

Report on the sanitary condition of the Metropolitan Borough of Hackney for the year 1920.

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Metropolitan Borough of Hackney.

REPORT

ON THE

SANITARY CONDITION

OF THE METROPOLITAN BOROUGH OF HACKNEY

FOR THE YEAR 1920,

BY

G. H. DART,

M.D., M.R.C.P., Edin. ; D.P.H., D.T.M. & H., Camb.

Medical Officer of Health.

Administrative Maternity and Child Welfare Officer.

Executive Tuberculosis Officer.

LONDON :

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1921.



THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 435

INDEX.

	PAGE
Canal Boats Acts, Report of Inspector	95
Cleansing of Persons Act, 1907	55
Constitutional Diseases	37
Cowhouses, Dairies and Milkshops	91
Disinfection	52
Food—	
Articles Surrendered to District Inspectors	88
Articles Purchased for Analysis	89
Prosecutions under Sale of Food and Drugs Acts	90
Report of Food Inspector	91
Housing—	
Public Health (London) Act, 1891	72
Housing Acts	79
Housing Scheme	71
Legal Proceedings	73
Verminous Premises	87
Work of Sanitary Inspectors (Table of Inspections)	96
Industrial Statistics—	
Factory and Workshop Act, 1901	79
Factories, Nuisances found	79
Factories, General Table of Inspections and Defects found	82
Workshops Inspected	82
Workshops, Analysis of Occupations	81
Home Workers	83
Outworkers	85
List of Industries	79
Infectious Diseases—	
Anthrax	34
Cerebro Spinal Meningitis	32
Continued Fever	31
Diarrhœa	35
Diphtheria	29
Diphtheria Anti-toxin	30
Dysentery	33
Encephalitis Lethargica	33
Enteric Fever	30
Erysipelas	31
Influenza	34
Malaria	33
Measles and German Measles	32
Ophthalmia Neonatorum	32
Plague	31
Pneumonia	33
Polio-Myelitis	32
Puerperal Fever	31

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Sanitary Inspectors.

R. H. ELLIS.	E. A. HILLIER.
R. H. BEW.	E. S. CROOK, also Canal Boats
W. C. VOBÉ.	Inspector.
A. SADLER.	J. E. TRUSLOVE.
H. BODY.	J. W. HALL.
G. F. HIGH.	G. FOWLER.
R. J. SHEPPARD.	A. J. BOBBITT (for Cowhouses,
C. F. LONG.	Milkshops, Slaughterhouses, &c.)
W. GOLDSWORTHY.	W. HARVEY (Temporary).
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Miss K. TEEBAY.	Mrs. L. E. BARTHOLOMEW.
Mrs. E. A. COWLEY.	Miss D. F. VIDAL.
Mrs. L. HARRISON.	Miss A. K. ROCHE.
Miss M. CHITSON.	

Miss G. M. SERVANTÉ }
Miss M. CLARKE } for Tuberculosis cases.

Medical Officers (Temporary Staff) Municipal Infant Welfare Centres.

ELIZABETH WILKS, M.D.	REGINALD BROWN, M.R.C.S., L.R.C.P.
J. H. PORTER, M.R.C.S., L.R.C.P.	

Tuberculosis Dispensary Medical Officers (Metropolitan and City of London Hospitals.)

L. UNWIN YOUNG, M.B.	H. TYLFORD HOWELL, M.R.C.S.
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Public Analyst—LEO TAYLOR, F.I.C.

Dust Inspectors.

E. J. TIETJEN.	T. SAUNDERS.
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Disinfecting Station and Shelter Cavetakers.

E. G. HASLER.	Mrs. E. HASLER.
---------------	-----------------

Mortuary Keeper—S. W. BOXELL.

Messenger—H. STOREY.

Clerical Staff.

J. D. WILDE.
A. HIGGINS.

P. A. HITCH.	V. WELHAM.
L. W. HARVEY.	H. C. BOWMAN.
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Medical Officer of Health.

G. H. DART, M.D., M.R.C.P. Edin., D.P.H., D.T.M. & H. Camb.

Metropolitan Borough of Hackney.

REPORT OF THE MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1920.

PUBLIC HEALTH DEPARTMENT,

TOWN HALL, HACKNEY, E.8.



*To the Mayor, Aldermen and Councillors
of the Metropolitan Borough of Hackney.*

MR. MAYOR, LADIES AND GENTLEMEN,

I have the honour to submit, in accordance with the instructions of the Ministry of Health, the Annual Report on the health of the Metropolitan Borough of Hackney for the year 1920.

The report is presented in the form and sequence of subjects suggested by the Ministry of Health; but before proceeding to a detailed description of the sanitary work of the Borough, a short statistical summary and a comparative table as regards the Death, Birth, Zymotic and Infantile Mortality Rates of Metropolitan Boroughs will be found convenient for immediate reference.

A comparative table for the Borough showing the Birth, Death and Infantile Mortality Rates for the past ten years is set out on page 25.

The birth-rate is 26·6 per 1,000 for Hackney, as compared with 26·5 for the whole of the County of London.

The Infantile Mortality Rate for the Borough, measured by the number of deaths under one year of age per thousand births registered, is 81 as compared with 85, the figure for last year, the Borough average during the last five years (1915 to 1919), is 96, and the figure for all London is 75, as compared with 85 in 1919.

The Maternity and Child Welfare Centres operating in Hackney are five in number ; three Municipal and two voluntary. The Municipal Infant Consultation Centres are open once weekly. One Voluntary Centre is open twice weekly, and the remaining Voluntary Centre is open once weekly. There are two Ante-natal Centres in the Borough, open once fortnightly, and two Day Nurseries are working in the Borough under voluntary control.

The Borough is divided for Health Visiting purposes into 11 districts, two of the districts being placed in the care of Voluntary Associations approved and partly financed by the Council ; the work of these Associations being in every particular co-ordinated, as regards Maternity and Child Welfare, with the work of the Public Health Department.

For particulars of Maternity and Child Welfare Work, see page 59.

The death-rate for Hackney is 12·7, as compared with 12·4 for the County of London, and is slightly higher than the death-rate of 15 of the Metropolitan Boroughs.

The Zymotic death-rate is 1·09, as compared with ·77, the figure for 1919, this increase being entirely due to the increased number of deaths from measles and whooping cough, the number of deaths from measles having increased by 73, and from whooping cough by 40 during 1920. In spite of the fact that the number of scarlet fever cases notified during 1920 was 1,077, as compared with 643 during 1919, and the number of diphtheria cases notified during 1920 was 764, as compared with 669 during 1919, the number of deaths from each of these diseases was diminished ; deaths from scarlet fever being two less, and deaths from diphtheria 21 less than in 1919.

Table II., page 36, gives the number of cases of infectious diseases notified and removed to hospital during 1920.

The tuberculosis death-rate shows a slight decrease, the mortality being 1·1 per 1,000 of the population, as compared with

1·2 for 1919, the number of deaths being fewer by 22 than in 1919, and there were also 77 fewer primary notifications as compared with 1919.

The dispensary treatment of tuberculous persons is carried on at dispensaries controlled by the Metropolitan and City of London Hospitals; the Metropolitan Hospital Tuberculosis Dispensary being financed jointly by the Boroughs of Hackney and Stoke Newington, and the City of London Hospital Tuberculosis Dispensary being financed jointly by the Boroughs of Hackney and Bethna¹ Green.

Reports to the Hospital Committees of Management by the Dispensary Medical Officers appointed by the hospitals clearly show the valuable character of the work being carried out by the dispensaries. Details from the reports and a description of the dispensary service are set out on pages 41-51.

The Borough is divided for purposes of Sanitary Inspection, into 14 districts, and, in addition, sanction has been obtained for the appointment of three inspectors for work under the Housing and Town Planning Act Regulations. Housing difficulties in Hackney are those common to most London Boroughs, and are by this time well-known to the public in general. Briefly, much of the housing property is in poor condition, repairs are expensive, and in many cases owners are barely able to meet the cost, while owing to the age of many of the houses frequent repairs are essential.

Alternative accommodation is scanty or lacking, so that Closing Orders cannot be put into force.

The Council's Housing Scheme is progressing, and temporary measures have been adopted to alleviate overcrowding: a description of the scheme can be found on page 71. Particulars with regard to the comprehensive work of "Sanitary Inspection," comprising, as it does, so many and varied services essential to the health of the community such as inspection with regard to housing conditions, unsound food and preparation of food, infectious diseases, drainage work, factories and workshops, outworkers, etc.,

can be found by referring to the general index. The table on pages 96-103, setting out the number of inspections made is not intended as a description of "Sanitary Inspection" as the mere number of visits paid cannot convey an adequate impression of the manifold activities connected with this work.

I must take this opportunity of expressing my gratitude to Dr. Fletcher for the kind assistance given to me on the occasion of my taking over the duties of my appointment. Dr. Fletcher, owing to the death of the late Medical Officer of Health—Dr. King-Warry—was appointed Acting Medical Officer of Health, and carried out those duties so admirably as to earn the special thanks of the Committee and the Council for the services rendered by him to the Borough at a time of special stress and difficulty. My thanks are also due to the Public Health and Maternity and Child Welfare Committees for their kind support, and to the members of my staff for the manner in which their duties have been performed.

I am,

Yours obediently,

G. H. DART,

Medical Officer of Health.

COMPARATIVE TABLE, YEAR 1920—LONDON BOROUGHES.

Cities and Boroughs.	Estimated population to the middle of 1920.	Births. Annual rate per 1,000 persons living.	Zymotic deaths. Annual rate per 1,000 persons living.	Death-rate per 1,000 living.	Deaths of Infants under one year to 1,000 births.
LONDON	4,531,971	26.5	0.9	12.4	75
<i>West Districts.</i>					
Paddington	149,673	22.7	0.7	11.1	78
Kensington	164,177	24.3	0.9	13.0	81
Hammersmith	136,200	24.3	0.8	11.2	65
Fulham	158,621	27.2	0.8	11.3	74
Chelsea	68,500	20.3	0.04	11.9	52
City of Westminster	132,615	16.1	0.4	11.6	71
<i>North Districts.</i>					
St. Marylebone	101,856	21.5	0.5	12.5	65
Hampstead	91,519	17.1	0.2	9.0	48
St. Pancras	228,178	25.4	0.9	12.3	72
Islington	335,907	28.1	1.0	13.3	71
Stoke Newington	52,984	23.1	0.7	12.8	80
HACKNEY	225,372	26.6	1.09	12.7	80
<i>Central Districts.</i>					
Holborn	39,676	20.8	0.6	14.9	64
Finsbury	78,291	32.4	0.9	14.5	76
City of London	12,200	14.9	0.4	13.3	71
<i>East Districts.</i>					
Shoreditch	101,000	36.9	1.4	15.4	91
Bethnal Green	114,471	33.7	1.9	14.7	95
Stepney	241,770	31.2	1.1	14.4	87
Poplar	159,766	34.1	1.3	14.6	82
<i>South Districts.</i>					
Southwark	187,142	31.8	1.0	14.4	86
Bermondsey	129,189	31.8	1.2	13.0	84
Lambeth	293,592	27.8	0.9	13.0	67
Battersea	165,664	28.1	1.1	12.3	82
Wandsworth	342,808	21.0	0.6	10.0	62
Camberwell	284,712	26.5	0.8	11.5	70
Deptford	115,636	28.3	0.8	12.0	79
Greenwich	104,453	24.6	0.9	11.9	72
Lewisham	174,438	22.8	0.4	10.8	65
Woolwich	141,666	24.7	0.5	10.4	60

VITAL AND OTHER STATISTICS.

Population and Density.

Area=3,287 acres

Population—Census, 1901 = 219,780

„ —Census, 1911 = 222,674

The population of the Borough at the middle of the year 1920 is estimated by the Registrar-General to number :—

For death-rate	225,372
For birth-rate	225,542

This gives a density of population for the whole Borough of 68.5 persons per acre, varying from 51.2 persons per acre in the Northern Sub-district to 98.4 persons per acre in the South-western Sub-district. The following table gives the estimated population and density of population per acre for each of the Registration Sub-districts in the Borough :—

Table showing Estimated Population, Area and Density of the Registration Sub-Districts in Hackney at middle of 1920.

	North	Central	South-West	South-East	Total for Hackney	Total for London
Estimated population... ..	55,397	55,216	57,673	57,086	225,372	4,531,971
Area in square acres	1,081	857	586	764	3,288	74,816
Density, persons per acre	51.2	64.4	98.4	74.8	68.5	60.5

***Marriages and Marriage-rates.**—During 1920 there were 2,380 marriages solemnised in the Borough of Hackney. The annual

* I have here to acknowledge my indebtedness to Mr. H. Brougham Loney, Superintendent Registrar, who has kindly abstracted the number of marriages for the year 1920.

rate for persons married during this period is therefore 21·1 per 1,000 of the population.

The following table gives the number of marriages and marriage-rates for the Borough of Hackney and London during the 10 years, 1910-1920 :—

Year.	Borough of Hackney.		London.
	Marriages.	Marriage rate.	Marriage rate.
1910	1,700	14·3	16·0
1911	1,919	17·2	17·8
1912	1,967	17·6	18·6
1913	1,941	17·4	16·1
1914	1,970	17·6	19·2
1915	2,723	25·0	25·8
1916	2,206	21·0	20·3
1917	1,962	18·0	18·5
1918	2,011	18·3	21·0
1919	2,571	22·8	23·0
Average, 1910-1919	2,097	18·9	19·6
1920	2,380	21·1	21·7

Births and Birth-rate.—The births registered in the Borough of Hackney during the year 1920 numbered 6,486, of which 3,399 were males and 3,087 females. The total shows an increase of 1,738 compared with the numbered registered during 1919 ; but of these a certain number must be transferred to other districts, and certain births, which occurred in out-lying districts, must be transferred to Hackney in order to get an accurate birth-rate for the Borough. The Registrar-General has supplied the number of these transferable births, viz., 775 births to be transferred to other districts and 299 to Hackney. After these necessary corrections have been made, the correct total of registered births amongst Hackney residents is 6,010. From this figure the birth-rate for Hackney during 1920 has been calculated to be 26·6 per 1,000 of the population. The birth-rate for all London for the same period is 26·5 per 1,000 of the population.

Notification of Births Act, 1907.—Under the provisions of this Act 6,442 notifications of births were received during 1920. This total includes notifications from medical practitioners, midwives, parents and others. It also includes still-births. The total is 44 less than the number registered by the Registrar of Births.

Still-Births.—Amongst the births notified 171 were still-born. This is equal to 2·6 per cent. of those notified. A table is here given showing the number of notifications received, with other details in connection with the same.

NOTIFICATION OF BIRTHS ACT, 1907.

Notifications of Births (Live and Still-born) received during the year 1920.

Year 1920.	Medical Practitioners.				Midwives.				Parents and Others.				Total.			
	Live.		Still.		Live.		Still.		Live.		Still.		Live.		Still.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Totals.	767	701	20	18	2,007	1,869	73	49	490	437	3	8	3,264	3,007	96	75

Illegitimate Births and Birth-rate.—The total number of illegitimate births registered in the Borough during the year 1920 was 416; but of these, the Registrar-General states that 272 should be transferred to districts outside the Borough, as the mothers were not Hackney residents, and 24 births which took place in other districts, should be transferred to Hackney. These corrections having been made, there remain 144 illegitimate births amongst Hackney residents. This is equivalent to an illegitimate birth-rate of 24·0 per 1,000 births.

The following table gives the number of registered births, birth-rates, etc., for the Sub-districts in the Borough :—

	Registration District of Hackney	Registration Sub-district				All London
		North	Central	South-West	South-East	
Total No. of births ...	6,486	1,146	2,286	1,366	1,688	120,529
Rate per 1,000 living...	28.7	20.6	41.3	23.6	29.5	26.5
No. of illegitimate births ...	144	—	—	—	—	—
Rate per 1,000 births	24.0	—	—	—	—	—

It will be noticed that the birth-rate is abnormally high in the Central District compared with other Registration Sub-districts. This is accounted for by reason of 1,008 births occurring during the year at the Salvation Army Mothers' Hospital, which Institution is situate in the Central District. Of this number 641 births are transferable to districts outside Hackney.

The following table shows the birth-rates for the Borough and its Sub-districts during the years 1910-1920 inclusive :—

Birth-rate for the Borough of Hackney and its Sub-districts for the years 1910-1920 compared with that of London.

Year	Borough of Hackney	North Sub-District	Central Sub-District	South-West Sub-District	South-East Sub-District	London
1910	23.1	17.6	22.9	26.7	24.6	23.6
1911	24.3	18.8	24.8	28.0	25.2	24.8
1912	24.3	18.7	23.9	28.4	25.7	24.5
1913	25.6	18.9	26.6*	30.3	26.5	24.5
1914	25.5	18.0	32.5	24.4	27.1	24.3
1915	23.0	17.0	28.7	22.3	23.3	22.6
1916	23.9	16.9	32.5	21.6	24.5	23.0
1917	18.9	12.4	29.7	15.4	18.0	17.5
1918	17.2	9.5	30.7	12.7	15.8	16.1
1919	21.0	13.2	33.9	16.5	20.6	18.3
Average 1910-1919	22.6	16.1	28.6	22.6	23.1	21.9
1920	28.7	20.6	41.3	23.6	29.5	26.5

* The Salvation Army's Mothers' Hospital was opened in 1913.

Deaths.—The deaths registered in the Borough during 1920 numbered 3,030; but of these 679 were deaths of non-residents who died *inside* the Borough. There were, however, 510 residents of Hackney who died during the year *outside* the Borough. On making the necessary corrections, the corrected number of deaths amongst Hackney residents is 2,861. This is an increase of 14 upon the number of deaths occurring during 1919. The general death-rate from all causes for the year 1920 is 12.7 per 1,000 of the population.

Amongst the Registration Sub-districts the death-rate was lowest in the North Sub-district (11.5 per 1,000), and highest in the South-east Sub-district (14.2 per 1,000).

Sub-district.	Population (estimated).		No. of Births.	* Birth-rate. Uncorrected.	Total Deaths.	Death-rate.	Deaths under 1 year.	* Infant Mortality per 1,000 Births. Uncorrected.
	Birth-rate.	Death-rate.						
North ...	55,437	55,397	1,146	20.6	639	11.5	68	59
Central ...	55,256	55,216	2,286	41.3	644	11.6	130	56
South - west	57,723	57,673	1,366	23.6	784	13.6	123	90
South - east	57,126	57,086	1,688	29.5	794	14.2	164	97
All Hackney	225,542	225,372	6,486	28.7	2,861	12.7	485	75

* The uncorrected figure counts in all births and Infant deaths relating to the whole Borough; but some of these having occurred in Institutions, &c., are referred to other districts. For corrected figures see page 25.

The following shows the death-rate of Hackney from all causes per 1,000, compared with London during the last decade:—

Year.	Hackney.	London.	Year.	Hackney.	London.
1911	15.0	15.8	1916	13.8	14.3
1912	12.3	13.6	1917	14.6	15.0
1913	13.7	14.2	1918	18.9	18.9
1914	13.9	14.4	1919	13.0	13.4
1915	14.9	16.1	1920	12.7	12.4

The relative position from a health point of view occupied by Hackney as compared with other Metropolitan Boroughs may be seen from the following table, compiled from figures supplied by the Registrar-General, showing the death-rates from all causes and the death-rates of infants under 1 year of age for the year 1920 :—

Boroughs.	Death-rate from all causes per 1,000 Living.	Deaths under 1 year to 1,000 Births.
Hampstead	9.0	48
Wandsworth... ..	10.0	62
Woolwich	10.4	60
Lewisham	10.8	65
Paddington	11.1	78
Hammersmith	11.2	65
Fulham	11.3	74
Camberwell	11.5	70
City of Westminster	11.6	71
Chelsea	11.9	52
Greenwich	11.9	72
Deptford	12.0	79
St. Pancras	12.3	72
Battersea	12.3	82
St. Marylebone	12.5	65
HACKNEY	12.7	81
Stoke Newington	12.8	80
Lambeth	13.0	67
Kensington	13.0	81
Bermondsey... ..	13.0	84
City of London	13.3	71
Islington	13.3	71
Southwark	14.4	86
Stepney	14.4	87
Finsbury	14.5	76
Poplar	14.6	82
Bethnal Green	14.7	95
Holborn	14.9	64
Shoreditch	15.4	91

Infantile Mortality.—The deaths under 1 year of age in the Borough during 1920 numbered 485. This is an increase of 130 upon the number of infants' deaths recorded during 1919. The infant mortality rate for the year is 81 per 1,000 births.

The causes of death are set out in the following table :—

INFANT MORTALITY.

1920. *Nett deaths from stated causes at various ages under 1 Year of age.*

CAUSE OF DEATH.	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 year.
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...
Chicken-pox ... ..	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	2	2	4	12	20
Scarlet Fever ... ..	...	...	...	...	...	...	...	...	...	...
Whooping Cough ... ..	...	...	1	3	4	3	7	8	5	27
Diphtheria and Croup ... ..	...	...	...	...	...	...	...	...	3	3
Erysipelas ... ..	...	...	...	...	...	1	1	...	...	2
Tuberculous Meningitis ... ..	...	...	...	1	1	...	2	1	...	4
Abdominal Tuberculosis... ..	...	...	...	...	...	1	...	...	...	1
Other Tuberculous Diseases ... ..	...	...	...	...	...	1	...	1	...	2
Meningitis (not Tuberculous) ... ..	...	...	...	...	...	2	...	1	...	3
Convulsions	1	3	1	2	7	3	6	3	1	20
Laryngitis ... ..	...	...	...	1	1	...	...	...	...	1
Bronchitis	1	1	1	1	4	20	10	2	5	41
Pneumonia (all forms)	1	1	2	1	5	19	23	23	15	85
Diarrhœa ... ..	...	...	1	...	1	2	5	...	1	9
Enteritis ... ..	...	...	...	...	...	4	10	3	2	19
Gastritis ... ..	...	...	1	...	1	2	...	...	...	3
Syphilis ... ..	...	1	1	1	3	4	2	...	...	9
Rickets ... ..	...	...	...	...	...	...	...	...	...	...
Suffocation (overlying)	3	1	...	...	4	2	1	...	...	7
Injury at Birth	3	...	...	...	3	...	...	...	...	3
Atelectasis	14	1	...	...	15	1	...	...	...	16
Congenital Malformations	12	2	1	1	16	7	3	2	...	28
Premature Birth	61	6	13	5	85	11	3	...	...	99
Atrophy, Debility and Marasmus	7	2	3	1	13	10	9	5	...	37
Other Causes	7	2	4	1	14	8	11	9	4	46
Total	110	20	29	18	177	103	95	62	48	485

Senile Mortality.—The deaths which occurred in Hackney at 65 years of age and upwards during 1920 numbered 866, and of these 407 were between the ages of 65 and 75 years, 363 between 75 and 85 years, and 96 at 85 and upwards. The annual mortality rate of persons at 65 years and upwards is 3·8 per 1,000 inhabitants.

Deaths in Public Institutions.—There were 1,593 deaths in public institutions in the Borough during 1920 ; of these 679 were residents of other districts, and the remaining 914 were residents of Hackney.

The following lists give the names of the institutions within the Borough receiving persons from both within and without the Borough, and also the institutions outside the Borough, receiving sick and infirm persons from the Borough, with the number of deaths in each institution during the year 1920 :—

Institutions within the Borough receiving persons both from and without the Borough.

Brooke House, Upper Clapton Road	6
City of London Infirmary, Clifden Road	47
Eastern Fever Hospital, Homerton	201
French Hospital, Victoria Park Road	4
German Hospital, Dalston	133
Hackney Union Infirmary, Homerton... ..	900
" " Workhouse, Homerton	5
Metropolitan Hospital, Kingsland	161
Nursing Home, 46, Amhurst Park	3
" " 26, Amhurst Park	1
" " 256, Amhurst Road	1
" " 47, Nightingale Road	2
" " 18 and 20, Southwold Road	2
" " 157, Richmond Road	4
St. Joseph's Hospice, Mare Street	58
Salvation Army Nursing Home, 29, Devonshire Road	4
" " 4, Clapton Common	4
Salvation Army Maternity Hospital, Lower Clapton Road	54
" Homes, Springfield	3
	<hr/>
	1,593
	<hr/>

*Institutions outside the Borough receiving sick and infirm persons
from the Borough.*

Banstead Mental Hospital	...	...	...	...	...	5
Caterham Asylum	...	...	...	...	...	4
Cancer Hospital, Chelsea	...	...	...	...	...	2
Central London Throat and Ear Hospital	...	...	...	...	...	1
Children's Hospital, Great Ormond Street	...	...	...	...	...	8
City of London Lunatic Asylum, Stone	...	...	...	...	...	2
City of London Maternity Hospital	...	...	...	...	...	4
City Police Hospital	...	...	...	...	...	2
Claybury Mental Hospital	...	...	...	...	...	29
Colindale Hospital	...	...	...	...	...	10
Colney Hatch Mental Hospital	...	...	...	...	...	15
Dartford Heath Mental Hospital	...	...	...	...	...	2
Darenth Industrial Colony	...	...	...	...	...	1
Elizabeth Garrett Anderson Hospital	...	...	...	...	...	1
Great Northern Hospital	...	...	...	...	...	2
Hampstead General Hospital	...	...	...	...	...	1
Homœopathic Hospital	...	...	...	...	...	2
Home and Hospital for Jewish Incurables, Tottenham	...	...	...	...	...	2
Hanwell Mental Hospital	...	...	...	...	...	6
Joyce Green Hospital	...	...	...	...	...	1
King's College Hospital	...	...	...	...	...	1
Leavesden Asylum	...	...	...	...	...	11
London Hospital	...	...	...	...	...	89
Middlesex Hospital	...	...	...	...	...	11
Mildmay Memorial Hospital	...	...	...	...	...	2
Mildmay Mission Hospital	...	...	...	...	...	4
Northern Hospital, Winchmore Hill	...	...	...	...	...	1
North-Eastern Fever Hospital	...	...	...	...	...	16
National Hospital, Queen's Square	...	...	...	...	...	1
North-Western Fever Hospital	...	...	...	...	...	6
Park Hospital	...	...	...	...	...	6
Poplar Hospital	...	...	...	...	...	3

Peckham House	2
Prince of Wales' General Hospital, Tottenham	13
Queen Charlotte's Hospital	3
Queen's Hospital for Children	54
Queen Mary's Hospital, Carshalton	1
Royal Chest Hospital, City Road	1
Royal Free Hospital	4
St. Bartholomew's Hospital	20
St. Luke's House, Kensington	2
St. Peter's Hospital	2
St. George's Home, Chelsea	5
Shoreditch Infirmary	6
South-Eastern Fever Hospital	10
Sick Asylum, Bromley	1
St. George's Hospital	1
Tooting Bec Mental Hospital	19
University College Hospital	3
Victoria Park Chest Hospital	13
Miscellaneous Institutions	99

TABLE III.—HACKNEY BOROUGH.
Causes of, and Ages at, Death during the Year 1920.

CAUSES OF DEATH.	Deaths in whole Districts at Subjoined Ages.									Deaths in Public Institutions.
	All Ages.	Under 1.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	
Enteric Fever	1	...	...	...	...	...	1	...	...	...
Small Pox ... ..	...	...	...	...	...	...	...	...	...	...
Measles	79	20	27	26	6	...	...	...	...	31
Scarlet Fever	6	...	2	1	2	1	...	...	...	14
Whooping-cough	56	27	13	15	1	...	...	...	...	30
Diphtheria and Croup	70	3	7	26	32	1	...	1	...	154
Influenza	85	2	...	...	1	7	36	25	14	40
Erysipelas	16	2	...	...	...	1	4	4	5	12
Dysentery	3	...	...	...	...	...	...	1	2	1
Phthisis (Pulmonary Tuberculosis)	190	...	2	...	3	43	86	55	1	89
Tuberculous Meningitis	25	4	4	7	5	5	...	...	...	16
Other Tuberculous Diseases	34	3	3	4	6	4	6	6	...	21
Cancer, Malignant Disease	246	...	...	1	...	3	28	121	93	134
Rheumatic Fever	3	...	...	1	...	...	...	1	1	...
Meningitis	10	3	1	1	2	...	...	3	...	5
Organic Heart Disease	281	1	...	...	8	12	41	88	131	189
Bronchitis	238	41	3	3	...	...	11	46	134	51
Pneumonia (all forms)	276	85	25	22	16	11	28	54	35	120
Carried forward ...	1,619	191	87	107	82	88	241	405	418	907

TABLE III.—HACKNEY BOROUGH—*continued*.
Causes of, and Ages at, Death during the Year 1920.

CAUSES OF DEATH.	Deaths in whole Districts at Subjoined Ages.									Deaths in Public Institutions.
	All Ages.	Under 1.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	
Brought forward ...	1,619	191	87	107	82	88	241	405	418	907
Other Diseases of Respiratory Organs ...	57	2	...	1	1	...	9	27	17	24
Diarrhœa and Enteritis ...	34	28	4	1	...	1	...	...	...	17
Appendicitis and Typhlitis ...	17	...	...	2	5	4	2	4	...	10
Cirrhosis of Liver ...	8	...	...	...	...	...	1	4	3	3
Alcoholism ...	...	...	...	...	...	...	...	...	...	...
Nephritis and Bright's Disease ...	92	...	...	...	2	1	16	41	32	60
Puerperal Fever ...	2	...	...	...	...	...	2	...	...	8
Other Accidents and Diseases of Pregnancy and Parturition ...	16	...	...	...	...	1	15	...	...	25
Congenital Debility and Malformation, including Premature Birth ...	182	180	2	...	...	...	...	...	...	58
Violent Deaths, excluding Suicide ...	82	3	2	5	9	5	9	27	22	42
Suicides ...	28	...	...	...	...	...	7	14	7	6
Other Defined Diseases ...	717	81	7	9	16	18	62	160	364	433
Diseases ill-defined or unknown ...	7	...	...	...	1	...	1	2	3	...
Totals ...	2,861	485	102	125	116	118	365	684	866	1,593
Sub-Entries (included in above figures)—										
Cerebro-Spinal Meningitis ...	9	6	3	...	...	...	...	...	...	3
Polio Myelitis ...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	5	...	...	...	...	2	3	...	...	2

MORTUARY, 1920.

Number of bodies deposited in Mortuary	322
1. To await Inquests—(a) Infectious	6
(b) Non-infectious	293
2. To await Burial	23
Number of Post Mortems	149

INQUESTS.

Verdicts.	Sex.	
	Male.	Female.
Natural causes	96	74
Accidental death	37	24
Suicide	23	8
Open Verdict	8	10
Manslaughter	—	—
Murder	—	1
Misadventure	13	5
Totals	177	122

Table showing nature of above Suicidal and Accidental Deaths in the Borough of Hackney during the year 1920.

Nature of Suicide.	No.	Nature of Accidental Death.	No.
Hanging	4	Shock from burns	5
Poisoning	4	Shock from fall	16
Cut throat	7	Suffocation in bed	5
Shooting	1	Drowning	4
Drowning	14	Run over	19
Run over	1	Fracture of skull	3
		Fracture of ribs	2
		Injury to arm	1
		Shock from scalds	2
		Others	4
	31		61

TABLE I.—HACKNEY BOROUGH.
Vital Statistics of Whole District during 1920 and Previous Years.

Year.	Population estimated to middle of each year.	Births.			Total Deaths Registered in the District.		Transferable Deaths		Nett Deaths belonging to the District.			
		Uncorrected Number.	Nett Number.	Rate.	Number.	Rate.	of Non-residents registered in the District.	of residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
									Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1911	222,674	5,410	5,243	23·5	3,546	15·9	779	443	633	120	3,210	14·4
1912	223,022	5,425	5,267	23·6	2,952	13·2	663	431	426	79	2,720	12·2
1913	223,369	5,733	5,523	24·7	3,156	14·1	665	563	549	99	3,054	13·6
1914	223,718	5,708	5,460	25·5	3,233	14·4	662	557	492	85	3,128	13·9
1915	217,883	5,091	4,827	22·1	3,402	15·6	723	552	520	107	3,231	14·8
1916	209,636	5,331	5,026	22·0	2,917	13·9	617	581	423	84	2,881	13·7
1917	196,598	4,207	3,750	17·1	2,929	14·9	661	585	345	92	2,853	14·6
1918	<i>For Deaths,</i> 195,804 <i>For Births,</i> 219,391	3,828	3,266	14·8	3,836	19·5	820	692	365	111	3,708	18·9
1919	<i>For Deaths,</i> 216,736 <i>For Births,</i> 225,774	4,718	4,141	21·0	2,990	13·7	673	530	355	85	2,847	13·0
1920	<i>For Deaths,</i> 225,372 <i>For Births,</i> 225,542	6,486	6,010	26·6	3,030	13·4	679	510	485	81	2,861	12·7

SPECIFIC INFECTIOUS DISEASE.

During 1920 there were 2,202 cases of acute infectious disease compulsorily notified in the Borough, as set out in Table II; of these 28 were found subsequently not to be suffering from any notifiable infectious disease, thus reducing the number of genuine cases to 2,174. This total shows a decrease of 277 upon those notified during 1919. The attack-rate in respect of the acute notifiable infectious diseases for the year is 9·6 per 1,000 inhabitants.

In addition there were 410 notifications received of pulmonary tuberculosis and 139 notifications of other forms of tuberculosis.

The deaths from the chief zymotic diseases numbered 246. This is equivalent to a zymotic death-rate of 1·09 per 1,000 living in the Borough.

NOTIFIABLE INFECTIOUS DISEASES.

Small-pox.—There was not any notification of small-pox in the Borough during 1920.

Summary of Proceedings under the Vaccination Acts, 1867 to 1898, during the Year 1920.

Registration Sub-District.	No. of Cases in Birth Lists received during Year.	No. of Certificates of Vaccination received.	No. of Certificates of Postponement owing to			No. of Certificates under Section 2 of Vaccination Act, 1898, and No. of Statutory Declarations under Section 1 of the Vaccination Act, 1907.	No. of Certificates of Insusceptibility or of having had Smallpox.	No. of Cases		No. of Entries in Lists sent to Public Vaccinator.
			Health of Child.	Condition of House.	Prevalence of Infectious Disease.			Parents Removed out of District.	Otherwise not found.	
North ...	1,166	600	51	—	—	469	5	30	18	321
Central ...	2,357	744	43	—	—	1,006	6	443	34	473
South-East	1,719	512	28	—	—	830	2	58	46	584
South-West	1,417	596	33	—	—	619	3	9	22	550
TOTAL ...	6,659	2,452	155	—	—	2,924	16	540	120	1,928

SMALL POX,

Scarlet Fever or Scarlatina.—The number of cases of scarlet fever notified during 1920 was 1,085, but of these eight were found afterwards not to be suffering from this disease, thus the number of genuine cases was reduced to 1,077. This is an increase of 433 cases upon the number of genuine cases notified during 1919. The disease was normal during the first eight months of the year, and rose after the school holidays, in September, and the incidence of the disease remained high during the remainder of the year.

The attack rate for scarlet fever was 4·7 per 1,000 persons living. The number of cases removed to hospital during the year was 984. This is equal to 91 per cent. of the total notified.

The following table shows the distribution of scarlet fever in the respective Sub-districts of the Borough:—

Sub-districts.	North.	Central.	South-west.	South-east.
Number of cases of Scarlet Fever ...	257	354	218	248
Attack-rate per 1,000 living ...	4·6	6·4	3·7	4·3

It will be seen from the above that scarlet fever was most prevalent in the Central Sub-district.

The deaths from scarlet fever during 1920 numbered 6, which is equal to a case mortality of 0·55 per cent. attacked, and a scarlet fever death rate of 0·026 per 1,000 inhabitants. The mortality rate for London from scarlet fever during the same year was 0·05 per 1,000 inhabitants.

Diphtheria and Membranous Croup.—There were 774 cases of diphtheria and 10 cases of membranous croup notified during the year; but of these 20 cases of diphtheria were found subsequently

not to be suffering from this disease, thus the total of genuine cases of diphtheritic disease was reduced to 764. This is an increase of 95 upon the number of genuine cases notified during 1919. The incidence of the disease was above the normal at the beginning of the year and remained so during the first four months; the disease was normal during the months of June, July and August, but rose after the school holidays and remained somewhat high during the remainder of the year. The Asylums Board were pressed for accommodation during October and November, but it is very gratifying to record that the Board provided accommodation in nearly every instance of cases of a severe type when application was made from the office. Where cases could not be removed immediately, the medical attendant was advised to administer the maximum dose of anti-toxin in accordance with the recommendations contained in a memorandum circulated by the Asylums Board during times of pressure.

The attack rate for diphtheria was 3·38 per 1,000 inhabitants.

There were 702 cases removed to hospital during the year. This is equal to 94 per cent. of the cases notified.

The following table shows the distribution of diphtheria in the respective Sub-districts of the Borough :—

Sub-districts.	North.	Central.	South-west.	South-east.
Number of cases of Diphtheria and Membranous Croup	129	196	265	174
Attack-rate per 1,000 living	2·3	3·5	4·6	3·0

From the above it will be seen that diphtheritic disease was more acute in the Central and South-Western Sub-districts of the Borough than in the Northern and South-Eastern Sub-districts.

The deaths from diphtheria and membranous croup during the year numbered 70. This mortality is equal to a death-rate of 9·1 per cent. attacked and 0·31 per 1,000 inhabitants.

The death rate from diphtheria for London during the same period is 0·22 per 1,000 inhabitants.

During the year 654 swabbings from throats of persons suspected to be suffering from diphtheria were bacteriologically examined, of which 194 gave positive results, 435 negative results, and 5 were returned as doubtful.

Diphtheria Anti-toxin.—In accordance with the Anti-toxin Order of 1910, a supply of diphtheria anti-toxin was provided during the year, and issued as required to medical practitioners applying for it in cases of diphtheria or suspected cases of diphtheria amongst the poorer inhabitants of the Borough. During the year 82 bottles of anti-toxin of 2,000 units each were supplied to medical practitioners, most of which was used for prophylactic purposes.

Typhoid or Enteric Fever.—During the year under consideration, 14 cases of enteric fever were notified. This shows a decrease of 8 on the number of genuine cases notified during 1919. The attack rate was 0·06 per 1,000 inhabitants.

Of the 14 cases notified, 11 were removed to hospital. This is equal to 78 per cent. of the total notified.

The table below gives the distribution of the notified cases in the Sub-districts of the Borough :—

Sub-districts.	North.	Central.	South-west.	South-east.
Number of cases of Typhoid Fever ...	4	4	3	3

The deaths from enteric fever in the Borough last year numbered 1. This is equal to a mortality rate of 7·1 per cent. attacked.

During 1920 specimens of blood from 41 persons suspected to be suffering from enteric fever were submitted to Widal's test. Of these, 10 gave a positive and 31 a negative reaction.

The mortality from enteric fever for the same period in London was ·01 per 1,000 inhabitants.

Continued Fever.—There were no notifications of continued fever in the Borough during the year.

Typhus Fever.—There was not any notification of typhus fever in the Borough during the year.

Puerperal Fever.—There were 23 cases of puerperal fever notified during 1920 ; 19 cases were removed to hospital. The deaths from puerperal fever and septicaemia numbered 13. The attack-rate for the year was 3·8 per 1,000 births, and the death-rate 2·1 per 1,000 births.

Plague.—There was not any plague in the Borough during the year.

Erysipelas.—There were 120 cases of erysipelas notified during 1920. This is equal to an attack-rate of 0·5 per 1,000 inhabitants. Of the 120 cases notified, 47 were removed to hospital.

The deaths from erysipelas numbered 16. This gives a mortality-rate of 13·3 per cent. attacked, and of ·07 per 1,000 inhabitants.

The following table shows the distribution of the disease in the Sub-districts of the Borough :—

Sub-districts.	North.	Central.	South-west.	South-east.
Number of cases of Erysipelas	25	32	27	36
Rate per 1,000 living ...	·45	·57	·47	·63

Cerebro-spinal Meningitis.—During 1920 there were 7 cases of this disease notified in the Borough. Of these 5 were removed to hospital. All the cases notified were fatal.

Polio-myelitis.—There was not any notification of polio-myelitis in the Borough during the year.

Ophthalmia Neonatorum.—There were 33 cases of this disease notified during the year. 3 of these were removed to hospital. All the cases recovered without any impairment of sight, with the exception of one case where a scar of an ulcer on both of pupils remained.

Measles and German Measles.—The Public Health (Measles and German Measles) Regulations, 1915, were withdrawn by Order in Council on 31st December, 1919.

Seventy-nine deaths were recorded from this disease. The annual mortality is therefore ·35 per 1,000 inhabitants, compared with London ·22 per 1,000 inhabitants. Information of 2,481 cases of measles and of 2 German measles was received from headmasters of elementary schools in the Borough.

Many of the cases were visited by the Health Visitors, and parents advised (in the event of no medical attendant) as to isolation and Nursing. When the nursing was considered inadequate a nurse was provided at the expense of the Council through the King's Home for Nurses.

Encephalitis Lethargica.—The Public Health (Acute Encephalitis Lethargica and Acute Polio Encephalitis) Regulations, 1918, came into operation on 1st January, 1919. During the year 1920 10 cases were notified, of which number 5 were fatal. Eight of the patients were removed to hospital.

The Ministry of Health and the London County Council were in the majority of cases supplied with full histories of the course of each patient's illness, but in several instances the medical practitioners in attendance on cases certified by them definitely refused to furnish the details desired upon the grounds that there was no statutory obligation cast upon them to do so and no fees were paid to them for writing the reports. In view of the great importance of collecting as much information as possible relating to this obscure disease, the withholding of details as to symptoms, etc., is to be regretted; it ought to be obtained, and to be paid for.

Influenzal Pneumonia and Pneumonia.—There were 42 cases of influenzal pneumonia and 55 of primary pneumonia notified. As provided in the Regulations, where the nursing was found to be inadequate a nurse was sent from the King's Home for Nurses in accordance with an arrangement made with the Superintendent at a fee of 1s. 3d. per visit. During the year 969 visits were so made at a cost to the Council of £61 1s. 3d. Influenza, unless complicated by pneumonia, is not notifiable.

Malaria.—The total number of cases of malaria certified was 21, all of which, it was ascertained upon enquiry, had been contracted out of England.

Dysentery.—There were 7 cases of dysentery certified, all being contracted abroad; 3 deaths were registered.

Anthrax.—One notification of anthrax was received during the year. The patient worked for a firm of tanners in Bermondsey. Shortly before he fell ill he noticed a pimple on his neck, and subsequently a swelling, and he consulted his medical attendant, who sent him to the London Hospital, where he was detained. The patient had been engaged on transferring East Indian hides from water to the lime pits; at that time his employers were dealing with out 1,000 hides a day. Formerly hides from China were also imported; but fearing importation of anthrax, the firm abandoned the China skins, and it was a great surprise to them when this case occurred in connection with East India skins. These skins are not in such a cleanly condition as hides obtained from Java. The East India hides arrive in a thoroughly dried state and consist of two kinds, viz., those dried and treated with arsenic, and those dried and salted—just common salt—as much as the hides can take. The firm was not acquainted with any instance among their employees of symptoms of arsenical poisoning.

The patient remained under treatment at the London Hospital and eventually recovered.

LONDON (NOTIFICATION OF GLANDERS) ORDER, 1907.

One notification of glanders in animals in the Borough was received from the Veterinary Inspectors of the London County Council during 1920.

NON-NOTIFIABLE INFECTIOUS DISEASES.

Influenza.—During 1920 there were 85 deaths in the Borough.

This is a decline of 80 on the deaths from this cause registered during 1919. The annual mortality rate from influenza is 0·37 per 1,000 inhabitants.

Influenza, unless complicated by pneumonia, is not notifiable.

Diarrhoea.—There was a slight decrease in the number of deaths due to diarrhoeal disease in the Borough during 1920. The total number of deaths from this cause was 34, and of these 28 were under 1 year of age. The annual mortality for diarrhoea and enteritis during the year is 0·15 per 1,000 inhabitants.

The distribution of this disease in the Borough may be seen from the following table :—

Sub-districts.	North	Central.	South-west.	South-east.
No. of deaths from diarrhoea and enteritis	3	9	6	16

Whooping Cough.—The deaths from this cause during the year numbered 56. This is an increase of 40 upon the number registered during 1919. No less than 27 of the deaths occurred in children under five years of age. The mortality for Hackney is equal to ·17 per 1,000 inhabitants, and that for all London, ·16 per 1,000 inhabitants. One case was removed to the Metropolitan Asylums Board's Hospitals.

Information was received from the head masters and head mistresses of elementary schools in Hackney of 118 cases of whooping cough occurring among their scholars during the year.

TABLE II.—HACKNEY BOROUGH.
Cases of Infectious Disease Notified during the Year 1920.

Notifiable Disease.	Cases Notified in whole Districts.								Total Cases Notified in each Locality.				Total cases re-moved to Hospital.	
	At all Ages.	At Ages—Years.							1 North.	2 Central.	3 South-East.	4 South-West.		
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.						
Small Pox
Cholera
Plague
Anthrax	1	1	1	1
Diphtheria (including Membranous Croup)	764	23	185	417	89	44	6	...	129	196	174	265	702	
Erysipelas	120	5	3	10	10	32	50	10	25	32	36	27	47	
Scarlet Fever	1,077	10	189	748	83	45	2	...	257	354	248	218	984	
Typhus Fever
Enteric Fever	14	...	...	1	1	6	6	...	4	4	3	3	11
Relapsing Fever
Continued Fever
Puerperal Fever	23	...	...	...	4	19	...	...	4	6	7	6	19
Cerebro-Spinal Meningitis	7	3	3	1	...	...	...	...	1	3	1	2	4
Polio Myelitis
Ophthalmia Neonatorum	33	33	...	...	...	...	...	...	5	8	9	11	3
Pulmonary Tuberculosis	410	1	4	45	87	183	83	7	74	78	126	132	259	
Other forms of Tuberculosis	139	5	19	74	22	14	3	2	16	29	44	50	46	
Encephalitis Lethargica	10	...	...	1	3	3	3	...	5	1	3	1	8
Infunezal Pneumonia	42	1	1	2	5	26	5	2	12	5	4	21	8	
Pneumonia	55	3	12	15	4	9	11	1	12	8	27	8	10	
Malaria	21	...	...	...	4	17	...	...	6	7	4	4	3
Dysentery	7	...	...	...	2	5	...	...	4	1	1	1	1
Trench Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	2,723	84	416	1,314	314	404	169	22	555	732	687	749	2,106	

CONSTITUTIONAL DISEASES.

For table of Deaths, see pages 104-112.

Cancer.—There were 246 deaths during 1920 due to the different varieties of malignant disease. This is an increase of 28 on the number registered during 1919. The annual mortality rate from malignant disease for last year is therefore 1·09 per 1,000 inhabitants.

The following table gives the distribution of the deaths from this disease in the different sub-districts of the Borough :—

Sub-districts.	North.	Central.	South-West.	South-East.
No. of Deaths from Cancerous Disease.	72	50	71	53
Mortality-rate per 1,000 inhabitants.	1·3	0·9	1·2	1·9

Below is given a table showing the number of deaths and death rates due to malignant disease in this Borough for the 10 years ending 1920 :—

Years.	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Deaths from Cancer.	217	213	250	256	276	245	230	236	274	246
Death-rate per 1,000.	·97	·95	1·11	1·14	1·26	1·16	1·17	1·07	1·26	1·09
Death-rate per 1,000.	1·05	1·11	1·10	1·13	1·16	1·18	1·25	1·26	1·20	1·20

ALCOHOLISM

Alcoholism.—During the year under consideration there were no deaths from acute alcoholic poisoning ; there were, however, 8

deaths registered as due to cirrhosis of the liver, a condition regarded, as a rule, to be due to excessive indulgence in alcohol, extending over lengthy periods.

TUBERCULOSIS.

During 1920, 549 primary notifications of tuberculosis were received, details of which are given on page 40 of this Report. Bacteriological examination of sputa from 290 cases was made by the Council's Bacteriologist during the same period. In 52 of these examinations the specific organism of the disease was discovered, and in the remainder the result was negative.

The number of deaths from tuberculous disease in Hackney during 1920, was 249, a decrease of 22 upon the deaths during 1919. These deaths are classified as follows:—

Tuberculous phthisis ...	...	...	...	176
Phthisis ...	...	...	...	14
General tuberculosis ...	...	...	...	16
Tuberculous meningitis ...	...	...	...	25
Tuberculous peritonitis ...	...	...	...	4
Tabes mesenterica ...	...	...	...	1
Tubercle of other organs ...	...	...	...	13
				249
				249

This number of deaths gives an annual mortality of 1.1 per 1,000 inhabitants.

In the following table the yearly deaths from tuberculous disease in the Borough for the last 22 years are shown, grouped in periods of three years:—

Three year periods	Annual average number of deaths from Tuberculous Disease.	Percentage decrease on the period 1898-1900.
		Per cent.
1898-1900 ...	483	—
1901-1903 ...	452	6.4
1904-1906 ...	417	13.7
1907-1909 ...	382	21.0
1910-1912 ...	363	24.8
1913-1915 ...	360	25.4
1916-1918 ...	363	24.8
1919-1920 ...	260	44.7

It will be seen from this that the average annual number of deaths from tuberculosis has progressively decreased during the period in question, the decline from the period 1898-1900 to 1920, being equal to 44·7. There is good reason to believe that the Borough Council's Tuberculosis Scheme is doing valuable work.

The deaths are distributed in the sub-districts of the Borough as shown below :—

Sub-districts.	North.	Central.	South-West.	South-East.
No. of deaths from Tuberculous Disease	40	56	79	74
Mortality rate per 1,000 inhabitants	·72	1·0	1·3	1·3

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Under these Regulations 948 notifications of tuberculosis were received during the year, of which 766 were pulmonary and 182 non-pulmonary notifications.

Summary of Notifications during the period from the 5th January, 1920, to the 1st January, 1921.

Age-periods ...	Notifications on Form A.												Total Notifications on Form A.
	Number of Primary Notifications.											Total Primary Notifications.	
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and upwards.		
Pulmonary Males ...	1	—	10	10	15	25	57	46	35	18	5	222	258
" Females ...	—	4	5	8	16	31	47	33	22	8	2	176	224
Non-pulmonary Males ...	3	13	23	16	10	5	4	2	2	—	—	78	83
" " Females	2	6	11	15	5	2	3	5	—	1	2	52	58

Age-periods ...	Notifications on Form B.					Number of Notifications on Form C.	
	Number of Primary Notifications.				Total Notifications on Form B.	Poor Law Institutions.	Sanatoria.
	Under 5	5 to 10	10 to 15	Total Primary Notifications.			
Pulmonary Males ...	—	2	4	6	8	7	155
" Females ...	—	3	3	6	7	18	89
Non-pulmonary Males ...	—	3	—	3	4	1	13
" " Females ...	—	4	2	6	8	1	14

The following table gives the age and sex distribution of the notified cases :—

VISITS PAID BY TUBERCULOSIS VISITORS.

	New Cases.	Contacts.	Soldiers and Sailors.	Other Persons.	Total.	Insured.	Non-insured.
Miss Servanté...	235	71	556	1,779	2,641	1,449	1,192
Miss Clarke ...	238	116	514	1,426	2,294	1,043	1,251
Miss N. Priddle*	97	33	244	1,113	1,487	669	818
	570	220	1,314	4,318	6,422	3,161	3,261

* This Health Visitor resigned her appointment in October, 1920.

DISCHARGED TUBERCULOUS SOLDIERS AND SAILORS.

Arrangements were made at the commencement of 1919 with the Ministry of Pensions for the home visiting and after care of discharged soldiers and sailors suffering from tuberculosis.

The Tuberculosis Health Visitors visit the homes of these patients and advise them of any alterations which they deem desirable in the sleeping accommodation, sanitary conditions, cleanliness, etc., and also encourage them to carry out the instructions of the doctor in attendance, or the Tuberculosis Officer, as to their mode of living.

During the year the number of discharged men visited was 475, and the total number of visits of this kind made was 1,314. The proportion of the number of visits of such cases to the total number of visits made by Tuberculosis Health Visitors to tuberculous cases in the Borough was as one is to three.

TREATMENT OF TUBERCULOSIS.

The scheme for providing dispensary treatment for tuberculous persons in London is set out in the Circular letter of the Local Government Board, dated 19th December, 1913.

The expenditure of the Borough Council on their dispensary scheme, after deducting the payment made by the Insurance Committee in respect of the treatment of insured persons or any other contribution, being made as follows :—

- (a) 50 per cent. from the Board (now the Ministry of Health).
- (b) 25 " " the London County Council.
- (c) 25 " out of the rates of the Borough.

The functions of the Insurance Committee as regards the provision of treatment for insured persons are shortly to be transferred to the London County Council both in respect to the dispensaries and the provision of sanatorium treatment, so that the London County Council will be entirely responsible for the provision of sanatorium treatment and partly responsible for the provision of dispensary treatment, although the direct responsibility for providing the dispensaries is laid upon the Borough Council. The Council has entered, as previously reported, into contracts for the provision of treatment for tuberculosis with the Metropolitan and City of London Hospitals; the Boroughs of Bethnal Green and Stoke Newington also contracting with these institutions for the part use of the dispensary services.

It is evident that the difficulty of dealing with a problem so complicated as the best means of preventing and treating tuberculosis, admittedly one of the most difficult of the problems with which the Public Health service is called upon to deal at the present time, is not lessened by the fact that in order to make any improvement in the arrangements for the treatment of tuberculous patients living in one section of the Borough, the following authorities have to arrive at an agreement :—

Hackney Borough Council,
 Stoke Newington Borough Council,
 Ministry of Health,
 London County Council,
 Metropolitan Hospital Management Committee.

while in order to make any alterations in the arrangements for the treatment of patients living in the remaining portions of the Borough, the following authorities have to arrive at an agreement :—

Hackney Borough Council,
Bethnal Green Borough Council,
Ministry of Health,
London County Council,
Victoria Park Hospital Management Committee.

The problem, moreover, is not rendered less difficult by the fact that the real control of the dispensaries giving the treatment which the Borough has been directed to provide, is vested in authorities entirely unconnected with the Council, and it should also be borne in mind that the three Tuberculosis Officers appointed at the two dispensaries are required to carry out the treatment of tuberculosis in three Metropolitan Boroughs containing in 1919 a total population of 386,813, with 547 deaths from tuberculosis and with 1,019 primary cases of tuberculosis during the year.

The actual treatment of patients at the dispensaries has been most ably and carefully carried out, and the immense amount of useful work done is tabulated in the reports of the medical officers attached to the dispensaries.

There are, however, two directions in which anti-tuberculosis work should be extended, not only in Hackney, but generally throughout London.

These particular requirements are that after-care of persons returned from sanatorium should be efficiently dealt with in order that the money expended upon "cure" should not be wasted, and that efficient means should be taken for preventing the spread of infection by advanced cases, admittedly the principal source of infection.

The Interim Report of the Departmental Committee on Tuberculosis states that "In a general way the efficiency of the Tuberculosis Dispensary should be to serve as

- (1) Receiving House and Centre of Diagnosis ;
- (2) Clearing House and Centre of Observation ;
- (3) Centre for Curative Treatment ;
- (4) Centre for the examination of Contacts ;
- (5) Centre for " after-care " ;
- (6) Information Bureau and Educational Centre.

The reports of the medical officers of the dispensaries show the increasing extent to which the dispensaries are carrying out the first three functions, and as regards the examination of contacts the following figures show the number of these examinations ; moreover there is evidence that the percentage examined is steadily increasing.

During 1920, 549 primary cases were notified, and the contacts to these cases number in all 1,667 persons, and of these 566 contacts were examined making the number examined slightly over 33 per cent. As one must bear in mind that adult contacts generally refuse examination unless in ill-health, under the circumstances already recorded, this percentage is very fair.

During the year 1920, 249 deaths were registered—199 pulmonary and 50 non-pulmonary ; but of these 33 pulmonary and 18 non-pulmonary were not originally notified under the regulations and enquiries as to contacts could not be made in these cases ; this, however, is a matter requiring, and receiving, attention.

Of the remaining 166 pulmonary deaths, there were 467 contacts of which 262 were examined, representing 56 per cent. examined ; and of the 32 non-pulmonary deaths there were 87 contacts of which 39 were examined, representing 44 per cent. examined.

DISPENSARY DISTRICTS.

*Estimated Population in Electoral Wards.**Metropolitan Hospital Area—*

Stamford Hill	33,233
West Hackney	19,275
Kingsland	23,357
Downs	17,307
	————— 93,172

Estimated Population (1920)—

Borough of Stoke Newington	52,984
	————— 146,156

Victoria Park Hospital Area—

Clapton Park	43,028
Homerton	37,714
South Hackney	23,476
Hackney	28,152
	————— 132,370

Estimated Population (1920)—

Borough of Bethnal Green ...	114,471
	————— 246,841
	————— 392,997

Estimated Population (1920) Hackney	... 225,542
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Wards.	Notifications—Forms A & B.				Deaths.			
	Pulmonary	Non-pulmonary.	Total.	Attack rate per 1,000 living.	Pulmonary	Non-pulmonary.	Total.	Death-rate.
<i>Metropolitan Hospital Area.</i>								
Stamford Hill	35	6	41	1.2	13	5	18	0.54
West Hackney	49	16	65	3.3	16	3	19	0.98
Kingsland	69	20	89	3.7	29	6	35	1.5
Downs	25	3	28	1.6	16	1	17	0.98
Total ...	178	45	223	2.4	74	15	89	0.95
<i>Victoria Park Hospital Area.</i>								
Clapton Park	67	32	99	2.3	38	16	54	1.25
Homerton	70	25	95	2.5	29	10	39	1.03
South Hackney	50	21	71	3.0	22	7	29	1.23
Hackney	45	16	61	2.1	27	11	38	1.35
Totals ...	232	94	326	2.4	116	44	160	1.2
Totals for Borough	410	139	549	2.4	190	59	249	1.1

Notifications and Deaths (Hackney).

After Care.—Practically no steps have been taken as regards after-care of tuberculous patients returned from sanatorium with the exception of the steps taken by the Hackney and Stoke Newington Care Committee in the direction of imploring the assistance of voluntary and charitable organisations, as the machinery and means for providing adequately for necessary expenditure does not exist.

Much useful work as regards arranging sanatorium treatment and collecting payments from the parents of children granted sanatorium treatment by the London County Council has been carried by the Committee, which is thoroughly in touch with the tuberculosis work of the Borough.

Advanced Cases.—The following table shows the place of death of Hackney inhabitants, and it is apparent from this table what a large proportion of deaths occur in the patients' homes.

Place where death occurred.	Phthisis and Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Totals.
At Patient's Homes ...	90	21	111
At Hackney Infirmary ...	37	22	59
At other Institutions ...	63	16	79
	190	59	249

It should be remembered that the deaths which occur in institutions cannot be considered to represent a number of persons who were prevented while in an advanced stage from spreading infection, as, at least, the majority of these persons have been treated on several occasions in the Infirmary and similar institutions, entering and leaving while in an infective condition, before death occurred. The result of this is placed on record in the Final Report of the Departmental Committee on Tuberculosis :

“Infection is frequently disseminated by persons suffering from advanced pulmonary tuberculosis who are in the habit of entering and leaving Poor Law Institutions, having regard merely to their own convenience, and not to the interests of their family or of the community in which they live.”

DAY SANATORIUM (OPEN AIR SCHOOL) FOR TUBERCULOUS CHILDREN.

The work of the Stormont House School, which was opened by the London County Council on 8th September, 1919, is of increasing value to the tuberculosis service. The number of children on the register is now 83, as compared with 35 at the end of 1919. Dr. Howell, Tuberculosis Officer to the City of London Hospital Tuberculosis Dispensary is responsible for the medical care of the children, and visits the School once weekly.

CITY OF LONDON HOSPITAL TUBERCULOSIS DISPENSARY. (Dr. Howell.)

HACKNEY CASES TREATED.

1.—*The Totals of New Cases.*

Males	...	...	...	...	...	437
Females	...	...	...	...	...	448
						885
						885

2.—*The Sources of the New Cases.*

	Total.	Tuberculous.
Medical Officer of Health	176	92
Local Practitioners	131	56
London War Pensions Committee	45	16
Contact cases	435	18
London Insurance Committee	31	18
London County Council	22	9
Victoria Park Hospital	22	20
Other sources	23	14

3.—*The Diagnosis of the New Cases.*

Diagnosis.	Insured.		Uninsured.			Total.
	Males.	Females.	Children under 16.	Males.	Females.	
Pulmonary Tuberculosis... ..	77	33	15	13	41	179
Non-pulmonary Tuberculosis	10	6	43	0	5	64
Non-tuberculous	121	81	302	14	86	604
Doubtful	16	4	13	1	4	38
Total	224	124	373	28	136	885

4.—*The Diagnosis of Contact Cases.*

Pulmonary tuberculosis	9
Non-pulmonary tuberculosis	9
Non-tuberculous	404
Doubtful	13
Total	<u>435</u>

5.—*Sputum Examinations of Insured and Uninsured Patients.*

	Insured.	Uninsured.	Total.
Tubercle Bacilli present	83	23	106
Tubercle Bacilli absent	398	175	573

6.—*Other Figures.*

	Insured.	Uninsured.
Total number of attendances	4,147	4,169
Systematic examinations at the above	1,070	1,154
Number of letters written	1,844	
Number of visits to patients at their homes	44	29
Number of patients sent to hospital or sanatorium ...	147	43
Number of patients referred to:—		
X-ray Department	55	37
Other Departments	30	20

METROPOLITAN HOSPITAL TUBERCULOSIS DISPENSARY.
(Dr. L. U. Young.)

Hackney Cases Treated.

TABLE I.

Return showing the Result of the Examination of Persons for the purpose of Diagnosis.

Original cases found pulmonary tuberculosis ...	137	
Contact cases found pulmonary tuberculosis ...	3	
	—	140
Original cases found non-pulmonary tuberculosis	22	
Contact cases found non-pulmonary tuberculosis	13	
	—	35
Original cases found doubtful	31	
Contact cases found doubtful	21	
	—	52
Original cases found not tubercular	33	
Contact cases found not tubercular	188	
	—	221
Total new cases		448

TABLE II.

Classification and Detailed Statistics of Attendances, etc.

	Insured Persons. Male.	Insured Persons. Female.	Uninsured Persons. Male.	Uninsured Persons. Female.	Contacts.				Total.
					Male.		Female.		
					I.	U.	I.	U.	
					New Patients attending ...	88	38	38		53	18	61	21	125	442
Attendances of Old Patients	1,213	420	454	660	42	275	98	355	3,517
Home Consul- tations ...	8	1	3	8	3	—	4	—	(new) (old) 6 + 21 = 27
Sputum Examined ...	130	32	26	57	2	2	6	11	266

DISINFECTION.

(a) **Rooms.**—During 1920, there were 2,642 rooms fumigated and 577 rooms cleansed in the Borough by the staff of the Public Health Department. In these totals are included disinfections after measles, whooping cough and tuberculosis, in addition to those in connection with the present notifiable infectious diseases.

The number of rooms fumigated and cleansed each month is set out in the following table :—

Number of rooms fumigated and cleansed each month during 1920.

	Month.	Rooms fumigated	Rooms cleansed.
January	...	228	48
February	...	182	30
March	...	239	30
April	...	155	28
May	...	160	29
June	...	168	37
July	...	156	29
August	...	150	36
September	...	239	40
October	...	347	64
November	...	349	97
December	...	269	109
Total	...	2,642	577

(b) **Articles of Clothing, Furniture, etc.**—The number of articles under this head disinfected during last year was 14,548. This is an increase of 1,419 upon the number disinfected during 1919. A table is here given showing details of the articles disinfected each month.

Articles Disinfected, 1920.

Description of Articles.	January.	February.	March.	April.	May.	June.	July	August.	September.	October.	November.	December.	Total.
House linen and furniture	1,242	932	1,132	789	820	857	844	672	1,204	1,486	1,240	1,458	12,676
Men's clothing	8	1	...	...	...	...	3	2	5	3	1	...	23
Women's clothing ... ..	...	3	2	...	3	4	13	9	8	6	...	...	48
Children's clothing ... ..	...	...	...	2	...	...	1	2	2	...	...	...	7
Other articles	154	175	167	155	96	92	75	120	199	172	200	189	1,794
TOTAL	1,404	1,111	1,301	946	919	953	936	805	1,418	1,667	1,441	1,647	14,548

Articles Disinfected, 1920.

In addition to these, there were 39 articles destroyed on request from the owners. These are set out in the following table :—

Articles Destroyed.					
Beds ...	...	...	12	Pillows ...	6
Bolsters ...	...	...	1	Sundry articles ...	8
Mattresses ...	...	...	12		
				Total ...	39

(c) **Public Library Books.**—During the past year 531 books from homes in which infectious diseases had occurred were disinfected. The method of disinfection of books practised is to expose the books in a closed chamber to the action of formic aldehyde gas, which is generated in a lamp from formalin tablets.

Books Disinfected.

Month.	Number.
January ...	52
February ...	30
March ...	14
April ...	23
May ...	26
June ...	21
July ...	27
August ...	14
September ...	53
October ...	71
November ...	135
December ...	65
	<hr/> 531 <hr/>

ISOLATION SHELTER.

During the year there were 32 persons admitted to the Shelter whilst their homes were being disinfected. This total consisted of 10 men, 13 women and 9 children. The cost of maintenance of these persons admitted was £7 1s. 6d

CLEANSING OF PERSONS ACT, 1897.

The baths provided by the Borough Council under the above Act for the cleansing of verminous persons, were in constant use during last year. 190 adults and 2,410 children received baths and the number of baths given during that period was 7,780. This total shows an increase of 4,356 upon the number given during 1919.

Of the 7,780 baths given, 6,521 were sulphur baths for scabies, and 1,259 for pediculi. The great majority of those persons presenting themselves for baths were children from the elementary schools in the Borough. These children received 7,128 baths, an increase of 3,935 upon the number given during 1919.

The following are the Schools from which children were sent to the Cleansing Station, with the number of baths given :—

Schools.	Number Cleansed.	
	Hot Baths.	Sulphur Baths.
Ballance Road, R.C.	7	4
Benthal Road	33	119
Berkshire Road	43	516
Berger Road	31	199
Bay Street	—	9
Cassland Road	1	41
Church Street	8	220
College Lane	—	56
Craven Park	3	—
Dalston Central	—	1
Daubeney Road	209	197
Detmold Road	121	112
Carried forward ...	456	1,474

Schools.				Number Cleansed.	
	Brought forward			Hot Baths.	Sulphur Baths.
				456	1,474
Eleanor Road	—	67
Enfield Road	4	53
Gainsborough Road	—	6
Gayhurst Road	20	60
Glyn Road	44	148
Gopsall Street	—	37
Hackney Parochial	61	14
Haggerston Road	1	167
High Street	—	95
Holy Trinity	2	51
Homerton Row	69	457
Lamb Lane	22	—
Laura Place	—	1
Lauriston Road	—	13
London Fields	—	11
Mandeville Street	126	398
Morning Lane	49	173
Millfields Road...	6	170
Newington Green	1	195
Northwold Road	33	5
Oldfield Road	—	31
Orchard Street	76	127
Percy Road	27	—
Princess May Road	—	324
Paragon Road	—	3
Queen's Road	—	35
Rushmore Road	55	94
St. James'	—	10
St. John the Baptist	7	109
St. Joseph's	2	7
				<hr/>	<hr/>
	Carried forward	...	...	1,061	4,335

				Number Cleansed	
				Hot Baths.	Sulphur Baths.
Brought forward				1,061	4,335
St. Jude's	...	...	...	—	100
St. Matthias	...	...	...	2	205
St. Michael's	...	...	...	—	8
St. Paul's	...	...	...	—	66
St. Scholastica's	...	...	...	—	73
Shacklewell	...	...	...	—	143
Sidney Road	...	...	...	168	89
Sigdon Road	...	...	...	7	95
Tottenham Road	...	...	...	2	107
Wilton Road	...	...	...	5	222
Wordsworth Road	...	...	...	—	92
Other young children	...	...	...	—	348
				<u>1,245</u>	<u>5,883</u>
				<u><u>1,245</u></u>	<u><u>5,883</u></u>

The following table gives particulars of the number, etc., of persons who were bathed and cleansed for parasitic disease at the Disinfecting Station during the year.

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Receiving Hot Baths.	Men... ..	1	1	1	...	...	1	2	...	1	2	1	...	10
	Women ... ..	...	...	...	...	...	...	2	...	...	2	...	...	4
	Children	29	81	78	47	32	108	146	17	285	190	160	72	1245
Receiving Sulphur Baths.	Men... ..	28	34	71	38	26	30	44	30	36	20	9	20	386
	Women	17	17	38	25	27	22	14	24	22	23	8	15	252
	Children	563	587	803	522	495	537	431	343	409	447	373	373	5883

MATERNITY AND CHILD WELFARE.

The work carried out during 1920 can be conveniently reported under the following descriptive titles :—

1. General Organisation ;
2. Health Visiting ;
3. Consultation and Ante-natal Clinics ;
4. Contributions to Maternity Hospitals providing Midwifery assistance to necessitous mothers ;
5. Provision of milk and other foods to necessitous mothers and children.

1. General Organisation.

The Borough is divided for health visiting purposes into 11 districts, each of the voluntary organisations of the district—Eton Mission and Hackney Grove Centres—being allotted a district, the remaining nine districts being allotted to health visitors on the Public Health Department staff.

Eton Mission and Hackney Grove conduct consultation clinics but not ante-natal clinics, the two ante-natal clinics in the Borough being municipal, and there are, in addition, three municipal infant consultation clinics ; giving a total of five consultation clinics, municipal and voluntary, and two municipal ante-natal clinics for the 11 districts of the Borough.

The voluntary organisations appoint and control their own staff, both medical and health visiting, but the Maternity and Child Welfare Committee is represented on the Executive Committees of these institutions, and the work is carried on in the closest co-operation and co-ordination with the municipal maternity and child welfare work. The municipal consultation centres are staffed and administered through the Public Health Department.

Part-time (temporary, *i.e.*, not on the permanent staff) medical officers have been appointed to conduct the work of the consulta-

tion centres, the duties of medical officers having been arranged as follows :—

1. Attend the centre one afternoon per week.
2. To examine all infants brought to the centre, of parents living in the Borough.
3. To advise the parents as to the feeding and care of their infants.
4. Treat minor ailments in the infant when circumstances indicate the need for this.
5. To enter on a case paper to be provided for each infant, certain particulars, with notes on advice and treatment given, and the condition and progress of the infant.
6. To furnish monthly, a return to the Medical Officer of Health as to the number of infants seen and treated at the centre.

N.B.—If the ailment of the infants is such as to necessitate continuous medical supervision and treatment, the medical officer must refer the case either to the usual medical attendant or to a hospital for children, such as the Queen's Hospital for Children, Hackney Road. The centre is not intended or fitted to take the place either of the general practitioner or the out-patient department of the hospitals.

2.—Health Visiting.

The following table gives details of the visits made by the Council's Health Visitors during the year:—

	Miss M. Chitson	Mrs. A. Rhodes	Miss K. Fisher	Miss D.F. Vidal	Mrs. L. E. Bartholomew	Miss A. Roche	Mrs. E. A. Cowley	Miss K. Teebay	Mrs. L. Harrison	Totals
Number of visits to infants under 1 year of age ...	615	526	436	221	169	96	564	527	664	3,818
Number of visits to children 1-5 years of age ...	289	177	224	153	53	334	124	595	71	2,020
Number of secondary visits to infants and children...	822	888	739	230	200	316	368	595	746	4,904
Total number of infants and children visited ...	1,726	1,591	1,399	604	422	746	1,056	1,717	1,481	10,742
Number of visits to Measles cases ...	70	172	190	—	—	—	97	117	90	736
Number of visits to Pneumonia cases ...	20	16	18	1	—	3	7	11	10	86
Number of visits to Ophthalmia Neonatorum cases ...	4	11	11	3	4	—	6	4	6	49
Number of special visits ...	324	286	235	92	149	114	319	353	108	1,980
Total number of visits paid during the year ...	2,144	2,076	1,853	700	575	863	1,485	2,202	1,695	13,593
Total number of Clinics attended during the year...	121	111	151	37	33	24	122	93	110	

Conditions found by the Visitors.

No. of Infants visited.	Method of Feeding.			Separate cot provided for Infant.		Use of Comforter.		Home conditions.		Secondary visits.
	Breast.	Artificial.	Mixed.	Yes.	No.	Yes.	No.	Satisfactory.	Unsatisfactory.	
3,818	3,918	372	248	1,923	1,895	1,735	2,083	3,455	363	4,904

3.—Infant Consultation and Ante-natal Clinics.

The increasing popularity of this work, which is undoubtedly due to the benefit obtained by the mothers and children, is shown by the fact that the total attendances at all the Centres exceeded those of 1919 by 11,854, and those under one year of age by 12,530, but the number of children over one year was 676 less, this being undoubtedly due to the fact that accommodation at the Centres is limited, so that attention is given primarily to infants, as advice is more urgently needed as regards feeding, etc., than is the case with the older children.

*(Infant Consultation.)***1.—OVERBURY STREET (Dr. Elizabeth Wilks).**

Number of times Centre open	...	...	...	...	52
Number of primary cases brought to Centre	...	...	...	...	598
Repeated visits to Centre	...	...	...	...	5,068
Total attendances	...	...	...	...	5,666
Total attendances of infants under one year	...	...	...	...	4,396
Total attendances of children over one year	...	...	...	...	1,270

Dr. Wilks is of opinion that—

- (1) The greatest need is for dental treatment ;
- (2) More teaching should be provided for the mothers ;
- (3) More teaching should be given to elder girls from the schools, who might attend the Centre and gain knowledge of such skilled work as the bringing up of babies ;

- (4) Greater attention should be given to training of parents in order that they may realise the importance of periodic examination of older children.

(Ante-natal.)

Number of times Centre opened	...	...	...	...	27
Number of expectant mothers attending	...	...	...	...	212
Number of repeated attendances at Centre...	...	...	...	...	330
Number of visits to expectant mothers at their homes by the Health Visitors :—					
Number of cases	...	...	...	...	212
Number of visits	...	...	...	...	73

Dr. Wilks states that many cases of importance, in her opinion, would not have been seen by a doctor had the Centre not existed.

Several cases of syphilis, tuberculosis and malformation were examined and received treatment. Dr. Wilks states that such cases and many other were of great interest, but the value of the Ante-natal Centre as an educational institution is, in her opinion of greater importance than the individual cases receiving relief ; not by any means that the suffering and loss of life prevented should be under-estimated, but that the knowledge of mothercraft and the educational value in general of the information spread through the Centres is so far reaching that the importance of the work can hardly be over-estimated.

2.—BROOKSBY'S WALK (Dr. Reginald Brown).

Number of times Centre open	...	...	...	...	52
Number of primary cases brought to Centre	...	...	...	...	736
Repeated visits to Centre	...	...	...	...	5,012
Total attendances	...	...	...	...	5,748
Total attendances of infants under one year	...	...	...	...	5,135
Total attendances of children over one year	...	...	...	...	613

Dr. Reginald Brown reports that every child is examined at its first attendance and on subsequent occasions as often as is necessary. In all 1,536 examinations were carried out.

Dr. Brown states that several cases of unusual interest presented themselves during the year:—

Two cases of congenital nystagmus: these were referred to Mr. Elmore Brewerton, F.R.C.S. at the Westminster Ophthalmic Hospital, who kindly wrote in regard to their condition: the mothers were advised in regard to their treatment.

Two cases of mongolian imbecility: the mothers were advised about the future of these mentally defective children.

One case of congenital heart disease: the mother was advised about the matter and also in regard to the treatment of the child as it grew older.

Two cases of congenital syphilis: these were sent to the London Hospital and were seen by Dr. Sequeira who wrote about them, had the diagnosis verified by the Wasserman test and undertook their treatment.

Several doubtful cases of congenital syphilis were also examined at the same hospital but the results of the test were negative.

One case of hydrocephalus: the mother was advised as to the nature of the condition.

One case of tetany: this case was referred to the Queen's Hospital for Children and treated there, making a good recovery from a dangerous condition.

Very many mothers were advised in regard to feeding their children. A large number of children also had their foreskins dilated and also a large number had their abdomens strapped to prevent or rather to cure umbilical hernia.

(Ante-natal Centre).

Number of times Centre open	...	...	...	...	26
Number of expectant mothers attending	...	...	...	...	158
Number of repeated attendances at Centre	...	...	...	...	158
Number of visits to expectant mothers at their homes by the health visitors	...	...	...	...	51

Dr. Brown states that two cases requiring Caesarian section were discovered at the clinic. Both were operated upon, with the result that both made splendid recoveries with living children.

Advice is given and medicines to suitable cases.

Every woman is carefully measured and thorough examination carried out.

Dr. Brown points out that the numbers are increasing rapidly. At the last attendance at the centre 24 expectant mothers presented themselves.

3.—MAYFIELD ROAD (Dr. J. H. Porter).

Number of times Centre open	...	...	...	...	92
Number of primary cases brought to Centre	...	...	...	...	696
Repeated visits to Centre	...	...	...	...	4,881
Total attendances	...	...	...	...	5,577
Total attendances of infants under one year	...	...	...	...	4,621
Total attendances of children over one year	...	...	...	...	956

Dr. Porter states that a considerable number of cases arose in which hospital treatment was needed, and that such cases were referred to the Metropolitan Hospital.

A considerable number of cases of middle ear disease were sent for treatment, and Dr. Porter states that in all probability without routine attendance at a centre the parents if they realised the need, for treatment at all, would often defer it indefinitely and lose the opportunity for cure presented by the earlier stages of the disease.

Dr. Porter states that chronic middle ear disease is so common, so slow and difficult to cure, and attended by so many serious consequences that the opportunity for its early recognition and treatment which occurs at these centres is worthy of special mention.

* 4.—HACKNEY MOTHERS' AND BABIES' WELCOME.

(Dr. J. M. Laughton.)

Number of times Centre open	...	...	...	...	102
Number of primary cases brought to the Centre	...	...	...	...	535
Repeated visits to Centre	...	...	...	...	5,804
Total attendances	...	...	...	...	6,339
Total attendances of infants under one year	...	...	...	...	5,811
Total attendances of children over 1 year	...	...	...	...	528

Dr. Laughton states that the work of the Hackney Mother's and Babies' Welfare Centre has been continued on the same lines as hitherto. The mothers have been instructed as to the best methods of feeding their infants, breast feeding being encouraged whenever possible, and bottle feeding has been regulated where it is necessary. Owing to the increase of unemployment towards the end of the year, many mothers suffered from insufficiency of milk supply and had to get assistance in the form of free milk.

Only a few simple remedies, such as are required to improve the mothers' supply of milk, or to combat slight ailments like constipation or sickness, are used at the centre. Cases requiring medical attention were referred to their own medical attendant or in a few instances to hospital.

* 5.—ETON MISSION (Dr. E. J. F. Moore).

Number of times Centre open	...	...	...	...	99
Number of primary cases brought to Centre	...	...	...	...	280
Repeated visits to Centre	...	...	...	...	3,788
Total attendances	...	...	...	...	4,068
Total attendances of infants under one year	...	...	...	...	3,060
Total attendances of children over one year	...	...	...	...	1,008

Dr. Moore states that in the greatest number of cases advice is sought on account of failure of the infants to gain in weight, and this is often due to some remedial error in feeding, the result is satisfactory.

The cases of most difficulty are those fed artificially. Breast feeding is encouraged, and in many instances where babies of two or three months had been almost weaned when first brought to the Centre, a return to entire breast feeding was effected in a few weeks under advice of a simple nature.

Dried milk has been largely used, and with good results. The Superintendent gives short talks to the mothers each week on health matters.



Summary of Centre Work.
Infant Consultation Centres.

Centre.	No. of times Centre open.	No. of primary cases brought to Centre.	Re-peated visits to Centre.	Total attendances	Total attendances of Infants under 1 year.	Total attendances of children over 1 year.
1. Overbury Street	52	598	5,068	5,666	4,396	1,270
2. Brooksby's Walk	52	736	5,012	5,748	5,135	613
3. Mayfield Road	92	696	4,881	5,577	4,621	956
4. *Hackney Mothers' and Babies', Hackney Grove.	102	535	5,804	6,339	5,811	528
5.*Eton Mission, Gainsborough Road.	99	280	3,788	4,068	3,060	1,008
Total	397	2,845	24,553	27,398	23,023	4,375

* These are Voluntary Centres and are co-ordinated with the Infant Welfare work in the Borough. The Hackney Mothers' and Babies' Welfare Centre receives an annual grant of £200 from the Council and the Eton Mission Centre £50.

Ante-natal Welfare Centres.

	Overbury Street	Brooksby's Walk.
Number of times Centre opened	27	26
Number of expectant mothers attending ...	212	158
Number of repeated attendances at Centre ...	330	158
Total attendances ...	542	316
Number of visits to expectant mothers at their homes by the Health Visitors :—		
Number of cases	212	158
Number of visits	73	51

4.—Contributions to Maternity Hospitals providing Midwifery Assistance to Necessitous Mothers.

The Council has agreed to contribute towards the general expenses of the City of London Maternity Hospital and the Salvation Army Mothers' Hospital the sum of one guinea in respect of each necessitous case admitted from the Borough for treatment at either of these institutions. A necessitous case being considered a patient who by reason of poverty or other causes is unable to pay, for the treatment received, an amount equal to one-half the average cost per patient of the maintenance and administration charges for the year ended December 31st, 1918.

Necessitous Cases.

	Cases.	Cost.
		£ s. d.
Salvation Army Mothers' Hospital ...	72	75 12 0
City of London Lying-in-Hospital ...	89	93 9 0
	<hr/>	<hr/>
Cases ...	161	£169 1 0
	<hr/>	<hr/>

5.—Provision of Milk and other Foods to Necessitous Mothers and Children.

Milk (Mothers and Children) Order, 1919.

Local Authorities Milk (Mothers and Children) Order, 1919.

The two Orders re-enacted the Milk (Mothers and Children) Order, 1918, and the Local Authorities (Food Control) Order (No. 1), 1918, with the following modifications :—

- (1) The Orders relate to milk only and not to food. (Powers with regard to food will be found in M.C.W. 4 under the Maternity and Child Welfare Act.)
- (2) The power of the Local Government Board to require local authorities to make arrangements for the supply of milk is omitted.
- (3) Local authorities are empowered to supply milk free, or at less than cost price, not merely in necessitous cases, but also

where such supply is necessary because of the retail price of milk in any area.

- (4) The maximum quantity to be supplied is prescribed—
- (a) Children under 18 months— $1\frac{1}{2}$ pints daily ;
 - (b) Children between 18 months and five years—1 pint daily ;
 - (c) Expectant and nursing mothers—the quantity prescribed by the doctor.

The scale set out below was adopted by the Council during 1919 :—

Families with an income of 10s. and upwards per head—No allowance.			
"	"	"	9s. to 10s. ... To pay 75%
"	"	"	8s. to 9s. ... " 50 "
"	"	"	7s. to 8s. ... " 25 "
"	"	"	Under 7s. ... Given free.

During the year it was found desirable to discontinue the practice of granting milk direct from the Centres, and all recommendations are now dealt with through the Health Department. Milk supplied free of cost to necessitous cases involved the Council in an expenditure of £2,044 12s. 1d.

Dried Milks, Foods, Medicines, etc.

- (a) Supplied free of charge to necessitous mothers—

	£	s.	d.
Glaxo	354	9	9
Cow and Gate	33	1	6
Viol	16	1	0
Marylebone Cream	6	18	6
Cod Liver Oil and Malt	2	15	0
Sundries	4	8	4
	£417 14 1		

(b) Supplied at cost price—						£	s.	d.
Glaxo	...	...	...	...	...	2,473	10	3
Cow and Gate	...	...	...	...	...	240	2	6
Mellins' Food	...	...	...	...	...	3	12	0
Virol	...	...	...	...	...	117	15	0
Sugar	...	...	...	...	...	11	11	3
Lactagol	...	...	...	...	...	33	4	8
Marylebone Cream	...	...	...	...	...	34	6	6
Petroleum Emulsion	...	...	...	...	...	31	7	4
Syrup Ferri	...	...	...	...	...	14	8	2
Malt	...	...	...	...	...	2	11	6
Cod Liver Oil and Malt	...	...	...	...	...	25	2	0
Sundries	...	...	...	...	...	88	17	6
						<hr/>		
						£3,076	8	8
						<hr/> <hr/>		

HOUSING AND WORK OF SANITARY INSPECTION.

Housing Scheme.

Considerable progress has been made during the year as regards the provision by the Council of the additional housing accommodation needed in the Borough.

1. *Conversion into Tenements.*

Nine houses have been purchased by the Council and converted. Three of these houses being let to 3 families and the remainder to 2 families each, accommodation being thus provided for 21 families altogether.

Nine Army huts have been purchased as a temporary measure, and converted into 12 tenements.

2. *Erection of Cottages.*

The Council have adopted a scheme for the erection of 80 cottages in Casimer, Cleveleys and Gunton Roads.

3. *Erection of Maisonettes.*

The Council have adopted a scheme for the erection of 62 maisonettes in Daubeney Road, Adley Street and Rock Road. The actual details with regard to the construction of the cottages and maisonettes have not yet been settled.

The great difficulty in dealing with much of the housing property in the Borough arises out of the cost of carrying out repairs, and also to the fact that, owing to the age of many of the houses, frequent repairs are necessary. It has become impossible in many instances for an owner to recompense himself for expenditure on property by money received in rent, and the property has become in consequence by no means an asset, but a difficulty and an expense ; in other words, the juice of the orange has been squeezed and there is no profit left in the rind. Thus appeals have been made to the Council to have Closing Orders made, but this, of course, cannot be done except in grave circumstances, during the present lack of alternative accommodation.

SANITARY INSPECTION.

PUBLIC HEALTH (LONDON) ACT, 1891.

(a) **Complaints of nuisances.**—During the year 1920 there were 4,662 complaints of nuisances made to the Public Health Department and investigated by the Sanitary Inspectors of the Borough. Defects or nuisances were discovered in 3,835 of the complaints. Notices for the remedy or abatement of these were served upon the owner or person responsible under the above Act.

(b) **Infectious Disease.**—The occupied dwellings inspected during the year after infectious disease numbered 2,075. This is an increase of 467 upon the number inspected during 1919. Any nuisances or sanitary defects found were dealt with under the provisions of the above Act.

(c) **General Inspections.**—The number of other inspections made by the Inspectors during the year was 1,028. These inspections are in addition to those made under (a) and (b). The nuisances or sanitary defects found were dealt with in the same manner as those under (a) and (b).

Nuisances or defects found on inspection were remedied in most cases on service of an intimation notice only. The total number of such notices served during 1920 was 6,781. The number of statutory notices served was 982; and summonses were issued in 116 cases.

**Prosecutions under the Public Health (London) Act, 1891,
during the year 1920.**

Address.	Complaint.	Magistrate's Decision.	Fine.			Costs.		
			£	s.	d.	£	s.	d.
28, Nesbit Street	General insanitary condition.	Order to abate in 14 days.	—			1	15	6
11, Church Road, Homerton.	" "	" "	—			1	15	6
7, Banister Street	" "	" "	—			2	2	0
6, Banister Street	Rooms dirty and dilapidated.	" "	—			2	2	0
5, Banister Street	General insanitary condition.	" "	—			2	2	0
26, Victoria Park Road.	W.C. soil pipe and eaves gutters defective.	Withdrawn. (Work done).	—			1	13	6
36, Spurstowe Road	Non-compliance with Magistrate's Order	Fined	1	2	0	2	2	0
19, Brampton Road	" "	" "	3	0	0	1	1	0
53, Amhurst Road	" "	Withdrawn ...	—			—		
9, Hindrey Place ...	" "	Fined	1	16	0	2	2	0
5, Hindrey Place ...	" "	" "	1	16	0	2	2	0
24, London Road...	Roof defective ...	Withdrawn. (Work done).	—			2	2	0
185, Sandringham Road.	Smoke nuisance ...	Order to abate in 14 days.	—			1	15	6
1, Hindrey Place ...	Rooms dirty ...	Withdrawn. (Work done).	—			2	2	0
		Carried forward	7	14	0	24	17	0

Prosecutions under the Public Health (London) Act, 1891,
during the year 1920—*continued.*

Address.	Complaint.	Magistrate's Decision.	Fine.			Costs.		
			£	s.	d.	£	s.	d.
170, Rushmore Rd.	Rooms dirty; roof and scullery floor defective.	Brought forward Order to abate in 14 days.	7	14	0	24	17	0
49, Ellingfort Road	Work Room dirty	Order to abate in 7 days.	—	—	—	2	2	0
32, Walsingham Rd.	No dustbin ...	Withdrawn. (Dustbin supplied).	—	—	—	1	13	6
33, Ballance Road	General insanitary condition.	Order to abate in 14 days.	—	—	—	0	4	0
14, Church Road ... Homerton.	" "	Withdrawn. (Work done).	—	—	—	2	2	0
10, Bradbury Street	Rooms dirty ...	" "	—	—	—	1	15	6
58, Ravensdale Rd.	General insanitary condition.	Order to abate in 28 days.	—	—	—	2	2	0
12B, Australian Av.	Rooms dirty ...	" "	—	—	—	1	15	6
Block " B " "	Burst water pipes...	" "	—	—	—	1	15	6
A, B, C, "	Roofs defective ...	" "	—	—	—	1	15	6
29, Church Crescent	No gutters to house and walls of rooms dirty.	Withdrawn. (Work done).	—	—	—	1	13	6
30, Church Crescent	" "	" "	—	—	—	1	13	6
36A, Duncan Square	Workshop dirty ...	Order to abate in 28 days.	—	—	—	2	2	0
126, Wick Road ...	General insanitary condition.	Withdrawn. (Work done).	—	—	—	1	13	6
19, Berger Road ...	" "	Order to abate in 14 days.	5	0	0	1	15	6
100, Bentham Road	Ground floor room damp.	Withdrawn. (Work done).	—	—	—	1	13	6
58, Brunswick St.	Dust bin defective...	Withdrawn. (New dust bin supplied).	—	—	—	1	13	6
76, Rendlesham Rd.	Damp walls ...	Withdrawn. (Work done).	—	—	—	1	18	6
34, Southwold Road	Room dirty; steps leaking.	" "	—	—	—	1	13	6
54, Paragon Road	Rooms dirty; wall damp; no dust bin.	Withdrawn. (Owner dead).	—	—	—	—	—	—
		Carried forward	12	14	0	58	1	6

Prosecutions under the Sale of Food and Drugs Acts
during the year 1920—*continued.*

Address.	Complaint.	Magistrate's Decision.	Fine.			Costs.		
			£	s.	d.	£	s.	d.
40, Well Street ...	General insanitary condition.	Brought forward Withdrawn. (Work done).	12	14	10	58	1	6
32, Tresham Avenue 170, Rushmore Rd.	" Non-compliance with Magistrate's Order	" Fined ... " "	—	—	—	1	13	6
147, Stamford Hill	Peaches deposited for sale unfit for food.	" "	3	0	0	1	11	6
2, Shacklewell Lane	Cocoa deposited for sale unfit for food.	" "	5	3	0	1	3	0
122, Hertford Road	Damp walls ...	Withdrawn. (Work done).	—	—	—	1	13	6
38, Well Street ...	Workrooms dirty...	" "	—	—	—	1	11	6
171, Graham Road	Drains defective ...	Order to abate in 21 days.	—	—	—	2	2	0
2, Welbury Street...	Roof defective, rooms dirty.	Withdrawn. (Work done).	—	—	—	1	13	6
469, Kingsland Rd.	Basement walls damp.	" "	—	—	—	1	13	6
3, De Beauvoir Rd.	Rooms dirty; dust bin dilapidated.	Order to abate in 21 days.	—	—	—	1	15	6
245, Rushmore Rd.	Roof and yard paving defective.	" "	—	—	—	1	15	6
100, Sandringham Road.	Eaves gutters de- fective.	Order to abate in 7 days.	—	—	—	1	15	6
1, Sigdon Road ...	Roof defective; rooms dirty.	Withdrawn. (Work done).	—	—	—	1	13	6
58, Spurstowe Road	Rooms dirty; dust bin dilapidated.	" "	—	—	—	1	13	6
151, Sandringham Road.	General insanitary condition.	Order to abate in 14 days.	—	—	—	3	3	0
6, Lenthall Road ...	Rooms dirty; sashes defective.	Withdrawn. (Work done).	—	—	—	1	15	6
8, Lenthall Road ...	General insanitary condition.	" "	—	—	—	1	15	6
30, De Beauvoir Square.	Eaves gutters and rain-water pipe defective.	Order to abate in in 21 days.	—	—	—	1	15	6
65, Templar Road	General insanitary condition.	Dismissed. (Work done).	—	—	—	—	—	—
67, Templar Road	Roof defective, flank wall damp.	" "	—	—	—	—	—	—
240, Glyn Road ...	Rear eaves gutter defective.	Withdrawn. (Work done).	—	—	—	0	10	6
		Carried forward	25	17	0	92	10	6

**Prosecutions under the Public Health (London) Act, 1891,
during the year 1920—continued.**

Address.	Complaint.	Magistrate's Decision.	Fine.			Costs.		
			£	s.	d.	£	s.	d.
242, Glyn Road ...	Rear eaves gutter defective.	Brought forward Withdrawn. Work done).	25	17	0	92	10	6
244, Glyn Road ...	" "	" "	—	—	—	0	10	6
44, Harrington Hill	Roof, yard paving and w.c. defective.	Withdrawn. (Work done).	—	—	—	1	15	6
46, Harrington Hill	Roof and dust bin defective.	" "	—	—	—	1	15	6
48, Harrington Hill	Eaves gutters and seat of w.c. defective.	" "	—	—	—	1	15	6
100, Sandringham Road	Non-compliance with Magistrate's Order	" "	—	—	—	1	15	6
399, Wick Road ...	Room dirty; w.c. defective.	Order to abate in 10 days.	—	—	—	2	2	0
7, Spurstowe Road	Rooms dirty ...	Withdrawn. (Work done).	—	—	—	1	15	6
10, Mortimer Road	Rooms dirty, roof and rain-water pipe defective.	" "	—	—	—	1	15	6
98, Buckingham Rd.	Drain and roof defective; rooms dirty.	" "	—	—	—	1	15	6
100, Buckingham Road.	Drain defective; staircase dirty.	" "	—	—	—	1	15	6
6, Frampton Park Road.	W.C.'s defective ...	" "	—	—	—	1	11	6
182, Stoke Newington Road.	Drain defective; rooms dirty.	" "	—	—	—	1	15	6
150, Lower Clapton Road.	Roof defective ...	Order to abate in 7 days.	—	—	—	2	0	6
1, Elizabeth Place...	Roof and eaves gutters defective; rooms dirty.	Withdrawn. (Work done).	—	—	—	2	2	0
2, Elizabeth Place...	" "	" "	—	—	—	—	—	—
3, Elizabeth Place ...	" "	" "	—	—	—	—	—	—
4, Elizabeth Place...	Roof leaking, ceiling dilapidated.	" "	—	—	—	—	—	—
5, Elizabeth Place...	Roof and eaves gutters defective; rooms dirty.	" "	—	—	—	—	—	—
33, Ballance Road	Non-compliance with Magistrate's Order	Withdrawn.	—	—	—	—	—	—
Carried forward			25	17	0	117	7	0

Prosecutions under the Public Health (London) Act, 1891,
during the year 1920—continued.

Address.	Complaint.	Magistrate's Decision.	Fine.			Costs.		
			£	s.	d.	£	s.	d.
92, Richmond Rd.	Drain defective ...	Brought forward Order to abate in 14 days.	25	17	0	117	7	0
151, Sandringham Road	Non-compliance with Magistrate's Order.	Fined	5	0	0	3	3	0
22, Ardleigh Road	General insanitary condition.	Order to abate in 21 days.	—			1	15	6
479, Kingsland Rd.	" "	Withdrawn. (Work done).	—			2	2	0
Ash Grove Works Ash Grove.	Smoke nuisance ...	Order to abate in 6 weeks.	—			3	3	0
2, Pembury Road...	Rooms dirty ...	Order to abate in 28 days.	—			2	2	0
187, Well Street ...	General insanitary condition.	Order to abate in 7 days.	—			1	15	6
242, Morning Lane	Dust bin defective	Withdrawn. (Dust bin sup- plied).	—			1	15	6
2, Mortimer Road...	General insanitary condition.	Order to abate in 14 days.	—			1	15	6
4, Mortimer Road	" "	" "	—			1	15	6
77, Mandeville Street	Dust bin defective	Withdrawn. (Work done).	—			1	13	6
85, Mandeville Street	No dust bin ...	Withdrawn. (Dust bin sup- plied).	—			1	13	6
187, Glyn Road ...	Rooms dirty; no dust bin.	Withdrawn. (Work done).	—			1	15	6
53, London Road...	Rooms dirty and verminous.	" "	—			0	15	6
28, Rendlesham Rd.	General insanitary condition.	" "	—			0	10	6
A B C Block, Aus- tralian Avenue.	Non-compliance with Magistrate's Order.	Fined	1	17	9	3	3	0
92, Richmond Rd.	" "	"	1	10	0	2	2	0
Stalls in Kingsland Road.	Sardines exposed for sale unfit for food.	"	3	0	0	2	16	6
171, Graham Road	Non-compliance with Magistrate's Order.	"	13	10	0	2	2	0
15, Marsh Hill ...	Ceilings of passage and staircase dirty.	Withdrawn. (Work done).	—			1	15	6
158, Morning Lane	Rooms dirty ...	" "	—			1	13	6
		Carried forward	50	14	9	158	11	0

Prosecutions under the Public Health (London) Act, 1891,
during the year 1920—*continued.*

Address.	Complaint.	Magistrate's Decision.	Fine.			Costs.		
			£	s.	d.	£	s.	d.
30, Retreat Place...	Roof defective ...	Brought forward Withdrawn. (Work done).	50	14	9	158	11	0
Connell's Laundry, Upper Clapton. 162, Graham Road	Smoke nuisance ... Rooms dirty, floor- ing defective.	Order to abate in 7 days. Order to abate in 21 days.	—	—	—	3	3	0
17A, Gransden Av.	W.C. choked; gut- ter defective.	Order to abate in 7 days.	—	—	—	1	15	6
22, Wick Road ...	Yard paving and eaves gutters de- fective.	Withdrawn. (Work done).	—	—	—	1	13	6
151, Sandringham Road.	Non-compliance with Magistrate's Order.	Fined	4	3	0	1	1	0
Stall, Chatsworth Road.	Condensed milk ex- posed for sale unfit for food.	Dismissed under Probation Act.	—	—	—	5	5	0
27, Kenton Road...	General insanitary condition.	Withdrawn. (Work done).	—	—	—	1	13	6
37, Kenton Road...	Sink waste pipe untrapped.	" "	—	—	—	1	13	6
55, London Road...	Roof and gutter de- fective.	Order to abate in in 7 days.	—	—	—	1	15	6
11, Laura Place ...	Walls damp, kitchen flue defective.	Order to abate in 28 days.	—	—	—	3	3	0
19, Presburg Street	Roof leaky, chim- ney flue defec- tive.	Withdrawn. (Work done).	—	—	—	2	2	0
43, Pedro Street ...	Rooms dirty; yard paving, eaves gut- ters and rain-water pipe defective.	Order to abate in 7 days.	—	—	—	1	15	6
45, Pedro Street ...	Rooms dirty; eaves gutters choked; damp walls.	Order to abate in 14 days.	—	—	—	1	15	6
148-150, Mare St....	Smoke nuisance ...	Order to abate in 3 months.	—	—	—	5	5	0
			£54	17	9	194	1	6

HOUSING AND TOWN PLANNING ACTS.

It has not hitherto been possible to carry out systematic inspection under the Housing and Town Planning Regulations. The appointment, now sanctioned, of three Sanitary Inspectors for the purpose will permit systematic inspection to be made and an accurate card indexed record to be compiled of the housing conditions of the Borough.

FACTORY AND WORKSHOP ACT, 1901,

Factories.—During the year, 162 factories were inspected by the officers of the Public Health Department, 9 being factory laundries, 92 factories in which articles of clothing, etc. were made and altered, and 61 in which articles other than wearing apparel were manufactured. In 34 factories the sanitary accommodation for women was defective, unsuitable or insufficient, or not separate from that for men.

Nuisance.	Found.	Abated by Workshop Inspector.	Abated by District Inspector.	Out-standing.
Unsuitable or defective w.c.'s	31	22	—	9
Insufficient w.c.'s	1	—	—	1
Not separate for sexes... ..	1	—	—	1

LIST OF INDUSTRIES IN THE BOROUGH OF HACKNEY.

The chief staple industries are the manufacture of boots, shoes, and pianos, but there are also extensive productions of the following :—

Tailored clothes for males and females ; dresses, shirts, ties, clothing and underclothing generally, millinery, hats, etc. ; cabinets, upholstery and furniture generally ; lead pencils, brushes, boxes, artificial flowers, toys, leather goods, gas

mantles, dolls, rubber goods, scents, drugs, dyes, paints and varnishes, artists' colours, joinery, foundry work (iron), electric signals, electrical instruments, glass, surgical instruments silk-weaving and embroidery, chemicals, aeroplanes; also there are several furriers, and a number of laundries.

Workshops.—The number of workshops registered in Hackney at the end of 1920, was 1,014, an increase of 6 on the number registered at the end of 1919. Of this total, 697 were workshops in which females were employed. Of these latter, 460 were workshops in which articles of wearing apparel were manufactured, altered or prepared for sale, etc., 207 in which other articles were manufactured, etc., and 30 were domestic workshops.

Amongst the workshops in which wearing apparel is manufactured, there were 300 in which females alone and 160 in which both males and females were employed.

In workshops of other occupations, there were 120 in which females alone, and 87 in which both males and females were employed.

Of the domestic workshops, females alone were employed in 17, and both males and females in 13.

During the year notices and complaints were received from H.M. Inspectors of Factories, as follows:—

Complaints—Factories	...	...	...	29
Complaints—Workshops	...	...	...	97
Notices---Workshops	...	...	...	65

Analysis of Occupations Carried on in the Registered Workshops of Hackney.

(A) WEARING APPAREL.

Occupations.	No. of Workshops.	Occupations.	No. of Workshops
Artificial Flower Makers	8	Hats	9
Baby Linen	2	Infants' Millinery	8
Beading	1	Mantles	45
Belts	0	Millinery	28
Blouses	42	Needlework	0
Boot and Shoe Manufac- turers	55	Pinafores	0
Boot Machinists	111	Shirts	1
Children's Costumes	7	Stays	8
Clerical Robes	1	Tailoring	88
Clothing	5	Ties	29
Collars	1	Trimmings	9
Dressmakers	60	Underclothing	16
Dressing and Tea Gowns	4	Vests	9
Fancy Bows on Shoes	5	Waterproofs	4
Fall Net Chenilling	0		<hr style="width: 100%;"/>
Furriers	62		618
			<hr style="width: 100%;"/>

(B) OTHER OCCUPATIONS.

Bakers and Confectioners	39	Rubber Goods	5
Baskets	4	Toy Makers	10
Box Makers	19	Trunk and Bag Makers	9
Brush Makers	12	Umbrella Makers	2
Cabinet Makers	66	Upholsterers	13
Doll Manufacturers and Dressers	8	Upholsterers' Trimmings	4
Fancy Leather Goods	32	Miscellaneous	116
Laundries	36		<hr style="width: 100%;"/>
Pianoforte Makers	21		396
			<hr style="width: 100%;"/>

During 1920, Miss Teebay, the Workshops Inspector, made 2,390 inspections and re-inspections of factories and workshops where females are employed. In connection with these inspections, 428 intimations and 51 statutory notices were served for the abatement of the nuisances found. In four instances legal proceedings were taken against owners of premises.

THE FACTORY AND WORKSHOPS ACT, 1901.

Factories, Workshops, Workplaces and Homework.

I.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries)	166	41	...
Workshops (Including Workshop Laundries)	2,469	752	5
Workplaces (Other than Outworkers' premises included in Part 3 of this Report)	3	1	...
Total	2,638	794	5

2.—DEFECTS FOUND.

Particulars.	Number of Defects			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts:—*</i>				
Want of cleanliness	298	356	...	5
Want of ventilation	43	41	...	...
Overcrowding	8	12	...	...
Want of drainage of floors	6	4	...	...
Other nuisances	97	116	...	...
Sanitary accommodation—				
Insufficient	3	2	...	...
Unsuitable or defective	130	137	...	...
Not separate for sexes... ..	10	15	...	...
<i>Offences under the Factory and Workshop Acts:—</i>				
Illegal occupation of underground bakehouse (s. 101) ... ..	...	...	...	...
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	43	43	...	...
Other offences ... ..	...	...	...	...
(Excluding offences relating to outwork which are included in Part 3 of this Report.)				
Total	638	726	...	5

* 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 UNWHOLESOME 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 (Section 110).	Prosecutions (Sections 109, 110).
	Twice in the year.			Once in the year.				Failing to keep or permit inspection of Lists.	Failing to send Lists.						
	Lists.	Outworkers.		Lists.	Outworkers.										
	Con-tractors.	Work-men.		Con-tractors.	Work-men.										
Wearing Apparel—															
(1) Making, &c. ...	334	56	3,041	15	...	42	233	...	...	1	...	...	...	...	...
(2) Cleaning and Washing	2	...	2	1	...	2	1	...	...	...	...	...	...	...	...
Lace, Lace Curtains and Nets	2	...	9	...	...	...	...	...	...	...	...	...	...	...	...
Furniture and Upholstery ...	6	6	72	...	...	...	2	...	...	...	...	...	...	...	...
Fur Pulling ...	16	...	16	...	...	...	9	...	...	...	...	...	...	...	...
Umbrellas, &c. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Artificial Flowers ...	12	...	108	...	...	...	4	...	...	1	...	...	...	...	...
Racquet and Tennis Balls ...	4	...	13	...	...	...	2	...	...	...	...	...	...	...	...
Paper, &c., Boxes, Paper Bags	38	...	560	...	...	...	23	...	...	...	...	...	...	...	...
Brush Making ...	26	...	693	...	...	...	10	...	...	...	...	...	...	...	...
Stuffed Toys ...	16	...	70	...	...	...	12	...	...	...	...	...	...	...	...
Basket Making ...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...
Cosaques, Christmas crackers, Christmas stockings, &c. ...	2	...	32	...	...	...	2	...	...	1	...	...	...	...	...
Total ...	458	62	4,616	17	...	44	299	...	...	3	...	...	...	...	...

Outworkers.—The number of outworkers on the register at the end of 1920 was 2,993, against 3,025 at the end of 1919. There were thus 32 outworkers removed from the register during the past year.

The following analysis shows the trades followed by these outworkers :—

Trade.	No. of Outworkers.	Trade.	No. of Outworkers.
Artificial Florist	74	Jewel Cases	1
Baby Linen	22	Lace Goods	7
Belts	31	Leather Goods	8
Blouses	214	Mantles and Costumes	191
Boots and Shoes	566	Millinery	165
Boxes	329	Paper Bags	24
Braces	8	Pyjama Making	12
Brushes	285	Shirts	40
Children's Costumes	35	Shoe Bows	38
Children's Millinery	22	Skirts	16
Clothiers and Outfitters	101	Tailoring	153
Collars and Bibs	18	Tennis Ball Covering	7
Confectionery Packing	15	Ties and Neckwear	170
Dolls and Toys	40	Trimmings	102
Dressing Gowns	16	Umbrellas	22
Embroidery	13	Underclothing	72
Envelope folding	3	Upholsterers' Trimmings	15
Fancy Goods	8	Christmas Crackers	6
Feather Trade	5	Miscellaneous	39
Fur Trade	70		—
Gaiters	10		2,993
Hats	12		=====
Hosiery	8		

2,616 names and addresses of outworkers residing in Hackney and receiving work from other districts were forwarded by the local authorities concerned. On examination of the lists of outworkers

sent in by employers in this Borough, addresses of 2,448 were found to be in other districts, and these names and addresses were forwarded to the local authorities of the respective districts.

During the year 1920, Miss Portlock, the Inspector appointed for the inspection of Outworker's premises, made 1,463 inspections and 1,037 re-inspections. She also made 384 visits, without inspections, the outworkers having left the premises (69), or having given up home work (51), or being out at the time of visit (185), or owing to a wrong address being given (43), or the premises being workshops (36).

Miss Portlock also discovered 8 new workshops and handed in their addresses for registration. During her visits of inspection she found 517 premises with sanitary defects. For the abatement of these she served 261 intimation notices. Of the 1,463 premises inspected, in only 5 was a room set apart entirely for the work. In the remainder, work was carried on in rooms used for other purposes, as under :—

Workroom, bedroom, kitchen and living rooms	...	61
" " and living room	... ..	82
" " " kitchen	... ..	168
" and kitchen	... ..	915
" " bedroom	... ..	203
" " parlour	... ..	20
" " scullery	... ..	6
" " bath room	... ..	1
" " landing	... ..	2
" provided separately	... ..	5
		<hr/>
		1,463
		<hr/> <hr/>

LONDON COUNTY COUNCIL (GENERAL POWERS) ACT, 1904.

During the year attention was drawn by the Medical Officer (Education) of the London County Council to 327 homes in the Borough from which children were attending school in a verminous condition, asking that steps be taken to deal with them under the above Act. These homes were inspected, with the following results :—

No. of Homes Inspected.	No. of Homes where Rooms alone were found Verminous.	No. of Homes where Bedding or Clothes and Rooms were found Verminous.	No. of Homes. not Verminous
327	14	15	298

The verminous bedding and clothing were taken to the disinfecting station and steamed, and the verminous rooms fumigated and, where necessary, notices were served upon the owners to cleanse and strip the rooms if vermin was afterwards found apparent.

RATS AND MICE DESTRUCTION ACT, 1919.

This Act came into operation on January 2nd, and 1,000 posters notifying penalties for failure to destroy rats and mice on premises were posted in the Borough.

The Council delegated the duties of enforcing this Act to the Public Health Committee.

An agreement has been entered into with a local firm of rat catchers, Messrs. Howard & Sons, for the destruction of rats in any cases where the Council might be held responsible for having this work carried out, and in this connection and for the convenience of householders of the Borough, a scale of fees was agreed upon with Mr. Howard so that persons responsible for the destruction of

rats could be referred to a reputable firm and at the same time informed of the scale of charges.

	£	s.	d.	
Small houses	1	1	0	each.
Warehouses, according to size, say on the average	5	0	0	„
Railway arches	1	1	0	„
Stables, up to 10 horses	1	5	0	„

During the year the following premises have been cleared of rats :—

2 stables,
The Old Pond Gardens,
30 houses.

Enquiries are of course made, in all cases where information of the presence of rats is received, into the condition of the drains.

After a premises has been cleared of rats by ferrets, etc., the rat catcher fills in any openings with cement as necessary and carries out any small repairs required to defective footings. After dealing with each house he keeps it under observation for one month to ascertain if there should be any re-invasion by rats.

Drains found to be defective are dealt with in the ordinary way by the Sanitary Inspectors.

ARTICLES OF FOOD SEIZED OR SURRENDERED AS UNFIT FOR FOOD.

During the year the following articles of food were seized by the inspectors, with the exception of Mr. Bobbitt (Food Inspector), or surrendered to them as being unfit for food, viz., Fish, 10 cwts. ; Meat, 2 cwts. ; fruit and vegetables, 6 cwts. ; milk, 22 tins ; and cheese, 106 lbs.

**SALE OF FOOD AND DRUGS ACTS, 1875-1907,
SAMPLES PURCHASED DURING 1920.**

Articles Purchased.	Number Purchased.	Number Adulterated.	Number where Proceedings taken.
Milk	609	24	17
Do. (separated) ...	1	—	—
Margarine	122	—	5 (served in plain wrapper). 1 (exposed for sale unlabelled).
Cocoa	34	1	1
Lard	16	—	—
Coffee	23	—	—
Pepper	6	—	—
Mustard	7	—	—
Olive Oil	9	—	—
Custard Powder... ..	6	—	—
Baking Powder	6	—	—
Dripping	5	—	—
Butter	45	—	—
Malt Vinegar	3	1	—
Vinegar	2	1	1
Cornflour	3	—	—
Arrowroot	3	—	—
Totals	900	27	25

**Prosecutions under the Sale of Food and Drugs Acts
during the year 1920.**

No. of Sample.	Article.	Adulteration or Offence.	Result of Legal Proceedings.	Fine.			Costs.		
				£	s.	d.	£	s.	d.
42w	Milk ...	8.24% added water...	Dismissed (Warranty proved)	—	—	—	—	—	—
68w	" ...	16.6% fat abstracted	Withdrawn on payment of	—	—	—	5	5	0
84w	" ...	26.47% added water	Dismissed (Warranty proved)	—	—	—	—	—	—
95w	" ...	5.53% added water	Dismissed on payment of	—	—	—	2	4	0
42w	" ...	Gave alleged false warranty to milk vendor.	Dismissed ...	—	—	—	—	—	—
84w	" ...	" "	" ...	—	—	—	—	—	—
148w	" ...	2.83% added water...	Fined ...	1	0	0	2	2	0
147w	" ...	1.77% added water...	Fined ...	1	0	0	2	2	0
161w	" ...	21% fat abstracted	Dismissed. (Warranty proved).	—	—	—	—	—	—
161w	" ...	Gave alleged false warranty to milk vendor.	Dismissed ...	—	—	—	—	—	—
214w	" ...	23.3% fat abstracted	" ...	—	—	—	—	—	—
215w	" ...	" "	" ...	—	—	—	—	—	—
101x	" ...	7.52% added water...	Withdrawn (3rd sample burst)	—	—	—	—	—	—
255x	Cocoa ...	16% sugar ...	Fined ...	0	5	0	0	10	6
28y	Margarine	Exposed for sale unlabelled.	" ...	1	0	0	1	1	0
28y	" ...	Served in plain wrapper.	" ...	1	0	0	1	1	0
36y	Vinegar ...	22.5% added water...	" ...	10	0	0	3	3	0
88y	Milk ...	5.88% added water...	Ordered to pay ...	—	—	—	5	5	0
118y	" ...	2.35% added water...	Withdrawn ...	—	—	—	—	—	—
123y	Margarine	Served in plain wrapper.	Fined ...	1	0	0	1	1	0
145y	Milk ...	32.7% fat abstracted	Dismissed. (Warranty proved.)	—	—	—	—	—	—
145y	" ...	Gave alleged false warranty to milk vendor.	Dismissed ...	—	—	—	—	—	—
Carried forward				15	5	0	23	14	6

**Prosecutions under the Sale of Food and Drugs Acts
during the year 1920.**

No. of Sample.	Article.	Adulteration of Offence.	Result of Legal Proceedings.	Fine.	Costs.
				£ s. d.	£ s. d.
32z	Margarine	Served in plain wrapper	Brought forward	15 5 0	23 14 6
			Fined	0 2 6	0 4 0
33z	" ...	" "	"	0 2 6	0 4 0
66z	Milk ...	93·3% fat abstracted	Dismissed on payment of	—	6 6 0
67z	" ...	26·83% added water	Fined	1 0 0	2 2 0
76z	" ...	4% added water ...	"	0 10 0	—
114z	Margarine	Served in plain wrapper.	"	0 7 6	0 12 6
148z	Milk ...	6·34% added water...	"	2 0 0	2 2 0
				£19 7 6	35 5 0

REPORT OF FOOD INSPECTOR FOR THE YEAR 1920.

Milkshops and Dairies.—1,366 inspections were made during the year. Four notices were served for cleansing and repairs, all of which have been complied with. In 5 cases vendors were warned for having dirty or unwashed measures in use. 31 new milk-sellers have been registered.

Cowhouses.—There are now 10 licensed cow-keepers with 11 sheds. Three licenses were not renewed at the last meeting of the Licensing Committee. 128 inspections were made during the year.

Offensive Trades.—Four visits were made to the one offensive business in the Borough. This has now ceased to exist, the occupier having decided to close up and the boiler and coppers have been dismantled and removed.

Glanders.—During the year enquiries were made into two cases of glanders.

Slaughterhouses and Meat Inspection.—284 visits were made to these during the usual slaughtering times when I examined the carcasses and organs of 168 oxen, 14 cows and bulls, 63 calves, 1,102 sheep and lambs, 45 pigs and 12 goats.

The allocation of live cattle to butchers holding "live" permits ceased at the end of June, and the butchers after that date were free to buy what they pleased; consequently the class of animal now being slaughtered is much better than during the period when they had to take whatever was allotted to them, and now no old cows, bulls or ewes are being slaughtered, as the whole of the butchers who have slaughterhouses only buy prime animals for their own trade and no carcasing is done for market.

The following I found diseased and had removed and destroyed :—

Carcases and all the organs of 3 cows affected with tuberculosis.

Fore quarters head, pluck and liver of an ox affected with tuberculosis.

Head and tongue of an ox affected with tuberculosis.

Carcase and all the organs of a sow in a dying condition when bled.

Carcase and all the organs of a calf in a dying condition when bled.

Portions of the hind quarters of a cow for extreme bruising.

Livers of 2 cows and 5 oxen affected with abcess.

Liver of 1 cow and 8 oxen affected with distomatosis.

Livers of 28 sheep affected with distomatosis.

Livers and lungs of 10 sheep affected with abcess.

Livers and lungs of 8 sheep affected with parasitic cysts.

Wholesale Preserved Provision Factories.—48 visits were made to these and on each occasion I found the carcasses, ox and pigs heads, and other meat of various kinds to be sound and free from disease, and the premises kept in a cleanly condition.

Miscellaneous Inspections and Unsound Food.—522 visits and inspections have been made on complaint and in connection with the sale of food. The amount of faulty Government bacon and hams coming into the Borough has diminished compared with previous years, but I have had to condemn 1 ton 14 cwt. 3 qrs. 4 lbs. which was sent to the fat melters to be rendered down for soap making.

The market thoroughfares have been frequently visited and the goods on the costers' stalls inspected. Four prosecutions have been taken during the year for exposing unsound food for sale and a conviction obtained in each.

The following foodstuffs have been condemned and destroyed:—

- 40 fowls.
- 11 partridges.
- 345 English rabbits.
- 87 lbs. imported rabbits.
- 1 carcase imported mutton.
- 4 legs and 4 fore quarters imported lamb.
- 1 barrel of pork trimmings.
- 1 bale of pork bones and tails:
- 1 imported ox liver.
- 1 tub of pig's hearts.
- Rump and loin of imported beef.
- Rump and buttock of imported beef.
- 2 flanks of imported beef.
- 121 tins of corned beef.
- 11 tins of ox tongues.
- 74 lbs. of imported cheese.

- 275 eggs.
- 3 lbs. butter.
- 317 tins of condensed milk.
- 5 cwt. cornflour.
- 1 box of apples.
- 20 lbs. of apples.
- 1 bag of imported cucumbers.
- 2 boxes of skate wings.
- 1 box of roker wings.
- 8 stone of roker wings.
- 21 boxes of kippers.
- 3 boxes of bloaters.
- 3 boxes of haddocks.
- 2 boxes of plaice.
- 6 stone of plaice.
- 1 barrel of herrings.
- 2 boxes of mackerel.

Articles seized and condemned at the Police Court :—

- 17 tins of condensed milk.
- 186 tins of sardines.
- 14 lbs. of pears.
- 14 peaches.

Total weight of all foodstuffs destroyed :—

- Meat, 3 tons 5 cwt. 2 qrs. 9 lbs.
- Bacon, 1 ton 14 cwt. 3 qrs. 4 lbs.
- Fish, 14 cwt. 2 qrs. 7 lbs.
- Fruit, 2 qrs. 2 lbs.
- Provisions, 9 cwt. 0 qrs. 25 lbs.

ARTHUR J. BOBSITT,
Inspector of Meat and other Foods.

**REPORT OF THE CANAL BOATS INSPECTOR
FOR THE YEAR 1920.**

Number of visits to waterways	45
„ boats inspected	23
„ boats not registered	2
„ boats conforming to Acts	15
„ boats infringing Acts	4
„ certificates not produced	3
„ interiors requiring repainting	7
„ certificates examined	17
Number of persons for which boats were registered—	
Adults	57
Children	Nil.
Number of persons living on boats so registered—	
Men	42
Women	Nil.
Children	Nil.

The boats required to be repainted included one which had been sunk for some days, and which was inspected on its journey to be docked for repairs immediately after it had been raised. These boats have been put in order.

The other boats were found to be in good condition. No legal proceedings were taken.

EDWIN S. CROOK,
Canal Boats Inspector.

INSPECTIONS BY

	Mr. Ellis, No. 1 District.	Mr. Bew, No. 2 District.	Mr. Vobe, No. 3 District.	Mr. Sadler, No. 4 District.	Mr. Body, No. 5 District.	Mr. High, No. 6 District.	Mr. Sheppard, No. 7 District.
INSPECTIONS.							
ON COMPLAINT—							
No. of premises inspected	275	309	372	145	448	413	568
No. of premises in which defects were discovered	238	295	292	141	280	360	420
BUILDER'S NOTICES—							
No. of premises inspected	2	—	11	6	—	5	—
GENERAL INSPECTIONS—							
No. of premises inspected	—	14	42	83	28	—	98
No. of premises in which defects were discovered	—	14	36	80	22	—	82
INFECTIOUS DISEASE—							
No. of premises inspected	138	221	107	80	225	152	178
No. of premises in which defects were discovered	45	72	31	24	90	80	52
No. of re-inspections. (All forms of inspection)	1,677	1,969	2,429	1,585	2,432	2,416	2,230
No. of premises in which defects were discovered	285	390	393	342	410	477	604
(All forms of inspection).							
No. of premises in which defects were abated	264	345	381	298	378	425	578
(All forms of inspection).							
Total number of Intimation Notices served	287	404	395	342	434	477	604
Total number of Final Notices served	100	84	20	—	—	—	28
Total number of Statutory Notices Served	46	46	80	26	44	79	48
Proceedings before Magistrate under Public Health (London) Act ...	1	12	21	2	14	10	7
HOUSING, TOWN PLANNING, ETC., ACT, 1909—							
No. of premises inspected	—	—	1	—	—	—	—
No. of premises in which defects were discovered	—	—	1	—	—	—	—
No. of premises in which defects were abated	—	—	1	—	—	—	—
FACTORIES AND WORKSHOPS—							
No. of inspections (other than laundries)	3	—	—	2	11	6	6
No. of inspections (laundries)	—	—	—	—	—	—	—
No. of inspections (other workplaces)	—	—	2	—	—	—	—
No. of premises in which defects were discovered	2	—	2	2	11	6	—

SANITARY INSPECTORS, 1920.

	Mr. Long, No. 8 District.	Mr. Goldworthy, No. 9 District.	Mr. Fawcett, No. 10 District.	Mr. Hillier, No. 11 District.	Mr. Crook, No. 12 District.	Mr. Tuslove, No. 13 District.	Mr. Hall, No. 14 District.	Mr. Fowler, Special.	Mr. Harvey, Special.	Mr. Punter, Special.	Mr. Bobbitt, Special.	Miss Tebbey, Special.	Miss Portlock, Special.	TOTAL.
83	271	412	78	260	82	437	16	138	296	—	59	—	—	4,662
81	199	356	78	244	72	364	14	135	214	—	52	—	—	3,835
—	14	12	—	16	2	8	—	6	5	—	—	—	—	87
83	180	95	67	66	44	63	154	—	11	—	—	—	—	1,028
82	175	88	55	64	41	46	138	—	8	—	—	—	—	931
20	201	136	24	87	76	169	5	142	114	—	—	—	—	2,075
9	130	58	9	31	69	102	2	78	25	—	—	—	—	907
740	1848	2,701	813	2,357	1,015	1,565	778	2,292	2,174	—	1,321	1,037	—	33,388
176	527	523	142	355	184	576	163	218	274	4	406	517	—	6,966
120	480	616	70	350	55	453	71	213	285	4	477	475	—	6,338
179	527	523	142	348	179	581	174	218	274	4	428	261	—	6,781
39	—	49	—	—	—	34	5	21	42	—	111	48	—	581
18	111	161	16	78	34	61	39	15	29	—	51	—	—	982
—	9	15	—	10	—	—	2	2	4	3	4	—	—	116
—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
—	4	11	—	—	—	7	—	42	—	—	1,044	—	—	1,136
—	—	—	—	—	—	—	—	—	—	—	—	25	—	25
—	—	2	—	—	—	—	—	—	—	—	—	—	—	4
—	4	7	—	—	—	4	—	18	—	—	406	—	—	462

	Mr. Ellis, No. 1 District.	Mr. Bew, No. 2 District.	Mr. Vohse, No. 3 District.	Mr. Sadler, No. 4 District.	Mr. Body, No. 5 District.	Mr. High, No. 6 District.	Mr. Sheppard, No. 7 District.
INSPECTIONS—continued.							
ICE CREAM PREMISES—							
No. of inspections	21	15	16	4	12	5	13
No. of Notices	—	2	2	2	2	—	1
No. of prosecutions	—	—	—	—	—	—	—
TENEMENT HOUSES—							
No. provided with additional water supply	—	—	—	—	—	—	—
OVERCROWDING—							
No. of houses overcrowded	—	3	4	9	—	—	1
No. remedied	—	—	4	—	—	—	1
No. of prosecutions	—	—	—	—	—	—	—
DAIRIES, COWSHEDS AND MILKSHOPS ORDER—							
No. of cowsheds inspected	—	—	—	—	—	—	—
No. of dairies inspected	—	—	—	—	—	—	—
No. of dirty utensils discovered	—	—	—	—	—	—	—
No. of premises where infringements of bye-laws discovered	—	—	—	—	—	—	—
No. of new registrations	—	—	—	—	—	—	—
SLAUGHTERHOUSES—							
No. of inspections	—	—	—	—	—	—	—
No. of premises where infringements of bye-laws discovered	—	—	—	—	—	—	—
MISCELLANEOUS INSPECTIONS—							
Mews and stables	1	—	5	6	—	—	—
Urinals... ..	1	—	27	6	15	21	14
Canal boats	—	—	—	—	—	—	—
Visits to waterways	—	—	—	—	—	—	—
Animals improperly kept	4	—	4	—	—	—	1
Offensive trades	—	—	—	—	—	—	—
New buildings (water certificates)	—	—	—	—	—	—	—
Floodings	—	—	—	—	—	—	—
Special inspections	23	300	420	65	115	31	80

	Mr. Long, No. 8 District.	Mr. Goldsworthy, No. 9 District.	Mr. Peverett, No. 10 District.	Mr. Hillier, No. 11 District.	Mr. Crook, No. 12 District.	Mr. Truslove, No. 13 District.	Mr. Hall, No. 14 District.	Mr. Fowler, Special.	Mr. Harvey, Special.	Mr. Punter, Special.	Mr. Bobbitt, Special.	Miss Teebay, Special.	Miss Fortlock, Special.	TOTAL.
—	9	9	—	14	—	—	—	—	9	14	—	—	—	141
—	1	—	—	2	—	—	—	—	—	—	—	—	—	12
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	1	—	—	—	—	—	—	—	—	—	—	—	1
—	1	3	—	2	—	—	—	—	—	—	—	—	—	23
—	1	1	—	—	—	—	—	—	—	—	—	—	—	7
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	128	—	—	128
—	—	—	—	—	—	—	—	—	—	—	1366	—	—	1,366
—	—	—	—	—	—	—	—	—	—	—	5	—	—	5
—	—	—	—	—	—	—	—	—	—	—	4	—	—	4
—	—	—	—	—	—	—	—	—	7	—	31	—	—	31
—	—	—	—	—	—	—	—	—	—	—	284	—	—	284
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	3	5	—	2	—	—	—	—	14	2	—	—	—	38
7	10	24	—	10	—	17	3	7	14	—	—	—	—	176
—	—	—	—	23	—	—	—	—	—	—	—	—	—	23
—	—	—	—	45	—	—	—	—	—	—	—	—	—	45
2	2	—	—	5	—	—	4	—	2	—	—	—	—	24
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	3	164	—	32	—	89	69	95	36	522	—	—	—	2,077

	Mr. Ellis, No. 1 District.	Mr. Bew, No. 2 District.	Mr. Vobe, No. 3 District.	Mr. Sadler, No. 4 District.	Mr. Body, No. 5 District.	Mr. High, No. 6 District.	Mr. Sheppard, No. 7 District.
INSPECTIONS—continued—							
MISCELLANEOUS INSPECTIONS — continued—							
Drains relaid or repaired	35	32	53	12	38	26	28
Attendances at Police Court	6	28	33	2	24	36	8
CONDEMNED AS UNFIT FOR HUMAN FOOD—							
Fish	—	—	—	—	—	—	2cwt.
Fruit and vegetables	—	—	—	—	—	—	2cwt.
Meat	—	—	—	—	—	—	—
Tinned foods	—	—	—	—	—	—	—
Other articles	—	—	—	—	—	—	—
SMOKE NUISANCES—							
No. of observations	—	—	2	10	—	—	52
No. of Intimation Notices served	—	—	2	3	—	—	2
No. of Statutory Notices served ...	—	—	—	—	—	—	2
No. of prosecutions	—	—	—	—	—	—	2
GENERAL INFORMATION.							
BAKEHOUSES—							
No. on Register at end of 1919	8	9	9	7	12	9	10
No. of Register at end of 1920	8	10	9	7	10	6	8
No. above ground	7	6	3	7	8	2	4
No. under ground	1	4	6	—	2	4	4
HOUSES LET IN LODGINGS—							
No. of Register at end of 1919	—	—	—	227	—	—	243
No. on Register at end of 1920	—	—	—	227	—	—	243
ICE CREAM PREMISES—							
No. on Register at end of 1919	21	8	33	3	12	16	20
No. on Register at end of 1920	21	15	16	4	12	4	13
PLACES WHERE FOOD PREPARED FOR SALE—							
No. on Register at end of 1919	3	5	14	—	12	14	10
No. on Register at end of 1920	3	4	14	16	12	3	10

Mr. Long, No. 8 District.	Mr. Goldsborough, No. 9 District.	Mr. Peverett, No. 10 District.	Mr. Hillier, No. 11 District.	Mr. Crook, No. 12 District.	Mr. Tuslove, No. 13 District.	Mr. Hall, No. 14 District.	Mr. Fowler, Special.	Mr. Harvey, Special.	Mr. Punter, Special.	Mr. Bobbitt, Special.	Miss Teebay, Special.	Miss Fortlock, Special.	TOTAL.
11	34	16	—	37	—	66	10	16	15	—	—	—	429
—	22	44	1	26	3	6	4	6	21	—	7	—	277
—	2cwt.	4cwt.	—	—	—	2cwt.	—	—	—	15	—	—	25cwt.
—	2cwt.	2cwt.	—	—	—	18lbs.	—	—	—	—	—	—	6cwt. 18 lbs. 5 tons 1 cwt. 3 qrs. 22 tins
—	—	1cwt.	—	—	—	—	—	—	—	5 tns	—	—	—
—	—	22 tins	—	—	—	—	—	—	—	—	—	—	—
—	—	1cwt.	—	—	—	—	—	—	—	9	—	—	10cwt.
—	—	8	7	22	—	—	—	—	—	—	—	—	101
—	—	7	1	4	—	—	—	—	—	—	—	—	19
—	—	1	—	1	—	—	—	—	—	—	—	—	4
—	—	—	—	1	—	—	—	—	—	—	—	—	3
—	7	13	—	2	—	12	—	2	6	—	—	—	106
—	7	13	—	2	—	12	—	9	6	—	—	—	107
—	5	11	—	—	—	2	—	2	5	—	—	—	62
—	2	2	—	2	—	10	—	7	1	—	—	—	45
—	—	—	—	—	—	—	—	—	—	—	—	—	470
—	—	—	—	—	—	—	—	—	—	—	—	—	470
—	16	9	—	12	—	—	—	14	13	—	—	—	177
—	9	9	—	14	—	21	—	9	13	—	—	—	160
—	14	12	—	4	—	—	—	5	4	—	—	—	97
—	7	6	—	5	—	—	—	5	4	—	—	—	89

TABLE OF DEATHS—*continued.*

AGES	...	...	Under 1 year.	1 to 2.	2 to 5	5 to 15.	15 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 to 75.	75 to 85.	85 and upwards.	All Ages.
Diarrhœa, Choleraic															
Diarrhœa	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Dysentery	...	...	...	...	...	...	...	...	...	1	...	1	1	...	3
Malarial Fever	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Hydrophobia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Glanders, Farcy...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Anthrax Splenic Fever...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tetanus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	9	...	...	...	...	...	1	1	...	...	...	...	11
Gonorrhœa, Stricture of Urethra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Septicæmia, Sapraemia	...	...	...	...	...	...	1	7	3	...	...	...	...	...	11
Puerperal Pyæmia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Phlegmasia Dolens...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	2	...	...	...	...	...	...	2
Infective Endocarditis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Pneumonia, Pneumonia Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	2	...	...	...	1	1	3	2	2	5	...	...	16
Septicæmia (not Puer- peral)	...	...	1	...	...	...	1	...	...	...	...	...	...	...	2
Pyæmia (not Puerperal)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phlegmon, Carbuncle (not Anthrax)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phagedæna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Septic Diseases	...	...	...	...	...	...	...	...	1	1	...	...	...	...	2

TABLE OF DEATHS—*continued.*

AGES	...	...	Under 1 year.	1 to 2.	2 to 5	5 to 15.	15 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 to 75.	75 to 85.	85 and upwards.	All Ages
Tuberculous Phthisis (Pulm. Tuberculosis).	...	2	...	3	40	42	40	33	16	...	...	...	...	...	176
"Phthisis"	...	...	...	...	3	1	3	5	1	1	...	...	...	...	14
Tuberculous Meningitis	4	4	7	5	5	...	...	...	...	...	...	...	...	...	25
Tuberculous Peritonitis	...	1	...	2	...	...	1	...	...	...	...	...	...	...	4
Tabes Mesenterica	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
Lupus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tubercle of other Organs	...	1	1	1	3	1	2	1	1	2	...	...	...	...	13
General Tuberculosis	...	2	1	3	3	1	2	...	2	2	...	...	...	...	16
Scrofula	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Parasitic Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Starvation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scurvy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholism, Delirium Tremens	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Opium, Morphia Habit	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ptomaine Poisoning	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Industrial Poisoning	by Lead	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		by Phos- phorus
			by Arsenic and other Metals
Rheumatic Fever, Acute Rheumatism	...	...	1	...	...	...	...	1	...	...	1	...	...	3	
Rheumatism of Heart...	...	...	...	1	2	...	2	...	...	1	...	...	...	6	
Chronic Rheumatism	...	...	...	...	...	...	...	2	2	1	2	...	...	7	

TABLE OF DEATHS—*continued.*

AGES	...	...	Under .1 year.	1 to 2.	2 to 5	5 to 15.	15 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 to 75.	75 to 85.	85 and upwards.	All Ages.
Rheumatic Arthritis, Rheumatic Gout	...	...	...	...	...	1	...	2	...	1	1	4	1	...	10
Gout	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Carcinoma	...	...	...	...	...	...	1	5	11	36	46	43	24	2	168
Sarcoma	...	...	...	...	1	...	2	3	5	3	6	1	1	...	22
Malignant Diseases, Cancer	...	...	...	...	...	...	...	1	3	11	19	15	6	1	56
Rickets	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Purpura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hæmophilia, Hæmor- rhagic Diathesis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Anæmia, Leucocythæmia	...	...	...	...	...	...	...	...	1	1	6	4	...	1	13
Diabetes Mellitus	...	...	...	...	...	2	1	...	1	4	3	1	...	...	12
Premature Birth	...	99	...	...	...	...	...	...	...	...	...	...	...	...	99
Congenital Defects	...	28	1	...	...	...	...	...	...	...	...	...	...	...	29
Injury at Birth	...	3	...	...	...	...	...	...	...	...	...	...	...	...	3
Atelectasis	...	16	...	...	...	...	...	...	...	...	...	...	...	...	16
Want of Breast Milk	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Teething...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	2
Suffocation-Overlaying	...	7	...	...	...	...	...	...	...	...	...	...	...	...	7
DISEASE OF NERVOUS SYSTEM.															
Meningitis, Inflamma- tion of Brain...	...	3	1	1	2	...	...	...	...	1	2	...	...	...	10
Softening of Brain	...	...	...	...	1	...	...	...	...	...	...	1	1	...	3
General Paralysis of In- sane	...	...	...	...	...	...	...	3	7	5	1	...	...	...	16

TABLE OF DEATHS—*continued.*

AGES	...	...	Under 1 year.	1 to 2.	2 to 5	5 to 15.	15 to 25.	25 to 35	35 to 45.	45 to 55.	55 to 65.	65 to 75.	75 to 85.	85 and upwards.	All Ages
Insanity (not Puerperal)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chorea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epilepsy	...	...	...	...	1	2	...	2	3	2	...	...	1	1	12
Convulsions	...	...	20	...	...	...	...	...	...	...	...	...	...	...	20
Laryngismus Stridulus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Locomotor Ataxy	...	...	...	...	...	...	...	...	...	1	1	...	...	...	2
Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paraplegia and Disease of Cord	...	...	...	...	...	...	...	...	...	1	1	2	...	...	4
Neuritis, Periph, Poly- Neuritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brain Tumour (not specific)	...	...	...	...	...	1	...	...	1	5	2	1	...	...	10
Nervous System, other Diseases	...	...	...	2	1	...	1	1	1	...	3	3	1	...	13
DISEASE OF ORGANS OF SENSE.															
Otitis, Mastoid Dis.	...	...	...	...	...	3	2	1	3	...	...	...	...	...	9
Epistaxis, Nose Dis.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia, Eye Dis.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Accidents	...	...	2	2	5	8	1	4	3	7	10	8	12	1	63
Violence	{	Suicide	...	...	...	...	...	4	3	8	6	7	...	...	28
		Drowned	1	...	...	1	4	...	2	8	2	1	...	...	19
		Murder	...	...	...	...	...	...	...	...	...	...	...	...	...
DISEASE OF HEART.															
Valve Dis., Endocarditis	...	...	...	...	...	4	9	21	11	14	32	44	27	6	168
Pericarditis	...	...	...	...	...	2	1	...	...	...	...	1	...	...	4

TABLE OF DEATHS—*continued.*

AGES	Under 1 year.	1 to 2.	2 to 5	5 to 15.	15 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 to 75.	75 to 85.	85 and upwards.	All Ages
Bronchitis	41	3	3	..	..	2	9	18	28	56	57	21	238
Lobar (Croupous) Pneumonia	2	...	...	2	5	4	8	8	11	4	3	...	47
Broncho, Catarrhal, Lobular Pneumonia	74	23	14	6	1	5	1	7	9	11	5	1	157
Pneumonia	9	2	8	8	5	4	6	6	13	9	2	...	72
Emphysema, Asthma	...	..	...	...	...	...	3	5	10	11	2	2	33
Pleurisy	...	...	...	...	...	1	2	2	2	...	...	...	7
Fibroid Dis. of Lung	...	...	...	...	...	...	3	3	1	1	...	...	8
Respiratory Dis., other...	1	...	...	1	...	...	...	1	3	...	1	...	7
DISEASE OF DIGESTIVE SYSTEM.													
Tonsilitis, Quinsey	...	...	3	...	2	...	1	...	...	...	...	...	6
Mouth, Pharynx, Dis. (not specific)	...	...	1	...	...	...	...	...	...	...	...	...	1
Gastric Ulcer	...	...	...	...	...	2	3	2	5	5	...	...	17
Gastric Catarrh or Gastritis	3	...	...	...	1	...	...	2	2	1	1	...	10
Stomach, other Dis. (not Malign.)	...	...	...	...	...	...	...	...	1	...	...	...	1
Enteritis (not Epidemic)	...	...	1	...	...	1	...	...	...	...	...	...	4
Gastro-Enteritis	5	...	...	...	...	...	...	...	...	...	...	...	5
Appendicitis, Perity- philitis	...	...	2	5	4	1	1	...	4	...	...	...	17
Hernia	...	...	...	...	...	...	2	...	1	4	3	...	10
Intestinal Obstruction...	...	...	...	...	...	1	...	2	3	1	1	...	8
Other Dis. of Intestines	16	1	...	...	1	...	1	2	2	...	...	...	23
Peritonitis (not Puerperal)	1	...	1	1	1	1	...	2	...	1	...	...	8

TABLE OF DEATHS—*continued.*

AGES	Under 1 year.	1 to 2.	2 to 5	5 to 15.	15 to 25.	25 to 35	35 to 45.	45 to 55.	55 to 65.	65 to 75.	75 to 85.	85 and upwards.	All ages
Disorders of Menstrua- tion
Gener. and Mam. Orgs., other Dis.
ACCIDENTS CHILDBIRTH.													
Abortion, Miscarriage	1	...	...	...	...	...	1
Puerperal Mania
Puerperal Convulsions...
Placenta Prævia, Flooding
Other Accid. of Preg. and Childbirth	3	1	...	...	...	...	...	4
JOINT DISEASE.													
Caries, Necrosis...
Anthraxis, Periostitis	1	...	...	...	...	...	...	1
Other Dis. of Locom. Syst.
SKIN DISEASE.													
Ulcer, Bedsore	1	...	1
Eczema
Pemphigus	2	...	...	...	...	...	...	...	...	...	...	...	2
Skin Disease, other
ILL-DEFINED CAUSES.													
Atrophy, Debility, Marasmus	37	1	...	...	...	...	...	...	...	...	...	...	38
Old Age...	2	21	74	33	130
Dropsy, Ascites
Tumour	1	...	...	3	...	2	2	1	...	9
Abscess
Sudden Death (cause unascertained)
Other Ill-defined Causes	1	...	...	1	1	1	1	2	...	7
Causes not Specified
Totals... ..	485	102	125	116	118	165	200	286	398	407	363	96	2,861