseases of a Tubercular nature other than Phthisis. Of the 50 deaths, 28 had not been notified during their life-time.

The existing Tuberculosis Dispensaries in the Borough might be the means of placing the Tuberculosis problem on a more satisfactory footing, if they were more closely linked to the Public Health Authority.

Much might be done by the systematic examination of the "contacts" of those patients who are notified. Even then, the fact remains that more than one-half the cases are not brought to our notice, due to the apathy or disinclination of the Doctors in attendance to notify the disease.

Homes for the isolation and alleviation of advanced cases are urgently required instead of utilising Infirmaries, General Hospitals and even Sanatoria.

Adequate provision of open-air schools, which might be of two types, viz. :—

- (a) Schools for children diagnosed as definite cases of Tuberculosis ;
- (b) Schools for pre-tuberculous or suspected cases of Tuberculosis.

Many tuberculous patients have been sent away to Sanatoria, but owing to the short length of treatment consequent on the inadequate number of beds, it is impossible to point to very many in whom the disease can be considered to be arrested (this is especially true of adults).

An attempt might be made to provide open-air shelters for use in gardens and yards of patients receiving Domiciliary treatment, although there are not many gardens which might be of great use in this Borough.

The anti-tuberculosis work in the Borough is also unsatisfactory owing to lack of co-ordination, different bodies attempting to deal with different branches of the work, and each working more or less independently.

Pneumonia, Malaria, Dysentery and Trench Fever Regulations.

These regulations came into operation on March 1st, 1919, and the number of cases notified were as follows :-

Pneumonia	...	...	...	...	...	421
Malaria	...	...	...	...	...	61
Dysentery	...	...	...	...	...	1
Trench Fever	...	...	...	...	...	Nil.

All the cases of malaria were those of soldiers who had contracted the disease in the Eastern War Zone.

Diseases of the Respiratory Organs.

There were 850 deaths due to diseases of the respiratory organs, or 402 less than in the previous year.

193 belonged to the Limehouse District.

126 belonged to St. George-in-the-East.

291 belonged to Mile End Old Town.

240 belonged to the Whitechapel District.

The death-rate was 3.03 per 1,000 of the population.

Influenza.

181 persons died from Influenza during the year, and 382 from Pneumonia, a large number being secondary to Influenza. 74, or over 40 per cent., being people between 15 and 45 years of age ; 48, or 26 per cent. of the deaths were under 2, and 37 above 65 years of age.

45 belonged to the Limehouse District.

41 belonged to St. George-in-the-East.

49 belonged to Mile End Old Town.

46 belonged to the Whitechapel District.

Cancer.

234 deaths were due to Cancer or 5 less than in the previous year.

40 belonged to the Limehouse District.

27 belonged to St. George-in-the-East.

104 belonged to Mile End Old Town.

63 belonged to the Whitechapel District.

Anthrax.

E. L., aged 31, employed at a Biscuit Works died from Anthrax.

On Thursday, January 16th, the deceased noticed what appeared to be a blackhead on the front of her neck and called her husband's attention to it. A

Doctor was called in to see her on Monday, January 20th, who had her immediately taken to the London Hospital. The diagnosis of Anthrax was confirmed by bacteriological examination. She died on January 21st.

The biscuit factory is an old established place where dog biscuits as well as Army and Ship's biscuits are manufactured.

The meat intended for dog biscuits is brought to the factory in cakes or "Greaves" about a yard in diameter and two to three inches thick, and is the residue from fat and tallow melters where the fat is extracted. After it arrives it may remain on the premises for some time (even two months) before it is utilised for the making of biscuits.

The greaves are cut into small chunks, about an inch long, passed through a disintegrating machine and granulated, thence through a shoot into a room below. The duties of the deceased consisted in receiving this granulated meat from the shoot into sacks, which, when filled, are taken to another part of the building. The meat is then mixed with flour and made into biscuits, which are placed on a movable plate in an oven and baked for about half an hour at a temperature of 380°-400° F. If the deceased contracted Anthrax in the factory, the only explanation that can be given is that a portion of the infected meat was not subject to the usual heat at the fat melters before it was pressed dry.

There are up-to-date conveniences for the women to wash their hands before leaving the factory, with a woman in charge. There is no reason to believe that this is not effectually done on all occasions when the women leave the factory.

No case of Anthrax has occurred at the factory for 60 years. I took portions of the dust from the "shoot" mentioned above for bacteriological examination, and bacilli similar to anthrax bacilli were abundantly found.

Infantile Mortality.

432 infants died under 1 year of age or 104 less than in the previous year.

96 belonged to the Limehouse District, or at the rate of 70 per 1,000 births.

88 belonged to St. George-in-the-East, or at the rate of 95 per 1,000 births.

164 belonged to Mile End Old Town, or at the rate of 72 per 1,000 births.

84 belonged to the Whitechapel District, or at the rate of 91 per 1,000 births.

The infantile mortality for the whole Borough was 79 per 1,000 births, which is the lowest on record. The infantile mortality for the whole of London was 85 per 1,000 births.

The average infantile mortality for five-year periods from 1890-1914, and for the years 1915-1919 inclusive.

			Limehouse.	St. George's.	Mile End.	Whitechapel.			Whole Borough.	
1890-1894	...	186	...	197	...	175	...	163	...	178
1895-1899	...	204	...	187	...	166	...	147	...	168
1900-1904	...	201	...	162	...	148	...	135	...	157
1905-1909	...	153	...	142	...	120	...	112	...	129
1910-1914	...	143	...	137	...	112	...	103	...	122
1915 ...	...	128	...	136	...	107	...	94	...	114
1916 ...	...	101	...	100	...	90	...	74	...	92
1917 ...	...	118	...	139	...	85	...	90	...	103
1918 ...	...	120	...	148	...	97	...	120	...	115
1919 ...	...	70	...	95	...	72	...	91	...	79

Visits by Health Visitors :—

		Limehouse.	St. George's.	Mile End.	Whitechapel.	Total.
Primary visits	...	1,643	997	2,047	1,266	5,953
Revisits	...	2,276	800	1,674	1,266	6,016
	Breast fed.		Artificially fed.		Mixed feeding.	
	4,714		331		379	

86 per cent. of the infants were breast-fed at the time of first visit. This is true only for the first few months, then artificial foods are used to supplement breast feeding.

There were 76 sets of twins and 1 set of triplets born during the year. The triplets are all living.

The number of still-births was 148.

Excepting where obviously unnecessary, all births are visited on the tenth day or as soon after as possible, and the mother is advised to attend a Welfare Centre.

Birth cards are sent to the various Centres for the necessary records to be kept of the infants attending the Centres.

If mothers fail to attend the Centre, the birth cards are returned and the visiting is resumed by the Health Visitor.

Monthly, weekly, or even daily visits are paid where urgently necessary.

At three of the Welfare Centres a Municipal Health Visitor was responsible for weighing the infants. 114 visits were paid to the various Centres during the year.

30 cases of Ophthalmia Neonatorum were notified. These were visited to ensure proper treatment being carried out. The mother was shown how the eyes should be bathed, and told how to prepare the lotion, and was also warned of danger if any neglect occurred. 10 of the most severe cases were removed to St. Margaret's Hospital for treatment and remained there until recovery.

The services of a District Nurse were arranged for where necessary in home treatment.

During the latter part of the year 130 applications were received for free milk, which referred to 300 mothers and babies. These were granted on the recommendation of the Health Visitors. The homes were visited regularly and improvements were noticed in the health of both mothers and children.

1.—Voluntary Infant Welfare Agencies in existence at the end of 1919.

I.—Maternity and Infant Welfare Centres.

Limehouse.—

Stepney School for Mothers, 587, Commercial Road
Mission Hall, Carr Street, Limehouse Fields ...

{ Which covers Ratcliffe,
South Ward of Mile
End and part of
Shadwell.

St. George-in-the-East.—

Congregational Church, Watney Street.
The Institute, 136, St. George Street.
235, Cable Street (Catholic Centre).
Church Hall, Planet Street.
Wesleyan Chapel, Cable Street.
220, Cable Street (Jewish).

Wapping.—

22, Raines Mansions, Old Gravel Lane.
Infants' Schoolroom, St. Paul's, Scandrett Street.

Mile End.—

Dame Colet House, Mile End Road.
Mile End Infant Weighing Centre, Congregational Buildings, Burdett Road.

Whitechapel.—

Whitechapel School for Mothers, 52, Philpot Street.
Whitechapel School for Mothers, St. Mary's School House, Church Passage, Spitalfields.
The Minories, 49, Church Street, Minories.
Mothers' Welcome, Great Prescott Street.
24, Underwood Street (Jewish).
14, Great Alie Street (Jewish).

II.—*Ante-natal Clinics* are held at

The London Hospital.
 The East End Mothers' Lying-in-Home.
 49, Church Street, Minories.
 Sick Room Help Society, Underwood Street.
 Cotton Estate, Mile End.

III.—*Creches*.—Acting as supplementary to these agencies, there are Creches or Day Nurseries, where babies are looked after during the day time while the mothers are at work :—

Jewish Infants' Day Nursery	...	23, New Road, Whitechapel.
Marie Hilton Creche	...	14 and 16, Stepney Causeway.
George Yard Mission	...	Angel Alley, High Street, Whitechapel.
Holy Child Creche...	...	66, Chamber Street, Tower Hill.
Day Nursery	...	Rectory Square.
Wellclose Square	...	St. George's.
8, Martha Street	...	St. George's.
Million Penny Fund Day Nursery	...	10, Great Garden Street.

Rag Flock Act.

A bedding manufacturer in the district was fined £10 with £2 2s. costs for using rag flock which was in a dirty condition and on analysis was found to contain an excess of soluble chlorine (220 parts per 100,000), the standard allowed by the Act being not more than 30 parts of chlorine per 100,000 in 40 grammes of a well mixed sample of flock.

The Mortuary.

The number of bodies deposited in the Mortuary during the year was 351. Of these, 299 were removed by the Coroner's order, 40 by the Police, 3 at the request of deceaseds' friends, 8 on my instructions, and 1 by order of the Relieving Officer.

30 bodies were placed in the Jewish part of the Mortuary, but only 8 were officially "watched."

339 Inquests were held in the Coroner's Court, and 48 post mortem examinations were made.

Unsound Food Destroyed.

The following foodstuffs were condemned under the Unsound Food Series and the Public Health (Foreign Meat) Regulations, 1908, as unfit for human consumption, but were utilised for trade purposes

I.—At the Wharves :—

					Tons.	cwts.	qrs.	lbs.
Meat		Bacon			3	6	1	25
Preserved Meats	49,589	Tins of Beef			50	13	2	6
	3,456	" Rabbits			5	8	1	16
	3,850	" Tongues			4	16	3	18
Preserved Fish ...	96	Tins of Cray Fish			—	—	1	20
	9,104	" Salmon			3	13	2	8
	3,196	" Sardines			1	6	2	2
Fresh Fruit and	7,977	Crates of Bananas			167	14	3	0
Vegetables.	136	Casks of Cauliflowers			17	2	0	0
		1 Barrel of Grapes			—	—	2	0
		Lemons			1	10	0	0
		Onions... ..			225	11	2	0
		Potatoes			472	10	2	0
	145	Packages of Oranges... ..			9	3	2	0
	3	" Tomatoes			—	2	0	16
Preserved Fruit	600	Tins of Fruit Pulp			1	18	0	0
and Vegetables.								
Dried Fruit ...	157	Packages of Figs			1	15	1	26
	122	Bags of Raisins			1	11	2	23
Sundries	20,982	Tins of Assorted Canned Goods			19	16	0	25
	65,705	" Condensed Milk			41	12	2	24
		Quaker Oats			110	0	0	0
	400	Bags of Rice			30	0	0	0
	46	Tins of Ox Tails			—	1	0	3
Total					1,169	15	3	16

II.—Diseased Meat and Offal destroyed from the Slaughter-houses and Offal Dealers :—

					Tons.	cwts.	qrs.	lbs.
11 Calves Carcases and Organs					—	9	1	5
Beef					—	13	1	23
2 Forequarters of Veal					—	—	1	0
2 Hindquarters of Veal					—	—	—	24
72 Bullocks' Livers					—	7	1	2
35 Sheeps' Livers					—	—	3	1
14 Calves' Livers					—	—	1	27
24 Sets of Bullocks' Lungs					—	2	0	17
4 Sets of Calves' Lungs					—	—	—	15
34 Bullocks' Heads					—	7	3	9
20 Bullocks' Spleens					—	—	1	12
3 Bullocks' Tongues					—	—	—	16
Total					2	2	1	11

III.—Unsound Food seized or surrendered in other parts of the Borough:—

								Tons.	cwts.	qrs.	lbs.
Anchovies	...	...	...	...	...	...	...	10	0	2	24
Apple rings	...	...	...	...	...	...	...	—	—	2	0
Apricot Pulp	...	...	...	...	...	...	...	2	15	2	4
Assorted Canned Goods	...	...	...	...	...	...	...	10	17	0	0
Bacon	...	...	...	...	...	...	...	—	16	1	4
Bananas	...	...	...	...	...	...	...	—	11	2	0
Beef	...	...	...	...	...	...	...	—	—	2	15
Brussel Tops	...	...	...	...	...	...	...	—	—	3	0
Carrots	...	...	...	...	...	...	...	10	0	0	0
Cheese	...	...	...	...	...	...	...	—	1	3	0
Chocolate	...	...	...	...	...	...	...	—	4	0	0
Condensed Milk	...	...	...	...	...	...	...	—	15	0	14
Corned Beef	...	...	...	...	...	...	...	—	—	1	14
Dabs	...	...	...	...	...	...	...	—	1	3	0
Damsons	...	...	...	...	...	...	...	—	—	3	12
Dates	...	...	...	...	...	...	...	43	18	2	15
Desiccated Peaches	...	...	...	...	...	...	...	2	18	2	17
1,400 Eggs	...	...	...	...	...	...	...	0	1	2	0
Fresh water fish	...	...	...	...	...	...	...	2	16	0	0
Grapes	...	...	...	...	...	...	...	—	3	0	24
Greengages	...	...	...	...	...	...	...	13	10	0	25
Hams	...	...	...	...	...	...	...	—	—	—	18
Herrings	...	...	...	...	...	...	...	—	3	5	0
Jam	...	...	...	...	...	...	...	1	7	2	14
Kippers	...	...	...	...	...	...	...	—	—	1	18
Lemons	...	...	...	...	...	...	...	—	—	2	0
Mackerel	...	...	...	...	...	...	...	—	2	0	0
Oranges	...	...	...	...	...	...	...	—	—	2	14
Onions	...	...	...	...	...	...	...	1	7	1	0
Pears	...	...	...	...	...	...	...	—	15	0	0
Pearl Barley	...	...	...	...	...	...	...	—	—	—	9
Perch	...	...	...	...	...	...	...	—	—	2	14
Pickled Cucumbers	...	...	...	...	...	...	...	—	2	0	0
Pigs' Heads	...	...	...	...	...	...	...	—	6	0	0
Plaice	...	...	...	...	...	...	...	—	—	2	0
Plums	...	...	...	...	...	...	...	—	7	1	16
Potatoes	...	...	...	...	...	...	...	2	9	0	0
Rabbits	...	...	...	...	...	...	...	—	1	0	2
Roach	...	...	...	...	...	...	...	—	—	2	14
3 Sheep	...	...	...	...	...	...	...	—	1	2	17
Skate	...	...	...	...	...	...	...	—	1	3	0
Strawberries	...	...	...	...	...	...	...	—	6	2	11
Tomatoes	...	...	...	...	...	...	...	—	17	3	8
Turnips	...	...	...	...	...	...	...	1	0	0	0
Total	...	...	...	...	...	...	...	109	7	3	15

Police Court Proceedings for having deposited Horseflesh for sale as human food.

On February 14th, 1919, Mr. A. Fuxo, of The Railway Coffee House, 102, Whitechapel Road, was summoned for depositing for preparation for sale, 14 lbs. of horseflesh which was unsound and unfit for human food.

He was fined £10 with £5 5s. costs.

Police Court proceedings under the Horseflesh Act.

On February 14th, 1919, Mr. A. Fuxo, of The Railway Coffee House, 102, Whitechapel Road, was summoned for having 14 lbs. of horseflesh on premises which were not registered for the sale of horseflesh.

He was Fined £10.

Housing of the Working Classes Act. Part 1.

Official representations were made to the London County Council with regard to two unhealthy areas in the Borough.

- (1). The Bell Lane Area lies between Commercial Street, Wentworth Street, Bell Lane and Butler Street. It is about $4\frac{1}{4}$ acres in extent and comprises 286 houses and tenements. The number of persons in occupation at the time of making the representation was 1,267.
- (2). The Ellen Street Area is about $1\frac{1}{4}$ acres in extent and includes 112 houses. The population was 560.

General Sanitary Work.

36,370 houses were inspected, 2,517 being the result of house-to-house inspections. 10,837 intimation notices were served for the abatement of various nuisances, as well as 7,093 Statutory Notices.

It was necessary to take Police Court proceedings against the owners or persons causing the nuisance in 49 cases.

44,155 re-visits were made by the Inspectors to supervise the abatement of the nuisances complained of.

3,218 drains were tested with smoke or water, and 68 were re-tested; 1,290 drains were either constructed or reconstructed, cleared or repaired; 377 were trapped.

67 new soil pipes were fixed and ventilated; 595 new closet pans and traps were fixed; 2,000 closets were either cleansed or repaired, or provided with additional light and ventilation; 1,336 water closets were provided with proper flushing apparatus.

1,305 yards, forecourts and areas were paved or repaired.

Notices were served to provide 1,546 sanitary dust receptacles and 12 manure receptacles ; 484 offensive accumulations were removed from the rear of dwelling houses.

51 houses were ventilated under the lower floor.

5 underground rooms, which were illegally occupied, were discontinued from being used as such.

21 notices were served for the abatement of smoke nuisances.

307 visits were made to bakehouses.

4,828 notices were served to have houses cleansed ; water supply was reinstated to 99 houses.

70 sink, bath or rain-water pipes, which were communicating directly with the drain, were disconnected.

7,763 miscellaneous repairs to roofs, floors, gutters, etc., were carried out as the result of notices served.

127 rooms were provided with additional light and ventilation, and the damp walls of 678 rooms were remedied.

There are 2,512 houses registered as houses let in lodgings, and 3,785 visits were made under the bye-laws.

Overcrowding.—12,009 inspections were made for the purpose of detecting overcrowding ; 93 rooms were found to be overcrowded.

The number of registered milkshops at the end of 1919 was 413, and 1,422 visits were made to inspect the condition of the premises, milk receptacles, etc.

Ice cream was manufactured at 99 premises, and 191 visits were made to them.

282 verminous persons were cleansed and their clothing disinfected, and 1,979 verminous premises were dealt with during the year.

Disinfection.—52,311 articles were disinfected at the Disinfecting Station during the year.

2,785 rooms were fumigated and the bedding, etc., removed to be disinfected by steam ; 2,230 rooms were disinfected because of infectious disease, 477 as a result of pulmonary tuberculosis, and 78 rooms were verminous. In addition to these, scabies occurred in 974 families and their bedding was taken away and disinfected with steam.

Total number of Intimations served for all purposes 10,837

Overcrowding.—

Number of Inspections	12,009
Number of dwelling rooms overcrowded	93
Number of Notices served (Intimations)	91
" " " (Statutory Notices)	36
Number remedied	93
Number of Prosecutions	—

Underground Rooms.—

Illegal occupation dealt with during the year	5
Number of rooms closed or use discontinued.	5

Insanitary Houses.—

Number closed under the Public Health (London) Act, 1891	10
Number closed under the Housing and Town Planning Act	—

London County Council (General Powers) Act, 1903, Part 8.—

Number of prosecutions for breach of bye-laws as to conveyance of dead horses through the street	—
---	---

London County Council (General Powers) Act, 1904.—

Number of verminous rooms cleansed (Section 20)	1,979
Number of filthy articles purified (Section 19)	6
Number of sanitary conveniences altered (Section 22)	—
Number of sanitary conveniences removed (Section 22)	—
Number of fixed ashpits removed (Section 23)	2

London County Council (General Powers) Act, 1907.—

Number of tenement houses dealt with as regards water supply (Section 73)	—
--	---

Shelters provided under Section 60 (4) of the Public Health (London) Act, 1891.—

Number of persons accommodated during the year	67
---	----

Places where food is prepared for sale.—

Number on Register	412
Number of Inspections	907
Number of Notices served (Intimations)	91
" " " (Statutory Notices)	13

Revenue Acts.—

Number of houses for which applications were received during the year	—
Number of tenements comprised therein	—
Number of tenements for which certificates were granted	—

Number of Prosecutions under Bye-laws under Public Health (London) Act, 1891—

(a) For prevention of nuisance arising from snow, ice, salt, filth, etc....	—
(b) For prevention of nuisance arising from offensive matter running out of any manufactory, etc.	—
(c) For the prevention of keeping animals in such a manner as to be injurious to health	—
(d) As to paving of yards, etc., of dwelling-houses	—
(e) In connection with the removal of offensive matter, etc.	5
(f) As to cesspools and privies, removal and disposal of refuse, etc. ...	—
(g) For securing the cleanliness of tanks, cisterns, etc.	—
(h) With respect to water-closets, earth-closets, etc.	—
(i) With respect to sufficiency of water supply to water-closets ...	—
(j) With respect to drainage, etc. (Metropolis Local Management Act, Section 202)	—
(k) With respect to deposit of plans as to drainage, etc. (Metropolis Local Management Acts Amendments (Bye-laws) Act, 1899 ...	—

House to House—

Inspections	2,517
Defects	1,513
Intimations	1,306
Statutory Notices	568

Mortuaries—

Total number of bodies removed	351
Total number of infectious bodies removed	11

TOTAL FINES AND COSTS.

	Fines.			Costs.		
	£	s.	d.	£	s.	d.
Under the Public Health (London) Act, for various nuisances	53	0	0	64	4	0
Margarine Acts	5	0	0	8	18	0
Horseflesh Act	10	0	0	—		
London County Council (General Powers) Act, 1904	9	0	0	3	3	0
London County Council (General Powers) Act, 1908	5	0	0	7	7	0
Food and Drugs Acts	35	0	0	63	13	0
Unsound Food	10	0	0	5	5	0
Factory and Workshops Acts	2	10	0	2	2	0
Milk and Cream Regulations	50	0	0	3	3	0
Rag Flock Act	10	0	0	2	2	0
Total	£189	10	0	£159	17	0

Table showing the number of milk premises, ice cream premises, etc. together with the number of inspections made to them.

PREMISES.	NUMBER OF PLACES.				Number of inspections.	Number of notices.	Number of prosecutions.
	No. on register at end of 1918.	No. added in 1919.	No. removed in 1919.	No. on register at end of 1919.			
Milk premises	433	14	34	413	1,422	39	—
Cowsheds	27	—	—	27	63	1	—
Slaughter houses	4	—	—	4	10	—	—
Other offensive trade premises ...	7	—	—	7	28	—	—
Ice cream premises	94	9	4	99	191	18	—
Registered houses let in lodgings...	2,529	—	17	2,512	3,785	(a) 26 (b) 1,794	(a)— (b)—

(a) For overcrowding.

(b) For other conditions.

Factories and Workshops.

The total number of workshops on the Register was 3,052 ; but this does not include factories, workplaces and out-workers' premises.

4,196 inspections to factories, workshops and workplaces revealed defects, which necessitated the service of 1,187 written notices. 41 of the notices referred to factories, 1,139 to workshops including workshop laundries, and 7 to workplaces other than out-workers' premises.

Cleanliness.—673 notices were served to cleanse workshops.

Ventilation.—The ventilation of 42 workshops was improved.

Overcrowding.—Overcrowding was abated in 18 workshops.

Sanitary Accommodation.—The sanitary accommodation was improved in 240 workshops by providing additional and suitable water-closets.

231 other nuisances were remedied in workshops.

Out-workers' Premises.—1,835 inspections were made to out-workers' premises during the year ; 198 premises were found to be insanitary, and 85 cases of notifiable infectious diseases occurred therein.

A large percentage of addresses of out-workers was found to be incorrect, and on their being visited by the Sanitary Inspectors, it was found that the occupiers had either left the premises some considerable time previously, or had never lived there at all.

Police Court Proceedings under the Factory and Workshops Act, 1901.

On January 12th, 1920, Mr. Barnet Zelzer, of 134, Commercial Street, was summoned for failing to make a return of outworkers for August, 1919.

He was fined 10s. with 2ls. costs.

On January 12th, 1920, Mr. Barnet Zelzer, of 134, Commercial Street, was summoned for failing to have a list of out-workers affixed on the premises.

He was fined £2 with 2ls. costs.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES AND HOMEWORK.
1.—INSPECTIONS.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecutions. (4)
Factories (Including Factory Laundries)	486	41	..
Workshops (Including Workshop Laundries)	3,641	1,139	..
Workplaces (Other than Outworkers' premises)	69	7	..
Totals	4,196	1,187	..

2.—DEFECTS FOUND.

Particulars.	Number of Defects			Number of Prosecutions.	
	Found.	Remedied.	Referred to H.M. Inspector.		
(1)	(2)	(3)	(4)	(5)	
<i>Nuisances under the Public Health Acts :—*</i>					
Want of cleanliness	673	673	..	..	
Want of ventilation	42	42	..	..	
Overcrowding	18	18	..	..	
Want of drainage of floors	2	2	..	..	
Other nuisances	231	231	..	..	
Sanitary Accommodation {	insufficient	41	41	..	..
	unsuitable or defective	165	165	..	..
	not separate for sexes	34	34	..	..
<i>Offences under the Factory and Workshop Acts :—</i>					
Illegal occupation of underground bake-house (S. 101)	..	..	..	..	
Breach of special sanitary requirements for bakehouses (SS. 97 to 100)	23	23	..	..	
Other offences	3	3	..	..	
(Excluding offences relating to outwork which are included in Part 3 of this report.)					
Totals	1,232	1,232	..	..	

* Including those specified in Sections 2, 3, 7 and 8, of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

3.—HOME WORK.

NATURE OF WORK.	OUTWORKERS' LISTS. SECTION 107.									OUTWORK IN UN- WHOLESOME PREMISES, SECTION 108.			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.			
	Lists Received from Employers.						Notices served on Occupiers as to keeping or sending lists.	Prosecutions.			Instances.	Notices served.	Prosecutions.	Instances.	Orders made (S. 110).	Prosecutions (Sections 109, 110).
	Twice in the Year.			Once in the Year.				Failing to keep or per- mit inspec- tion of Lists.	Failing to send Lists.							
	Lists.	Outworkers.		Lists.	Outworkers.											
		Con- tractors.	Work- men.		Con- tractors.	Work- men.										
Wearing Apparel— (1) Making, &c. (2) Cleaning and Washing Household linen Lace, lace curtains and nets Curtains and furniture hangings Furniture and upholstery . . . Electro plate File making Brass and brass articles . . . Fur pulling (Furriers) Cables and chains Anchors and grapnels Cart gear Locks, latches and keys . . . Umbrellas, &c. Artificial flowers Nets, other than wire nets . . Tents Sacks Racquet and tennis balls . . . Paper, etc., boxes, paper bags . Brush making Pea picking Feather sorting Carding, &c., of buttons, &c. . Stuffed toys Basket making Chocolates and sweetmeats . . Cosaques, Christmas crackers, Christmas stockings, &c. . . Textile weaving	190 2 4 4 .. 12 4 ..															

4.—REGISTERED WORKSHOPS.

Workshops on the Register (S. 131) at the end of the year 1919. (1)	Number. (2)
Bakehouses	163
Boot, Shoe and Slipper Making	152
Cabinet Making	113
Furriers	126
Hat and Cap Manufacturers	102
Miscellaneous	434
Laundries	12
Rag Sorting, etc... .. .	73
Wearing Apparel (Tailors, Milliners, Dressmakers, etc., etc.)	1,877
Total	3,052

5.— OTHER MATTERS.

Class. (1)	Number. (2)
Matters notified to H.M. Inspector of Factories:—	
Failure to affix Abstract of the Factory and Workshop Acts (S. 133, 1901)	8
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts (S. 5, 1901))	673
Notified by H.M. Inspector	
Reports (of action taken) sent to H.M. Inspector.	597
Other	76
Underground Bakehouses (S. 101):—	
Certificates granted during the year	..
In use at the end of the year	59

Public Analyst's Annual Report.

During the year 1,175 samples were submitted by the Inspectors of the Department for examination under the Sale of Food and Drugs Acts, consisting of:— 665 Milks, 59 Butters, 54 Margarines, 2 Lards, 25 Drippings, 2 Cheeses, 1 Beef Suet, 22 Cocoas, 63 Coffees, 17 Mustards, 80 Peppers, 18 Vinegars, 1 Flour, 4 Oatmeals, 4 Rices, 1 Ground Almonds, 1 Jam, 1 Baking Powder, 5 Beers, 1 Brandy, 11 Gins, 8 Rums, 119 Whiskies, 1 Liquorice Powder.

70 samples or 6·0 per cent. were found to be adulterated. These consisted of 57 Milks, 7 Butters, 1 Margarine, 1 Dripping, 1 Beef Suet, 1 Mustard, 2 Whiskies.

Proceedings were taken in 38 cases.

The total fines secured on the prosecutions were £35.

Total costs allowed £63 13s.

The average fine on the prosecutions was 18s. 5d.

In addition there were 6 prosecutions under the Margarine Acts resulting in £5 fines and £8 18s. costs, and 1 prosecution under the Milk and Cream Regulations resulting in £50 fine and £3 3s. costs.

SUNDAY SAMPLES.

83 samples were purchased on 15 Sundays during the year, consisting of:— 69 Milks, 2 Butters, 1 Margarine, 4 Coffees, 6 Peppers, 1 Drug. 3 Milks were adulterated and 1 prosecution resulted.

PRESERVATIVES.

All samples of Milk and Butter were tested for preservatives. 2 samples of Milk contained a Boron preservative, and in one case proceedings were taken under the Milk and Cream Regulations in respect of this. 8 samples of Butter contained small quantities of Boron preservative.

UNOFFICIAL SAMPLES.

The number of unofficial samples analysed during the year was 68:—15 milks, 2 condensed milks, 10 butters, 2 margarines, 4 cheeses, 2 flours, 4 sugars, 3 cakes, 1 baking powder, 5 chocolates, 1 lemonade, 1 vinegar, 1 sausage, 2 acetic acids, 3 disinfectants, 2 lubricating oils, 4 spirits, and 6 rag flocks.

STATISTICS OF ADULTERATION.

Nature of Sample.	Number examined.	Number adulterated.	Number of Prosecutions.	Percentage of adulterations.	Percentage of Prosecutions.
Milk	665	57	33	8.6	4.9
Butter	59	7	1	11.9	1.7
Margarine	54	1	—	1.8	—
Lard	2	—	—	—	—
Dripping	35	1	—	2.8	—
Cheese	2	—	—	—	—
Beef Suet	1	1	1	100.0	100.0
Cocoa	22	—	—	—	—
Coffee	63	—	—	—	—
Mustard	17	1	1	5.9	5.9
Pepper	80	—	—	—	—
Vinegar	18	—	—	—	—
Flour	1	—	—	—	—
Oatmeal	4	—	—	—	—
Rice	4	—	—	—	—
Almonds, Ground	1	—	—	—	—
Jam	1	—	—	—	—
Baking Powder	1	—	—	—	—
Beer	5	—	—	—	—
Brandy	1	—	—	—	—
Gin	11	—	—	—	—
Whisky	119	2	2	1.7	1.7
Rum	8	—	—	—	—
Liquorice Powder	1	—	—	—	—
Total	1,175	70	38	6.0	3.2

STATISTICS OF ADULTERATION IN THE VARIOUS DISTRICTS.

District.	Number examined.	Number adulterated.	Number of Prosecutions.	Percentage of adulterations.	Percentage of Prosecutions.
Whitechapel	315	8	5	2.5	1.6
St. George's	261	19	7	7.3	2.7
Limehouse	197	13	8	6.6	4.1
Mile End... ..	402	30	18	7.5	4.5
Total	1,175	70	38	6.0	3.2

RESULT OF INSPECTORS' WORK UNDER THE SALE OF FOOD AND DRUGS ACTS.

INSPECTOR.	Samples taken.	Number Adulterated.	Number of Prosecutions.	Fines Secured.	Costs Allowed.
				£ s. d.	£ s. d.
Cook	78	2	1	—	—
Crook	102	7	6	5 0 0	5 4 0
Dee	42	—	—	—	—
Flint	72	5	1	—	2 2 0
Johnson ...	72	4	2	—	4 4 0
Mills	73	4	3	5 0 0	4 4 0
Pavitt... ..	100	6	4	—	21 0 0
Quaintrell ...	52	8	3	3 0 0	5 5 0
Shepherd ...	72	—	1	—	—
Simpson ...	100	8	6	5 0 0	4 4 0
Stiles	72	3	1	—	5 5 0
Twaits	100	3	1	—	2 4 0
Waterman ...	73	10	3	15 0 0	5 15 0
White	75	10	6	2 0 0	4 6 0
Wrack... ..	92	—	—	—	—
Total	1,175	70	38	35 0 0	63 13 0

Warranty Defence.

The warranty defence was successfully pleaded in 17 prosecutions under the Food and Drugs Acts, during the year.

**Police Court Proceedings under the Milk and Cream
Regulations.**

On October 13th, 1919, Mr. Elias Harris, of 167, Oxford Street, was summoned for selling Milk containing 56 grains of boracic acid per gallon.

He was Fined £50 with £3 3s. costs.

I beg to express my indebtedness to the Sanitary Inspectors and Clerical Staff for the manner in which they have assisted me in carrying out the duties of my office.

I have the honour to be,

MR. MAYOR, LADIES AND GENTLEMEN,

Your obedient servant,

D. L. THOMAS,

Medical Officer of Health and Public Analyst.

PUBLIC HEALTH OFFICES,
WHITE HORSE STREET,
COMMERCIAL ROAD, E.1.

June, 1920.

**TABLES OF STATISTICS OF THE BOROUGH DURING 1919
AND PREVIOUS YEARS.**

Area of Borough in acres (land and inland water) ..			1,765.6
Total population of all ages	279,804	} At Census of 1911.	
No. of inhabited houses	36,217		
Average number of persons per house	7.7		
Total families or separate occupiers ..	56,949		



SANITARY INSPECTORS' REPORT.

	BOTTOMLEY.	COOK.	CHOOK.	DEE.	FLINT.	HARRIS.	JOHNSON.	MILLS.	PAVITT.	QUAINTELL.	SHEPHERD.	SIMPSON.	STILES.	TWATTS.	WATERMAN.	WHITE.	WRACK.	TOTALS.
Number of Inspections—																		
House to house	69	57	69	128	237	..	105	66	237	56	144	120	202	333	162	212	320	2517
Miscellaneous	1507	2935	925	1298	1696	1337	1462	1898	1127	535	1639	1301	1522	1322	1620	1713	1220	25058
Complaints	644	346	275	133	147	111	118	372	410	86	178	280	239	335	110	123	424	4331
Infectious diseases	67	230	293	104	159	..	207	191	278	228	69	238	153	346	271	194	164	3192
Visits to Cases of Consumption	41	186	154	37	76	..	64	84	55	49	33	62	83	91	91	48	118	1272
Intimations served	254	456	692	486	645	545	824	853	808	289	481	992	1115	649	746	564	458	10837
Statutory notices served	62	319	498	403	383	219	620	693	746	91	303	726	599	610	90	435	296	7093
Houses re-visited	2567	2371	2415	1977	2039	1705	4238	2456	3513	768	2326	3740	3090	2811	2955	2527	2657	44135
Summonses taken out under the Public Health (London) Act, 1891	1	2	2	2	4	2	4	2	17	1	..	1	..	7	3	1	..	49
Samples taken under the Food & Drugs Acts	..	78	102	42	72	..	72	73	100	52	72	100	72	100	73	75	92	1175
Summonses	..	1	6	..	1	..	2	3	4	3	1	6	1	1	3	6	..	38
Houses or parts of houses cleansed	159	264	230	276	312	215	458	294	301	270	250	351	227	333	521	203	164	4828
Water supply to houses reinstated	1	3	5	4	..	..	5	5	8	19	1	11	2	7	24	3	3	99
Drains constructed and reconstructed	..	14	28	5	6	..	13	1	20	2	7	18	3	22	29	5	13	186
„ cleansed and repaired	6	52	96	32	40	7	139	36	130	60	15	98	76	83	91	57	66	1104
„ trapped	..	52	22	3	38	..	104	13	26	..	6	3	3	53	13	24	23	377
New soil pipes fixed and ventilated	..	15	4	1	3	..	16	..	3	..	2	2	3	2	6	2	8	67
New closet pans and traps fixed	3	47	45	38	27	4	129	20	51	14	13	58	10	47	37	19	33	595
Closets provided with a water supply and flushing apparatus	2	75	55	72	47	27	152	126	57	38	67	151	145	83	156	33	50	1336
Closets provided with light and ventilation	..	3	8	2	4	..	37	2	..	1	..	..	..	14	..	2	3	76
„ cleansed and repaired	62	107	145	83	120	140	177	276	33	70	76	155	138	82	164	10	77	1924
Yards cleansed, repaved, or paving repaired	56	49	58	43	42	57	122	75	135	75	16	108	41	96	105	30	13	1121
Wash-houses, forecourts, areas, &c., paved	..	4	20	7	6	..	65	2	28	8	..	4	1	15	10	10	4	184
Sanitary dust receptacles provided	86	45	45	128	42	34	198	94	108	119	30	182	65	170	120	34	46	1546
Sink, bath, and lavatory pipes and rain-water pipes disconnected	..	3	3	3	1	..	15	1	2	4	..	6	1	5	20	2	4	70
Houses ventilated under lower floor	..	3	9	3	..	..	3	4	6	..	..	5	..	14	2	2	..	51
Miscellaneous repairs, viz.: roofs, floors, gutters, &c.	132	387	378	368	440	235	1047	370	475	484	273	604	859	652	522	334	233	7763
Overcrowding in dwellings abated	2	19	4	4	5	6	8	8	2	5	5	3	2	4	7	7	2	93
Illegal occupation of underground rooms discontinued	..	2	..	..	1	..	..	..	..	..	..	..	..	1	1	..	..	6
Manure receptacles provided or reconstructed	..	3	..	2	..	..	1	..	..	..	1	2	..	1	1	1	..	12
Offensive accumulations removed	6	47	13	37	10	16	9	120	7	16	87	6	..	7	21	4	78	484
Bakehouses inspected	..	22	30	4	22	..	52	30	10	22	18	24	27	..	14	10	22	307
„ cleansed	..	22	12	8	22	..	19	30	10	22	18	24	30	..	14	10	22	263
Smoke nuisances abated	..	..	1	6	2	..	3	..	3	..	..	4	..	..	..	2	..	21
Animals kept so as to constitute a nuisance removed	1	11	11	2	6	1	..	15	11	5	5	4	5	2	..	3	1	84
Damp walls remedied	5	21	46	93	36	12	65	74	35	24	20	2	59	50	84	35	17	678
Cisterns cleansed and covered	..	3	..	..	..	1	..	3	1	..	..	5	..	1	2	4	..	20
Urinals fixed	..	1	..	..	..	..	2	..	1	..	..	14	..	..	..	..	..	18
Open fires in yards abolished	..	5	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	7
Canal Boats inspected	..	..	..	..	..	..	50	..	..	..	..	..	..	..	..	..	..	50
Areas and stables paved and drained	..	2	..	2	1	..	..	..	..	..	..	..	..	2	..	..	..	7
Occupation of shed as dwelling discontinued	..	..	..	..	..	25	..	..	..	..	..	..	..	..	..	..	..	25
Light and ventilation provided to rooms	..	..	13	2	..	20	1	..	..	..	..	..	..	..	91	..	..	127

Cases of Infectious Disease notified during the Year.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.								TOTAL CASES NOTIFIED IN EACH LOCALITY.				Total cases removed to Hospital.
	At all Ages.	At Ages—Years.							1.	2.	3.	4.	
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.	Lime-house.	St. George's.	Mile End.	White-chapel.	
Small-pox	1	..	..	1	..	..	..	..	..	..	..	1	1
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Membranous Croup) ..	710	24	271	324	62	28	1	..	132	155	287	136	696
Erysipelas	217	11	12	26	29	59	54	26	45	41	67	64	39
Scarlet Fever	988	13	286	641	36	12	..	..	188	294	283	223	972
Typhus Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever	30	..	1	15	6	8	..	..	13	1	5	11	25
Relapsing Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	1	..	..	1	..	..	..	..	..	..	..	1	1
Puerperal Fever	12	..	..	..	6	6	..	..	..	..	8	4	12
Cerebro-spinal Meningitis ..	12	7	4	..	1	..	..	..	2	4	2	4	12
Poliomyelitis	1	1	..	..	..	..	..	..	1	..	..	..	1
Ophthalmia Neonatorum ..	30	30	..	..	..	..	..	..	11	4	9	6	10
Pulmonary Tuberculosis ..	758	..	15	135	131	298	163	16	125	139	281	213	280
Other forms of Tuberculosis ..	207	2	29	104	31	23	16	2	48	32	85	42	25
Measles and German Measles ..	855	45	464	329	12	5	..	..	232	132	378	113	22
Encephalitis Lethargica ..	6	..	..	3	1	1	1	..	1	..	3	2	3
Totals	3828	133	1082	1579	315	440	235	44	798	802	1408	820	2099

Causes of, and Ages at Death during the year.

Metropolitan Borough of Stepney.

CAUSES OF DEATH.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and up- wards.	All ages.
Enteric Fever	..	..	..	1	2	3	..	..	6
Small Pox	..	..	..	..	..	..	..	..	..
Measles	..	9	4	1	..	..	..	..	14
Scarlet Fever	..	2	3	4	..	..	..	..	9
Whooping Cough	8	3	2	2	..	..	..	..	15
Diphtheria and all deaths from Croup (except "Spasmodic," "False," "Stridulous" and "Catarrhal")	4	7	21	11	..	..	..	..	43
Influenza	4	3	5	7	21	53	51	37	181
Erysipelas	2	..	..	..	..	1	1	4	8
Cerebro-Spinal Fever	4	1	..	..	1	..	..	..	6
Typhus Fever	..	..	..	..	..	..	..	..	..
Continued Fever	..	..	..	..	..	..	..	..	..
Dysentery	..	..	..	..	..	..	2	..	2
Glanders	..	..	..	..	..	..	..	..	..
Anthrax	..	..	..	..	..	..	..	..	..
Lead Poisoning	..	..	..	..	..	..	..	..	..
Phthisis (pulmonary tuberculosis)	..	..	4	11	58	142	131	21	367
Tuberculous Meningitis (Acute Hydrocephalus)	1	3	13	4	3	1	2	..	27
Other Tuberculous Diseases	3	7	..	5	2	4	2	..	23
Rheumatic Fever	..	..	..	2	..	1	1	1	5
Cancer, malignant disease (Sarcoma, Rodent Ulcer, &c.)	1	..	..	..	2	29	123	79	234
Bronchitis	29	6	4	1	2	23	167	215	447
Broncho-Pneumonia	42	25	18	8	5	18	34	25	175
Pneumonia (all other forms)	8	14	15	8	13	45	62	42	207
Other diseases of respiratory organs	1	3	..	..	1	2	11	3	21
Diarrhoea and Enteritis (all deaths from diarrhoea, except those secondary to some well-defined disease)	89	15	5	2	..	1	5	8	125
Appendicitis and Typhilitis	..	..	1	11	6	2	..	..	20
Alcoholism, Delirium Tremens, Acute and Chronic Alcoholism (but not those from Organic Disease due to Alcoholism)	..	..	..	..	..	..	1	..	1
Cirrhosis of Liver	..	..	..	..	..	1	7	3	11
Nephritis and Bright's Disease	..	1	1	1	1	15	44	24	87
Puerperal Fever (Pyæmia, Septicæmia, Pelvic Peritonitis, Peri- and Endo-Metritis occurring in the Puerperium)	..	..	..	..	1	5	..	..	6
Other accidents and diseases of Pregnancy and Parturition	10	..	..	..	2	4	..	..	16
Congenital Debility and Malformation, including Premature Birth, Atrophy, Maras- mus, want of Breast Milk, but not from Atelectasis	193	..	..	..	..	..	..	..	193
Violent Deaths, excluding Suicide	10	3	8	22	10	9	26	36	124
Suicides	..	..	..	..	..	3	5	5	13
Heart Disease	3	..	2	5	19	44	108	138	319
Old Age	..	..	..	..	..	..	2	152	154
Other Defined Diseases	17	7	9	19	31	68	177	130	458
Diseases ill-defined or unknown	3	2	2	1	..	2	1	2	13
Encephalitis Lethargica	..	..	..	..	..	1	..	..	1
TOTALS	432	111	117	126	180	477	963	925	3,331

ing the year.

	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and up- wards.	All ages.
Enteric Fever	2	3	..	..	6
Small Pox ..	..	..	..	..	..
Measles ..	..	..	..	..	14
Scarlet Fever	..	..	..	..	9
Whooping Co	..	..	..	..	15
Diphtheria an					
" Spasmodi					
" Catarrhal	..	..	..	..	43
Influenza ..	21	53	51	37	181
Erysipelas ..	..	1	1	4	8
Cerebro-Spina	1	..	..	..	6
Typhus Fever	..	..	..	..	..
Continued Fe	..	..	..	..	..
Dysentery ..	..	..	2	..	2
Glanders ..	..	..	..	..	..
Anthrax ..	..	..	..	..	..
Lead Poisonin	..	..	..	..	..
Phthisis (puln	58	142	131	21	367
Tuberculous M	3	1	2	..	27
Other Tubercu	2	4	2	..	23
Rheumatic Fe	..	1	1	1	5
Cancer, malig					
Ulcer, &c.)	2	29	123	79	234
Bronchitis ..	2	23	167	215	447
Broncho-Pne	5	18	34	25	175
Pneumonia (al	13	45	62	42	207
Other diseases	1	2	11	3	21
Diarrhoea an					
diarrhoea, e					
well-defined	..	1	5	8	125
Appendicitis a	6	2	..	..	20
Alcoholism, l					
Chronic Al					
Organic Dis	..	..	1	..	1
Cirrhosis of Li	..	1	7	3	11
Nephritis and	1	15	44	24	87
Puerperal Fev					
Peritonitis, l					
in the Puerp	1	5	..	..	6
Other accident					
Parturition	2	4	..	..	16
Congenital					
including P					
mus, want					
Atelectasis	..	..	..	..	193
Violent Death	10	9	26	36	124
Suicides ..	..	3	5	5	13
Heart Disease	19	44	108	138	319
Old Age ..	..	..	2	152	154
Other Defined	31	68	177	130	458
Diseases ill-de	..	2	1	2	13
Encephalitis L	..	1	..	..	1
	180	477	963	925	3,331

Infant Mortality.

LIMEHOUSE DIVISION.

Nett Deaths from stated Causes at various Ages under
One Year of Age.

CAUSE OF DEATH.				Under 1 week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
All Causes.	Certified	..	..	..	..	..	..	..	..	..	..	..	..
	Uncertified	..	..	..	..	..	..	..	..	..	..	..	..
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	2	2
Diphtheria and Croup	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	1	1
Meningitis (<i>not Tuberculous</i>)	..	..	..	..	..	..	..	..	1	1	1	1	3
Convulsions	..	..	..	1	..	..	..	1	3	1	..	..	5
Laryngitis	..	..	..	..	..	..	..	..	..	1	..	..	1
Bronchitis	..	..	..	..	..	..	..	..	4	2	1	..	7
Pneumonia (all forms)	..	..	..	..	..	..	..	..	5	4	4	2	15
Diarrhoea	..	..	..	..	1	..	..	1	4	7	6	4	22
Enteritis	..	..	..	..	..	..	..	..	..	..	1	..	1
Gastritis	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	2	..	..	..	2
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..
Suffocation, overlying	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury at Birth	..	..	..	2	..	..	..	2	..	..	..	..	2
Atelectasis	..	..	..	2	..	..	..	2	..	..	..	..	2
Congenital Malformations	..	..	..	3	1	..	..	4	..	..	..	..	4
Premature Birth	..	..	..	8	4	1	2	15	1	..	..	..	16
Atrophy, Debility and Marasmus	..	..	..	2	1	1	..	4	2	3	..	..	9
Other causes	..	..	..	..	1	..	..	1	..	..	2	..	3
Cerebro Spinal Fever	..	..	..	..	..	..	..	..	..	..	1	..	1
TOTALS				18	8	2	2	30	21	19	16	10	96

Infant Mortality.

ST. GEORGE'S DIVISION.

Nett Deaths from stated Causes at various Ages under
One Year of Age.

CAUSE OF DEATH.				Under 1 week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
All Causes.	Certified	..	..	..	..	..	..	..	..	..	..	..	..
	Uncertified	..	..	..	..	..	..	..	..	..	..	..	..
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and Croup	..	..	..	..	..	..	..	..	..	..	..	2	2
Erysipelas	..	..	..	..	..	..	..	..	1	..	..	..	1
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	..	1	..	1
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (<i>not Tuberculous</i>)	..	..	..	..	..	..	..	..	..	1	..	..	1
Convulsions	..	..	..	1	1	..	..	2	1	1	..	2	6
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis	..	..	..	..	..	..	..	..	..	2	1	1	4
Pneumonia (all forms)	..	..	..	1	..	..	..	1	2	1	2	..	6
Diarrhoea	..	..	..	..	..	1	1	2	5	7	4	3	21
Enteritis	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	1	..	..	1
Rickets	..	..	..	..	..	..	..	..	..	..	..	1	1
Suffocation, overlying	..	..	..	..	..	..	1	1	1	..	1	..	3
Injury at Birth	..	..	..	2	..	..	..	2	..	..	..	..	2
Atelectasis	..	..	..	..	1	..	..	1	..	..	..	..	1
Congenital Malformations	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature Birth	..	..	..	17	9	1	2	29	1	..	..	..	30
Atrophy, Debility and Marasmus	..	..	..	..	..	..	..	..	3	3	..	..	6
Other causes	..	..	..	1	..	..	..	1	..	..	..	1	2
Cerebro Spinal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS				22	11	2	4	39	14	16	9	10	88

Infant Mortality.

MILE END DIVISION.

Nett Deaths from stated Causes at various Ages under
One Year of Age.

CAUSE OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
All Causes.	{	Certified		..	..	..	..	..	..	..	..	..	..
		Uncertified		..	..	..	..	..	..	..	..	..	..
Small-pox				..	..	..	..	..	..	..	..	..	..
Chicken-pox				..	..	..	..	..	..	..	..	..	..
Measles				..	..	..	..	..	..	..	..	..	..
Scarlet Fever				..	..	..	..	..	..	..	..	..	..
Whooping Cough				..	..	..	..	..	2	2	1	..	5
Diphtheria and Croup				..	..	..	..	..	..	..	..	1	1
Erysipelas				..	..	..	..	..	1	..	..	..	1
Tuberculous Meningitis				..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis				..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases				..	..	..	..	..	..	..	1	..	1
Meningitis (<i>not Tuberculous</i>)				..	..	..	..	..	..	..	1	..	1
Convulsions				..	1	1	..	2	..	1	..	..	3
Laryngitis				..	..	..	..	..	..	..	..	..	..
Bronchitis				..	..	..	1	1	5	3	3	3	15
Pneumonia (all forms)				1	2	..	..	3	4	4	2	6	19
Diarrhoea				1	3	..	1	5	6	6	5	4	26
Enteritis				..	..	..	..	..	..	..	..	..	..
Gastritis				..	..	..	..	..	..	..	..	..	..
Syphilis				1	..	..	..	1	1	1	..	..	3
Rickets				..	..	..	..	..	..	..	..	1	1
Suffocation, overlying				..	..	..	..	..	..	1	..	..	1
Injury at Birth				5	..	..	..	5	..	..	..	..	5
Atelectasis				2	..	..	1	3	..	..	..	..	3
Congenital Malformations				6	2	1	..	9	2	..	..	..	11
Premature Birth				27	3	4	1	35	..	..	1	..	36
Atrophy, Debility and Marasmus				4	1	2	3	10	5	3	1	..	19
Other causes				3	..	1	1	5	3	1	..	2	11
Cerebro Spinal Fever				..	..	..	..	..	..	1	..	1	2
TOTALS ..				50	12	9	8	79	29	23	15	18	164

Infant Mortality.

WHITECHAPEL DIVISION.

Nett Deaths from stated Causes at various Ages under
One Year of Age.

CAUSE OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
All Causes.	Certified	..	..	..	..	..	..	..	..	..	..	..	..
	Uncertified	..	..	..	..	..	..	..	..	..	..	..	..
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	1	..	..	..	1
Whooping Cough	..	..	..	..	..	..	..	..	..	..	1	..	1
Diphtheria and Croup	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	1	1	3
Meningitis (not Tuberculous)	..	..	..	..	..	1	..	1	1	..	..	1	2
Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..
Laryngitis	..	..	..	..	..	..	..	..	..	1	2	..	3
Bronchitis	..	..	..	..	..	..	..	..	..	2	2	4	8
Pneumonia (all forms)	..	..	..	..	..	1	2	4	4	7	5	2	22
Diarrhoea	..	..	..	..	1	..	1	2	4	..	..	..	..
Enteritis	..	..	..	..	..	..	..	..	..	1	..	..	1
Gastritis	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	1	..	1
Rickets	..	..	..	..	..	..	..	..	1	1	..	..	2
Suffocation, overlying	..	..	..	..	..	..	..	..	..	..	..	..	2
Injury at Birth	..	..	..	..	2	..	..	2	..	..	..	..	3
Atelectasis	..	..	..	..	3	..	..	3	..	..	..	..	..
Congenital Malformations	..	..	..	..	1	1	..	2	2	1	..	..	5
Premature Birth	..	..	..	..	16	2	1	19	..	..	..	..	19
Atrophy, Debility and Marasmus	..	..	..	..	1	..	1	2	1	3	..	1	7
Other causes	..	..	..	..	1	..	..	1	1	..	1	..	3
Cerebro Spinal Fever	..	..	..	..	..	..	..	..	..	..	1	..	1
TOTALS	..	..	..	..	24	3	4	3	34	11	16	14	84

Infant Mortality.

Nett Deaths from stated Causes at various Ages under One Year of Age for the whole Borough.

CAUSE OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year
All Causes.	Certified	..	..	..	..	..	..	..	..	..	..	..	..
	Uncertified	..	..	..	..	..	..	..	..	..	..	..	..
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and Croup	..	..	..	..	..	..	..	..	..	1	3	4	4
Whooping Cough	..	..	..	..	..	..	..	..	3	2	1	2	8
Diarrhoea	..	..	..	2	4	2	4	12	19	27	20	13	91
Enteritis	..	..	..	..	..	..	..	..	..	1	..	..	1
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	1	..	..	1
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	1	1	2	2
Congenital Malformations	..	..	..	9	4	2	..	15	4	1	..	..	20
Premature Birth	..	..	..	68	18	7	5	98	2	..	1	..	101
Atrophy, Debility and Marasmus	..	..	..	7	2	3	4	16	11	12	1	1	41
Atelectasis	..	..	..	7	1	..	1	9	..	..	..	..	9
Injury at Birth	..	..	..	11	..	..	..	11	..	..	..	..	11
Erysipelas	..	..	..	..	..	..	..	..	2	..	..	..	2
Syphilis	..	..	..	1	..	..	..	1	3	2	..	..	6
Rickets	..	..	..	..	..	..	..	..	..	1	2	3	3
Meningitis (<i>not Tuberculous</i>)	..	..	..	..	..	1	..	1	..	2	3	2	8
Convulsions	..	..	..	2	2	1	..	5	5	3	..	3	16
Gastritis	..	..	..	..	..	..	..	..	..	1	..	..	1
Laryngitis	..	..	..	..	..	..	..	..	..	1	..	..	1
Bronchitis	..	..	..	..	..	..	1	1	9	8	7	4	29
Pneumonia (all forms)	..	..	..	2	2	..	..	4	11	11	10	12	48
Suffocation, overlying	..	..	..	..	..	..	1	1	2	2	1	..	6
Other causes	..	..	..	5	1	1	1	8	4	1	3	3	19
Cerebro Spinal Fever	..	..	..	..	..	..	..	..	..	1	2	1	4
TOTALS	..	..	..	114	34	17	17	182	75	74	54	47	432

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