

**[Report of the Medical Officer of Health for Islington, Metropolitan Borough of].**

**Contributors**

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15465  
1923.



**SIXTY-EIGHTH**  
**ANNUAL REPORT**

ON THE  
**HEALTH & SANITARY CONDITION**

OF THE  
**METROPOLITAN**  
**Borough of Islington.**

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**G. CLARK TROTTER, M.D., D.P.H., F.R.S.E.**

**MEDICAL OFFICER OF HEALTH.**

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LONDON:  
WILKINSON BROS., LTD., 37-43, Green Lanes, Stoke Newington, N. 16.



# MEMBERS OF THE PUBLIC HEALTH COMMITTEE.

(November, 1923, to November, 1924.)

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*Mayor.*

SIDNEY CHARLES HARPER, J.P.

*Aldermen.*

FREDERICK EDWARD BRADSHAW

FREDERICK MONTAGUE, M.P.

*Councillors.*

Ward

1. WILLIAM H. GALE
2. HENRY PENN
2. EDWARD TOMKINS
3. WALTER FREDERICK NOKES
3. WILLIAM THOMAS SMITH
4. JAMES T. HOARE
4. HERBERT S. JORDAN
5. FREDERICK COPPING

Ward

5. FRANK E. WIDDOWSON
6. WILLIAM T. RICKETTS
6. ABRAHAM LEVISON
7. JAMES SKINNER, J.P.
8. WILLIAM J. MITCHELL
10. SARAH JOHNSON
11. HENRY JOHNSON

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<i>Chairman</i>	...	...	...	...	...	COUNCILLOR JORDAN
<i>Vice-Chairman</i>	..	...	...	...	...	COUNCILLOR SMITH

# MEMBERS OF THE MATERNITY AND CHILD WELFARE COMMITTEE.

(November, 1923, to November, 1924.)

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*Aldermen.*

RICHARD MONTFORD, J.P.

HENRY B. VORLEY, J.P.

*Councillors.*

Ward

1. WM. HERBERT GALE
1. HERBERT TICE
2. SIDNEY E. RAMSAY
3. GRACE WATSON
4. VINCENT P. CATTERMOLLE
5. ALBERT E. PETTET

Ward

6. REGINALD FRANKLIN
6. KATE SHARP, J.P.
7. JAMES SKINNER, J.P.
8. WILLIAM J. MITCHELL
10. SARAH JOHNSON
11. HENRY JOHNSON

*Members appointed by the Council from outside their own body.*

LADY ANDREWES, 1, North Grove, Highgate, N. 6  
DR. ALICE VANCE KNOX, 15, South Grove, N. 6  
MRS. COLEMAN, 76, Plimsoll Road, N. 4  
MRS. MATILDA SOUTHGATE, J.P., 507, Caledonian Road, N. 7  
MRS. WATT, 60, Highbury New Park, N. 5  
MRS. VORLEY, "Fern Bank," Holly Park, Crouch Hill, N. 4  
DR. KATE PLATT, 59, Queen Anne Street, W. 1

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<i>Chairman</i>	...	...	...	...	...	COUNCILLOR TICE
<i>Vice-Chairman</i>	..	...	...	...	...	COUNCILLOR KATE SHARP, J.P.





## SUMMARY

## of Vital Statistics in the Registration Year 1923.

<b>Population</b> (Enumerated at Census, 1921)	...	...	...	330,737 persons
„ Estimated Mid-Year 1923	...	...	...	336,600 persons
Increase on Census population, 1921...	...	...	...	5,863 persons
Mean Population, ten years (1913-1922)	...	...	...	318,529 persons
<b>Area</b> ... ..	...	...	...	3,092 acres
<b>Density</b> (Mid-year 1923)	...	...	...	109 persons per acre
<b>Births</b> ... ..	...	...	...	Males 3,493 Females 3,607 } persons 7,100
Birth rate	...	...	...	21.10 per 1,000 inhabitants
<b>Deaths from All Causes</b> ...	...	...	...	Males 1,978 Females 1,924 } persons 3,902
Death rate	...	...	...	11.60 per 1,000 inhabitants
<b>Deaths from Principal Epidemic Diseases</b>	...	...	...	Males 62 Females 66 } 128 persons
Death rate	...	...	...	0.38 per 1,000 inhabitants
<b>Deaths from All Tuberculosis</b>	...	...	...	Males 234 Females 155 } 389 persons
Death rate	...	...	...	1.16 per 1,000 inhabitants
<b>Deaths from Respiratory Tuberculosis</b>	...	...	...	Males 203 Females 134 } 337 persons
Death rate	...	...	...	1.00 per 1,000 inhabitants
<b>Infantile deaths</b> under 1 year	...	...	...	Males 255 Females 218 } Total 473
Infantile mortality rate	...	...	...	66 per 1,000 births
<b>Excess of Births over Deaths</b>	...	...	...	3,198
Rateable value of Borough of Islington	...	...	...	£1,886,328
Sum represented by a penny rate	...	...	...	£7,830



## PUBLIC HEALTH DEPARTMENT,

Municipal Offices,

Tyndale Place, N. 1.

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

I have the honour to submit the Annual Report on the Health and Sanitary Conditions of the Borough for the year 1923.

Included are the statistical tables as prescribed by the Ministry of Health.

The draft Report was submitted to the Public Health Committee in June, 1924. The death rate for 1923 was 11·6, the lowest recorded in the Borough records, which date from 1841.

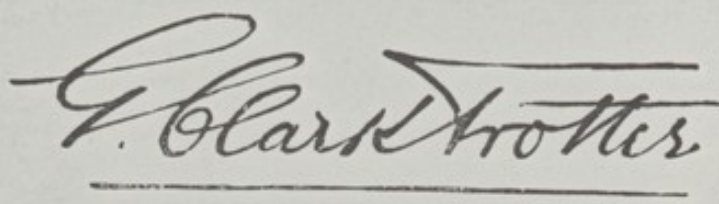
The Maternity and Child Welfare Scheme, both organisations, Municipal and Voluntary, have worked in unison. The Infantile Mortality rate—66 per 1,000 births—constitutes a record for Islington.

Towards the close of the year a Sub-Committee was appointed to consider possible extension of the Municipal activities.

I am,

Ladies and Gentlemen,

Your obedient Servant,

A handwritten signature in dark ink, reading "G. Clark Trotter". The signature is written in a cursive style with a horizontal line underneath the name.

*Medical Officer of Health.*





# REPORT

OF THE

## Medical Officer of Health

### FOR THE YEAR 1923.

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SPECIAL REPORTS (OTHER THAN THE HEALTH OF THE BOROUGH)  
AND OUTSTANDING MATTERS BROUGHT BEFORE THE  
PUBLIC HEALTH OR MATERNITY AND CHILD WELFARE COMMITTEES  
DURING THE YEAR.

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#### SUMMARY.

1. **Health Week.**—As regards educational propaganda, special efforts were made to arouse the interest of the citizens in Child Welfare and Health matters generally during Health Week. See page 8.
2. **Smoke Nuisance, etc.**—Observations to the number of 215 were taken during the year, and two cases were proceeded with in Court, pages 38-39.
3. **Rats and Mice (Destruction) Act, 1919.**—A summary of the supervisory work of the Rat Officer will be found on page 40.
4. **Meat, Food and Drugs.**—(a) *Contamination by Dust*, page 43. (b) *The Labelling of Meat and Eggs (Food Order, 1921)*, page 44. (c) *Unsound Food*, page 42. (d) *Preservatives and Colouring Matter in Food*, page 45-46. (e) *Inexperience of many Small Shopkeepers*, page 46. (f) *Sophistication of Milk*, page 49. (g) *Dispensing of Prescriptions*, page 47.
5. **Health Visitation.**—Sub-Committee *re* possible extension of Municipal Work, page 11.
6. **Index to Report.**—Pages 61-63.





## POPULATION.

The population of the Borough in 1923, estimated by the Registrar-General, was 336,600 persons, of whom 157,530 were males and 179,070 females. Thus it is shown there was a total increase of 2,700 persons as compared with those of the preceding year.

In the following tables will be found information respecting the sex, age and estimated populations of the several sub-registration districts and wards, together with particulars of their areas and densities.

*Showing the Areas, Densities and Estimated Populations of the Sub-registration Districts at the middle of the year 1923, also the Populations at the Census, 1921.*

Sub-Districts.	Area. Acres.	Estimated Acres to a person.	Estimated Persons to an Acre.	Estimated Population Mid-year 1923.	Enumerated Population at Census 1921.	Increase or Decrease on Census.
Tufnell ... ..	411	0·0120	83	34,143	33,750	+ 393
Upper Holloway ...	299	0·0089	111	33,268	35,721	— 2,453
Tollington ... ..	315	0·0101	99	31,225	30,832	+ 393
Lower Holloway ...	406	0·0097	102	41,522	40,139	+ 1,383
Highbury ... ..	749	0·0123	81	60,825	58,850	+ 1,975
Barnsbury ... ..	316	0·0057	175	55,333	53,859	+ 1,474
South East Islington	596	0·0074	135	80,284	77,586	+ 2,698
The Borough ...	3,092	0·0092	109	336,600	330,737	+ 5,863

*Showing the Areas, Densities and Estimated Populations of the Wards at the middle of the year, 1923, also the Populations at the Census, 1921.*

WARDS.	Area in Acres.	Estimated Persons to an Acre or Density of Population.	Estimated Population Mid-year 1923.	Enumerated Population Census, 1921	Increase or Decrease on Census.
No. 1—Tufnell ... ..	411	83	34,143	33,750	+ 393
2—Upper Holloway	299	111	33,268	35,721	— 2,453
3—Tollington ... ..	315	99	31,225	30,832	+ 393
4—Lower Holloway	406	102	41,522	40,139	+ 1,383
5—Highbury ... ..	417	78	32,736	33,417	— 681
6—Mildmay ... ..	332	85	28,089	25,433	+ 2,656
7—Thornhill ... ..	178	174	30,913	31,301	— 388
8—Barnsbury ... ..	138	177	24,420	22,558	+ 1,862
9—St. Mary's ... ..	150	121	18,164	17,363	+ 801
10—Canonbury ... ..	290	110	31,888	29,997	+ 1,891
11—St. Peter's ... ..	156	194	30,232	30,226	+ 6
The Borough ...	3,092	109	336,600	330,737	+ 5,863

*Showing the Estimated Number of Persons living in Islington at Mid-year, 1923, at Nine Age Periods, distinguishing Males and Females.*

Ages.	Males.	Females.	Persons.
0—5 ... ..	14,812	14,473	29,285
5—15 ... ..	30,967	30,293	61,260
15—25 ... ..	25,918	31,641	57,559
25—35 ... ..	24,908	30,293	55,201
35—45 ... ..	21,542	25,918	47,460
45—55 ... ..	18,850	20,532	39,382
55—65 ... ..	12,118	13,801	25,919
65—75 ... ..	6,396	8,416	14,812
75 and upwards	2,019	3,703	5,722
All ages... ..	157,530	179,070	336,600





## MARRIAGES.

**Marriages, 2,764; Marriage Rate, 16·4.**—The number of persons married was 5,528, as contrasted with 5,754 in the preceding year, which is a decrease of 226. The marriage rate was 16·4 per thousand inhabitants, as compared with 17·2 in 1922.

The following statement shows the figures for the previous ten years 1913-22.

Years.	Marriages.	Marriage Rate.	Years.	Marriages.	Marriage Rate.
1913	2,984	17·98	1918	2,971	18·51
1914	3,188	19·63	1919	3,306	19·28
1915	4,252	26·12	1920	3,370	20·05
1916	3,080	18·30	1921	3,141	18·86
1917	2,689	16·23	1922	2,877	17·23

## BIRTHS.

There were 7,100 births registered, of which 3,493 were boys, and 3,607 girls. Of this number, however, 1,024 were born of mothers living in Islington, although they were confined in Lying-in Institutions, and in other homes situated outside the Borough. The annual birth rate was equal to 21·1 per 1,000 of the population, as compared with a mean birth rate of 22·1 in the preceding ten years.

*Showing the Births (distinguishing Males and Females) and Birth-rates of Islington in 1923, and in the four quarters of the year and of the County of London and the Great Towns during the same period; also in the year 1922; together with the mean Borough Birth-rates for the 10 years 1913-1922.*

Quarter.	Males.	Females.	Total.	BIRTH RATES.			
				Islington, 1923.	Islington, 1913-22.	London, 1923.	105 Great Towns, 1923.
First ...	935	934	1,869	22·2	22·7	21·4	21·2
Second ...	968	945	1,913	22·7	22·6	21·7	21·4
Third ...	851	889	1,740	20·7	21·4	20·4	20·5
Fourth ...	739	839	1,578	18·7	21·3	18·7	18·9
<b>The Year 1923</b>	3,493	3,607	*7,100	21·1	22·1	20·2	20·4
1922 ...	3,788	3,718	7,506	22·5	21·1	21·0	21·4
Increase or decrease	— 295	— 111	— 406	— 1·4	+ 1·0	— 0·8	— 1·0

\* These include 1,024 births which occurred in Lying-in Institutions, etc., outside the Borough.

N.B.—The total registered births given by the Registrar-General for the Calendar year 1923 will be found at the foot of table on p. 8.

*Showing the Births of Males and Females and the Birth-rates in each quarter and for the year 1923, and in the several Sub-Registration Districts.*

	Tufnell.				Upper Holloway.				Tollington.				Lower Holloway.			
	Males.	Females.	Total.	Birth rates.	Males.	Females.	Total.	Birth rates.	Males.	Females.	Total.	Birth rates.	Males.	Females.	Total.	Birth rates.
1st Quarter	91	89	180	21·1	84	96	180	21·6	86	76	162	20·7	128	130	258	24·8
2nd "	98	93	191	22·4	100	90	190	22·8	86	95	181	23·2	127	116	243	23·4
3rd "	59	91	150	17·6	88	112	200	24·0	93	83	176	22·5	105	123	228	22·0
4th "	59	89	148	17·3	87	71	158	19·0	73	74	147	18·8	84	109	193	18·6
<b>YEAR ...</b>	307	362	669	19·6	359	369	728	21·9	338	328	666	21·3	444	478	922	22·2

Showing the Births of Males and Females and the Birth-rates in each of the Sub-Registration Districts, and for the year 1923, and for the year 1922.

| Year | 1st Quarter |  | 2nd |  | 3rd |  | 4th |  | Total |  | Average |  | Range |  | Standard Deviation |  | Coefficient of Variation |  | Kurtosis |  | Skewness |  | Theoretical |  | Actual |  | Difference |  | Percentage |  | Ratio |  | Index |  | Score |  | Grade |  | Rank |  | Position |  | Status |  | Condition |  | Quality |  | Quantity |  | Value |  | Cost |  | Profit |  | Loss |  | Gain |  | Net |  | Gross |  | Operating |  | Non-Operating |  | Total |  | Before |  | After |  | Change |  | Increase |  | Decrease |  | Net Change |  | Percentage Change |  | Ratio Change |  | Index Change |  | Score Change |  | Grade Change |  | Rank Change |  | Position Change |  | Status Change |  | Condition Change |  | Quality Change |  | Quantity Change |  | Value Change |  | Cost Change |  | Profit Change |  | Loss Change |  | Gain Change |  | Net Change |  | Gross Change |  | Operating Change |  | Non-Operating Change |  | Total Change |  | Before Change |  | After Change |  | Change Change |  | Increase Change |  | Decrease Change |  | Net Change Change |  | Percentage Change Change |  | Ratio Change Change |  | Index Change Change |  | Score Change Change |  | Grade Change Change |  | Rank Change Change |  | Position Change Change |  | Status Change Change |  | Condition Change Change |  | Quality Change Change |  | Quantity Change Change |  | Value Change Change |  | Cost Change Change |  | Profit Change Change |  | Loss Change Change |  | Gain Change Change |  | Net Change Change |  | Gross Change Change |  | Operating Change Change |  | Non-Operating Change Change |  | Total Change Change |  | Before Change Change |  | After Change Change |  | Change Change Change |  | Increase Change Change |  | Decrease Change Change |  | Net Change Change Change |  | Percentage Change Change Change |  | Ratio Change Change Change |  | Index Change Change Change |  | Score Change Change Change |  | Grade Change Change Change |  | Rank Change Change Change |  | Position 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Showing the **Births of Males and Females and the Birth-rates in each quarter and for the year 1923, and in the several Sub-Registration Districts.**—*contd.*

	Highbury.				Barnsbury.				Islington South-East.				The Borough.			
	Males.	Females	Total.	Birth rates.	Males.	Females	Total.	Birth rates.	Males.	Females	Total.	Birth rates.	Males.	Females	Total.	Birth rates.
1st Quarter	162	139	301	19.8	175	182	357	25.8	209	222	431	21.5	935	934	1,869	22.2
2nd "	162	145	307	20.2	178	201	379	27.4	217	205	422	21.0	968	945	1,913	22.7
3rd "	129	133	262	17.2	183	156	339	24.5	194	191	385	19.2	851	889	1,740	20.7
4th "	118	135	253	16.6	141	170	311	22.5	177	191	368	18.3	739	839	1,578	18.7
YEAR ...	571	552	1,123	18.4	677	709	1,386	25.0	797	809	1,606	20.0	3,493	3,607	7,100	21.1

**Illegitimate Births (219).**—The number of illegitimate births, 219, shows an increase of 8 on the return of the year 1922. They were equal to a rate of 3.1 per 100 registered births. A table for former decennial periods was given in the Report for 1921.

**Notification of Births Act, 1907.**—5,493 births were notified, exclusive of 132 still born, or 77.3 per cent. of the total number that was registered during the year. They were notified by doctors, midwives, parents and guardians as follows :

Notified by :	Doctors.		Midwives.		Parents and other Persons.		Total.	
	Alive.	Still born	Alive.	Still born.	Alive.	Still born.	Alive.	Still born.
1923.								
1st Quarter ...	158	5	721	21	550	10	1,432	36
2nd " ...	233	8	730	13	527	9	1,490	30
3rd " ...	251	4	662	18	370	8	1,283	30
4th " ...	326	10	677	20	285	6	1,288	36
Year ...	968	27	2,793	72	1,732	33	5,493	132

### DEATHS.

The deaths numbered 3,902, while the death-rate was equal to 11.6 per 1,000 of the population, or 2.2 lower than that of the preceding year (13.8), and was 3.7 less than the average of the previous 10 years. Indeed it was the lowest rate to be found in the Borough records since 1841.

*The Deaths and Death-rates from All Causes in the Sub-Registration Districts were as follows :—*

Sub-Districts.	QUARTERS.								The Year.	
	1		2		3		4			
	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.
Tufnell ... ..	99	11·6	89	10·4	66	7·7	105	12·3	359	10·5
Upper Holloway	128	15·4	87	10·4	75	9·0	96	11·5	386	11·6
Tollington ...	117	15·0	89	11·4	84	10·8	102	13·1	392	12·5
Lower Holloway	140	13·5	128	12·3	102	9·8	123	11·8	493	11·9
Highbury ...	174	11·4	162	10·7	130	8·5	179	11·8	645	10·6
Barnsbury ...	178	12·9	151	10·9	149	10·8	168	12·1	646	11·7
Islington (South-East) ...	277	13·8	216	10·8	221	11·0	267	13·3	981	12·2
THE BOROUGH	1,113	13·2	922	10·9	827	9·8	1,040	12·4	3,902	11·6



Showing the Deaths and Death Rates of London in 1923, and in the four years of the year, and the County of London in the four years during the same period, and the main Borough Death Rates for the years 1913-22, and the deaths and death rates in the year 1923.

Quarter.	London, 1923.	London, 1913-22.	London, 1923.	London, 1913-22.	The Year 1923.	The Year 1923.
First	10.8	10.2	11.2	10.2	11.2	10.2
Second	10.8	10.2	11.2	10.2	11.2	10.2
Third	10.8	10.2	11.2	10.2	11.2	10.2
Fourth	10.8	10.2	11.2	10.2	11.2	10.2
The Year 1923.	10.8	10.2	11.2	10.2	11.2	10.2
1923	10.8	10.2	11.2	10.2	11.2	10.2
Increase or Decrease.	— 2.2	— 2.2	— 2.2	— 2.2	— 2.2	— 2.2

Classified Causes.	1923.	1913-22.	1923.	1913-22.	1923.	1913-22.
I. Structural Diseases	10.8	10.2	11.2	10.2	11.2	10.2
1. Malignant Diseases	10.8	10.2	11.2	10.2	11.2	10.2
2. Tuberculosis	10.8	10.2	11.2	10.2	11.2	10.2
3. Malignant Diseases	10.8	10.2	11.2	10.2	11.2	10.2
4. Tuberculosis	10.8	10.2	11.2	10.2	11.2	10.2
5. Tuberculosis	10.8	10.2	11.2	10.2	11.2	10.2
6. Tuberculosis	10.8	10.2	11.2	10.2	11.2	10.2
II. Parasitic Diseases	10.8	10.2	11.2	10.2	11.2	10.2
III. Infectious Diseases	10.8	10.2	11.2	10.2	11.2	10.2
IV. Constitutional Diseases	10.8	10.2	11.2	10.2	11.2	10.2
V. Degenerative Diseases	10.8	10.2	11.2	10.2	11.2	10.2
VI. Local Diseases	10.8	10.2	11.2	10.2	11.2	10.2
1. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
2. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
3. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
4. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
5. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
6. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
7. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
8. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
9. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
10. Diseases of the Nervous System	10.8	10.2	11.2	10.2	11.2	10.2
VII. Violence	10.8	10.2	11.2	10.2	11.2	10.2
1. Accident or Suicide	10.8	10.2	11.2	10.2	11.2	10.2
2. Suicide	10.8	10.2	11.2	10.2	11.2	10.2
3. Suicide	10.8	10.2	11.2	10.2	11.2	10.2
4. Execution	10.8	10.2	11.2	10.2	11.2	10.2
5. By Bomb (Enemy Air)	10.8	10.2	11.2	10.2	11.2	10.2
VIII. Ill-defined Causes	10.8	10.2	11.2	10.2	11.2	10.2
All Causes	10.8	10.2	11.2	10.2	11.2	10.2

Showing the **Deaths and Death Rates** of Islington in 1923, and in the four quarters of the year, and of the County of London and the Great Towns during the same period, the mean Borough Death Rates for the 10 years 1913-22, and the deaths and death-rates in the year 1922.

Quarter.	Males.	Females.	Total.	DEATH RATES.			
				Islington, 1923.	Islington, 1913-22.	London, 1923.	105 Great Towns, 1923.
First ... ..	565	548	1,113	13.2	19.2	12.5	13.1
Second ... ..	476	446	922	10.9	14.0	10.8	11.9
Third ... ..	421	406	827	9.8	11.5	9.4	9.4
Fourth ... ..	516	524	1,040	12.4	15.8	12.1	11.8
<b>The Year 1923...</b>	<b>1,978</b>	<b>1,924</b>	<b>3,902</b>	<b>11.6</b>	<b>15.3</b>	<b>11.2</b>	<b>11.6</b>
1922 ... ..	2,334	2,280	4,614	13.8	11.6	13.4	13.0
Increase or Decrease	— 356	— 356	— 712	— 2.2	— 3.7	— 2.2	— 1.4

**Causes of Death (Classified).**—The following table shows the deaths arranged in classes of Disease from All Causes during the ten years 1913-22, and in 1923.

Classified Causes of Death.	Years.										Mean 10 Yrs.	1923	Differ- ence.
	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922			
<b>I. SPECIFIC OR FEBRILE CAUSES</b>	448	572	618	380	391	1361	579	552	464	639	600	273	— 327
1. Miasmatic Diseases ...	284	299	451	268	293	1258	466	437	301	546	460	155	— 305
2. Diarrhoeal " ...	99	174	94	56	56	51	36	28	85	29	71	40	— 31
3. Malarial " ...	—	1	—	—	—	2	2	2	—	—	1	—	— 1
4. Zoogenous " ...	4	2	—	3	2	—	1	2	1	—	1	—	— 1
5. Venereal " ...	19	21	23	15	15	15	13	13	17	17	17	20	+ 3
6. Septic " ...	42	75	50	38	25	35	61	70	60	47	50	58	+ 8
<b>II. PARASITIC DISEASES</b> ...	1	—	—	1	1	—	1	1	—	3	1	1	—
<b>III. DIETETIC .. ...</b>	17	11	36	3	3	4	2	2	4	7	9	2	— 7
<b>IV. CONSTITUTIONAL DISEASES</b> ...	1032	1056	1132	1095	1114	1101	973	918	985	935	1034	945	— 89
<b>V. DEVELOPMENTAL</b> ...	468	512	554	522	486	520	657	556	486	477	524	377	— 147
<b>VI. LOCAL</b> ...	2718	2488	2847	2457	2344	2596	2177	2172	2203	2362	2436	2106	— 330
1. Diseases of Nervous System	376	363	418	339	351	330	322	341	345	330	351	294	— 57
2. " Organs of Special Sense ...	20	14	17	12	14	10	11	20	13	9	14	16	+ 2
3. " Circulatory System	733	660	722	669	681	691	654	592	651	734	679	745	+ 66
4. " Respiratory "	958	896	1147	1006	887	1156	770	822	717	903	926	598	— 328
5. " Digestive "	362	304	319	233	243	246	215	224	260	204	261	259	— 2
6. " Lymphatic "	10	15	9	16	9	3	11	10	14	11	11	11	—
7. " Urinary "	213	193	182	149	130	137	151	129	168	134	159	157	— 2
8. " Reproductive "	26	18	18	24	18	8	17	20	13	20	18	10	— 8
9. " Bones and Joints ..	6	10	8	9	5	9	12	5	3	8	7	8	+ 1
10. " Integumentary System	14	15	7	—	6	6	14	9	19	9	10	8	— 2
<b>VII. VIOLENCE</b> ...	195	201	234	183	159	156	162	179	142	137	175	151	— 24
1. Accident or Negligence ...	157	165	194	156	122	115	132	140	99	94	137	105	— 22
2. Homicide... ..	3	3	3	4	1	3	2	2	3	3	3	8	+ 5
3. Suicide ... ..	34	33	37	23	11	27	28	37	40	39	31	38	+ 7
4. Execution ... ..	1	—	—	—	—	—	—	—	—	1	—	—	—
5. By Bombs (Enemy Aircraft) ..	—	—	—	—	25	11	—	—	—	—	4	—	— 4
<b>VIII. ILL-DEFINED CAUSES</b> ...	149	98	125	111	102	103	89	95	84	54	101	47	— 54
<b>All Causes</b> ...	5028	4938	5546	4752	4600	5841	4640	4475	4368	4614	4880	3902	— 978

## 1922-23 DEATHS

The following statement gives the ages at which persons died in the period 1922-23, and the returns for the preceding ten years.

Age	Number of deaths	Mean Deaths 10 years, 1913-22	Increase or decrease on mean
0-1 years	1,000	1,000	0
1-2 years	1,000	1,000	0
Under 5 years	1,000	1,000	0
5-12 years	1,000	1,000	0
13-20 years	1,000	1,000	0
21-30 years	1,000	1,000	0
31-40 years	1,000	1,000	0
41-50 years	1,000	1,000	0
51-60 years	1,000	1,000	0
61-70 years	1,000	1,000	0
71-80 years	1,000	1,000	0
81-90 years	1,000	1,000	0
91 years and over	1,000	1,000	0
Total	10,000	10,000	0

## INFANT MORTALITY

Infant Deaths 1922: Mortality Rate 68. Total 173 deaths. Infant mortality rate 1922 was 68 per 1,000 births, and they were 69 per 1,000 in 1921, 68 per 1,000 in 1920, 67 per 1,000 in 1919, 66 per 1,000 in 1918, 65 per 1,000 in 1917, 64 per 1,000 in 1916, 63 per 1,000 in 1915, 62 per 1,000 in 1914, 61 per 1,000 in 1913, 60 per 1,000 in 1912, 59 per 1,000 in 1911, 58 per 1,000 in 1910, 57 per 1,000 in 1909, 56 per 1,000 in 1908, 55 per 1,000 in 1907, 54 per 1,000 in 1906, 53 per 1,000 in 1905, 52 per 1,000 in 1904, 51 per 1,000 in 1903, 50 per 1,000 in 1902, 49 per 1,000 in 1901, 48 per 1,000 in 1900.

In the quarter ending 31st March 1923, 43 per 1,000 deaths in the first 48 in the second 41 in the third 40 in the fourth.

In the sub-divisions infant mortality was as follows:

Sub-division	Infant Deaths	Mortality per 1,000
Tatnell	41	49
Upper Holloway	41	41
Tottenham	37	35
Lower Holloway	35	31
Highbury	30	27
Barnsbury	23	24
Tottenham North End	152	23

In London the infant mortality was 60 per 1,000 births, while in the six parishes including Tottenham it was 63.

The rate for England and Wales was 69 per 1,000 births.



## AGES AT DEATH.

The following statement gives the ages at which persons died in the borough, and contrasts them with the returns for the preceding ten years :

Ages.	Number of Deaths, 1923.	Mean Deaths (10 years), 1913-22.	Increase or Decrease on mean.
0-1 year	473	674	-201
1-5 years	186	427	-241
Under 5 years	659	1,101	-442
5-15 years	108	187	-79
15-25 "	147	196	-49
25-35 "	197	276	-79
35-45 "	279	364	-85
45-55 "	461	539	-78
55-65 "	593	645	-52
65-75 "	709	803	-94
75-85 "	602	603	-1
85 upwards	147	166	-19
	3,902	4,880	-978

## INFANTILE MORTALITY.

**Infant Deaths, 473; Mortality Rate, 66.**—There were 473 deaths among infants under twelve months old during the year, or 201 below the decennial average (674) and they represented an infant mortality rate of 66 per 1,000 infants born. This rate is 26 per 1,000 births below the mean annual record of the preceding ten years, and it is the lowest infant mortality rate hitherto recorded in Islington.

In the quarters the mortality ranged from 73 per 1,000 births in the first quarter, 46 in the second, 72 in the third, and 78 in the fourth.

In the sub-registration districts the infant mortality was as follows :

Sub-District.	Infant Deaths.	Mortality per 1,000 Births.
Tufnell ... ..	31	46
Upper Holloway ... ..	47	64
Tollington ... ..	37	55
Lower Holloway ... ..	75	81
Highbury ... ..	69	61
Barnsbury ... ..	82	59
Islington South East ... ..	132	82

In London the infant mortality was 60 per 1,000 births, while in the six boroughs encircling Islington it was 63.

The rate for England and Wales was 69 per 1,000 births.





# **Infantile Mortality during each of the Ten Years 1913-22, and 1923.**

*Deaths at various ages under One Year of Age.*

Years.	Under one week.	WEEKS.			Total under four weeks.	MONTHS.				Total Deaths under one year.	Deaths per 1,000 Births.
		1-2	2-3	3-4		4 weeks and under 3 mths.	3-6	6-9	9-12		
1913	195	49	47	29	320	187	178	111	102	898	107
1914	179	40	39	33	291	159	181	118	100	849	104
1915	155	49	35	31	270	142	152	125	116	805	107
1916	129	32	27	21	209	128	116	92	89	634	87
1917	93	38	23	7	161	106	108	99	91	565	97
1918	123	31	19	14	187	87	112	78	107	571	110
1919	158	32	22	21	233	95	92	60	45	525	83
1920	142	54	37	22	255	141	120	79	81	676	72
1921	131	34	35	22	222	104	148	96	71	641	81
1922	125	37	29	22	213	80	97	96	93	579	77
Mean 10 years	143	40	31	22	236	123	130	95	90	674	92
1923	128	35	20	11	194	72	104	54	49	473	66
Increase or decrease on mean	- 15	- 5	-11	-11	- 42	- 51	- 26	- 41	- 41	-201	- 26

*Showing the Deaths among Infants per 1,000 Births during the Year 1923 and also the mortality rates for the Years 1913-1922.*

SUB-DISTRICTS.	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	Mean 10 years	1923	Increase or decrease on mean
Tufnell ..	108	93	65	84	99	93	50	41	53	83	77	46	- 31
Up. Holloway ..	119	86	118	67	68	83	79	69	76	59	82	64	-18
Tollington ..	104	92	135	93	102	135	98	58	83	58	96	55	-41
Lr. Holloway ..	121	134	118	107	121	130	101	66	93	81	107	81	-26
Highbury ..	89	93	109	74	83	99	83	67	93	64	85	61	-24
Barnsbury ..	128	119	107	103	114	122	91	89	87	86	105	59	-46
Islington, S.E. ..	98	105	108	91	89	107	81	79	77	88	92	82	-10
The Borough ..	107	104	107	87	97	110	83	72	81	77	92	66	-26

The following table shows the diseases that proved most fatal in the first year of child life, together with the mortality rates per 1,000 births.

*Showing the Mortality per 1,000 Births among Infants under one year of age, in the ten years 1913-22 and in 1923, from certain specified causes.*

Causes of death.	1923. Rate per 1,000 Births.	Mean rate 10 years 1913-22 per 1,000 Births.	Difference.
Premature Birth and Congenital Defects ..	18.87	20.73	- 1.86
Bronchitis and Pneumonia ..	9.72	18.81	- 9.09
Atrophy and Marasmus ..	5.07	12.49	- 7.42
Diarrhoeal Diseases (all forms) ..	4.93	6.31	- 1.38
Convulsions ..	1.41	1.65	- 0.24
Whooping Cough ..	3.10	3.57	- 0.47
Measles ..	0.28	3.02	- 2.74
Diphtheria ..	0.28	0.41	- 0.13
Phthisis ..	0.42	0.41	+ 0.01
Other forms of Tuberculosis ..	0.99	1.78	- 0.79
Total of above ..	45.07	69.18	-24.11
All other causes ..	21.53	23.34	- 1.81
Total ...	66.60	92.52	-25.92





## Metropolitan Borough of Islington.

## INFANTILE MORTALITY DURING THE CALENDAR YEAR 1923.

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

CAUSE OF DEATH.		Under 1 week	WEEKS.			Total under 4 weeks	MONTHS.				Total Deaths under 1 year	
			1-2	2-3	3-4		4 weeks and under 3 months	3-6	6-9	9-12		
ALL CAUSES.	Certified .. Uncertified	128 —	35 —	21 —	11 —	195 —	72 —	105 —	54 —	49 —	475 —	
{	Small-pox ..	—	—	—	—	—	—	—	—	—	—	
	Chicken-pox ..	—	—	—	—	—	—	—	—	—	—	
	Measles ..	—	—	—	—	—	—	—	—	2	2	
	Scarlet Fever ..	—	—	—	—	—	—	—	—	—	—	
	Whooping Cough ..	—	—	—	—	—	2	9	5	6	22	
	Diphtheria, Croup..	—	—	—	—	—	—	—	—	2	2	
	Erysipelas...	—	—	—	—	—	—	1	—	1	2	
	Tuberculous Men- ingitis ..	—	—	—	—	—	1	2	1	2	6	
	Abdominal Tuber- culosis ..	—	—	—	—	—	—	—	—	1	1	
	Other Tuberculous Diseases ..	—	—	—	—	—	—	—	1	2	3	
	Meningitis (not Tu- berculous).	—	—	1	—	1	1	2 <sup>3</sup>	3 <sup>4</sup>	—	7	
	Convulsions ..	3	3	1	—	7	2	—	1	1	11	
	Laryngitis...	—	—	—	—	—	—	—	—	—	—	
	Bronchitis...	—	—	—	—	—	4	5	2	1	12	
	Pneumonia (all forms) ..	1	5	2	—	8	11	20	13	6	58	
	Diarrhoea ..	—	2	—	2	4	9	10	7	6	36	
	Enteritis ..	—	1	2	—	3	10	30	9	7	59	
	Gastritis ..	1	1	—	—	2	3	2	—	5	12	
	Syphilis ..	2	—	—	—	2	2	—	2	1	7	
	Rickets ..	—	—	—	—	—	—	1	—	—	1	
	Suffocation, over- lying ..	—	—	—	—	—	3	1	—	—	4	
	Injury at birth ..	3	1	—	—	4	—	—	—	—	4	
	Atelectasis ..	5	—	—	—	5	—	—	—	—	5	
	{	Congenital Malfor- mations ..	27	4	2	2	35	7	6	2	—	50
		Premature birth...	64	9	2	3	78	3	2	1	—	84
Atrophy, Debility and Marasmus...		13	2	6	4	25	10	6	3	2	46	
Other Causes ..		9	7 <sup>†</sup>	5	—	21	4	8 <sup>†</sup>	4	4	41	
Totals .		128	35	21	11	195	72	105	54	49	475	

Nett Births { legitimate ... 6,838 } 7,117      Nett Deaths in { legitimate infants ... 441  
in the year { illegitimate ... 279 } the year of { illegitimate infants ... 34

\* Cerebro-Spinal Fever (4).    † Acute Polio-encephalitis (1).    ‡ Ophthalmia Neonatorum (1).

## REPORT ON THE MATERNITY AND CHILD WELFARE WORK.

EDUCATION PROPAGANDA.—Work on this was co-ordinated with the efforts as in former years designated "Health and Baby Week."

Commencing on 2nd October, 1923, a series of lectures was arranged for in Islington. The first lecture was held in the hall adjoining 10, Drayton Park, opposite the East Islington Welfare Centre, and was given by Dr. Octavia Lewin. The attendance was good, and the subject, "Prevention of a Common Cold," evoked especial interest, judging by the number of questions which were asked.

By the kindness of the Public Libraries Committee, a lecture by the Medical Officer of Health was included in the series arranged at the Central Library. This, likewise, was well attended.





A Cinema lecture at the Holy Trinity Hall, Richmond Road, arranged by the West Islington Welfare Centre, was a great success, there being no vacant seats. A lecture on "The Sub-conscious Mind," by Dr. Jessie Campbell Maxwell, was given at the North Islington Welfare Centre, and the Centre was open for inspection.

Dr. Nankivell, Medical Officer of Health for Hornsey, at the invitation of the South Islington Centre, gave a lecture at 6, Clephane Road, N., on the 9th October, 1923. A large and appreciative audience listened to a very interesting lecture entitled "Babies of yesterday and to-morrow."

There is no doubt that education in health matters, that is, on the preventive side, has made for great improvement in recent years. Not only has this education gone hand in hand with the improvement in sanitation, but in the most recent times a decided advancement has been made in reducing the number of deaths among infants and young children. In this respect, considerable credit is due to the prominence given by the public press to matters of health, to the work done by voluntary associations, and agencies, and not by any means least, to the active interest now taken by local authorities, including Borough Councils, in these matters.

It is not the object of "Health Week" to do more than by lectures, addresses, and exhibits, to put people on the right lines to help themselves.

#### OPHTHALMIA NEONATORUM AND OPHTHALMIA.

Ophthalmia Neonatorum is an inflammatory disease with purulent discharge occurring in the eyes of infants within three weeks of birth.

66 cases of Ophthalmia Neonatorum were notified as against 116 in 1922.

24 cases of Ophthalmia were reported (62 in 1922) by the London County Council.

22 out of the 66 cases of Ophthalmia Neonatorum were attended at birth by midwives.

The cases occurred in the sub-registration districts as follows :

	Tufnell.	Upper Holloway.	Tollington.	Lower Holloway.	High-bury.	Barnsbury.	South East.	The Borough
Cases notified by Doctor .	7	6	10	4	5	11	18	61
Cases notified by Certified Midwives ... ..	1	1	—	1	2	—	—	5
Cases reported by L.C.C..	3	1	—	1	—	8	11	24

Of the 90 cases investigated, both of the infants' eyes were affected in 67 instances, whilst in 13 the right eye was involved and in 10 the left.

TREATMENT.—14 of 66 Ophthalmia Neonatorum cases were admitted to St. Margaret's Hospital.

19 of 66 Ophthalmia Neonatorum cases were treated at home by private Doctors.

17 cases of inflammatory disease of infants' eyes were nursed by the North London Nursing Association for the Council at the cost of £22 3s. (In 1922, 63 cases were nursed at the cost of £53 10s.). As skilled attention decreases the possibility of partial or complete blindness, the cost incurred was very essential.

RESULTS.—Of the 66 Ophthalmia Neonatorum cases :

63 cases completely clear.

3 cases partial impairment of the right eye.

DEATHS.—One death was certified as due to Ophthalmia Neonatorum.



## TYPHOID FEVER.

**DEFINITION.**—The Royal College of Physicians' definition of Typhoid Fever, Septicemia, Typhus, Septic Typhoid, Septic Meningitis, and other acute inflammation in the blood occurring as the direct result of enteric fever.

23 cases were reported in 1932 and 21 in the previous year, being in the ratio of 3.10 per 1,000 population. The number was 1 below the average (23) of the 10 years, and showed a decrease of 0.75 to the population of attacks to 1,000 during the year 1932.

**CASES OF TYPHOID FEVER REPORTED AND REPORTED INTO DURING THE YEAR 1932.**

Source of Report	Number of Cases	Number of Deaths	Number of Cases Reported into
General Practitioners	1	0	1
Private Practitioners	1	0	1
Hospital Cases	1	0	1
Central Military Hospital	1	0	1
Cases reported into	2	0	2
Cases treated in hospital	2	0	2
Cases treated in private	1	0	1

Of the 23 cases, 18 were reported to the General Practitioner, 11 cases were reported to the Central Military Hospital, 1 case was reported to the Private Practitioner, and 1 case was reported to the Hospital.

**DEATHS.**—A total of 2 deaths were reported during the year 1932, 1 case was reported to the General Practitioner, 1 case was reported to the Central Military Hospital, and 1 case was reported to the Private Practitioner.

## THE MENTAL AND PHYSICAL CONDITION OF THE PATIENTS AND NURSES.

The main object of the survey was to determine the physical and mental condition of the patients and nurses, and to determine the effect of the disease on the patients and nurses. The survey was conducted by the General Practitioner, the Central Military Hospital, and the Private Practitioner.

The results of the survey are given in the following table, which shows the physical and mental condition of the patients and nurses.

Source of Report	Number of Cases	Number of Deaths	Number of Cases Reported into
General Practitioners	1	0	1
Private Practitioners	1	0	1
Hospital Cases	1	0	1
Central Military Hospital	1	0	1
Cases reported into	2	0	2
Cases treated in hospital	2	0	2
Cases treated in private	1	0	1

**EXTENSION OF MEDICAL WORK.**—The Maternity and Child Welfare Committee of the Local Health Authority, and the Local Health Authority, have been asked to consider and report on the work of the Maternity and Child Welfare Committee, and the Local Health Authority, in the extension of medical work.

## PUERPERAL FEVER.

DEFINITION.—The Royal College of Physicians' definition of Puerperal Fever is : Septicæmia, Pyæmia, Septic Peritonitis, Septic Metritis, and other acute septic inflammation in the pelvis occurring as the *direct result of child-birth*.

22 cases were notified in 1923, and 20 during the previous year, being in the proportion of 3·10 per 1,000 births. The notifications were 1 below the average (23) of the preceding 10 years, and showed a decrease of 0·06 in the proportion of attacks to 1,000 births.

Cases of PUERPERAL FEVER notified and inquired into during the year 1923.

	Tufnell.	Upper Holloway.	Tollington.	Lower Holloway.	High-bury.	Barnsbury.	South East	The Borough
Cases notified ... ..	1	—	3	4	5	7	2	22
Private Practitioners' Cases	—	—	3	3	3	2	1	13
Hospital Cases ... ..	1	—	—	1	1	2	1	6
Certified Midwives' Cases	—	—	—	—	—	3	—	3
Cases inquired into ... ..	1	—	3	4	5	7	2	22
Cases treated in Hospital	1	—	1	4	4	6	2	18
Cases treated at Home ...	—	—	2	—	1	1	—	4

Of the 22 notified cases, 18 were treated in Hospitals. 11 cases were removed to Metropolitan Asylums Board Hospitals; and 7 cases were removed to other London Hospitals.

DEATHS.—Nine deaths were registered as being due to Puerperal Fever. Six of these, however, were not notified, and are not included in the cases given in above tabular summary.

#### THE MILK SCHEME FOR NECESSITOUS EXPECTANT AND NURSING MOTHERS AND CHILDREN UNDER FIVE YEARS OF AGE.

The sum expended during the year 1923 in the provision of fresh and dried milk for necessitous expectant and nursing mothers and children under five years of age amounted to £3,581 10s. 11d., as against £2,729 3s. 7d. in 1922. The total amount expended since the Order came into operation is £36,527 14s. 4d.

The scheme for the distribution of milk was altered by resolution of the Council at their meeting on the 26th October, 1922.

The scale is given below :

No. in family.	Free.	Half-cost.
1 13/- after deduction of rent	...	15/- after deduction of rent
2 10/6 per head after deduction of rent		12/6 per head after deduction of rent
3 8/6                   "                   "		10/-                   "                   "
4 7/6                   "                   "		8/6                   "                   "
5 7/-                   "                   "		8/-                   "                   "
6 6/6                   "                   "		7/6                   "                   "

EXTENSION OF MUNICIPAL WORK.—The Maternity and Child Welfare Committee on the 12th December appointed a Sub-Committee to consider and report as to the work of the Health Visitors and the necessity (if any) of increasing the staff in the Maternity and Child Welfare section of the Public Health Department.





## POPULATION.

	NORTH. Wards 1, 2, 3.	SOUTH. Wards 9, 10, 11, and Part of 6.	EAST. Ward 5, and Parts of 4 and 6.	WEST. Wards 7, 8, and Part of 4.	TOTAL.
1923 (Approximate Estimate)	98,630	96,240	53,050	88,680	336,600 29,285 up to 5 years old.

## BIRTHS.

1922	2,095 (Actual)	1,792 (Approximate)	1,167 (Approximate)	2,452 (Approximate)	7,506
1923	2,063 (Actual)	1,606 (Approximate)	1,123 (Approximate)	2,308 (Approximate)	7,100

**Number on Books** 1st April, 1924, *i.e.*, Record Cards of Children to be visited. Exclusive of Record Cards marked "Attending Centre," and "Above Standard," "Visits declined," and "Visits not necessary" ... .. 16,563

## SUMMARY OF VISITS BY HEALTH VISITORS, YEAR 1923.

DISTRICT ...	1	2	3	4	5	6	7	TOTALS.
I. BIRTHS, FIRST VISITS, Infants under 1 Year ...	634	729	769	849	1,254	878	745	5,858
II. BIRTHS, RE-VISITS, Infants under 1 Year ...	325	468	527	191	303	87	200	2,101
III. VISITS TO CHILDREN, between 1st and 2nd Years	263	203	425	214	355	147	245	1,852
IV. VISITS TO CHILDREN, between 2nd and 5th Years	154	189	395	248	375	249	112	1,632
V. VISITS <i>re</i> STILL BIRTHS ...	14	16	23	19	33	16	20	141
VI. DEATHS, VISITS, <i>re</i> Infants under 1 Year ...	5	10	7	12	13	11	16	74
VII. DEATHS, VISITS, <i>re</i> Children 1 to 5 Years	—	1	—	—	—	2	1	4
VIII. ANTE-NATAL, HOME VISITS ...	31	32	41	46	45	10	16	221†
IX. PUERPERAL FEVER, HOME VISITS ...	1	3	5	4	6	1	2	22†
TOTALS ...	1,427	1,651	2,102	1,583	2,384	1,401	1,357	11,905
X. ATTENDANCES AT WELFARE CENTRE* ...	16	23	46	41	43	13	37	219
XI. OTHER WORK BY DIRECTION ...	40	79	82	48	23	46	33	350
XII. VISITS DECLINED ...	38	50	23	41	12	4	21	190
XIII. VISITS, HOUSE SHUT ...	545	774	492	664	566	497	451	3,989
GRAND TOTAL OF VISITS ...	2,066	2,577	2,745	2,377	3,028	1,961	1,899	16,653



## SUMMARY OF VISITS BY HEALTH VISITORS—Continued.

ANALYSIS OF VISITS included in I.-IX. relating to		DISTRICT							TOTALS.
		1	2	3	4	5	6	7	
(a)	Ophthalmia Neonatorum ...	13	35	15	14	37	48	11	173
(b)	Epidemic (Summer) Diarrhoea ...	1	—	—	—	1	—	—	2
(c)	Other Digestive Diseases ...	7	5	6	—	2	—	14	34
(d)	Pneumonia and Bronchitis ...	7	11	—	—	11	—	5	34
(e)	Rickets ...	8	20	5	1	19	—	19	72
(f)	Measles and German Measles ...	1	3	—	—	—	—	1	5
(g)	Whooping Cough ...	5	18	14	5	12	—	1	55
(h)	Tuberculous Disease (Pulmonary & other forms)	—	1	—	2	—	—	—	3
(i)	Convulsions ...	1	—	—	—	3	—	—	4
(j)	Polio-myelitis ...	—	—	—	—	—	—	—	—
(k)	Premature Birth ...	17	26	38	20	39	14	28	182
(l)	Atrophy, Debility and Marasmus ...	8	3	6	2	11	1	2	33
(m)	All other investigations (** Specify)	32	51	68	76	59	62	149	497
(n)	Routine Visits included in I. to IX. and not included in (a) to (m) ...	1,327	1,478	1,950	1,463	2,190	1,276	1,127	10,811
***TOTALS (a) to (n) ...		1,427	1,651	2,102	1,583	2,384	1,401	1,357	11,905
TOTAL FAMILIES VISITED ..		1,196	1,376	1,602	1,252	1,758	1,052	1,181	9,417

† These totals include 153 first visits to Ante Natal Cases, and 9 first visits to Puerperal Fever.

\*Specify nature of work—*e.g.*, M.O. Consultation, Weighing babies, Dressings, Temperature taking, Selling of Dried Milk. Talk to Mothers, subject dealt with and time occupied.

\*\**e.g.*—Infectious Diseases other than Measles, Whooping Cough, Epidemic Diarrhoea, Polio-myelitis, etc. Syphilis, Rheumatism, N.N.B., Illegit, etc

\*\*\*TOTALS (a) to (n) should correspond with TOTALS I. to IX.





## REPORT OF WORK—VOLUNTARY CENTRES.

Particulars of the activities of the four Islington Voluntary Infant Welfare Centres were received from their Conjoint Committee.

Among these, apart from the clinics and consultations for mothers and children, are efforts which show well-organised educational propaganda, comprising clubs for thrift, holidays, home-helps, and dental treatment.

Individual centres slightly vary in their social methods. For instance, one has a library for mothers and children, while some, under the auspices of committees of fathers, mothers or parents, provide lectures which are well attended and at which opportunities are given for questions and discussions.

These activities are in addition to the routine of health talks and sewing classes for teaching and making of suitable garments, held at all the centres.

Several of the centres are recognised for the training of infant welfare students and of infant welfare pupils, scholarship holders of the London County Council.

Some provide home-helps; two, indoor treatment for special cases; and all arrange facilities for hospital treatment, convalescence, etc.

The work of the centres is carried out systematically, careful records being kept so that the health of the child and the ante-natal history of the mother, as far as available, can be passed on to the education authorities when the child becomes of school age.

The routine work of the centres is undertaken by staffs consisting of doctors, dentists, nurses and masseuses, supplemented by voluntary workers, the consultations being held practically daily, when the babies are examined and weighed and the mothers advised. Home visits are made by the nurses and voluntary workers who give guidance and see that the directions of the doctor are followed.

The various departments of the four voluntary Centres, with the attendances for 1923, may be summarised thus:—

	NORTH.	SOUTH.	EAST.	WEST.	TOTAL.
1. ANTE-NATAL CLINICS AND AILING MOTHER CLINICS.					
Number held weekly ...	3	1½*	1	1	6½
Number of attendances ...	1,561	616	373	657	3,207
2. CONSULTATION FOR CHILDREN UP TO 5 YEARS OF AGE.					
Number held weekly ...	10	8	6	7	31
Number of attendances ...	14,396	13,796	10,857	13,528	52,577
3. HOME VISITING.					
Number of visits made ...	14,401	9,198	6,935	9,821	40,355
4. DENTAL CLINICS.					
Number attending ...	393	145	33	53	624
Number of attendances or arrangements made for attendances ...	1,155	270	76	112	1,613
5. MORNING CALLERS.					
Number of attendances ...	1,178	538	—	982	2,698
6. MESSAGE CLINICS.					
Number of cases given massage or sent for massage ...	98	—	85	40	302
	—	79	—	—	
7. WARDS.					
Number of beds ...	18	—	—	8	26
Number of patients received	166	—	—	101	267
8. NUMBER OF CHILDREN ON BOOKS	1,743	1,387	1,066	1,022	5,218

\*Two clinics one week; one following week = 1½ weekly.

It will be evident as the reports at the centres show, that the work must be continued in a careful infantile investigation, a vast improvement in the physical condition of the children was secured, and the number of such hopeless ignorance of young children which ignorance has in the past been the cause of many avoidable mistakes—having fatal results on the physical development and ill-health in the offspring.

The whole work, and sustained work of the many ladies who give so much of their time to the physical condition of the mother and child, must be appreciated by all.

This work is now being done in a very different way at the mother before the birth of the child, and the child is being brought up in a more healthy condition, and the health of the mother is being maintained. The health of the mother is being maintained by the health of the child.

#### DEATHS IN LOCAL INSTITUTIONS

**Within the Borough.**—Deaths in the Local Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103.

Of the 103 deaths in the Local Institutions, 37 occurred in the Infirmary, 27 in the Hospital, 18 in the Workhouse, 15 in the Asylum, and 10 in the Lunatic Asylum. The total number of deaths in the Local Institutions for the year 1922 was 103, and in the Public Institutions for the year 1922 was 103.

**Without the Borough.**—Deaths in the Local Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103.

These 700 deaths represented 1 per cent of all the deaths registered in the year 1922.

**Within and Without the Borough.**—Deaths in the Local Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103.

**Fatal Accidents or Sudden Deaths outside the Borough.**—Deaths in the Local Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103, and in the Public Institutions for the year 1922 were 103.

During the previous year (1921) the total deaths in Local Institutions numbered 1,034, being 1,034 deaths in the Local Institutions, plus 631 non-institutional deaths in the Borough, and 103 deaths in the Public Institutions, the number in the Local Institutions being 977, the number in the Public Institutions being 103.



It will be evident, as the reports of the centres show, that the work must have its culmination in a reduced infantile death rate, a vast improvement in the physical condition of the children who attend, and the removal of much hopeless ignorance of young mothers, which ignorance has in the past been the cause of many avoidable mistakes—too often having fatal results or producing mal-development and ill-health in the offspring.

The whole-hearted and sustained efforts of the many ladies who give so much of their time to the betterment of conditions affecting the mother and child must be appreciated by all.

This work of supervision, advice and guidance of the mother before the birth of her child, and the health supervision from birth to five years of age, as carried out by the Islington Voluntary Infant Welfare Centres, with the aim of establishing on a sound basis the health of the coming generation, makes a very special appeal for sympathy and commendation from the Borough Council.

### DEATHS IN PUBLIC INSTITUTIONS.

**Within the Borough.**—1772 persons died in the Public Institutions located in Islington, of whom 1,218 belonged to this Borough, the remaining 554 having come here for treatment or relief. Of these, 382 died in the Archway House and 103 in the Royal Northern Central Hospital.

Of the 1,218 deaths of inhabitants, 831 occurred in the Islington Infirmary, 219 in the Islington Institution, and 132 in the Royal Northern Central Hospital. The proportion which the 1,218 deaths in these Public Institutions bore to the Borough mortality was 31·2 per cent.

**Without the Borough.**—706 deaths of persons belonging to Islington were registered as occurring in Public Institutions in districts of London outside the Borough and in various provincial towns. They included, among others, 20 in the North-Western Fever Hospital, 37 in the Children's Hospital, Great Ormond Street, 110 in St. Bartholomew's Hospital, 39 in the Colney Hatch Asylum, 66 in the Royal Free Hospital, 40 in the University College Hospital, 33 in the North-Eastern Fever Hospital, 24 in the Metropolitan Hospital, and 32 in the Middlesex Hospital.

These 706 deaths represented 18·1 per cent. of all the deaths registered in the year.

**Within and Without the Borough.**—The deaths of Islingtonians numbered 1,924 and were equal to 49·3 per cent. of the total deaths registered during the year.

**Fatal Accidents or Sudden Deaths outside the Borough.**—91 inhabitants died from accidental deaths, or suddenly, in places outside Islington.

During the previous year (1922) the total deaths in Local Institutions numbered 1,975, being 1,344 inhabitants of Islington in Local Institutions, plus 631 non-inhabitants of Islington in Local Institutions, the number in Islington Infirmary being 977, the number





in the Royal Northern Hospital 116. The deaths of inhabitants of Islington in Institutions outside the Borough were 817; the total deaths in all Institutions, 2,161; and the proportion per 100 deaths from all causes, 46·8.

**Transferable Deaths.**—During the year 57 deaths that had occurred in outlying Institutions and other places outside the Borough were transferred by the Registrar-General to Islington.

#### MORTALITY FROM THE PRINCIPAL EPIDEMIC DISEASES.

*Small Pox, Measles, Scarlet Fever, Whooping Cough, Fevers—Typhus, Enteric and Continued—and Diarrhæal Diseases.*

During the year 128 persons died from these diseases, the death-rate being 0·38 per 1,000 inhabitants, as contrasted with 1·05 in the corresponding period last year, and a decennial average mortality of 325 and a death-rate of 1·02 per 1,000.

The death-rate of 0·38 per 1,000 of the population was the lowest rate hitherto recorded in Islington.

In London the death-rate from the epidemic diseases was 0·54, while in the six Boroughs encircling Islington the death-rate was 0·37.

Locally the deaths in the Sub-Registration Districts and Wards were as follows:—

*Showing the Deaths from each of the principal Epidemic Diseases in the several Wards and Sub-Registration Districts during the Year 1923.*

SUB-REGISTRATION DISTRICTS.	WARDS.	Enteric Fever.	Small Pox.	Measles	Scarlet Fever.	Whooping Cough.	Diphtheria.	Diarrhoea.	Totals.
		Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths
Tufnell ...	Tufnell ...	—	—	—	1	1	2	2	6
Up. Holloway...	Up Holloway	—	—	—	3	6	2	3	14
Tollington ...	Tollington ...	—	—	4	1	12	3	2	22
Lr. Holloway...	Lr. Holloway...	—	—	2	2	5	1	9	19
Highbury ... {	Highbury ...	—	—	—	1	1	2	1	5
	Mildmay ...	—	—	—	—	1	1	2	4
Barnsbury ... {	Thornhill ...	—	—	1	1	2	6	3	13
	Barnsbury ...	—	—	1	2	5	—	4	12
Islington South East {	St. Mary's ...	—	—	2	1	1	3	2	9
	Canonbury ...	—	—	6	1	2	1	2	12
	St. Peter's ...	—	—	—	—	2	—	10	12
THE BOROUGH		—	—	16	13	38	21	40	128
Total Death Rates ...		—	—	0·05	0·04	0·11	0·06	0·12	0·38





*Showing the Deaths and Death-Rates from the Principal Epidemic Diseases during the ten years 1913-22 and for the Year 1923.*

	1913		1914		1915		1916		1917		1918	
	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.
Enteric Fever ...	4	0.01	14	0.04	5	0.01	9	0.03	4	0.01	7	0.02
Small Pox ...	—	—	—	—	—	—	—	—	—	—	—	—
Measles ...	101	0.31	97	0.30	153	0.48	80	0.26	149	0.50	114	0.39
Scarlet Fever ...	19	0.06	23	0.07	38	0.12	18	0.06	4	0.01	8	0.03
Whooping Cough ...	62	0.19	83	0.26	103	0.32	60	0.19	45	0.15	147	0.51
Diphtheria ...	37	0.11	44	0.13	57	0.18	45	0.14	33	0.11	45	0.16
Diarrhœa and Enteritis (under 2 years)	210 {	25.12 per 1,000 births	217 {	26.53 per 1,000 births	154 {	20.43 per 1,000 births	117 {	16.11 per 1,000 births	106 {	18.16 per 1,000 births	82 {	15.78 per 1,000 births

	1919		1920		1921		1922		Mean 10 years		1923	
	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.
Enteric Fever ...	5*	0.02	3*	0.01	1	0.00	—	—	5	0.02	—	—
Small Pox ...	1	0.00	—	—	—	—	—	—	—	—	—	—
Measles ...	12	0.04	92	0.27	27	0.08	134	0.40	96	0.30	16	0.05
Scarlet Fever ...	14	0.04	12	0.04	19	0.06	29	0.09	18	0.06	13	0.04
Whooping Cough ...	17	0.05	70	0.21	43	0.13	98	0.29	73	0.23	38	0.11
Diphtheria ...	51	0.16	135	0.40	110	0.33	59	0.18	62	0.19	21	0.06
Diarrhœa and Enteritis (under 2 years)	85 {	13.53 per 1,000 births	77 {	8.19 per 1,000 births	156 {	19.78 per 1,000 births	71 {	9.46 per 1,000 births	127 {	17.43 per 1,000 births	103 {	14.51 per 1,000 births

\*Including 2 Malarial Fever.

*Showing the Deaths from Diarrhœal Diseases together with those classed under Enteritis and its Sub-headings, arranged in quarterly periods, and in three groups of ages.*

AGES.	1st Quarter.			2nd Quarter.			3rd Quarter.			4th Quarter.			The Year.		
	Diarrhœa.	Enteritis, &c.	Totals.	Diarrhœa.	Enteritis, &c.	Totals.	Diarrhœa.	Enteritis, &c.	Totals.	Diarrhœa.	Enteritis, &c.	Totals.	Diarrhœa.	Enteritis, &c.	Totals.
Under 1 year	5	12	17	4	6	10	19	16	35	7	27	34	35	61	96
1 to 5 years ...	1	1	2	—	1	1	3	3	6	—	2	2	4	7	11
Over 5 years	—	3	3	—	3	3	1	3	4	—	4	4	1	13	14
TOTALS ...	6	16	22	4	10	14	23	22	45	7	33	40	40	81	121

### INFLUENZA.

During the year Influenza caused 58 deaths, which is a decrease of 163 on the return for the year 1922; and 137 below the average of the preceding ten years 1913-22. The death-rate was equal to 0.17 per 1,000 inhabitants.

Showing the Deaths from Influenza in the Quarters of the Year 1922, by  
the age groups, and the corresponding periods, 1913-22.

Years	Quarters				Total
	First	Second	Third	Fourth	
1913	25	17	5	10	57
1914	17	17	3	5	42
1915	22	15	3	5	45
1916	10	10	2	5	27
1917	20	10	7	5	42
1918	11	10	10	21	52
1919	20	10	10	21	61
1920	10	10	5	12	37
1921	10	10	10	11	41
1922	10	10	10	5	35
Average	15	13	6	10	44
1922	10	10	10	5	35
Increase of 1922	-5	-3	4	-5	-9

The following table shows the number of deaths from influenza during the year 1922, by age groups, and the corresponding periods, 1913-22.

Age	Quarters				Total
	First	Second	Third	Fourth	
0-5	1	1	1	1	4
5-10	1	1	1	1	4
10-15	1	1	1	1	4
15-20	1	1	1	1	4
20-25	1	1	1	1	4
25-30	1	1	1	1	4
30-35	1	1	1	1	4
35-40	1	1	1	1	4
40-45	1	1	1	1	4
45-50	1	1	1	1	4
50-55	1	1	1	1	4
55-60	1	1	1	1	4
60-65	1	1	1	1	4
65-70	1	1	1	1	4
70-75	1	1	1	1	4
75-80	1	1	1	1	4
80-85	1	1	1	1	4
85-90	1	1	1	1	4
90-95	1	1	1	1	4
All Ages	10	10	10	10	40

The following table shows the number of deaths from influenza during the year 1922, by age groups, and the corresponding periods, 1913-22.

Age	Quarters				Total
	First	Second	Third	Fourth	
0-5	1	1	1	1	4
5-10	1	1	1	1	4
10-15	1	1	1	1	4
15-20	1	1	1	1	4
20-25	1	1	1	1	4
25-30	1	1	1	1	4
30-35	1	1	1	1	4
35-40	1	1	1	1	4
40-45	1	1	1	1	4
45-50	1	1	1	1	4
50-55	1	1	1	1	4
55-60	1	1	1	1	4
60-65	1	1	1	1	4
65-70	1	1	1	1	4
70-75	1	1	1	1	4
75-80	1	1	1	1	4
80-85	1	1	1	1	4
85-90	1	1	1	1	4
90-95	1	1	1	1	4
All Ages	10	10	10	10	40

The following table shows the number of deaths from influenza during the year 1922, by age groups, and the corresponding periods, 1913-22.

Age	Quarters				Total
	First	Second	Third	Fourth	
0-5	1	1	1	1	4
5-10	1	1	1	1	4
10-15	1	1	1	1	4
15-20	1	1	1	1	4
20-25	1	1	1	1	4
25-30	1	1	1	1	4
30-35	1	1	1	1	4
35-40	1	1	1	1	4
40-45	1	1	1	1	4
45-50	1	1	1	1	4
50-55	1	1	1	1	4
55-60	1	1	1	1	4
60-65	1	1	1	1	4
65-70	1	1	1	1	4
70-75	1	1	1	1	4
75-80	1	1	1	1	4
80-85	1	1	1	1	4
85-90	1	1	1	1	4
90-95	1	1	1	1	4
All Ages	10	10	10	10	40



*Showing the Deaths from Influenza in the Quarters of the Year 1923, together with the averages of the corresponding periods, 1913-22.*

YEARS.	QUARTERS.				TOTALS.
	FIRST.	SECOND.	THIRD.	FOURTH.	
1913	25	18	5	10	58
1914	17	5	3	5	30
1915	52	11	3	5	71
1916	9	7	2	18	36
1917	22	8	1	5	36
1918	14	8	60	849	931
1919	294	35	6	21	356
1920	56	43	7	12	118
1921	33	17	2	41	93
1922	200	10	3	8	221
Average	72	16	9	98	195
1923	21	22	7	8	58
Increase or Decrease	- 51	+ 6	- 2	- 90	- 137

The following statement gives the ages at death of the persons who suffered from Influenza during the preceding ten years as compared with the return for the year 1923 :

Ages.	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	Mean 10 yrs	1923	Difference.
0-5 ...	5	1	3	—	1	106	19	10	5	22	17	5	— 12
5-10 ...	—	1	—	—	—	52	5	3	—	1	6	—	— 6
10-15 ...	—	—	—	—	—	32	8	3	1	—	4	2	— 2
15-25 ...	2	1	5	—	—	141	48	12	5	11	23	—	— 23
25-35 ...	4	1	4	—	2	252	82	21	9	14	39	6	— 33
35-45 ...	8	6	7	1	2	109	47	18	15	18	23	4	— 19
45-55 ...	17	5	15	6	7	93	48	17	18	42	27	12	— 15
55-65 ...	5	7	12	6	8	69	42	17	13	37	22	5	— 17
65-75 ...	7	7	11	10	10	50	36	13	14	43	20	16	— 4
75&upwards	10	1	14	13	6	27	21	4	13	33	14	8	— 6
All Ages .	58	30	71	36	36	931	356	118	93	221	195	58	— 137

### SEPTIC DISEASES.

Erysipelas and Puerperal Septicæmia are the principal diseases of this class.

**Erysipelas.**—5 deaths were returned from this disease, or 4 less than in the year 1922, and 5 below the average of the preceding ten years, 1913-22.

**Puerperal Diseases.**—These comprise Puerperal Pyæmia, Septicæmia, Septic Intoxication and Puerperal Fever, and they caused 9 deaths, which is 4 above the return of 1922, and one less than the average of the ten years 1913-22. The death-rate was equal to 1·27 per 1,000 births.

### CANCER.

**Cancer.**—There were 472 deaths from this malignant disease during the year, compared with 421 in 1922, and with an average of 414 in the previous decennium. The deaths represent a death-rate of 1·40 per 1,000 of the civil population and is 0·10 above the average rate (1·30) of the last ten years; 204 deaths occurred among males and 268 among females.



The following statement shows the ages at death of the persons attacked during the past ten years, and the return for the year 1923 :

Ages.	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	Mean 10 yrs	1923	Difference
0-5 ...	1	—	—	—	2	—	2	3	2	—	1	1	—
5-15 ...	—	2	1	3	2	—	1	—	1	—	1	—	— 1
15-25 ...	7	2	2	—	5	—	4	1	1	4	3	6	+ 3
25-35 ...	13	11	7	4	8	8	5	10	10	8	8	10	+ 2
35-45 ...	31	37	24	30	31	27	36	32	34	34	32	27	— 5
45-55 ...	83	69	75	86	73	75	101	74	98	88	82	88	+ 6
55-65 ...	99	121	120	124	131	99	120	110	140	124	119	138	+ 19
65-75 ...	115	96	105	114	120	126	123	124	131	110	116	125	+ 9
75-85 ...	49	40	39	48	55	52	39	43	52	47	47	68	+ 21
85&upwards	6	6	4	3	5	6	7	5	6	6	5	9	+ 4
	404	384	377	412	432	393	438	402	475	421	414	472	+ 58

*Showing the Deaths from Cancer or Malignant Disease in the several Sub-Districts during the Quarters and the Year 1923.*

Quarters.	Tufnell.	Upper Holloway.	Tollington.	Lower Holloway.	High- bury.	Barns- bury.	Isling- ton, South East.	The Borough
First ...	12	12	9	18	23	17	33	124
Second ...	9	9	12	13	23	19	25	110
Third ...	10	10	14	13	24	18	33	122
Fourth ...	18	11	10	11	24	14	28	116
The Year ...	49	42	45	55	94	68	119	472

### TUBERCULOSIS.

**Tuberculosis** caused 389 deaths, which were 132 below the average of the last decennium, and were 44 less than the number registered in 1922. The death-rate resulting from them was equal to 1·16 per 1,000 of the civil population, and represented 9·9 per cent. of the deaths from all causes during the year.

**Tuberculosis of the Respiratory System** (Phthisis is Pulmonary Tuberculosis) caused 337 deaths, as contrasted with the decennial average of 431, while the death-rate was 1·00 per 1,000 of the civil population, as against the decennial rate of 1·35 per 1,000. There was a decrease of 94 on the ten years' average number of deaths, and of 0·35 on the mean death-rate.

TUBERCULOSIS (Respiratory System).			Proportion of Deaths from Tuberculosis per 100 Deaths from All Causes.		Death rates from All Causes per 1,000 inhabitants.	
Years.	Deaths.	Death rates per 1,000 inhabitants.				
1913	420	1·26	8·35		15·1	
1914	461	1·42	9·33		15·2	
1915	496	1·57	8·98		17·0	
1916	458	1·48	9·64		15·3	
1917	485	1·63	10·54		15·5	
1918	516	1·80	8·83		20·4	
1919	388	1·18	8·56		14·1	
1920	349	1·04	7·80		13·3	
1921	355	1·07	8·13		13·1	
1922	378	1·13	8·19		13·8	
Average 10 years	431	1·35	8·83		15·3	
1923	337	1·00	8·64		11·6	



The following table shows the deaths in each age period:

Age Period	Deaths	Total
0-3	...	12
3-12	...	9
12-22	...	62
22-32	...	70
32-42	...	68
42-52	...	70
52-62	...	30
62 and over	...	19
<b>Total</b>	<b>191</b>	<b>337</b>

### Sub Division of Deaths from Tuberculosis and Respiratory System in the Year 1923

Location	Deaths	Total
City	...	...
Suburban	...	...
Rural	...	...
Foreign Born	...	...
Native Born	...	...
<b>Total</b>	<b>...</b>	<b>...</b>

### Deaths from Tuberculosis during 1923

Location	Deaths	Total
City	...	...
Suburban	...	...
Rural	...	...
Foreign Born	...	...
Native Born	...	...
<b>Total</b>	<b>...</b>	<b>...</b>

### DEATHS FROM THE DISEASES OF THE RESPIRATORY SYSTEM

(Deaths from Tuberculosis and Influenza)

These diseases, which include Chronic and Acute Bronchitis, Pneumonia, Influenza, and Asthma, caused 528 deaths or 308 more than in 1922. They were equal to a death rate of 1.78 per 1,000 of the total population, and represented 15.3 per cent of the total deaths registered in the Borough.

**Acute Bronchitis.**—There were 80 deaths as compared with 130 in the previous year. 32 occurred among males, and 48 among females. The deaths of 7 infants under 12 months were registered.

The following return gives the deaths at each age period :

Age Periods.				Males.	Females.	Total.
0-5	...	...	...	6	6	12
5-15	...	...	...	4	5	9
15-25	...	...	...	26	39	65
25-35	...	...	...	41	29	70
35-45	...	...	...	46	22	68
45-55	...	...	...	53	17	70
55-65	...	...	...	19	11	30
65 upwards	...	...	...	8	5	13
TOTAL ...				203	134	337

*Showing the Deaths from Tuberculosis of Respiratory System in the Sub-Districts during the Four Quarters of the Year 1923.*

Quarters.				Tufnell.	Upper Holloway.	Tollington.	Lower Holloway.	Highbury.	Barnsbury.	Islington, South East.	The Borough.
First	...	...	...	6	13	5	15	13	19	24	95
Second	...	...	...	9	4	6	13	16	14	14	76
Third	...	...	...	2	9	6	6	16	10	29	78
Fourth	...	...	...	6	10	9	11	12	15	25	88
The Year ...				23	36	26	45	57	58	92	337

*Showing the Deaths from Tuberculosis during 1923.*

FORM.	Ages.			Sex.		Districts.								Total Deaths.
	0-1	1-5	over 5	M	F.	Tuf.	U.H.	Toll.	L.H.	H.	B.	S.E.		
Respiratory ... ..	3	9	325	203	134	23	36	23	45	57	58	92	337	
Meningeal ... ..	6	11	11	15	13	2	4	3	4	5	3	7	28	
Abdominal ... ..	1	5	8	8	6	1	—	1	1	4	3	4	14	
General... ..	—	—	3	2	1	—	2	—	—	—	1	—	3	
Other forms ... ..	—	—	7	6	1	—	—	1	1	2	1	2	7	
All Tuberculosis ... ..	10	25	354	234	155	26	42	31	51	68	66	105	389	

## DEATHS FROM THE DISEASES OF THE RESPIRATORY SYSTEM.

(EXCLUSIVE OF TUBERCULOSIS AND INFLUENZA).

These diseases, which include Chronic and Acute Bronchitis, Pneumonia, Pleurisy and Asthma, caused 598 deaths, or 308 more than in 1922. They were equal to a death-rate of 1.78 per 1,000 of the civil population, and represented 15.3 per cent. of the total deaths registered in the Borough.

**Acute Bronchitis.**—There were 80 deaths as compared with 130 in the previous year. 32 occurred among males, and 48 among females. The deaths of 7 infants under 12 months were registered.





**Chronic Bronchitis.**—185 deaths were ascribed to it, 92 being males and 93 females. This return is 92 less than that for 1922.

**Pneumonia** (All forms).—282 deaths were registered, of which 148 were males and 134 females. They are 160 less than the number who died in 1922. It caused 58 deaths to infants under a year old, while between the ages of 1 and 5 years 36 died from it. Above 5 years of age the deaths numbered 127.

82 Deaths occurred in Public Institutions, chiefly the Workhouse Infirmaries.

**Pleurisy**—Of this disease 15 deaths were registered. 3 deaths occurred in Public Institutions.

**Asthma and Emphysema.**—Fourteen deaths were recorded from these diseases, all of which were adults.

**Other Diseases of the Respiratory System.**—Twenty-two deaths were registered, as contrasted with 25 in 1922.

#### VENEREAL DISEASES.

Twenty deaths were ascribed to these diseases, as compared with 17 in 1922. Of these 14 were males and 6 females. The mean deaths of the preceding ten years 1913-22, were also 17.

The annual average number of deaths recorded during ten years from them at three groups of ages has been as follows: Under 1 year, 10 deaths, 1-5 years, 1 death, and over 5 years, 6 deaths, making an average total of 17 per annum.

The treatment centres for these diseases are the Royal Northern Hospital, Holloway Road, N., and the Royal Free Hospital, Gray's Inn Road, W.C.

#### DEATHS FROM COAL-GAS POISONING.

Ten deaths were registered from asphyxia caused by the inhalation of carbon monoxide gas.

Eight of these deaths were attributable to suicide, while the two remaining deaths were homicidal.

Of the 10 deaths, 9 were males and 1 female, the ages ranging from 13 to 61 years.

During the year special inquiries were made and reports furnished to the Ministry of Health on deaths from this cause.

#### ACCIDENTAL DEATHS.

The deaths due to accident numbered 105. Of this number 31 deaths were due to vehicular traffic, as against 32 in the previous year. The number of deaths from this cause is constantly before the public mind, for in London the regulation of street traffic still permits the passage of vehicles on the near side while passengers are alighting from the tramcars and 'buses. In other large cities there are special by-laws, and the ruthless action of drivers in dashing past standing public vehicles can be summarily dealt with.

# INQUESTS AND MORTUARY.

During the year 328 bodies were received into the Mortuary, as compared with an average of 458 in the preceding 10 years.

No infectious body was received during the year.

The daily average number of bodies received was 0.8 as compared with 0.9 in

In 379 cases inquests were held, as compared with an average of 357 in the ten

1913 22

Bodies received		Inquests held	
Year	No. of bodies	Year	No. of inquests
1913	328	1904	357
1912	328	1905	357
1911	328	1906	357
1910	328	1907	357
1909	328	1908	357
1908	328	1909	357
1907	328	1910	357
1906	328	1911	357
1905	328	1912	357
1904	328	1913	357
1903	328	1914	357
1902	328	1915	357
1901	328	1916	357
1900	328	1917	357
1899	328	1918	357
1898	328	1919	357
1897	328	1920	357
1896	328	1921	357
1895	328	1922	357
1894	328	1923	357
1893	328	1924	357
1892	328	1925	357
1891	328	1926	357
1890	328	1927	357
1889	328	1928	357
1888	328	1929	357
1887	328	1930	357
1886	328	1931	357
1885	328	1932	357
1884	328	1933	357
1883	328	1934	357
1882	328	1935	357
1881	328	1936	357
1880	328	1937	357
1879	328	1938	357
1878	328	1939	357
1877	328	1940	357
1876	328	1941	357
1875	328	1942	357
1874	328	1943	357
1873	328	1944	357
1872	328	1945	357
1871	328	1946	357
1870	328	1947	357
1869	328	1948	357
1868	328	1949	357
1867	328	1950	357
1866	328	1951	357
1865	328	1952	357
1864	328	1953	357
1863	328	1954	357
1862	328	1955	357
1861	328	1956	357
1860	328	1957	357
1859	328	1958	357
1858	328	1959	357
1857	328	1960	357
1856	328	1961	357
1855	328	1962	357
1854	328	1963	357
1853	328	1964	357
1852	328	1965	357
1851	328	1966	357
1850	328	1967	357
1849	328	1968	357
1848	328	1969	357
1847	328	1970	357
1846	328	1971	357
1845	328	1972	357
1844	328	1973	357
1843	328	1974	357
1842	328	1975	357
1841	328	1976	357
1840	328	1977	357
1839	328	1978	357
1838	328	1979	357
1837	328	1980	357
1836	328	1981	357
1835	328	1982	357
1834	328	1983	357
1833	328	1984	357
1832	328	1985	357
1831	328	1986	357
1830	328	1987	357
1829	328	1988	357
1828	328	1989	357
1827	328	1990	357
1826	328	1991	357
1825	328	1992	357
1824	328	1993	357
1823	328	1994	357
1822	328	1995	357
1821	328	1996	357
1820	328	1997	357
1819	328	1998	357
1818	328	1999	357
1817	328	2000	357
1816	328	2001	357
1815	328	2002	357
1814	328	2003	357
1813	328	2004	357
1812	328	2005	357
1811	328	2006	357
1810	328	2007	357
1809	328	2008	357
1808	328	2009	357
1807	328	2010	357
1806	328	2011	357
1805	328	2012	357
1804	328	2013	357
1803	328	2014	357
1802	328	2015	357
1801	328	2016	357
1800	328	2017	357
1799	328	2018	357
1798	328	2019	357
1797	328	2020	357
1796	328	2021	357
1795	328	2022	357
1794	328	2023	357
1793	328	2024	357
1792	328	2025	357
1791	328	2026	357
1790	328	2027	357
1789	328	2028	357
1788	328	2029	357
1787	328	2030	357
1786	328	2031	357
1785	328	2032	357
1784	328	2033	357
1783	328	2034	357
1782	328	2035	357
1781	328	2036	357
1780	328	2037	357
1779	328	2038	357
1778	328	2039	357
1777	328	2040	357
1776	328	2041	357
1775	328	2042	357
1774	328	2043	357
1773	328	2044	357
1772	328	2045	357
1771	328	2046	357
1770	328	2047	357
1769	328	2048	357
1768	328	2049	357
1767	328	2050	357
1766	328	2051	357
1765	328	2052	357
1764	328	2053	357
1763	328	2054	357
1762	328	2055	357
1761	328	2056	357
1760	328	2057	357
1759	328	2058	357
1758	328	2059	357
1757	328	2060	357
1756	328	2061	357
1755	328	2062	357
1754	328	2063	357
1753	328	2064	357
1752	328	2065	357
1751	328	2066	357
1750	328	2067	357
1749	328	2068	357
1748	328	2069	357
1747	328	2070	357
1746	328	2071	357
1745	328	2072	357
1744	328	2073	357
1743	328	2074	357
1742	328	2075	357
1741	328	2076	357
1740	328	2077	357
1739	328	2078	357
1738	328	2079	357
1737	328	2080	357
1736	328	2081	357
1735	328	2082	357
1734	328	2083	357
1733	328	2084	357
1732	328	2085	357
1731	328	2086	357
1730	328	2087	357
1729	328	2088	357
1728	328	2089	357
1727	328	2090	357
1726	328	2091	357
1725	328	2092	357
1724	328	2093	357
1723	328	2094	357
1722	328	2095	357
1721	328	2096	357
1720	328	2097	357
1719	328	2098	357
1718	328	2099	357
1717	328	2100	357
1716	328	2101	357
1715	328	2102	357
1714	328	2103	357
1713	328	2104	357
1712	328	2105	357
1711	328	2106	357
1710	328	2107	357
1709	328	2108	357
1708	328	2109	357
1707	328	2110	357
1706	328	2111	357
1705	328	2112	357
1704	328	2113	357
1703	328	2114	357
1702	328	2115	357
1701	328	2116	357
1700	328	2117	357
1699	328	2118	357
1698	328	2119	357
1697	328	2120	357
1696	328	2121	357
1695	328	2122	357
1694	328	2123	357
1693	328	2124	357
1692	328	2125	357
1691	328	2126	357
1690	328	2127	357
1689	328	2128	357
1688	328	2129	357
1687	328	2130	357
1686	328	2131	357
1685	328	2132	357
1684	328	2133	357
1683	328	2134	357
1682	328	2135	357
1681	328	2136	357
1680	328	2137	357
1679	328	2138	357
1678	328	2139	357
1677	328	2140	357
1676	328	2141	357
1675	328	2142	357
1674	328	2143	357
1673	328	2144	357
1672	328	2145	357
1671	328	2146	357
1670	328	2147	357
1669	328	2148	357
1668	328	2149	357
1667	328	2150	357
1666	328	2151	357
1665	328	2152	357
1664	328	2153	357
1663	328	2154	357
1662	328	2155	357
1661	328	2156	357
1660	328	2157	357
1659	328	2158	357
1658	328	2159	357
1657	328	2160	357
1656	328	2161	357
1655	328	2162	357
1654	328	2163	357
1653	328	2164	357
1652	328	2165	357
1651	328	2166	357
1650	328	2167	357
1649	328	2168	357
1648	328	2169	357
1647	328	2170	357
1646	328	2171	357
1645	328	2172	357
1644	328	2173	357
1643	328	2174	357
1642	328	2175	357
1641	328	2176	357
1640	328	2177	357
1639	328	2178	357
1638	328	2179	357
1637	328	2180	357
1636	328	2181	357
1635	328	2182	357
1634	328	2183	357
1633	328	2184	357
1632	328	2185	357
1631	328	2186	357
1630	328	2187	357
1629	328	2188	357
1628	328	2189	357
1627	328	2190	357
1626	328	2191	357
1625	328	2192	357
1624	328	2193	357
1623	328	2194	357
1622	328	2195	357
1621	328	2196	357
1620	328	2197	357
1619	328	2198	357
1618	328	2199	357
1617	328	2200	357
1616	328	2201	357
1615	328	22	

## INQUESTS AND MORTUARY.

During the year 288 bodies were received into the Mortuary, as compared with an average of 458 in the preceding 10 years.

No infectious body was received during the year.

The daily average number of bodies received was 0·8 as compared with 0·9 in 1922.

In 279 cases inquests were held, as contrasted with an average of 357 in the ten years 1913-22.

			Bodies received into Mortuary.		Inquests.
1913	...	...	575	...	384
1914	...	...	537	...	369
1915	...	...	612	...	475
1916	...	...	507	...	394
1917	...	...	479	...	359
1918	...	...	476	...	348
1919	...	...	429	...	321
1920	...	...	340	...	312
1921	...	...	313	...	299
1922	...	...	316	...	307
Average	...	...	458	...	357
<b>1923</b>			<b>288</b>		<b>279</b>

The following Table gives a return of the bodies received into the Mortuary and the inquests held by the Coroner during the years 1923 and 1922.

1923	No. of bodies received.	Daily Average.	No. of Inquests held.	1922	No. of bodies received.	Daily Average.	No. of Inquests held.
1st Quarter	75	0·8	86	1st Quarter...	103	1·1	83
2nd „ ...	57	0·6	59	2nd „ ...	81	0·9	83
3rd „ ...	81	0·9	65	3rd „ ...	69	0·7	53
4th „ ...	75	0·8	69	4th „ ...	63	0·7	88
Total for year	288	0·8	279	Total for year	316	0·9	307

## PREVENTION OF INFECTION.

## NOTIFICATION, ISOLATION, FATALITY, OF SPECIFIED DISEASES UNDER THE PROVISIONS OF THE PUBLIC HEALTH (LONDON) ACT, 1891.

## THE PRINCIPAL DISEASES INCLUDE :

*Small Pox, Diphtheria, Scarlet Fever, Enteric Fever, Typhus Fever,  
Puerperal Fever and Erysipelas.*

There were 2,096 cases of these diseases which are notifiable under the Public Health (London) Act, 1891. This number does not include other communicable ailments which are now notifiable. The complete list of infectious diseases which are notifiable in Islington are enumerated on page 25.

The total cases notified are 691 less than those of the previous year (2,787) and 216 below the average (2,312) of the preceding ten years. The only increase when contrasted with the decennial averages is to be found in the return from Diphtheria, which shows





74 cases in excess, while the other diseases all exhibit a decrease, Scarlet Fever accounting for 176 cases, Erysipelas 99 cases, and Enteric Fever 14 cases.

The 2,096 cases were equal to an attack-rate of 6·2 per 1,000 of the civil population.

The returns for the preceding ten years are given in the following statement :

Year.	Cases.	Attack-rates per 1,000 civil population.
1913	2,171	6·54
1914	2,947	9·08
1915	2,210	6·98
1916	1,439	4·65
1917	1,251	4·21
1918	1,127	3·93
1919	1,993	6·05
1920	2,853	8·49
1921	4,344	13·05
1922	2,787	8·34
10 years average	2,312	7·26
<b>1923</b>	<b>2,096</b>	<b>6·22</b>

**Registration Sub-Districts.**—The total number of cases notified in these districts was as follows :

	Total cases notified.
Tufnell	104
Upper Holloway	214
Tollington	161
Lower Holloway	363
Highbury	309
Barnsbury	466
Islington South-East	479
<b>Total</b>	<b>2,096</b>

**Small Pox.**—No case was notified in the Borough during the year. The average number of cases during the preceding ten years was only 0·4.

**Diphtheria** was responsible for 891 cases of illness, which were 74 above the average (817) of the preceding ten years. The attack-rate was equal to 2·64 per 1,000 of the civil population annually, and was 0·09 above the mean rate (2·55) of the decennial period.

In London the attack-rate was 2·28 per 1,000, and the Encircling Boroughs 2·51.

**Scarlet Fever.**—1,080 cases were notified, and they showed a decrease of 176 or 14 per cent. on the average (1,256) of the ten years 1913-22. The attack-rate was equal to 3·21 per 1,000 of the civil population annually, which is a decrease of 0·73 per 1,000 of the mean rate (3·94) of the preceding ten years. In London the attack-rate was 2·22 per 1,000 of the civil population, while in the Encircling Boroughs it was 2·24.

**Enteric Fever.**—Only 16 cases were notified, a decrease of 14 on the average (30) that obtained during the ten years 1913-22. The attack-rate was 0·05 per 1,000 annually, or 0·04 per 1,000 below the mean rate (0·9) of the last ten years.

In London the rate was 0·07, and in the Encircling Boroughs 0·06 per 1,000 of the civil population.





**Typhus Fever.**—No case was notified.

**Puerperal Fever.**—See pages 10 and 17.

**Erysipelas.**—87 cases were notified, or 99 below the average 186 of the preceding ten years, the attack-rate being 0·26 per 1,000 of the civil population.

### FATALITY FROM THE EIGHT PRINCIPAL NOTIFIABLE INFECTIOUS DISEASES.

By "Fatality" is meant the percentage proportion of deaths to attacks of sickness.

During the year it was found that of the 2,096 cases notified, 48 deaths occurred, or 2·3 per cent., which contrasts with an average percentage of 4·4 in the preceding ten years 1913-22.

Years.	Cases.	Deaths.	Fatality.
1913	2,171	76	3·5
1914	2,947	113	3·8
1915	2,210	118	5·3
1916	1,439	87	6·0
1917	1,251	55	4·4
1918	1,127	67	6·0
1919	1,993	96	4·8
1920	2,853	173	6·0
1921	4,344	146	3·3
1922	2,787	102	3·7
Mean	2,312	103	4·4
<b>1923</b>	<b>2,096</b>	<b>48</b>	<b>2·3</b>

**Hospital Isolation.**—Of the 2,096 cases of infectious diseases notified, 1,996 were isolated in hospital, or a percentage of 95·2, while only 4·8 per cent. of the patients, therefore, were nursed at home. This is the highest number on record.

The following tabular statement shows the number of cases treated in the various public institutions:

Year.	Cases treated in Hospital.		Percentage of cases treated.
1913	...	1,866	85·9
1914	...	2,543	86·3
1915	...	1,991	90·1
1916	...	1,269	90·0
1917	...	1,099	87·8
1918	...	982	87·1
1919	...	1,772	88·9
1920	...	2,642	92·0
1921	...	4,117	94·8
1922	...	2,621	94·0
<b>1923</b>	...	<b>1,996</b>	<b>95·2</b>

### DISEASES TREATED IN HOSPITAL.

Disease.	Total cases.	Cases isolated.	Percentage of known cases.
Scarlet Fever ... ..	1,080	1,051	97·3
Diphtheria ... ..	891	881	98·9
Enteric Fever ... ..	16	12	75·0
Erysipelas ... ..	87	35	40·2
Puerperal Fever ... ..	22	17	77·3
	<b>2,096</b>	<b>1,996</b>	<b>95·2</b>



*Summary of Infectious Sickness and of Deaths arising therefrom, distinguishing the Cases treated at Home and in Hospitals; and showing the percentages of notified Cases removed to Hospitals, together with the Fatality among Cases treated at Home and in Hospitals during the Year 1923.*

	Notified Cases Treated.			Percentages of Notified Cases Treated.		Deaths Occurring.			Percentage of Deaths Occurring.		
	In Hospital	At Home	Total	In Hospital	At Home	In Hospital	At Home	Total	In Hospital	At Home	Total
Small Pox	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever ...	1,051	29	1,080	97.3	2.7	13	—	13	1.2	—	1.2
Diphtheria ...	881	10	891	98.8	1.2	20	1	21	2.3	10.0	2.3
Enteric (Typhoid) Fever ...	12	4	16	75.0	25.0	—	—	—	—	—	—
Typhus Fever ...	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	35	52	87	40.2	59.8	5	—	5	14.3	—	5.7
Puerperal Fever ...	17	5	22	77.3	22.7	8	1	9	47.0	20.0	40.9
Continued Fever ...	—	—	—	—	—	—	—	—	—	—	—
Relapsing Fever ...	—	—	—	—	—	—	—	—	—	—	—
Cholera ...	—	—	—	—	—	—	—	—	—	—	—
Total ...	1,996	100	2,096	95.2	4.8	46	2	48	2.3	2.0	2.3

*Showing the number of Cases and Attack-Rates of the several Notifiable Infectious Diseases which occurred during each of the Ten Years 1913-22 and in 1923.*

DISEASES.	YEARS.										Average number of cases, 1913-22	1923	Increase or Decrease
	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922			
Small Pox { Cases	—	—	—	—	—	2	2	—	—	—	—	—	—
Rate	—	—	—	—	—	0.00	0.00	—	—	—	—	—	—
Diphtheria { Cases	546	651	620	587	556	514	645	1324	1548	1126	812	889	+ 77
Rate	1.65	2.01	1.96	1.90	1.87	1.80	1.96	3.94	4.65	3.37	2.55	2.64	+0.09
Membranous { Cases	4	8	4	6	5	4	4	4	5	4	5	2	— 3
Croup ... Rate	0.01	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.02	0.01	0.02	0.00	—0.02
Scarlet Fever { Cases	1317	1853	1332	638	478	432	1084	1307	2622	1496	1256	1080	— 176
Rate	3.97	5.71	4.21	2.06	1.61	1.51	3.29	3.89	7.87	4.48	3.94	3.21	—0.73
Enteric Fever { Cases	50	76	28	32	23	30	16	24	10	9	30	16	— 14
Rate	0.15	0.23	0.09	0.10	0.08	0.10	0.05	0.07	0.03	0.03	0.09	0.05	—0.04
Continued { Cases	—	—	—	—	—	—	1	—	—	—	—	—	—
Rate	—	—	—	—	—	—	0.00	—	—	—	—	—	—
Puerperal { Cases	28	25	23	21	16	4	29	29	34	20	23	22	— 1
Fever* ... Rate	3.41	3.10	3.48	2.89	2.74	0.77	0.46	3.08	4.31	2.68	3.16	3.10	—0.06
Erysipelas { Cases	226	334	203	155	173	141	212	165	125	132	186	87	— 99
Rate	0.68	1.03	0.64	0.50	0.58	0.49	0.64	0.49	0.38	0.39	0.58	0.26	—0.32
TOTALS ... { Cases	2171	2947	2210	1459	1251	1127	1993	2853	4344	2787	2312	2096	— 216
Rate	6.54	9.08	6.98	4.65	4.21	3.93	6.05	8.49	13.05	8.34	7.16	6.22	—1.04

\*Per 1,000 Registered Births.





*Showing the Cases of the Notifiable Infectious Diseases notified in the Sub-Registration Districts and the Wards during the Year 1923.*

SUB-REGISTRATION DISTRICTS.	WARDS.	Small Pox.	Scarlet Fever or Scarlatina.	Diphtheria.	Membranous Croup.	Enteric (Typhoid) Fever.	Typhus Fever.	Erysipelas.	Puerperal Fever.	Continued Fever.	Relapsing Fever.	Cholera.	Total.
Tufnell . . .	Tufnell .. .	—	56	39	—	2	—	6	1	—	—	—	104
Up. Holloway .	Up. Holloway ..	—	101	99	—	1	—	13	—	—	—	—	214
Tollington . . .	Tollington . . .	—	70	77	—	1	—	10	3	—	—	—	161
Lr. Holloway ..	Lr. Holloway ..	—	241	108	2	3	—	5	4	—	—	—	363
Highbury . . . {	Highbury . . .	—	180	49	—	5	—	7	3	—	—	—	244
	Mildmay . . .	—	29	29	—	2	—	3	2	—	—	—	65
Barnsbury . . . {	Thornhill . . .	—	85	176	—	—	—	11	2	—	—	—	274
	Barnsbury . . .	—	98	83	—	—	—	6	5	—	—	—	192
Islington, S.E. {	St. Mary's . . .	—	64	72	—	—	—	7	—	—	—	—	143
	Canonbury . . .	—	76	55	—	1	—	12	1	—	—	—	145
	St. Peter's . . .	—	80	102	—	1	—	7	1	—	—	—	191
	Totals . . .	—	1080	889	2	16	—	87	22	—	—	—	2096
	Attack-Rates per 1,000 population . . .	—	3.21	2.64	0.00	0.05	—	0.26	0.06	—	—	—	6.22

### OTHER NOTIFIABLE DISEASES.

The diseases which are notifiable in Islington include those which have since been added by Order, and the complete list is as follows: Small Pox, Cholera, Diphtheria, Membranous Croup, Erysipelas, the diseases known as Scarlatina or Scarlet Fever, the fevers known by any of the following names: Typhus, Typhoid, Enteric, Relapsing, Continued or Puerperal, and also the following infectious diseases: Anthrax, Acute Encephalitis, Acute Encephalitis Lethargica, Acute Polio-Encephalitis, Acute Primary Pneumonia, Acute Influenzal Pneumonia, Cerebro-spinal fever or Epidemic Cerebro-spinal Meningitis, Dysentery, Glanders or Farcy, Hydrophobia or Rabies, Malaria, Ophthalmia Neonatorum, Plague, Trench Fever, and Tuberculosis.

### ACUTE POLIOMYELITIS.

Only one case was notified during the year, as compared with none in 1922, and 3 cases in 1921.

				1923		1922	
				Cases.	Deaths.	Cases.	Deaths.
1st quarter	...	...	...	Nil	Nil	Nil	Nil
2nd "	...	...	...	"	"	"	"
3rd "	...	...	...	"	"	"	"
4th "	...	...	...	1	"	"	"
				1	Nil	Nil	Nil

### EPIDEMIC CEREBRO-SPINAL MENINGITIS.

Eight cases were notified, or five cases more than in 1922. During the ten years 1913-22, the cases averaged 18 per annum.





A return of attacks of the disease during the past ten years is given in the following statement :

	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	Average 10 yrs. 1913-22	1923	Total Deaths, 1913-23.
1st quarter ..	1	2	12	7	15	7	8	5	3	1	6	3	40
2nd „ ...	3	3	13	17	11	4	7	5	3	2	7	2	52
3rd „ ...	1	2	11	8	1	1	1	2	—	—	3	2	10
4th „ ...	1	—	4	7	3	4	—	2	1	—	2	1	9
Year ...	6	7	40	39	30	16	16	14	7	3	18	8	111

The deaths during the year numbered 7, and were equal to the very high rate of 87 per cent. of the cases notified.

#### PUBLIC HEALTH (PNEUMONIA, MALARIA, DYSENTERY, ETC.) REGULATIONS, 1919.

These Regulations came into force on the 7th January, 1919, and during the 5 years the following cases were notified by medical practitioners to the Medical Officer of Health :

	1919	1920	1921	1922	1923
Malaria ... ..	193	17	8	2	2
Dysentery ... ..	14	4	—	1	3
Acute Primary Pneumonia	12	34	47	77	120
Acute Influenzal Pneumonia	12	22	25	67	58
Pneumonia .. ...	29	3	—	—	—
Total ...	260	80	80	147	183

#### ACUTE ENCEPHALITIS LETHARGICA AND ACUTE POLIO-ENCEPHALITIS.

These diseases became notifiable under an Order of the Local Government Board on the 1st January, 1919, and during the year 10 cases of Acute Encephalitis Lethargica were notified, 5 of which proved fatal. One case of Acute Polio-Encephalitis was known in the Borough. The patient was an infant aged 5 months which died.

OPHTHALMIA NEONATORUM. *Purulent Disease of the Eyes of Newly-born Children.* See p. 9.

#### TUBERCULOSIS.

During the year 672 cases of Tuberculosis in its different forms were notified. The attack-rate was equal to 2.00 per 1,000 of the civil population. This number shows a decrease of 35 on the return of the previous year, and of 0.12 per 1,000 on the attack-rate. It was also 89 below the number in 1921.

**Respiratory (Pulmonary) Tuberculosis.**—542 notifications were received, of which 282 referred to males and 260 to females, and represented an attack-rate of 1.6 per 1,000. The return was a decrease of 28 on that of 1922, and 110 on 1921.



*Showing the Notified Cases of Tuberculosis in the Wards during 1923.*

Registration Sub-Districts.	Wards.	Pulmonary Phthisis.			Other Forms of Tuberculosis.			Grand Totals	Tuberculosis Rate per 1,000 of Population.
		Males	Females	Total	Males	Females	Total		
Tufnell ..	Tufnell ..	25	17	42	6	6	12	54	1.58
Up. Holloway ..	Up. Holloway ..	28	24	52	12	6	18	70	2.10
Tollington ..	Tollington ..	29	21	50	5	4	9	59	1.89
Lr. Holloway ...	Lr. Holloway ..	24	25	49	7	6	13	62	1.49
Highbury ...	Highbury ...	26	28	54	7	3	10	64	1.95
	Mildmay ...	20	23	43	3	8	11	54	1.92
Barnsbury ...	Thornhill ...	19	31	50	10	8	18	68	2.20
	Barnsbury ...	25	19	44	2	3	5	49	2.01
Islington, S.E.	St. Mary's ...	18	21	39	5	4	9	48	2.64
	Canonbury ...	30	20	50	4	7	11	61	1.91
	St. Peter's ...	38	31	69	8	6	14	83	2.74
	Totals ...	282	20	542	69	61	130	672	2.00

The actual number of cases of Respiratory Tuberculosis coming to the knowledge of the Medical Officer of Health in each year since 1913, has been as follows :

Year.	Cases.	Year.	Cases.
1913 ...	1,303	1918 ...	1,006
1914 ...	960	1919 ...	759
1915 ...	780	1920 ...	663
1916 ...	672	1921 ...	652
1917 ...	897	1922 ...	570

Average, 10 years      826 = 2.6 per 1,000 inhabitants.

1923 ...      542 cases = 1.6 per 1,000 inhabitants.

**THE PERIOD OF LIFE AT WHICH TUBERCULOSIS ATTACKED THE PERSONS. NOTIFIED DURING 1923.**

Tubercular Diseases.	Sex.	CASES NOTIFIED IN WHOLE DISTRICT.							
		At all ages.	At Ages—Years.						
			Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards
Phthisis ... (including Tuberculosis of Larynx)	M.	282	—	5	15	45	137	69	11
	F.	260	1	2	17	70	114	48	8
Tubercular Meningitis ...	M.	1	—	—	1	—	—	—	—
	F.	2	—	2	—	—	—	—	—
Tabes Mesenterica ..	M.	7	—	2	4	—	—	1	—
	F.	12	—	3	3	1	5	—	—
General Tuberculosis ...	M.	1	—	—	—	—	1	—	—
	F.	1	—	—	—	—	1	—	—
Other forms of Tuberculosis ...	M.	60	2	5	22	12	9	10	—
	F.	46	1	2	16	14	10	3	—
All Tubercular Diseases ...	M.	351	2	12	42	57	147	80	11
	F.	321	2	9	36	85	130	51	8
TOTALS ...		672	4	21	78	142	277	131	19
Percentages at each life period to total cases ...		—	0.5	3.1	11.6	21.1	41.2	19.5	3.0

From the above statement it will be seen how the disease attacked people at the various ages, viz. :

In every hundred cases	0.5	were under 1 year of age.
"	3.1	were aged 1 to 5 years.
"	11.6	were aged 5 to 15 years.
Prime of Life {	21.1	were aged 15 to 25 years
"	41.2	81.8 were aged 25 to 45 years
"	19.5	were aged 45 to 65 years
"	3.0	were aged 65 and upwards.





*Showing the Notified Cases of Tuberculosis in the Quarters during 1923.*

	1st Quarter.			2nd Quarter.			3rd Quarter.			4th Quarter.			The Year.		
	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total
Phthisis ... ..	72	72	144	76	58	134	66	72	138	68	58	126	282	260	542
Tubercular Meningitis ...	1	—	1	—	2	2	—	—	—	—	—	—	1	2	3
Tabes Mesenterica . ...	2	1	3	3	6	9	2	5	7	—	—	—	7	12	19
General Tuberculosis ...	—	—	—	—	—	—	—	1	1	1	—	1	1	1	2
Other forms of Tuberculosis	20	16	36	12	9	21	13	6	19	15	15	30	60	46	106
TOTALS ...	95	89	184	91	75	166	81	84	165	84	73	157	351	321	672

*Disinfection of Houses and Rooms after Phthisis.* The following statement gives the particulars for the year :

							Houses.		Rooms.	
1st quarter ... ..	...	...	...	...	...	...	114	...	151	
2nd „ ... ..	...	...	...	...	...	...	108	...	152	
3rd „ ... ..	...	...	...	...	...	...	117	...	160	
4th „ ... ..	...	...	...	...	...	...	97	...	148	
Total ... ..	...	...	...	...	...	...	436	...	611	

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

*Summary of Notifications during the period from the 31st December, 1922, to the 29th December, 1923, in the Metropolitan Borough of Islington.*

Age-periods ...	Notifications on Form A.													Total Notifi- cations on Form A.
	Number of 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 up.	Total Primary Notifi- cations		
Pulmonary Males .. ...	—	5	8	7	16	29	70	67	46	23	11	282	396	
„ Females ...	1	2	7	9	27	42	64	50	36	12	8	258	358	
Non-pulmonary Males ...	2	7	11	11	6	6	7	3	8	3	—	64	77	
„ „ Females..	1	7	11	7	7	8	13	3	2	1	—	60	55	

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 ...	—	—	—	—	—	72	230
„ Females ...	—	—	2	2	2	64	140
Non-pulmonary Males ...	—	4	1	5	7	6	48
„ „ Females.	—	1	—	1	3	3	49

The work of the Tuberculosis Dispensaries has been very satisfactory during

Dr. McFarland, the Tuberculosis Officer for the Southern portion of Islington  
Dr. Conway, the Tuberculosis Officer for the Northern portion, have been constantly  
touch with the Health Officer, and co-ordination has thus been  
satisfactorily maintained. I have to thank them for the two Assistant Medical  
(Tuberculosis) for the good results obtained.

During the year 1930 persons who were referred by the Tuberculosis Officer, and  
patients made to the dispensary, were as follows:

At the Tuberculosis Dispensary, the number of new cases, and at the Southern end  
the attendance at the dispensary was 7,000, and at the latter 8,825. The examination  
contacts with the dispensary were 1,000, and at the latter 1,000. The examination  
suspect and 1,000, and at the latter 1,000. The examination  
visits, and the number of the patients, and at the latter 1,000. The examination  
those Office of the dispensary, and at the latter 1,000. The examination  
to the patients, and at the latter 1,000. The examination

Finney, 1,000, and at the latter 1,000. The examination  
Finney, 1,000, and at the latter 1,000. The examination

Pneumothorax, 1,000, and at the latter 1,000. The examination  
Pneumothorax, 1,000, and at the latter 1,000. The examination

The number of persons who were referred by the Tuberculosis Officer, and

Year	New Cases	Actual number of Attendance	Total	1930			1931			1932		
				North	South	Total	North	South	Total	North	South	Total
1930	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
1931	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
1932	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
Total	3,000	3,000	6,000	3,000	3,000	6,000	3,000	3,000	6,000	3,000	3,000	6,000

A summary is given for the following years:

Year	Cases	Attendance	1930			1931			1932		
			North	South	Total	North	South	Total	North	South	Total
1930	1,000	1,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
1931	1,000	1,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
1932	1,000	1,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000
Total	3,000	3,000	3,000	3,000	6,000	3,000	3,000	6,000	3,000	3,000	6,000



## TUBERCULOSIS DISPENSARIES.

The work of the Tuberculosis Dispensaries has been very satisfactorily performed.

Dr. McFarland, the Tuberculosis Officer for the southern portion of Islington, and Dr. Comyn, the Tuberculosis Officer for the northern portion, have been constantly in touch with the Public Health Department, and co-ordination has thus been most satisfactorily maintained. I have to thank personally these two Assistant Medical Officers (Tuberculosis) for the good results obtained.

During the year 1,283 persons were examined by the Tuberculosis Officers, and the patients made 10,826 attendances.

At the Northern Dispensary there were 721 new cases, and at the Southern 562, while the attendances at the former were 4,001 and at the latter 6,825. The examination of contacts with tuberculous cases showed that 42 were suffering from tuberculosis, 36 were suspect, and 532 were not suffering. The nurse at the Northern Dispensary paid 1,312 visits, and the nurse at the Southern 2,582, to the homes of the patients, while the Tuberculosis Officer of the Northern Dispensary made 214 visits, and of the Southern 401 visits to the patients' homes for the purpose of examining them.

**Finsen Light Treatment.**—Five patients received beneficial treatment by Finsen Light at the London Hospital, at a cost to the Council of £49 15s. 0d.

**Pneumothorax Treatment** was also administered to one patient at a cost of 10s. 6d.

The number of persons in attendance at the Dispensaries in each year is as follows :

## TUBERCULOSIS.

	1918		1919		1920		1921		1922		1923	
	North Dispy	South Dispy	North Dispy	South Dispy	North Dispy	South Dispy	North Dispy	South Dispy	North Dispy	South Dispy	North Dispy	South Dispy
New Cases ... ..	635	872	585	756	655	760	615	758	600	581	721	562
Actual number of Attendances ... ..	3798	6511	4057	6782	3921	6895	3212	7030	3297	6659	4001	6825
Totals ... ..	4433	7383	4642	7538	4576	7655	3227	7788	3897	7240	4722	7387

A summary is given for the following years :

	Cases.	Attendances.		Cases.	Attendances.
1918	1,507	10,309	1921	1,373	10,242
1919	1,341	10,839	1922	1,181	9,956
1920	1,415	10,816	1923	1,283	10,826
			Totals ...	8,100	62,988





Table showing the number of **Tuberculous Persons** attending the Borough Tuberculosis Dispensaries and the New Cases during 1923.

Date.	Dispensary	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	TOTAL.
Attendances ... {	Northern Southern	419 624	357 547	316 602	336 580	334 597	379 521	326 571	304 546	287 504	383 637	312 597	248 499	4,001 6,825	} 10,826
New Cases Including Contacts {	Northern Southern	94 60	79 37	46 59	57 49	65 49	69 36	44 55	64 46	45 39	77 52	39 41	42 39	721 562	} 1,283
CONTACTS.															
Tuberculosis ... {	Northern Southern	1 2	— 5	1 2	1 2	— 1	— 4	— 5	— 2	— 2	— 6	1 3	1 3	5 37	} 42
Suspects ... {	Northern Southern	4 3	2 2	1 3	— 2	1 3	2 —	3 —	1 1	— 1	1 3	— 1	— 2	15 21	} 36
Non-Tuberculous {	Northern Southern	51 16	32 10	26 20	25 14	34 20	32 11	13 21	36 19	23 13	39 20	16 16	12 13	339 193	} 532
Nurses' Visits ... {	Northern Southern	90 282	80 221	84 219	95 226	131 258	136 35	91 216	126 180	108 270	141 277	110 211	120 187	1,312 2,582	} 3,894
Tuberculosis Officers' Visits {	Northern Southern	20 35	18 36	19 35	21 35	12 35	21 34	12 33	22 31	14 32	19 33	18 32	18 30	214 401	} 615

### THE INFECTIOUS DISEASES IN THE PUBLIC ELEMENTARY SCHOOLS.

1,028 cases of the notifiable infectious diseases occurred in the Public Elementary Schools of the Borough, of which 639 were Scarlet Fever, and 386 Diphtheria.

The number of notifications of the several diseases are given below :

Disease.	No. of Notifications.	Average of preceding 10 years.	Increase or Decrease.
Small Pox ...	—	—	—
Scarlet Fever ..	639	732	— 93
Diphtheria ...	386	386	—
Enteric Fever ...	3	2	+ 1
Other Diseases ...	—	1	— 1
Total ...	1,028	1,121	— 93

**Non-Notifiable Diseases.**—3,401 cases came to the knowledge of the Medical Officer of Health during the year, viz. : 507 cases of Measles, 759 cases of Chicken Pox, 429 of Whooping Cough, and 1,706 of other diseases.

The information respecting these cases was received from the teachers of 60 schools.

**Exclusion of Scholars from Schools.**—3,751 children were excluded from classrooms of various schools owing to the presence of an infectious disease, chiefly Diphtheria and Scarlet Fever, in the houses wherein they lived.

The non-notifiable diseases among children attending the Public Elementary Schools were :

Disease.	Notifications by Teachers.	Average of preceding 10 years.	Increase or Decrease.
Measles ...	507	1,514	— 1,007
Chicken Pox ..	759	755	+ 4
Whooping Cough ...	429	582	— 153
† Other Diseases ...	1,706	2,584	— 878
	3,401	5,435	— 2,034

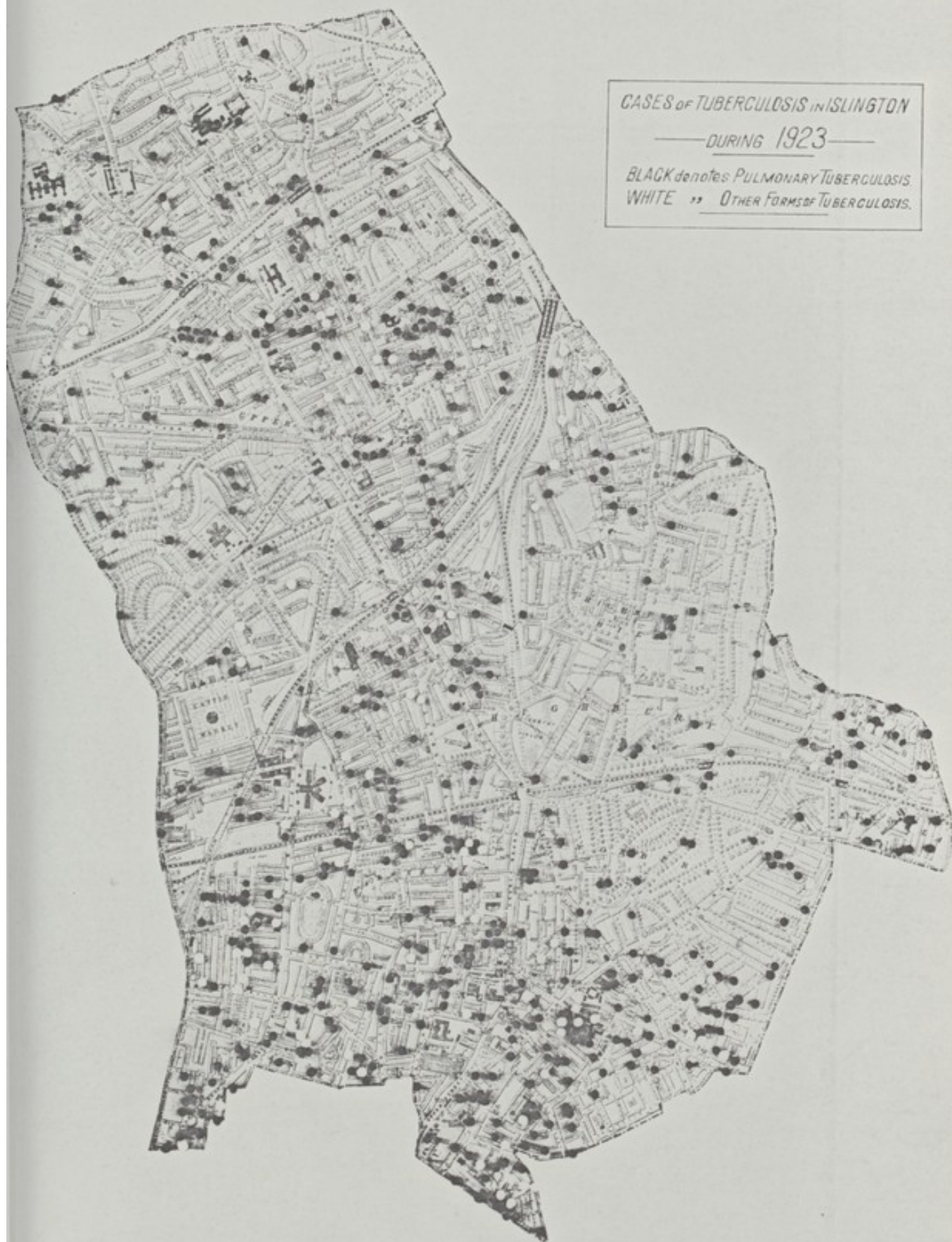
† NOTE.—“ Other Diseases ” include Mumps, Scabies, Ophthalmia, Itch etc.





*CASES OF TUBERCULOSIS IN ISLINGTON*  
*— DURING 1923 —*

*BLACK denotes PULMONARY TUBERCULOSIS.*  
*WHITE " OTHER FORMS OF TUBERCULOSIS.*







## BACTERIOLOGICAL EXAMINATIONS.

2,568 examinations were made for the medical profession of the sputum, of swabs from the throat and of the blood of patients suspected to be suffering from Phthisis, Diphtheria and Enteric Fever, respectively.

This number is an increase of 704 on that of the preceding year. It is also 1,287 above the decennial average. Of the total examinations, 463 or 18 per cent. gave positive results.

**Diphtheria.**—1,677 specimens were examined for Diphtheria, of which 306, or 18·2 per cent., were found to contain Diphtheria bacilli.

**Enteric Fever.**—20 specimens of blood were examined, 5 of which gave positive results.

**Phthisis.**—871 specimens of sputum were examined, 152, or 17·4 per cent., of which showed that the patients were suffering from this disease.

## DIPHTHERIA—Pathogenicity Tests.

1923.

No. Submitted for Examination.	Negative Result. (Bacilli).	Positive Result. (Bacilli).	Non-Virulent.	VIRULENT.
49	40	9	5	4

*Showing the result of the Bacteriological Examinations made for the Diagnosis of Diphtheria, Enteric Fever and Phthisis, 1913-23.*

PERIODS.	DIPHTHERIA.			ENTERIC FEVER.			PHTHISIS.			Totals.
	Positive Results.	Negative Results.	Total Examined	Positive Results.	Negative Results.	Total Examined	Positive Results.	Negative Results.	Total Examined	
1913 ...	163	418	581	24	28	52	183	546	729	1,362
1914 ...	178	518	696	15	44	59	243	567	810	1,565
1915 ...	123	360	483	16	19	35	198	568	766	1,284
1916 ...	127	277	404	10	12	22	135	390	525	951
1917 ...	100	216	316	12	8	20	165	420	585	921
1918 ...	74	171	245	3	21	24	111	358	469	738
1919 ...	116	352	468	5	15	20	92	348	440	928
1920 ...	261	677	938	3	20	23	83	375	458	1,419
1921 ...	238	969	1,207	3	19	22	127	421	548	1,777
1922 ...	291	953	1,244	—	9	9	139	472	611	1,864
Average 10 years ...	167	491	658	9	20	29	148	446	594	1,281
1923... ..	306	1,371	1,677	5	15	20	152	719	871	2,568

## VACCINATION.

Of the 6,599 births registered in 1922, the returns of vaccination show that only 2,902 infants were successfully vaccinated, while 17 were found to be insusceptible. There were also 338 who died unvaccinated, and 2,347 statutory declarations of conscientious objection to vaccination were obtained by the parents or guardians; 35 vaccinations were postponed



under medical authority, 273 were removed to other districts or places unknown, thus leaving 687 unaccounted for. The return of certificates of exemption, therefore, represents 35.6 per cent. of the registered births.

Years.	Vaccination per 100 births, less infants who died unvaccinated.	Years.	Vaccination per 100 births, less infants who died unvaccinated.
1908	72.4	1916	47.5
1909	70.7	1917	46.7
1910	66.7	1918	46.4
1911	62.3	1919	46.0
1912	54.1	1920	49.3
1913	51.1	1921	44.9
1914	46.8	1922	46.3
1915	49.0		

**Certificates of Exemption.**—The following tabular statement shows the increase of these certificates, more especially since 1906 :

1906	123	1912	1,646	1917	1,341
1907	259	1913	1,942	1918	1,027
1908	588	1914	2,124	1919	1,583
1909	824	1915	1,710	1920	2,866
1910	1,080	1916	1,796	1921	2,556
1911	1,241			1922	2,347

**Return furnished by the Vaccination Officers respecting the Vaccination of Children in the Sub-Registration Districts during the previous year 1922.**

REGISTRATION SUB-DISTRICTS.	Number of Births registered in 1922.	Successfully Vaccinated.	In- susceptible of Vaccination.	Had Small Pox.	Number of Statutory Declarations of Conscientious Objection.	Died Unvaccinated.	Postponement by Medical Certificate.	Removed to other Districts.	Removed to places Unknown.	Number of Children remaining Unvaccinated, or not accounted for (Defaulters).	Total Number of Certifi- cates of Successful Primary Vaccination at All Ages received during year 1923.	Number of Statutory Declarations of Conscientious Objection received during year 1923.
	1	2	3	4	5	6	7	8	9	10	11	12
Tufnell .. ...	589	273	1	—	176	44	2	25	13	55	2,137	138
Up. Holloway ..	676	327	2	—	221	34	—	19	20	53		169
Tollington ...	609	249	2	—	214	14	—	15	13	102		145
Highbury ...	1002	435	5	—	374	58	—	2	36	112		290
Lr. Holloway ...	925	385	3	—	307	49	3	2	29	147	2,534	228
Barnsbury ...	1255	617	—	—	422	66	8	4	45	93		334
Islington, S.E. ..	1543	616	4	—	633	93	22	11	39	125		500
The Borough.	6599	2902	17	—	2,347	338	35	78	155	657	4,721	1,804

## DISINFECTION.

**Disinfection of Rooms.**—2,042 rooms were disinfected, as contrasted with 2,694 in 1922. For this purpose formaldehyde, either in a gaseous form or in solution, was employed, although it was sometimes augmented by sulphur dioxide, when it was





necessary to kill vermin, for which purpose it has been found most effective. For the extermination of bugs, however, all the architrave mouldings and skirting boards behind which they breed are removed, and the walls washed with hot lime.

The above figures also include the disinfection of houses and rooms after Phthisis, *vide* p. 28.

**The Cleansing and Spraying of Rooms.**—1,525 rooms, as contrasted with 1,474 in 1922, were cleansed and sprayed.

	Rooms Disinfected.		Rooms Sprayed.	
	1923.	1922.	1923.	1922.
1st Quarter ... ..	409	813	373	423
2nd " ... ..	441	730	403	404
3rd " ... ..	564	589	386	258
4th " ... ..	628	562	360	389
The Year ... ..	2,042	2,694	1,525	1,474

**Work at the Disinfecting Station.**—55,693 large articles of bedding, etc., as detailed below, were disinfected by the steam disinfectors, at the Council's Disinfecting Station, compared with 71,148 similar articles disinfected during the previous year.

In addition to the above articles 47,956 second-hand garments and bed blankets were disinfected for clothing contractors trading in the borough, who paid the Council for the work, amounting to the sum of £119 14s. 0d.

Altogether, 103,649 articles described in the two paragraphs preceding were disinfected, which bring the number of large articles disinfected since the disinfecting station was established to 1,951,490.

*Summary of the chief articles of Clothing, Bedding, etc., disinfected during the year 1923, and also in the preceding year 1922.*

	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	The Year 1923	1922
Beds .. ...	525	506	728	753	2,512	3,055
Blankets ... ..	1,092	1,117	1,459	1,285	4,953	5,822
Bolsters ... ..	478	451	614	347	1,890	2,674
Carpets ... ..	14	4	4	8	30	18
Chair Bed Cushions .	73	52	75	59	259	318
Mattresses ... ..	556	489	785	578	2,408	3,005
Palliasses ... ..	—	—	4	19	23	25
Pillows ... ..	938	1,316	1,922	1,513	5,689	6,463
Quilts ... ..	469	408	586	642	2,105	2,823
Sheets ... ..	815	784	1,179	1,219	3,997	5,203
Other Articles ... ..	7,781	6,227	8,578	9,241	31,827	41,742
TOTALS ... ..	12,741	11,354	15,934	15,664	55,693	71,148





The nature of the articles disinfected for the clothing contractors is shown below :

	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Year.
Overcoats ... ..	2,355	1,530	6,070	5,850	15,865
Jackets ... ..	842	1,074	2,523	1,550	5,989
Blankets ... ..	1,780	5,716	14,550	1,950	23,996
Trousers ... ..	—	—	36	150	186
Tunics ... ..	—	—	880	2	882
Other Articles ... ..	265	509	172	92	1,038
Totals ... ..	5,242	8,889	24,231	9,594	47,956

**Disinfectants Distributed and Used.**—The following statement gives the quantity of disinfectants distributed by the Sanitary Authority, or used in disinfecting and cleansing rooms :

How disposed of.	Carbolic Powder.	Disinfecting Fluid.	Formaldehyde.			
			Powder.			Solution.
	Tons. cwts.	Gallons.	cwt.	qr.	lbs.	Gallons.
To Householders ... ..	1 10	150	—	—	—	—
Disinfection of Premises ... ..	—	—	—	—	28	65

Cost = £79 15s. 0d.

**Shelter House.**—The Shelter House was occupied by 3 persons during the disinfection of their homes after infectious diseases. Baths were given to 13 verminous persons, also to 11 men under the "Cleansing of Persons Act," whilst their clothing was disinfected.

Five midwives also attended for the purpose of disinfection after attendance on cases of Puerperal Fever.

**Verminous School Children.**—During the year 4,886 baths were given to children from the London County Council Schools, who attended the Disinfecting Station, and were cleansed by the nurse whom the Borough Council appointed for the work, while their clothing was undergoing disinfection. The daily attendance ranged from 4 to 50.

The agreement entered into between the London County Council and the Borough Council from the 1st January, 1921, for the cleansing of verminous children, is a payment at the rate of 2s. for each attendance of each child at Cleansing Station, except when such child is, or is suspected to be, suffering from Scabies, in which case payment by the London County Council will be at the rate of 1s. for each bath given. The minimum payment to be paid to the Borough Council in respect of such cleansing shall be not less than £100 per annum.

The amount paid during the year by the London County Council for the baths given to the children was £419 14s.

Proceedings were instituted by the London County Council under Section 122 of the Children Act, 1908, in 51 instances during the year, when fines ranging from 3s. to 10s. were inflicted, the total amount being £21 11s. 6d.



## FACTORY AND WORKSHOP ADMINISTRATION.

The Medical Officer of Health submits the annual report on the manner in which the provisions of the Factory and Workshops Act, 1901, were carried out in his district during the year 1923.

**Inspections and Visits.**—The inspections and visits made by the three Inspectors were as under :

Factories, including Factory Laundries ...	...	...	...	624
Workshops, including Workshop Laundries ...	...	...	...	954
Workplaces, other than outworkers' homes ...	...	...	...	396
Bakehouses ...	...	...	...	333
Restaurant Kitchens ...	...	...	...	423
Outworkers' premises ...	...	...	...	1,235
Miscellaneous re-inspections and calls ...	...	...	...	5,324
Total ...				9,289

**Notices Served.**—In consequence of the 1,147 sanitary defects discovered as the result of the inspections above ; 278 intimations and 20 statutory notices were served. Of these notices 73 were served on the owners of factories, 139 on the owners of workshops and workplaces, and 57 on the owners of bakehouses and restaurant kitchens. In addition to these nuisances, 156 were discovered on Outworkers' premises, necessitating the service of 29 notices. A summons was taken out in one instance with the result that upon the nuisance having been subsequently abated, the case was withdrawn on payment of £1 1s. costs.

**Registers.**—There were 1,947 workshops on the Register, as contrasted with 1,831 in 1922, while the total number of workrooms was 2,766 as contrasted with 2,621 in the previous year ; 237 workshops were added to the Register, while 121 were removed from it.

The various workshops and workplaces are tabulated as below :

Workshops and Workplaces.	1923.			
	Total Workshops on Register.	Total Workrooms on Register.	Number added during Year.	Number removed during Year.
Workshops where Men are employed	873	1,305	156	71
Workshops where Women are employed ...	434	739	53	40
Laundries ...	18	46	—	—
Bakehouses ...	236	245	1	5
Restaurant Kitchens ...	386	431	27	5
Total ...	1,947	2,766	237	121
Outworkers' Premises ...	2,404	—	583	421





## WORKSHOPS NOTIFIED TO HOME OFFICE, 1923.

TRADE.	Number of Workshops.	Women.	Male Young Persons.	TOTAL.
Blouses ... ..	2	6	—	6
Millinery ... ..	8	14	—	14
Furrier ... ..	7	13	—	13
Tailoring ... ..	5	9	—	9
Dressmaking ... ..	7	36	—	36
Mantles ... ..	3	8	—	8
Costumes ... ..	1	8	—	8
Christmas Crackers ... ..	1	2	—	2
Underclothing ... ..	2	2	—	2
Rag Sorting ... ..	2	7	—	7
Confectionery ... ..	1	3	2	5
Cabinet Making ... ..	1	2	2	4
Leather Goods ... ..	1	5	2	7
Lamp Shades ... ..	1	1	—	1
Cake Ornament Making ... ..	1	6	—	6
Handbags ... ..	1	4	—	4
Weaving ... ..	1	1	—	1
Pleating and Hemstitching ... ..	1	5	—	5
Art Florist ... ..	1	6	—	6
Waterproof Making ... ..	1	2	—	2
Heel Grips ... ..	1	4	2	6
Raffia Dyeing ... ..	1	3	—	3
Carnival Sundries ... ..	1	4	—	4
Wax Products ... ..	1	3	—	3
Bedstead Making ... ..	1	—	3	3
Baker ... ..	1	—	2	2
Printer ... ..	1	—	1	1
French Polishing ... ..	1	—	1	1
Upholsterer ... ..	1	—	1	1
Motor Repairs ... ..	1	—	1	1
Pianoforte Making... ..	1	—	3	3
Chair Making... ..	1	—	3	3
TOTAL ... ..	60	154	23	177

## INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecutions. (4)
Factories ... .. (Including Factory Laundries)	624	73	—
Workshops ... .. (Including Workshop Laundries)	954	110	1
Workplaces ... .. (Other than Outworkers' premises)	396	29	—
Restaurant Kitchens ... ..	423	30	—
Bakehouses ... ..	333	27	—
Outworkers' Premises ... ..	1,235	29	—
Miscellaneous Re-Inspections and calls ... ..	5,324	—	—
Total ... ..	9,289	298	1





## DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

Particulars.  (1)	Number of Defects.			Number of Prosecutions.  (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	
<i>Nuisances under the Public Health Acts*—</i>				
Want of cleanliness ... ..	254	273	—	—
Want of ventilation ... ..	16	15	—	—
Overcrowding ... ..	5	5	—	—
Want of drainage of floors ... ..	21	21	—	—
Other nuisances ... ..	362	369	—	—
Sanitary Accommodation { insufficient ... ..	32	35	—	—
{ unsuitable, foul or defective ... ..	449	438	—	1
{ not separate for sexes... ..	5	7	—	—
<i>Offences under the Factory and Workshop Act—</i>				
Illegal occupation of underground bakehouse (s. 101)	—	—	—	—
Breach of Special sanitary requirements for bake-houses (ss. 97 to 100) ... ..	2	2	—	—
Other offences ... ..	1	1	—	—
Total ... ..	1,147	1,166†	—	1

\* Including those specified in sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts. † Defects found left over from previous year are also included in this total.

OUTWORKERS' PREMISES.

	Instances.	Notices Served.	Remedied.	Prosecutions.
Outwork in unwholesome premises (s. 108) ...	135	39	135	—
Outwork in infected premises (s. 109, 110) ...	21	—	21	—
Total ... ..	156	39	156	—

## OUTWORKERS' LISTS (s. 107):

Lists received from Employers ... ..	1,832
Addresses received from Other Councils ... ..	2,164
Addresses forwarded to Other Councils ... ..	922
Firms failing to send in lists (No. letters sent) ... ..	327

### OTHER MATTERS.

	Number.
Matters notified to H.M. Inspector of Factories :	
Failure to affix Abstract of the Factory and Workshop Act (s. 133, 1901) ..	16
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5, 1901). { Notified by H.M. Inspector ...	17
Reports (of action taken) sent to H.M. Inspector ... ..	17
Other (New Factories reported under Home Office Memorandum, 1912) ...	nil
Underground Bakehouses (s. 101) in use at the end of the year . ...	84

## DISTRICT INSPECTORS' WORK.

The fourteen district inspectors made a total of 57,817 inspections and calls during the year, a decrease of 3,525 inspections on the corresponding period of 1922; while 13,175 improvements were effected in 5,762 premises; as against 14,173 improvements in 5,866 premises for the preceding year.





**Synopsis of Inspectors' Work.**—The following statement gives a brief synopsis of the district inspectors' work in 1923 :

House to house inspections	...	...	...	...	...	...	...	2,535
Other inspections of dwelling houses	...	...	...	...	...	...	...	5,284
Re-inspections and calls made	...	...	...	...	...	...	...	46,789
Visits of inquiry <i>re</i> notifiable infectious diseases	...	...	...	...	...	...	...	2,096
Butchers' shops, stalls, etc. (Saturday nights)	...	...	...	...	...	...	...	47
Ice cream shops and factories	...	...	...	...	...	...	...	83
Dairies and Milkshops	...	...	...	...	...	...	...	823
Stables and yards	...	...	...	...	...	...	...	1,316
Manure depots	...	...	...	...	...	...	...	47
Smoke observations	...	...	...	...	...	...	...	215

**Notices Served.**—There were 3,489 intimation notices served by the inspectors with respect to nuisances, of which 341 were delivered personally, and 3,148 by post. In 584 instances it became necessary, as the intimations to owners or occupiers of the properties had been ignored, to report the nuisances to the Public Health Committee, who ordered statutory notices to be served.

**Verminous Premises—Bedding and Clothing.**—122 premises which were found to be in a verminous condition, were cleansed by the owners or occupiers upon receiving the Inspectors' intimations. In 18 instances it was necessary to remove the bedding and clothing to the Disinfecting Station for purification or destruction.

**Smoke Nuisances.**—32 complaints of smoke issuing from factory chimneys in the borough were investigated, and as a result of the Inspectors' observations 32 warnings were given and 13 intimations and 5 statutory notices served upon the owners of the businesses requiring the abatement of the nuisance. Two summonses were taken out, and orders were made for the defendants to prevent the recurrence of the nuisance, and pay costs amounting to £2 11s.

#### SCHOOLS.

Attention was drawn to the condition of Gifford Street School in consequence of several cases of Diphtheria in the district. The Medical Officer of Health of the London County Council was communicated with and the particulars as far as could be ascertained were laid before him, the conditions being considered to be such as required immediate and thorough attention. As a result, the whole of the school premises were thoroughly cleansed, and the whole of the drainage system tested, when several sections were found to be defective, and these were repaired.

The conditions at St. Jude's (C.E.) Schools also called for attention from my department, as it did not appear that the London County Council's regulations with regard to the cleanliness of schools was being carried out in its entirety.

Other minor items which came to our notice in regard to schools were also dealt with during the year.

#### REMOVAL OF DUST.

Sixteen applications were received during the year for the removal of dust, which is 1 above the number recorded last year.

The applications received for the previous ten years were as follows :

1914	26	1919	19
1915	28	1920	36
1916	21	1921	21
1917	30	1922	15
1918	11		

**Dust Receptacles Provided.**—During the year 1,309 dust receptacles were provided, while 8 were repaired after the service of sanitary notices.





Showing the summary of **Sanitary Work** from **District Inspectors' Reports**  
for the year **1923.**

	DISTRICTS.														Totals
	1	2	3	4	5*	6	7	8	9	10	11	12	13	14	
House to House Inspections ...	106	233	152	187	—	170	159	64	457	127	159	218	229	274	2535
Other premises inspected ...	424	368	317	506	—	474	334	404	410	289	399	536	483	340	5284
Re-inspections, Calls made, etc.	2759	2881	3666	2984	—	3916	4239	456	3769	3541	3641	4053	3684	3600	46789
Ice Cream Factories inspected	1	—	12	27	—	4	—	—	21	—	5	13	—	—	83
Dairies and Milkshops " ...	33	23	111	170	—	18	105	111	112	11	47	26	26	30	823
Stables " ...	7	3	11	51	—	25	26	9	18	27	1	—	10	38	226
Yards " ...	50	10	298	158	—	10	246	12	53	48	20	6	44	45	1090
Manure Depots " ...	4	—	—	29	—	1	—	—	13	—	—	—	—	—	47
Vacant land, Passages and Courts inspected ...	11	1	3	3	—	2	39	1	1	35	1	—	16	10	123
Urinals attached to P.H.'s inspected ...	—	63	76	48	—	16	100	6	25	12	7	6	16	45	423
Premises (re Certificate Customs and Inland Revenue Acts) inspected ...	—	—	—	8	—	2	—	4	14	—	—	—	—	41	69
Premises (re Water Certificates) inspected ...	—	—	—	—	—	—	1	14	—	—	—	—	—	48	63
Visits re Sale of Food and Drugs Acts ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Smoke observations ...	—	15	3	40	—	32	18	—	85	5	9	5	2	1	215
Shops, Stalls and Markets (Saturday evening) ...	4	4	4	4	—	2	3	5	5	5	3	3	2	3	47
<b>Total Inspections and Calls</b>	<b>3399</b>	<b>3694</b>	<b>4653</b>	<b>4215</b>	<b>—</b>	<b>4672</b>	<b>5270</b>	<b>4686</b>	<b>4983</b>	<b>4100</b>	<b>4292</b>	<b>4866</b>	<b>4512</b>	<b>4475</b>	<b>57817</b>
<b>NOTICES SERVED.</b>															
Intimation { Personally ...	5	1	28	12	—	23	14	10	136	2	62	9	12	27	341
By Post ...	182	264	172	372	—	231	246	253	291	1	232	399	256	249	3148
Statutory { Personally ...	—	2	5	30	—	19	5	2	23	9	18	9	4	7	133
By Post ...	24	21	25	53	—	53	35	21	36	—	41	62	35	45	451
<b>IMPROVEMENTS.</b>															
Drains—															
Constructed ...	—	—	—	1	—	2	—	—	3	—	—	—	—	—	6
Reconstructed ...	18	9	11	9	—	18	18	6	7	3	21	1	3	8	132
Repaired ...	11	22	8	30	—	39	29	17	24	7	30	15	11	22	265
Ventilated ...	20	13	4	13	—	25	2	10	2	3	12	1	5	27	137
Gully and other traps fixed ...	100	55	39	40	—	58	47	25	34	9	14	2	12	42	477
Urinals—															
Water supplied, cleansed ...	—	—	1	7	—	1	3	—	3	—	—	—	4	1	20
Cesspools—Abolished ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Water Closet—															
W.C. erected with pan, trap and water supply ...	4	1	3	1	—	2	2	1	7	—	3	—	1	—	25
Pan and trap only provided ...	34	31	19	33	—	41	19	23	18	7	59	9	16	47	356
Water supply provided ...	39	39	16	29	—	43	43	29	53	2	20	28	44	39	424
Ventilated ...	—	1	2	1	—	—	—	—	35	—	—	1	1	1	42
Position altered ...	—	—	7	—	—	1	1	—	1	—	—	—	—	—	10
Dust Bins { Provided ...	130	165	112	136	—	103	85	69	76	13	70	134	142	74	1309
Repaired ...	—	2	—	—	—	3	1	—	1	—	—	—	1	—	8
Areas—Constructed ...	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1
Yards { Paved ...	2	—	2	2	—	2	10	1	1	1	—	3	—	1	25
Repaved ...	28	16	14	41	—	32	41	20	28	5	32	24	26	14	324
Sinks—Provided ...	7	13	—	3	—	—	3	—	4	—	2	—	2	8	42
Domestic Water Supply—															
Cisterns provided ...	3	—	—	—	—	—	—	—	—	—	—	—	—	2	5
Cisterns repaired & cleansed	9	17	12	26	—	27	25	3	21	4	7	4	17	24	196
Water supply provided to dwelling house ...	7	4	5	4	—	—	9	2	6	6	1	—	3	3	50
Water supply provided to tenement house ...	1	3	1	8	—	1	4	—	8	—	1	1	3	9	40
Other improvements—															
Rooms cleansed & limewashed	84	135	254	282	—	335	336	187	408	64	364	342	442	240	3473
Walls and passages repaired, cleansed and limewashed ...	53	34	52	95	—	70	67	56	107	13	137	91	150	67	992
Floor space ventilated ...	4	1	5	3	—	1	5	3	8	—	16	1	2	5	54
Floors repaired ...	28	15	13	36	—	34	16	7	28	8	32	30	32	27	306
Roofs repaired ...	47	49	42	109	—	94	123	72	97	28	106	112	135	109	1123
Overcrowding abated ...	—	1	1	1	—	2	4	2	1	—	—	2	—	1	15
Illegal use of underground rooms for sleeping discontinued ...	—	—	—	—	—	1	—	1	2	—	—	1	1	—	6
Other improvements, or Nuisances abated ...	95	96	79	144	—	162	144	77	144	24	158	108	208	176	1615
Rooms Disinfected ...	142	187	134	221	—	30	82	78	197	29	75	158	194	170	1697
<b>Total improvements</b> ...	<b>866</b>	<b>909</b>	<b>836</b>	<b>1278</b>	<b>—</b>	<b>1127</b>	<b>1119</b>	<b>689</b>	<b>1324</b>	<b>226</b>	<b>1160</b>	<b>1069</b>	<b>1455</b>	<b>1117</b>	<b>13175</b>
<b>Total premises improved</b>	<b>367</b>	<b>485</b>	<b>415</b>	<b>615</b>	<b>—</b>	<b>373</b>	<b>436</b>	<b>296</b>	<b>606</b>	<b>109</b>	<b>431</b>	<b>533</b>	<b>611</b>	<b>485</b>	<b>5762</b>

## HOUSES ENT IN LODGINGS.

There were 1,012 houses under the operation of the bye-laws at the end of the year 1922. 510 inspections were made during the year, followed by 8,300 subsequent inspections and calls so that the total cost amounted to £8,710.

These inspections resulted in 534 intimations being served on the persons responsible for the houses, which were followed by 53 statutory notices to demand the abatement of the nuisances discovered by the two inspectors. Five summonses were taken out for non-compliance with the notices served.

Altogether 4,145 improvements were effected in 755 premises.

## Synopsis of Inspectors' Work.

Total	Districts		Total
	North.	South.	
Drains:			
Constructed	—	—	—
Reconstructed	—	—	—
Repaired	—	—	—
Ventilated	—	—	—
Gully and surface drains	—	—	—
Water Cisterns	—	—	—
W.C. closets	—	—	—
Pan and trap	—	—	—
Water supply	—	—	—
Ventilated	—	—	—
Position altered	—	—	—
Dust Bins	—	—	—
Provided	—	—	—
Repaired	—	—	—
Arises:			
Constructed	—	—	—
Yards:			
Paved	—	—	—
Repaired	—	—	—
Sinks:			
Provided	—	—	—
Domestic Water Supply	—	—	—
Cisterns	—	—	—
Cisterns repaired	—	—	—
Water supply	—	—	—
Water supply, improved at intervals	—	—	—
Other Improvements	—	—	—
Rooms cleaned and repainted	—	—	—
Walls and ceilings repaired, cleaned and	—	—	—
limewashed	—	—	—
Floor space repainted	—	—	—
Floors repaired	—	—	—
Roofs repaired	—	—	—
Miscellaneous improvements	—	—	—
Total Inspections	2,020	2,082	4,102
Total Premises Inspected	282	288	570

## RATS AND MICE (DESTRUCTION) ACT, 1919.

(9 and 10 Geo. 5. Ch. 73.)

This Act came into operation on the 1st January, 1920, to make further provision for the destruction of rats and mice.

The appointment of the temporary Rat Officer was terminated by the Council on 15th June, 1923.



## HOUSES LET IN LODGINGS.

There were 1,012 houses under the operation of the bye-laws at the end of the year 1923; 510 inspections were made during the year, followed by 8,200 subsequent re-inspections and calls, so that the total visits amounted to 8,710.

These inspections resulted in 531 intimations being served on the persons responsible, which were followed by 83 statutory notices to demand the abatement of the nuisances discovered by the two inspectors especially engaged upon this work. Five summonses were taken out for non-compliance with the notices served.

Altogether, 4,103 improvements were effected in 755 premises.

**Synopsis of Inspectors' Work:—**

IMPROVEMENTS.	Districts.		Total.
	North.	South.	
<b>DRAINS :</b>			
Constructed ... ..	—	—	—
Reconstructed ... ..	—	5	5
Repaired ... ..	10	19	29
Ventilated ... ..	—	—	—
Gully and other traps fixed ... ..	16	4	20
<b>WATER CLOSETS :</b>			
W.C. erected with pan, trap and water supply	1	1	2
Pan and trap only provided ... ..	15	30	45
Water supply provided ... ..	—	—	—
Ventilated ... ..	2	—	2
Position altered . ... ..	—	—	—
<b>DUST BINS :</b>			
Provided ... ..	100	96	196
Repaired ... ..	—	—	—
<b>AREAS :</b>			
Constructed ... ..	—	—	—
<b>YARDS :</b>			
Paved ... ..	—	—	—
Repaved .. ... ..	27	63	90
<b>SINKS :</b>			
Provided ... ..	10	2	12
<b>DOMESTIC WATER SUPPLY :</b>			
Cisterns provided ... ..	—	—	—
Cisterns repaired and cleansed ... ..	17	12	29
Water supply provided to dwelling house ...	1	—	1
Water supply provided to tenement house ...	17	1	18
<b>OTHER IMPROVEMENTS :</b>			
Rooms cleansed and limewashed ... ..	581	639	1,220
Walls and passages repaired, cleansed and limewashed ... ..	98	188	286
Floor space ventilated... ..	—	—	—
Floors repaired .. ... ..	55	74	129
Roofs repaired ... ..	142	156	298
Miscellaneous improvements ... ..	928	793	1,721
<b>TOTAL IMPROVEMENTS</b> ... ..	2,020	2,083	4,103
<b>TOTAL PREMISES IMPROVED</b> ... ..	387	368	755

**RATS AND MICE (DESTRUCTION) ACT, 1919.**

(9 and 10 Geo. 5. Ch. 72.)

This Act came into operation on the 1st January, 1920, to make further provision for the destruction of rats and mice.

The appointment of the temporary Rat Officer was terminated by the Council on 15th June, 1923.





The following statement shows the work performed by the Rat Officer since he was appointed :

SUMMARY OF WORK FROM RAT OFFICER'S REPORTS DURING THE YEARS 1920-23.

	1923 Jan. to June	1922	1921	1920
Number of Streets visited ... ..	544	711	669	607
Number of Private Houses visited... ..	650	1,023	805	945
Number of Shops and Factories visited ... ..	712	1,009	1,034	1,326
Total Premises inspected ... ..	1,362	2,032	1,839	2,271
Found Rat Infested ... ..	787	1,331	1,406	1,355
Found Mice Infested .. ..	66	72	55	196
Defective Drains Repaired (Cause of Rat trouble)	13	52	45	34
Number of Complaints received ... ..	67	177	175	172

### HOUSING, INSPECTIONS, ETC.

On the 31st August, 1923, the Medical Officer of Health made representation to the London County Council on the George's Road and Brand Street Areas, which have been the subject of much investigation, the results of various inquiries having been before the Public Health and Housing Committees of the Borough Council.

The representation was as follows :

31st August, 1923.

SIR,—I beg to represent pursuant to the provisions of the Housing Acts 1890 to 1923, that within the areas in the Metropolitan Borough of Islington shewn by a pink tint on the plan annexed hereto houses courts or alleys are unfit for human habitation and/or the narrowness closeness and bad arrangement or the bad condition of the streets and houses or groups of houses within such areas or the want of light air ventilation or proper conveniences or any other sanitary defects or one or more of such causes are dangerous or injurious to the health of the inhabitants either of the buildings in the said areas or of the neighbouring buildings and that the most satisfactory method of dealing with the evils connected with such houses courts or alleys and the sanitary defects in such areas is an improvement scheme for the re-arrangement and re-construction of the streets and houses within such areas or of some of such streets or houses.

I am, Sir,

Your obedient servant,

G. CLARK TROTTER,

*Medical Officer of Health,*

Metropolitan Borough of Islington.

Sir James Bird,

Clerk to the London County Council,

The County Hall, S.E. 1.

A special table will be found on page 58. See also the statement of Sanitary Inspectors' work, page 39.

Special House to House Inspections... .. 2,535

Insanitary Houses—

No. of premises cleansed (Sect. 20, L.C.C. (General Powers)

Act, 1904.) ... .. 122

No. of orders issued for repairs under Section 28 by Housing Committee ... .. Nil.

No. of closing orders ... .. Nil.





HOUSING, INSPECTIONS, ETC.—*contd.*

## Housing of Working Classes—

## Houses—

(a)	Inspected (under £40 per annum rental) ...	...	3,952
(b)	Erected during year (flats) ...	...	Nil.
(c)	In course of erection (flat tenements) ...	...	Nil.

## Revenue Acts—

Certificates granted (sanitary requirements) ...	...	8
--	-----	---

## Water Supply to Tenement Houses—

Premises supplied ...	...	58
Water certificates to new premises ...	...	10†

(† Relating to 61 dwellings.)

## STATE OF PAUPERISM IN THE BOROUGH.

During the year there was a slight decrease in Pauperism, the number of paupers relieved weekly averaged 13,914, as contrasted with 14,447 in 1922, whilst in 1921 the number was 11,108.

Appended is a statement furnished by the Clerk to the Islington Guardians :

*Showing the State of Pauperism in the Borough during the year 1923.*

Quarters.	Average number Relieved during each week.						Borough Death rates, 1923.
	Indoor Paupers, Adults and Children.	Outdoor Paupers.		Totals.	Totals correspond- ing periods 1922.	Children Boarded out.	
		Adults.	Children under 16.				
1	2	3	4	5	6	7	8
1st Quarter ..	2,874	6,697	6,098	15,669	14,514	67	13·2
2nd „ ...	2,836	6,035	5,249	14,150	15,113	66	10·9
3rd „ ...	2,811	5,446	4,580	12,837	13,567	60	9·8
4th „ ...	2,881	5,512	4,610	13,003	14,595	58	12·4
The Year ...	2,850	5,930	5,134	13,914	14,447	63	11·6

**Food—Inspection of.**—Inspector Wilkinson reports that during the year he has paid 907 visits to the 17 SLAUGHTER HOUSES now on the register, including one Horse Slaughter House, and that he has ascertained that 12,200 animals were killed therein, namely, 1,005 oxen and cows, 64 calves, 7,110 sheep and lambs, and 4,021 horses for human consumption, the whole of which were exported. These were mostly of good quality and free from disease, but in 26 cases meat and organs found to be diseased were destroyed (*vide* table on page 44).

The food destroyed or otherwise disposed of (chiefly for pigs' food) so as to prevent its use for human food was as follows :

	Tons	cwts.	qrs.	lbs.
Diseased meat and organs from slaughter-houses ..	—	11	1	5*
Diseased or unsound meat, etc., from other sources ...	—	6	0	8
Fish ...	—	14	0	24
Fruit, Vegetables, etc. ...	4	11	1	27
Tomatoes ...	3	10	0	2
23 Turkeys and 1 Goose ...	—	1	0	1
Unsound Condensed Milk ...	—	2	0	12
Total ...	9	16	0	23

\* Of this quantity 9 cwt. 2 qr. 26 lbs. was Tuberculous.





The total amount of unsound or diseased meat, fish, fruit, and other food destroyed was 9 tons 16 cwts. 0 qrs. 23 lbs. The diseases which affected animal food are set out in detail on page 44.

**Shops, etc., Inspection of.**—The total 632 shops and places where foodstuffs are sold may be approximated for the year as follows :

Butchers', provision dealers', etc., shops, 215 ; meat, provisions, rabbits, tinned foods, etc., stalls, 25 ; food preparation establishments, 18 ; fish shops, 103 ; fish stalls, 11 ; fruit shops, 200 ; and about 60 fruit, etc., stalls and barrows. To these 17,655 visits were paid, apportioned as follows :

Butchers, Provision Dealers, etc., Shops ...	...	...	7,363 visits.
Food Preparation Establishments...	...	...	162 „
Butchers', Provision, etc., Stalls ...	...	...	1,502 „
Fish Shops ...	...	...	1,276 „
Fish Stalls ...	...	...	656 „
Fruit Shops ...	...	...	2,559 „
Fruit Stalls ...	...	...	4,137 „
Total ...			<u>17,655</u>

**Contamination by Dust.**—There has been an increasing practice of recent years of exposing meat without adequate protection from dust and flies. Not only has this been the custom of the street trader, but the shopkeeper, where the street line permits of it and he has a right to the space in front of his shop, has very frequently by the erection of a stall in front, exposed the cuts of meat he has for sale.

A striking ocular demonstration of how such exposed meat is contaminated was provided by a tradesman who called upon the Medical Officer of Health with some pork chops which showed curious spotting. There was a centre black speck surrounded by a ring of dark brown. On going into the matter the cause was traced. The road had been recently tarred and, as a result of weather conditions and the constant traffic, a certain amount of tar dust was formed. Each spot on the fat of the pork represented a small, invisible speck of tar which had been deposited on the pork and dissolved by the fat. The moral was pointed out to the tradesman, who seemed to realise if this could happen with tar it was also happening, although not seen, with other matter with which the street is polluted.

The keen competition where one trader exposes the food to the gaze and handling of those marketing, was said to make it impossible for the other trader, who would willingly have his food adequately protected, not to imitate his energetic and thoughtless neighbour.

The extent to which this food exposure is carried on makes it absolutely necessary that legislation should be promoted, for until it is compulsory on all to protect the class of food liable to contamination, it seems practically impossible for the majority of the traders to comply with what should be a public demand, namely, the adequate protection of the food from dust and flies. There should be an education of the public conscience to buy from the careful trader.





**Restaurant Kitchens.**—The work of inspecting restaurant kitchens is tabulated under Workshops. This work is done by two Lady Inspectors. The following is a tabulated statement of the premises examined, and the results. In each case the unsatisfactory conditions were remedied without having to resort to prosecution :

	Number Inspected.	Number found Unsatisfactory.
Hotel and Restaurant Kitchens ... ..	66	16
Coffee and Dining Rooms ... ..	204	70
Refreshment Rooms ... ..	69	19
Provisions (Cooked Meats, cooked but not consumed on premises) ... ..	106	40
	<u>445</u>	<u>145</u>

**Prosecutions.**—Summonses were taken out against a costermonger for exposing for sale unsound black currants, and he together with the owners of the fruit were fined £2 and £5 respectively.

Twenty-nine summonses were taken under the Sale of Food Order, 1921, for exposing for sale imported meat and eggs without the necessary labels. Of this number, eight referred to imported meat, one summons, however, being withdrawn owing to death of defendant. The total fines in the remaining seven cases amounted to £14 15s. with £3 5s. costs.

The other 21 summonses were for exposing for sale imported eggs, two of these cases were taken upon information received from the Metropolitan Police, but one of the summonses was not served owing to defendant absconding.

The fines and costs in these cases were £17 4s. and £13 17s. 6d. respectively.

**Cowsheds.**—The 4 cowsheds within the Borough received 35 visits, and were found generally satisfactory.

**Offensive Trades** include 4 tripe dressers, 3 gut scrapers, and the knackers' yard which received a total of 52 visits. The Inspector reports that he found the conduct of the business carried on in them satisfactory.

Tabulation of meat and organs diseased as found in slaughter-houses during the year 1923 :

No. of Cases.	Description of Animal Affected.	Nature of Disease.	Extent of Disease.	How disposed of.
1	Ox ... ..	Tuberculosis ... ..	Lungs and Costal Pleura...	Council's Destructor
1	Ox ... ..	Tuberculosis ... ..	Carcass and all Organs ...	" "
1	Cow ... ..	Tuberculosis ... ..	Head, Tongue, Lungs, Tripe and Spleen	" "
1	Ox ... ..	Tuberculosis ... ..	Lungs, Liver, Tripe and Spleen	" "
1	Ox ... ..	Pseudo-Tuberculosis...	Lungs ... ..	" "
11	Oxen ... ..	Abscess ... ..	Liver (whole or part) ...	Council's Destructor or on the premises
8	Oxen ... ..	Parasitic (Dis. Hep.)...	Liver (whole or part) ...	" "
2	Sheep ... ..	Parasitic (Ech. Vet.)...	Liver ... ..	Destroyed on premises





**Milkshops and Dairies.**—At the close of the year there were 630 milkshops and dairies on the register, 25 having been added to it, while 18 were removed.

They received 823 visits from the District Sanitary Inspectors, who served 42 notices for the execution of various sanitary improvements and the cleansing of dirty utensils.

# REPORT OF THE MEDICAL OFFICER OF HEALTH TO THE MINISTRY OF HEALTH UNDER THE PUBLIC HEALTH (MILK AND CREAM) REGULATIONS, 1912 AND 1917.

During the past year (1923), samples of Milk, Cream and Preserved Cream have been obtained to ascertain the extent to which the provisions of the Regulations are being carried out by the vendors.

## (1) MILK AND CREAM NOT SOLD AS PRESERVED CREAM :

### MILK.

Milk	...	...	...	...	...	...	...	...	...	673
Separated Milk	...	...	...	...	...	...	...	...	...	3
Total number of samples of milk examined for the presence of pre-										
servatives	...	...	...	...	...	...	...	...	...	676
Number in which preservative was found to be present										1

### CREAM.

## (2) CREAM NOT SOLD AS PRESERVED CREAM :

Number of which preservative was found to be present ... .. Nil

## CREAM SOLD AS PRESERVED CREAM :

(a) Instances in which samples have been submitted for analysis to ascertain if the statement on the label as to preservative were correct—

Correct statements made	...	...	...	...	...	...	2
Statements incorrect .	...	...	...	...	...	...	Nil

(b) Determination of Milk Fat in cream sold as preserved cream—

Above 35 per cent.	...	...	...	...	...	...	2
--------------------	-----	-----	-----	-----	-----	-----	---

(c) Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream have not been observed. ... Nil

(d) Particulars of each case in which the regulations have not been complied with, and action taken .. ... Nil

NOTE.—A further 10 informal samples were purchased of cream of which 2 were analysed. They had the orthodox preservatives label.

Taking account of these 10 informal samples, and referring to the official samples, it will be seen that 12 creams were taken. Of these 12 creams, 4 were submitted for analysis; two of those analysed appear in the above summary as these were official samples,





## COLOURING MATTER.

## 1ST QUARTER.

Mustard coloured with Turmeric (43% Wheat Flour).	...	...	...	£1 1s. costs.
Mustard coloured with Turmeric (25% Wheat Flour).	...	...	...	Summons withdrawn.
Mustard coloured with Turmeric (7% Wheat Flour)	...	...	...	No prosecution.

## 2ND QUARTER.

Nil.

## 3RD QUARTER.

Milk (5% added water) 3·3 grains per pint Boric Acid ... Fined 10s. and 5s. costs.

## 4TH QUARTER.

Nil.

## ADULTERATION OF FOOD AND DRUGS.

During the first two quarters of the year the analysis of samples of food and drugs was performed by our Analyst, Dr. F. L. Teed, in conjunction with Mr. E. A. Pinchin, B.Sc., the additional analyst. Dr. Teed resigned his appointment at the end of this period, after 35 years' service.

Mr. Ernest A. Pinchin, B.Sc., was subsequently appointed to fill the post of Public Analyst.

Of a total of 1,223 samples submitted during the year, 1,147 were reported genuine, and 76 adulterated, or 6·2 per cent.

The percentage of adulteration in the four quarters of the year was as follows :

	Examined.	Genuine.	Adulterated.	Per Cent.
1st Quarter ... ..	322	297	25	7·7
2nd „ ... ..	279	263	16	5·7
3rd „ ... ..	301	284	17	5·6
4th „ ... ..	321	303	18	5·6
The Year ... ..	1,223	1,147	76	6·2

**Prosecutions**—Fifty-seven summonses were issued under the “Sale of Food and Drugs Acts,” and 47 of these were successfully prosecuted. The total amount of penalties and costs received was £156 12s. 6d. Two other cases were heard under the Public Health (Milk and Cream) Regulations, resulting in the defendants being fined 10s. with £1 6s. costs.

**Inexperience of Small Shopkeepers—Warnings.**—A large proportion of people warned are small shopkeepers who have started business without sufficient experience, while a proportion are also prosecuted. This proportion who are prosecuted





have either been previously warned or the offence is considered to have been deliberate or of too serious a character to enable the Public Health Committee to refrain from bringing action.

There is an unceasing change in the proprietorship of small businesses. The taking on of the sale of milk—very frequently only a few pints are sold daily—is with the idea that a customer may buy something else. It has frequently been pointed out to these people the risk they run in taking on a business they do not understand, and they are told that their milk may be sampled at any time. The small shopkeepers in the majority of cases have not familiarised themselves with their duty under the Butter and Margarine Acts.

Very numerous first warnings were given to this class of trader during the year.

### DISPENSING OF PRESCRIPTIONS.

A commencement had been made with the sampling of prescriptions towards the close of the previous year (1922) and the results were such that it was found necessary to continue the sampling. Four prescriptions had been sampled, as stated, towards the end of the year, two of these being found inaccurate, one being deficient 11·2 per cent. in bromide of potash and 5·2 per cent. in spirit of sal volatile, and the other, a simple solution of sodium salicylate, was 10·8 per cent. deficient. The same prescriptions were utilised again at the beginning of the year, the object being to gain some general idea as to the relative care taken in dispensing an ordinary prescription. The reason of the results obtained, whether due to striking a series of shops where dispensing was generally done indifferently, or to the particular prescription being entrusted by the proprietor to apparently careless assistants, cannot of course be definitely ascertained. The relatively large number of cases in which the prescription was inaccurately dispensed was certainly no mere accident.

The Medical Officer of Health drew attention to the matter in "The Lancet" at the point when 17 prescriptions, including those of the previous year, had been taken, a large number of these having fallen short of accuracy. This letter in "The Lancet" was quoted by a Sunday newspaper, and resulted in the matter receiving very considerable attention from the public press.

Attention had previously been drawn to inaccurate dispensing through the analyses carried out by the Corporation of the City of London and the Metropolitan Borough of Stepney. The Public Analyst of Stepney had stated to the press that from January to September, 1922, he analysed 35 prescriptions, and certified 15 as "adulterated."

The Public Health Committee authorised the Medical Officer of Health to offer the Pharmaceutical Society facilities for investigating the cases decided by the Courts. The attitude taken by the press was unfortunate, as the public might have applied the strictures therein to all chemists, and although the proportion of inaccuracies was a large one, it was not quite fair that every chemist should be "pilloried."

The press propaganda brought out an expression of opinion from one Analyst that the deficiency was usually in the more expensive drugs, but this has not been our experience in Islington, where the errors seem to be more of the nature of carelessness in dispensing. Viewed from the requirements of the Food and Drugs Acts, it was rather disconcerting to





find that the excuse was so often laid on the variation in size of medicine bottles. If a prescription is dispensed properly, in such a manner as is consistent with the training for the examinations of the Pharmaceutical Society, the strength of the solution should not vary, whatever the capacity of the bottle. One of the newspapers, the "Evening Standard," Wednesday, 20th February, 1923, certainly summed up public opinion very well in a leader headed "The Human Chemist," which I take the liberty of quoting *in extenso*, because personally I believe it possible that much of the inaccuracy is due to the carelessness of assistants.

"The public is apt to forget that there is a great deal of human nature in man, and that solemn men, like the average chemist, are not immune from ordinary weaknesses. Hence the shock caused by the assertions of a very wide 'limit of error' in prescriptions, and the suggestion that one prescription out of every three made up in this country is incorrect.

"The suggestion is hotly repudiated, as might be expected, by the Pharmaceutical Society, which represents the interests of chemists. Errors, it is admitted, do occur, but they are hardly avoidable. The chemists are not to blame. It is the medicine bottles, which are not uniform in size. To the layman this seems a singular explanation, since it might be imagined that a mixture remains the same mixture, in its ingredients and its proportions, whether it is put in an eight-ounce bottle or a soup tureen. Indeed, this defence is really an admission. It confesses that in making up a doctor's prescription the chemist aims only at approximate correctness. It is 'not easy to go about things in the leisurely way of a laboratory,' and therefore 'not practicable always to secure strict accuracy in making up the mixture in a measure and then transferring it to a bottle.'

"In other words, the chemist wants to make his living as easily as possible. There are, no doubt, excuses for him. The public treats the dispensing chemist rather badly. It will not pay the price of professional service, and, on the other hand, it gives as little patronage as possible to the chemist as a tradesman.

"But when all allowances are made, it must be said that it is disquieting to read of a prescription made up by one chemist showing a deficiency of 8 per cent. in a single ingredient, while the same prescription made up by another chemist showed an excess of 9 per cent. in the same ingredient. It is still more disturbing to learn that errors of deficiency generally relate to the more expensive drugs.

" 'I am afraid,' says one expert critic, 'that most of these errors result from deliberate profiteering.' The charge is so serious that it behoves the Pharmaceutical Society to offer something more than a denial in general terms. We hesitate to believe that in a matter so vitally affecting health, and perhaps even life itself, members of a highly responsible craft can admit such considerations. If there is such a form of profiteering, it is surely the most immoral kind of profiteering conceivable. Not only is it a fraud on the public, the worse because the average member of the public cannot possibly check it. It may be easily a serious crime.

"Yet the words of an expert on the staff of the Public Analyst for the County of London cannot be dismissed too lightly. 'When there is anything wrong,' he says, 'it is usually intentional.' The average dispenser is well trained, or he would not have been able to satisfy the tests of the Pharmaceutical Society.

"There is, therefore, a case to be met, and we cannot see that it is met by the statement that 'a chemist, like other employers, is dependent on his employees' and that 'it





is impossible for him personally to supervise every operation in his shop.' He should certainly be in a position to depend both on the knowledge and the conscientiousness of his assistants, and his shop should not be too big or too inefficiently organised for him to be assured of the greatest possible care in a matter so vitally important to the public."

The press propaganda, although unfortunate for the faultless chemists, certainly by the attention drawn to the matter, caused more care to be taken in dispensing in Islington, for the time being at any rate, and it is to be hoped the improvement will be permanent.

With a view to bringing out the question of the unqualified assistant, a prescription was sent round for dispensing containing a poison. There was a marked difference in the results. Apparently it would seem as if this prescription was not entrusted to assistants, as in only two cases out of 20 was there inaccuracy, but not to such an extent as to warrant prosecution. The chemists concerned were warned. In none of the cases which have been taken has there ever been an opportunity in the witness box of cross-examining the responsible assistant. It has been noted that this possibility is apparently always very carefully avoided by the defence.

The fifteen prescriptions, without the poisonous ingredient, which were taken in the earlier part of the year resulted in a startling proportion of inaccuracies. When the totals altogether are taken for the year, adding on the others tested, of course the relative proportion is markedly diminished, but as stated, there were two different methods adopted for testing the accuracy of dispensing. In the first method (the simple prescription) 15 chemists were tested; seven were inaccurate. Four prosecutions were instituted, and three of these were successful, while one summons was dismissed upon the merits of the case; it had been taken under Section 6 (Food and Drugs Act, 1875), which requires proof of prejudice. In addition to these four prosecutions that were taken, three chemists were warned. On the second method (i.e., the prescription containing the poison) twenty were tested, and the dispensing was good on the whole; two chemists were warned. The fines and costs awarded the Council amounted to £27 8s.

**Milk.**—The qualitative results of the Analyses of the Milk samples, which have now been published for many years, are as follows:

	No. of Samples.		Solids not Fat.		Fat.	Total Solids.	
Milk purchased on Sundays .	120	...	8·82	...	3·55	...	12·37
Milk purchased on week-days	388	...	9·08	...	3·63	...	12·71
Milk procured in transit at							
Finsbury Park Station ...	168	...	8·90	...	3·63	...	12·53
<b>Official Standard</b> ...	—	...	8·50	...	3·00	...	11·50

The particulars as to the genuineness or otherwise of the samples procured or purchased on Sundays, Week-days, and at Finsbury Park Railway Station are as follows:

								Percentage	
Number taken. Genuine. Adulterated.								Adulterated.	
On Sundays ...	...	...	120	...	116	...	4	...	3·3
On Week-days ...	...	...	388	...	371	...	17	...	4·4
At Railway Stations .		...	168	...	157	...	11	...	6·5
(Farmers' Milks)									
			676	...	644	...	32	...	4·7





Giving the particulars of the **Milks** taken during each quarter of **1923** on **Sundays**, **Week-days**, and at the **Railway Stations**.

1923	No. of Samples Taken.				Genuine.				Adulterated.				Per cent. Adulterated.			
	Sundays.	Week-days.	Railway Stations.	All Milks.	Sundays.	Week-days.	Railway Stations.	All Milks.	Sundays.	Week-days.	Railway Stations.	All Milks.	Sundays.	Week-days.	Railway Stations.	All Milks.
1st Quarter ...	30	88	31	149	30	84	31	145	—	4	—	4	—	4.5	—	2.7
2nd " ...	30	97	45	172	27	93	41	161	3	4	4	11	10.0	4.1	8.9	6.4
3rd " ...	30	113	46	189	29	107	39	175	1	6	7	14	3.0	5.3	15.2	7.4
4th " ...	30	90	46	166	30	87	46	163	—	3	—	3	—	3.3	—	1.8
The Year ...	120	388	168	676	116	371	157	644	4	17	11	32	3.3	4.4	6.5	4.7

The number of samples of milk purchased was 676, of which 644 were genuine and 32, or 4.7 per cent. were adulterated.

Showing the samples of milk reported as genuine or adulterated during the past 10 years and in 1923.

#### MILK ADULTERATION.

	Samples Analysed.	Genuine.	Adulterated.	Per cent. Adulterated.
1913	600	555	45	7.5
1914	595	539	56	9.4
1915	605	531	74	12.2
1916	599	506	93	15.5
1917	592	526	66	11.1
1918	634	537	97	15.3
1919	638	579	59	9.2
1920	642	605	37	5.7
1921	644	605	39	6.0
1922	638	576	62	9.7
Totals 10 yrs.)	6,187	5,559	628	10.1
<b>1923</b>	<b>676</b>	<b>644</b>	<b>32</b>	<b>4.7</b>

Showing the analyses of 6,187 milks examined in Islington during the 10 years 1913-1922 and 1923 and distinguishing those purchased on Sundays, on Week-days, and procured at the Railway Stations whilst in transit from the Farmer to the London Milk Purveyor.

Years.	Sunday Milks.			Week-day Milks.			Railway Milks (Farmers).		
	No. of Samples	Per cent. of non-fatty solids.	Per cent. of fat.	No. of Samples	Per cent. of non-fatty solids.	Per cent. of fat.	No. of Samples	Per cent. of non-fatty solids.	Per cent. of fat.
1913 ...	162	8.74	3.56	318	8.72	3.52	120	8.92	3.80
1914 ...	155	8.60	3.42	320	8.71	3.52	120	8.88	3.78
1915 ...	165	8.64	3.43	320	8.76	3.49	120	8.86	3.67
1916 ...	160	8.60	3.53	319	8.53	3.43	120	8.83	3.63
1917 ...	150	8.63	3.45	322	8.60	3.41	120	8.84	3.59
1918 ...	136	8.39	3.60	377	8.44	3.53	121	8.61	3.65
1919 ...	166	8.56	3.56	331	8.56	3.61	141	8.67	3.68
1920 ...	162	8.71	3.42	338	8.76	3.52	142	8.86	3.66
1921 ...	151	8.83	3.34	371	8.79	3.37	122	8.91	3.73
1922 ...	120	8.78	3.39	356	8.76	3.34	162	8.75	3.60
Total samples and average constituents (10 years).	1,527	8.65	3.47	3,372	8.67	3.47	1,288	8.81	3.68
1923 ...	120	8.82	3.55	388	9.08	3.63	168	8.90	3.63





The Public Analysts, in the quarterly reports during the year, reported on the genuineness of the articles examined as follows:—

*Showing the Samples of Foods and Drugs submitted to the Public Analysts during the year 1923.*

Description.	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Totals.	Genuine.					Adulterated.				
						1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Totals.	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Totals.
Milk ... ..	148	172	188	165	673	144 <sup>a</sup>	161 <sup>a</sup>	174 <sup>a</sup>	163 <sup>a</sup>	642 <sup>a</sup>	4 <sup>a</sup>	11	14 <sup>ac</sup>	2	31
Milk (separated) ... ..	1	—	1	1	3	1 <sup>a</sup>	—	1 <sup>a</sup>	—	2 <sup>a</sup>	—	—	—	1 <sup>a</sup>	1 <sup>a</sup>
Butter ... ..	59	64	53	39	215	59	64	53	39	215	—	—	—	—	—
Lard ... ..	6	3	5	11	25	6	3	5	11	25	—	—	—	—	—
Dripping ... ..	5	3	—	2	10	5	3	—	2	10	—	—	—	—	—
Coffee ... ..	5	2	3	5	15	5	2	3	5	15	—	—	—	—	—
Cocoa ... ..	7	7	8	15	37	7	7	8	15	37	—	—	—	—	—
Pepper ... ..	8	5	7	6	26	8	5	7	6	26	—	—	—	—	—
Mustard ... ..	18	—	1	—	19	15	—	1	—	16	3	—	—	—	3
Malt Vinegar ... ..	11	—	—	1	12	8	—	—	1	9	3	—	—	—	3
Rice ... ..	6	—	4	2	12	6	—	4 <sup>c</sup>	2 <sup>c</sup>	12 <sup>c</sup>	—	—	—	—	—
Cheese ... ..	5	7	6	18	36	5	7	6	18	36	—	—	—	—	—
Vinegar ... ..	4	—	—	1	5	4	—	—	1	5	—	—	—	—	—
Arrowroot ... ..	4	5	2	7	18	4	5	2	4	15	—	—	—	3	3
Self-Raising Flour ... ..	3	3	2	6	14	3 <sup>b</sup>	3 <sup>b</sup>	2 <sup>b</sup>	6 <sup>b</sup>	14 <sup>b</sup>	—	—	—	—	—
Ground Ginger ... ..	4	—	4	1	9	4	—	4	1	9	—	—	—	—	—
Baking Powder ... ..	2	—	3	—	5	2 <sup>b</sup>	—	3 <sup>b</sup>	—	5 <sup>b</sup>	—	—	—	—	—
Tapioca ... ..	1	1	2	—	4	1	1	2	—	4	—	—	—	—	—
Ground Cinnamon ... ..	2	—	—	—	2	2	—	—	—	2	—	—	—	—	—
Custard Powder... ..	—	2	3	3	8	—	2 <sup>b</sup>	3 <sup>b</sup>	3 <sup>b</sup>	8 <sup>b</sup>	—	—	—	—	—
Lemonade Powd r ... ..	—	—	3	—	3	—	—	3 <sup>a</sup>	—	3 <sup>a</sup>	—	—	—	—	—
Egg Powder Substitute... ..	—	—	1	—	1	—	—	1 <sup>b</sup>	—	1 <sup>b</sup>	—	—	—	—	—
Sherbert ... ..	—	—	1	—	1	—	—	1 <sup>d</sup>	—	1 <sup>d</sup>	—	—	—	—	—
Honey ... ..	—	—	—	3	3	—	—	—	3 <sup>f</sup>	3 <sup>f</sup>	—	—	—	—	—
Bitter Ale ... ..	—	—	—	1	1	—	—	—	1	1	—	—	—	—	—
Brandy ... ..	—	—	—	1	1	—	—	—	1	1	—	—	—	—	—
Greengage Jam ... ..	—	—	—	1	1	—	—	—	1 <sup>f</sup>	1 <sup>f</sup>	—	—	—	—	—
Raspberry Jam ... ..	—	—	—	1	1	—	—	—	1 <sup>f</sup>	1 <sup>f</sup>	—	—	—	—	—
Plum Jam ... ..	—	—	—	1	1	—	—	—	1 <sup>f</sup>	1 <sup>f</sup>	—	—	—	—	—
Prescription ... ..	15	—	—	20	35	8	—	—	18	26	7	—	—	2	9
Citrate of Magnesia ... ..	—	—	1	—	1	—	—	1 <sup>d</sup>	—	1 <sup>d</sup>	—	—	—	—	—
Margarine ... ..	314	274	298	311	1,197	297	263	284	303	1,147	17	11	14	8	50
	8	5	3	10	26	—	—	—	—	—	8	5	3	10	26
<b>TOTALS</b> ... ..	<b>322</b>	<b>279</b>	<b>301</b>	<b>321</b>	<b>1,223</b>	<b>297</b>	<b>263</b>	<b>284</b>	<b>303</b>	<b>1,147</b>	<b>25</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>76</b>

<sup>a</sup> All samples free from Boric Acid and Formalin.

<sup>b</sup> Conformed with the Local Government Board's recommendations as to Arsenic and Calcium Sulphate.

<sup>c</sup> All samples conformed to the Local Government Board's requirements for extraneous mineral matters.

<sup>d</sup> Free from Lead and Arsenic.

<sup>e</sup> Free from Formalin (1).

<sup>f</sup> Free from Arsenic and Preservative.

#### MILK PROSECUTIONS.

The summary of prosecutions showed that during the year 130 prosecutions were taken, of which number 117 were successful, and 7 were dismissed, while 6 were withdrawn.

#### Summary of Prosecutions during year 1923.

	Total Prosecutions.	Successful.	Dismissed.	Withdrawn.	Amount of Penalties Received.
" Public Health (London) Act, 1891 "	42	40	—	2	£ s. d. 75 18 3
" Sale of Food and Drugs Acts, 1875-99 " ... ..	42	32	7	3	130 13 6
" Margarine Act, 1887 " ... ..	15	15	—	—	25 19 0
" Public Health Milk and Cream Regulations, 1912-1917 " ... ..	2	2	—	—	1 16 0
" Sale of Food Order, 1921 " ... ..	29	28	—	1	49 1 6
<b>TOTALS...</b> ... ..	<b>130</b>	<b>117</b>	<b>7</b>	<b>6</b>	<b>283 8 3</b>





## PUBLIC HEALTH STAFF.

The staff of the Medical Officer of Health is constituted as follows :

\**Sanitary Inspectors*.—T. W. Agar, H. J. Bicknell, A. Bagshaw, G. J. Bridel, S. P. Marks, E. I. Fortune, J. Metcalf, T. H. Hancock, C. E. Horsman, A. E. Wood, E. G. Holmes, E. J. Nether, F. H. Chuter, H. H. Uren (Houses let in Lodgings), C. W. Lewis.

\**Senior Sanitary Inspector. Inspector of Workshops and Bakehouses*.—H. J. J. Watson.

\**Inspectors of Workshops, etc., in which Females are Employed*.—Eleanor H. Daniell, Mrs. S. Undery.

\**Inspector of Meat, etc.*—H. Wilkinson.

\**Inspector of Food and Drugs, etc.*—G. S. Green.

*Rat Officer (Temporary)*—A. Butlin. (Appointment terminated June 30th, 1923).

*Disinfecting Station*.—A. Lewis (Engineer), C. Sadgrove (Stoker), Mrs. Horne (Cleansing Station Attendant), Mrs. Lewis (Caretaker, Shelter House).

*Disinfectors*.—F. Webb, J. Brown, W. Hardwick, W. Woodley, A. Taylor.

*Motor Van Driver*—G. Cooper.

*Mortuary Keeper*.—S. Maxwell.

*Clerical Staff*.—G. H. King (First Clerk), H. Angel, A. E. Abbott, W. J. Wolfe, W. G. Bunch, A. R. Wittrick, \*C. M. Wheble, A. E. Booker, W. R. Causton, \*C. J. Cridland, L. W. Edis. *Milk Grants*.—\*F. C. Green, \*A. E. Vanstone, \*Daisy Francis.

\**Health Visitors*.—Mrs. F. Looker, Miss V. A. Lainton, R. Palmer, L. Flower, E. Foot, A. Taylor, E. Neale.

\**Assistant to Medical Officer of Health*.—Beatrice Garvie, L.R.C.P. & S. (Edin.), D.P.H.

Those marked with an asterisk indicates contribution was expected either under the Public Health Acts or by Exchequer Grants.

The following Tables appeared in the Annual Report for 1921. Reference is made here to them as they have not been reprinted to save space this year for other matter :

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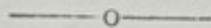
The Medical Officer of Health expresses his thanks to the Town Clerk, C. G. E. Fletcher, Esq., C.B.E.; the Solicitor, Arthur M. Bramall, Esq.; the Borough Engineer, J. P. Barber, Esq.; the Public Analysts, Dr. F. L. Teed† and A. E. Pinchin, Esq., B.Sc., and to the Heads of other Departments, for their courtesy and assistance in various matters. He takes this opportunity of expressing his indebtedness to the staff for the efficient work and thorough co-operation which has meant so much in attaining the results reported on.

† Resigned June 30th, 1923.



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APPENDIX.



VITAL AND SANITARY STATISTICS,

1923.

TOGETHER WITH THE

PRESCRIBED RETURNS OF THE MINISTRY OF HEALTH.

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## STATISTICAL APPENDIX.

Showing the Deaths from all Causes in Islington during the Year 1923.

Deaths of Non-Residents in Hospitals are excluded. Deaths of Residents in Public Institutions are distributed.

Deaths in Institutions within Borough.	DISEASES.	AGES														Under 5	Over 5	DISTRICTS.							Males.	Females.	Totals.			
		0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85-	Tot.			U.H.	Tot.	L.H.	H.	B.	S.E.							
	Small Pox																													
	(a) Vaccinated																													
	(b) Unvaccinated																													
	(c) No Statement																													
	Measles	2	13	1											15	1			4	2		2	8	5	11	16				
	Scarlet Fever		8	3	1					1					8	5	1	3	1	2	1	3	2	8	5	13				
7	Typhus Fever																													
7	Epidemic Influenza	2	3		2			6	4	12	5	16	7	1	5	53	6	6	7	10	8	5	16	33	25	58				
1	Whooping Cough	22	16												38		1	6	12	5	2	7	5	15	23	38				
	Diphtheria	2	12	5	2										14	7	2	2	3	1	3	6	4	12	9	21				
	Enteric Fever																													
	Asiatic Cholera																													
5	Diarrhoea, Dysentery	13	2												15		1	2	2	3			7	6	9	15				
13	Epidemic Enteritis	22	2					1							24	1	1	1		6	3	7	7	16	9	25				
2	Other Allied Diseases	*†5	*1	*1		*1				‡1					6	3	1	1	1	1	3	1	1	3	6	9				
	Hydrophobia																													
	Glanders																													
	Tetanus																													
	Anthrax																													
	Cow Pox																													
6	Syphilis	8	1												9	2		1	1	4	2		3	5	6	11				
5	Gonorrhoea										1	1	5	1		9	2		2	1	1		2	1	9		9			
	Phagedaena																													
1	Erysipelas	2	2												4	1			2	1		1	1	3	2	5				
5	Puerperal Fever							3	4	2																				
7	Pyæmia	1		1	1	1	1	2	2	1	4		1		1	14	1	2	2	1	1	5	3	9	6	15				
8	Infective Endocarditis	1			2	4		4	7	2					1	20	4	2	2	4	2	3	4	11	10	21				
1	Other Allied Diseases	1						1							1	7	1			1	1	2	3	2	6	8				
	Malarial Fever																													
	Rheumatic Fever			2	1	1				1																				
	Rheumatism of Heart		1	3	3	1	1				1									2	1	2		1	4	5				
3	Tuberculosis of Brain	6	11	4	3	3					1				1	9	1		1	2	2	2	2	4	6	10				
	Tuberculosis of Larynx																													
105	Phthisis	3	9	2	7	28	37	70	68	69	30	12	1		12	324	23	36	26	44	57	58	92	202	134	336				
5	Abdominal Tuberculosis	1	5					2	1	1	3	1			6	8	1		1	1	4	3	4	8	6	14				
2	General Tuberculosis			1				1							3		2					1		2	1	3				
	Other forms Tuberculosis				1		1				2	1	1	1		7			1	1	2	1	2	6	1	7				
	Other Infective Diseases																													
	Thrush																													
	Actinomycosis										1																			
	Hydatid Diseases																						1	1		1				
	Scurvy																													
	Other Diseases due to Altered Food																													
	Acute Alcoholism										1																			
	Chronic Alcoholism																							1	1		1			
	Chronic Industrial Poisonings																													
	Other Chronic Poisonings																													
	Osteo-arthritis																													
	Gout				1				1	3	1	5	5			16	2	2		2	5	2	3	7	9	16				
	Cancer										2	1				3				1	1	1		3		3				
	Diabetes Mellitus		1			2	4	10	27	88	138	125	68	9	1	471	49	42	45	55	94	68	119	204	268	472				
	Purpura Haemorrhagica							2	2	5	11	9	3			32	8	2	5	3	4	3	7	18	14	32				
	Hæmophilia	1													1						1			1		1				
	Anæmia			2																										
	Lymphadenoma							1	2			2	3	2		12	2		3		2	4	1	6	6	12				
	Premature Birth	84													84		6	6	12	10	13	15	22	43	41	84				
	Injury at Birth	4																												
	Debility at Birth	10													4					2		1	2	2	2	4				
	Atelectasis	5													10			1	1	2	1	1	4	7	3	10				
	Congenital Defects	50	2												5			2			1	1	1	3	2	5				
	Want of Breast Milk														52			6	4	7	8	5	19	26	26	52				
	Atrophy, Debility, Marasmus	36													36		3	4	3	2	5	6	13	19	17	36				

\* Cerebro-Spinal Fever (7).

† Ophthalmia Neonatorum (1)

‡ Leprosy (1).





Continued.

Deaths in Institutions within Borough.	DISEASES.	AGES.														Under 5	Over 5	DISTRICTS.										Males.	Females.	Totals.
		0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85-	Tot.			U.H.	Tot.	L.H.	H.	B.	S.E.							
	Dentition ...	2	1	—	—	—	—	—	—	—	—	—	—	3	—	—	—	1	—	—	2	1	2	3						
	Rickets ...	1	3	—	—	—	—	—	—	—	—	—	—	4	—	—	1	1	—	1	3	1	4							
	Old Age, Senile Decay ...	—	—	—	—	—	—	—	—	1	31	140	560	—	232	14	34	21	23	51	39	50	91							
	Convulsions ...	10	1	—	—	—	—	—	—	—	—	—	—	11	—	3	—	2	1	1	4	7	4							
	Meningitis ...	3	8	—	2	—	1	4	1	1	—	—	—	11	9	2	3	2	1	7	3	9	11							
	Encephalitis ...	1	1	—	—	2	—	1	1	—	—	2	—	2	6	1	1	2	1	—	3	2	6							
	Apoplexy ...	1	—	—	1	—	2	—	—	17	28	39	39	1	141	11	22	13	21	15	40	60								
	Softening of Brain ...	—	—	1	—	—	—	—	—	—	—	1	—	—	2	—	—	—	1	—	1	1	1							
	Hemiplegia ...	—	—	—	—	1	—	—	—	—	3	1	4	—	—	9	2	1	—	2	—	2	1							
	General Paralysis of the Insane ...	—	—	—	—	—	—	1	6	7	4	4	1	—	—	23	—	4	3	5	2	5	4							
	Other forms of Insanity ...	—	—	—	1	—	—	1	—	3	1	1	4	1	—	12	1	3	1	3	2	1	3							
	Chorea ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—							
	Cerebral Tumour ...	—	—	—	—	—	—	1	5	3	1	1	—	—	11	1	1	1	—	1	3	4								
	Epilepsy ...	—	—	—	2	—	2	1	3	1	2	2	1	—	14	2	2	—	3	1	5	1								
	Laryngismus Stridulus ...	2	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—								
	Locomotor Ataxy ...	—	—	—	—	—	—	—	—	1	2	6	—	—	9	—	2	1	1	1	3	7								
	Paraplegia ...	1	—	—	—	—	—	—	3	2	5	5	—	—	1	15	2	1	3	2	2	4								
	Other forms, Brain Diseases ...	53	11	—	—	—	—	13	2	13	12	11	—	—	4	11	4	2	1	2	3	2								
	Otitis ...	—	3	—	1	1	2	5	2	—	—	—	1	—	3	12	1	—	1	5	3	4								
	Disease of Nose, Epistaxis ...	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—	1	—								
	Disease of Eye ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Pericarditis ...	1	—	1	—	—	1	1	—	1	4	—	—	1	8	—	—	1	4	1	3	5								
	Endocarditis ...	—	—	—	—	—	—	2	—	5	—	—	—	—	8	—	2	1	1	1	3	5								
	Hypertrophy of Heart.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Angina Pectoris ...	—	—	—	—	—	—	—	1	5	4	2	—	—	12	1	1	2	1	2	5	12								
	Aneurism ...	—	—	—	—	—	—	1	3	9	2	—	1	—	16	3	2	—	3	4	3	10								
	Senile Gangrene ...	—	—	—	—	—	—	—	—	1	2	4	1	—	8	2	1	2	—	1	2	8								
	Embolism, Thrombosis	—	—	—	1	—	1	1	5	5	11	10	1	—	35	1	5	2	5	6	8	15								
	Phlebitis ...	—	—	—	—	—	—	—	1	1	1	—	—	—	3	—	—	—	—	1	2	1								
	Varicose Veins ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Other Diseases, Heart and Vessels ...	—	1	2	3	3	3	24	42	70	136	193	149	28	1	653	75	63	82	77	101	91								
	Laryngitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Croup ...	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—								
	Other Diseases, Larynx and Trachea ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Acute Bronchitis ...	7	4	—	—	—	—	2	3	8	13	14	22	7	11	69	5	9	11	12	15	17								
	Chronic Bronchitis ...	4	3	1	—	—	—	1	3	22	28	62	47	14	7	178	18	14	20	22	34	33								
	Lobar Pneumonia ...	3	7	3	—	3	—	4	11	14	17	15	6	2	10	75	7	3	8	13	18	10								
	Lobular Pneumonia ...	52	26	4	1	—	1	4	7	14	12	21	14	2	78	80	12	11	12	19	20	42								
	Pneumonia ...	3	3	—	—	1	1	1	4	8	7	5	6	—	6	33	4	1	2	4	9	7								
	Emphysema, Asthma ...	—	—	—	—	—	—	1	3	2	2	3	3	—	14	2	—	5	—	2	2	3								
	Pleurisy ...	—	1	—	—	1	1	2	—	4	2	4	—	—	1	14	3	1	1	—	2	2								
	Other Diseases, Respiratory System ...	1	1	—	—	1	—	2	5	1	6	4	—	—	2	19	2	3	1	3	5	4								
	Diseases of Mouth and Annxia ...	1	1	—	—	2	—	—	1	—	—	—	—	—	2	3	—	—	2	3	—	—								
	Diseases of Pharynx ...	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Diseases of Oesophagus ...	—	—	—	—	—	—	—	—	—	—	1	—	—	—	2	1	—	—	—	—	—								
	Ulcer of Stomach and Duodenum ...	—	—	—	1	—	3	3	5	6	7	7	2	—	—	34	2	3	2	1	7	10								
	Other Diseases of the Stomach ...	6	1	—	1	—	—	1	2	5	—	4	—	—	7	13	3	5	1	5	3	1								
	Enteritis ...	61	7	—	1	1	—	1	1	1	3	1	4	—	68	13	6	7	3	14	11	21								
	Appendicitis ...	—	4	7	3	1	4	2	2	1	4	3	—	—	4	27	5	1	1	5	5	7								
	Obstruction of Intestines ...	4	5	1	3	1	—	1	2	1	6	7	4	—	9	26	7	4	—	1	7	9								
	Other Diseases of Intestines ...	1	—	—	—	—	—	2	1	—	3	—	—	—	1	6	1	—	—	4	1	1								
	Cirrhosis of Liver ...	—	—	—	—	—	—	2	3	6	4	4	—	—	19	3	1	4	1	4	4	2								
	Other Diseases of Liver ...	—	—	—	—	—	—	1	—	2	1	1	—	—	6	—	1	1	2	1	—	—								
	Peritonitis ...	1	—	—	1	—	—	1	1	1	—	—	—	—	1	4	—	—	—	—	3	2								
	Other Diseases, Digestive System ...	1	—	—	—	—	1	—	1	2	1	2	—	1	1	8	1	3	—	3	1	1								
	Diseases, Lymphatic System and Glands ...	—	—	—	1	1	—	—	5	3	1	—	—	—	—	11	—	—	2	3	4	1								
	Acute Nephritis ...	1	—	—	1	—	—	—	—	2	—	—	—	—	1	3	—	—	—	1	2	—								
	Bright's Disease ...	—	—	—	—	1	1	4	12	14	32	29	20	—	113	14	13	9	16	13	19	29								
	Calculus ...	—	—	—	—	—	—	1	—	—	2	—	3	—	—	6	3	—	1	—	—	1								
	Diseases of Bladder and Prostate ...	—	—	—	—	—	—	1	—	2	7	10	9	—	—	29	1	1	3	5	4	6								
	Other Diseases, Urinary System ...	—	—	—	—	—	—	—	—	1	—	4	—	—	5	1	—	—	1	—	2	1								
	Diseases of Testis and Penis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Diseases of Ovaries ...	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—								
	Diseases of Uterus and Appendages ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Diseases of Vagina and External Genitals ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Diseases of Breast ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Abortion, Miscarriage.	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Puerperal Mania ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Puerperal Convulsions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
	Placenta Prævia, Flooding ...	—	—	—	—	—	—	2	2	—	—	—	—	—	—	4	—	1	—	1	1	—								

♀ 1 Female 101 years.

No.	Description of work	Amount	Total
1	...	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...
10	...	...	...
11	...	...	...
12	...	...	...
13	...	...	...
14	...	...	...
15	...	...	...
16	...	...	...
17	...	...	...
18	...	...	...
19	...	...	...
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25	...	...	...
26	...	...	...
27	...	...	...
28	...	...	...
29	...	...	...
30	...	...	...
31	...	...	...
32	...	...	...
33	...	...	...
34	...	...	...
35	...	...	...
36	...	...	...
37	...	...	...
38	...	...	...
39	...	...	...
40	...	...	...
41	...	...	...
42	...	...	...
43	...	...	...
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Continued.

Deaths in Institution within Borough.	DISEASES.	AGES.														Under 5	Over 5	DISTRICTS.								Males.	Females.	Totals.
		0-	1-	5-	10-	15-	20-	25-	35	45	55	65	75	85	Tot.			U.H.	Toll.	L.H.	H.	B.	S.E.					
7 2 5 1 11 2 1	Puerperal Thrombosis.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Other Diseases, Pregnancy and Childbirth	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	1	1		
	Arthritis, Ostitis, Periostitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Other Diseases, Osseous System	—	2	2	—	1	—	1	1	—	—	—	—	—	—	2	6	1	—	2	1	3	1	—	5	3	8	
	Ulcer, Bed-sore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Eczema	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Pemphigus	3	—	—	—	—	—	—	—	—	—	1	—	—	—	3	1	—	—	—	2	1	—	1	2	2	4	
	Other Diseases, Integumentary System	1	—	—	—	—	—	—	—	1	2	—	—	—	—	1	3	—	1	—	—	1	1	1	1	3	4	
	Accidents and Negligence.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	In Mines and Quarries.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	In Vehicular Traffic	—	3	7	2	3	—	3	2	1	2	7	1	—	—	3	28	4	1	4	6	3	6	7	18	13	31	
	On Railways	—	—	—	—	—	—	—	—	1	2	—	—	—	—	—	3	—	—	1	1	—	—	1	2	1	3	
	On Ships, Boats, etc. (not drowning)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	In Building Operations	—	—	—	—	—	—	—	—	1	1	—	2	—	—	—	4	1	—	—	—	—	1	2	4	—	4	
	By Machinery	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	2	—	—	—	—	—	1	1	2	—	2	
	By Weapons and Implements	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Burns and Scalds	2	7	1	—	—	—	—	—	—	—	—	—	1	—	9	2	—	3	3	2	1	1	1	7	4	11	
	Poisons, Poisonous Vapours	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	2	—	—	1	—	—	—	1	1	1	2	
	Surgical Narcosis	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	2	—	—	—	—	—	—	2	1	1	2	
	Effects of Electric Shock	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	1	—	1	
	Corrosions by Chemicals	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Drowning	—	—	1	—	1	—	2	—	—	1	—	—	—	—	—	5	—	1	—	—	—	2	2	4	1	5	
	Suffocation, Overlaid in Bed	4	—	—	—	—	—	—	—	1	—	—	—	—	—	4	1	—	1	—	1	—	1	2	5	—	5	
	Suffocation, Otherwise	6	—	—	—	—	—	—	—	1	—	—	—	1	—	6	2	1	—	2	—	2	2	1	6	2	8	
	Falls, not specified	2	1	—	1	—	—	—	—	1	4	2	6	3	1	3	18	1	1	5	2	3	1	8	15	6	21	
Weather Agencies	—	1	—	—	—	—	—	—	—	1	1	1	1	—	1	4	1	—	—	—	—	3	1	3	2	5		
Otherwise, not stated	—	—	2	—	—	—	—	—	2	1	—	—	—	—	—	5	1	—	—	—	1	2	1	2	3	5		
Homicide	3	—	—	2	1	2	—	—	—	—	—	—	—	—	3	5	—	1	2	1	1	—	3	3	5	8		
Suicide.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
By Poison	—	—	—	—	1	—	2	3	6	3	2	—	—	—	—	17	—	2	2	—	4	5	4	12	5	17		
By Asphyxia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
By Hanging and Strangulation	—	—	—	—	—	1	—	—	2	1	—	—	—	—	—	4	1	—	—	—	2	—	1	2	2	4		
By Drowning	—	—	—	—	—	2	—	—	1	—	2	—	—	—	—	5	—	—	—	—	1	2	2	4	1	5		
By Shooting	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	—	1		
By Cut or Stab	—	—	—	—	—	—	—	—	3	—	1	—	—	—	—	4	—	1	1	—	1	1	—	4	—	4		
By Precipitation from Elevated Places	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	2	—	—	—	1	—	—	1	1	1	2		
By Crushing	—	—	—	—	—	—	—	—	2	1	1	—	—	—	—	4	—	2	1	1	—	—	—	3	1	4		
By other and unspecified methods.	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	1	1		
Execution	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Sudden Death, cause not ascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Ill-defined and unspecified causes	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	1	—	—	—	—	—	1	—	1		
	Males	255	99	26	26	34	32	102	161	270	351	345	235	43	354	1624	181	181	190	251	320	346	509	1978	1924	3902		
	Females	218	87	32	24	38	43	95	119	191	242	364	367	104	305	1619	178	205	202	242	325	300	472	1924	1924	3902		
809	TOTAL DEATHS	473	186	58	50	72	75	197	279	461	593	709	602	147	659	3243	359	386	392	493	615	646	981	1978	1924	3902		





## Metropolitan Borough of Islington.

## CAUSES OF, AND AGES AT DEATH DURING THE CALENDAR YEAR, 1923.

CAUSES OF DEATH.		Nett Deaths at the subjoined Ages of "Residence" whether occurring within or without the District.									Total Deaths whether of "Residents" or "Non-residents" in Institutions in the District.
		All ages	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 yrs.	15 and under 25 yrs.	25 and under 45 yrs.	45 and under 65 yrs.	65 and upwards	
1		2	3	4	5	6	7	8	9	10	11
<b>All Causes</b>	Certified ... Uncertified ..	3685 Nil	475 —	94 —	93 —	101 —	142 —	457 —	1034 —	1469 —	1393 —
Enteric Fever ...	...	—	—	—	—	—	—	—	—	—	—
Small Pox ...	...	—	—	—	—	—	—	—	—	—	—
Measles ...	...	18	2	8	7	1	—	—	—	—	5
Scarlet Fever ...	...	13	—	1	7	4	—	—	1	—	1
Whooping Cough ...	...	38	22	8	8	—	—	—	—	—	8
Diphtheria and Cramp ...	...	22	2	6	8	5	—	—	—	1	4
Influenza ...	...	58	2	1	2	2	—	10	18	23	14
Erysipelas ...	...	6	2	1	1	—	—	—	1	1	1
Phthisis (Pulmonary Tuberculosis) ...	...	326	3	4	5	8	64	130	99	13	167
Tuberculous Meningitis...	...	28	6	5	6	7	3	—	1	—	4
Other Tuberculous Diseases ...	...	23	1	3	2	2	1	3	7	4	10
Cancer, malignant disease	...	471	—	—	1	—	5	38	222	205	221
Rheumatic Fever .	...	5	—	—	—	3	1	—	1	—	—
Meningitis ...	...	24	*7	3	*6	*2	*2	4	—	—	5
Organic Heart Disease ...	...	636	—	—	1	7	6	56	208	358	271
Bronchitis .	...	260	12	4	3	1	—	9	67	164	126
Pneumonia (all forms) ..	...	282	58	23	14	7	6	30	72	72	121
Other diseases of respiratory organs ...	...	51	1	—	2	—	3	13	18	14	14
Diarrhoea and Enteritis...	...	117	95	8	1	1	1	3	4	4	70
Appendicitis and Typhlitis	...	31	—	1	3	10	5	5	4	3	11
Cirrhosis of Liver .	...	17	—	—	—	—	—	5	9	3	6
Alcoholism ...	...	—	—	—	—	—	—	—	—	—	—
Nephritis and Bright's Disease ..	...	117	1	—	—	1	2	23	41	49	72
Puerperal Fever ..	...	9	—	—	—	—	3	6	—	—	6
Other accidents and diseases of Pregnancy and Parturition ...	...	8	—	—	—	—	1	6	1	—	2
Congenital Debility and Malformation, including Premature Birth ...	...	182	180	2	—	—	—	—	—	—	15
Violent Deaths, excluding Suicide ..	...	108	16	4	7	15	6	12	22	26	51
Suicide ...	...	32	—	—	—	—	3	10	14	5	7
Other Defined Diseases ..	...	983	§ 65	12	†9	25	30	†94	†224	†524	181
Diseases ill-defined or unknown ...	...	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> ...	...	3865	475	94	93	101	142	457	1034	1469	1393
<b>SUB-ENTRIES.—Included in above figures :</b>											
*Cerebro-spinal Meningitis	...	7	*4	—	*1	*1	*1	—	—	—	3
† Polio-Encephalitis ...	...	1	†1	—	—	—	—	—	—	—	—
† Encephalitis Lethargica ..	...	4	—	—	†1	—	—	†1	†1	†1	—
§ Ophthalmia Neonatorum	...	1	§1	—	—	—	—	—	—	—	—





## LONDON COUNTY COUNCIL RETURN.

*Borough of Islington.*

## PROCEEDINGS DURING 1923.

PREMISES.	NUMBER OF PLACES.				Number of Inspections 1923	Number of Notices 1923	Number of Prosecutions 1923
	On Register at end of 1922	Added in 1923	Re- moved in 1923	On Register at end of 1923			
Milk Premises ... ..	623	25	18	630	823	42	Nil
Cowsheds ... ..	4	—	—	4	35	—	—
Slaughter-Houses .. ..	18	—	1	17	907	—	—
Other Offensive Trade Prem- ises ... ..	7	—	—	7	52	—	—
Ice Cream Premises ... ..	242	—	—	242	83	22	—
Registered Houses Let in Lodgings . ... ..	1,012	—	—	1,012	8,710	614	5

Total number of intimation notices served for all purposes ... .. 4,298

*Insanitary houses—*

Number closed under the Public Health (London) Act, 1891 ... .. Nil  
 Number of premises cleansed under Section 20 of the L.C.C. (General Powers)  
 Act, 1904 ... .. 122

*Housing of the Working Classes—*

Number of houses inspected ... .. 3,952  
 Number of representations by householders ... .. Nil  
 Number of representations by Medical Officer ... .. 1  
 Number of houses included in such representations ... .. 192  
 Number of houses remedied without Closing Orders ... .. Nil  
 Number of Demolition Orders ... .. Nil  
 Number of houses dealt with under Section 15 of the Housing, Town Planning,  
 etc., Act, 1909 ... .. Nil  
 Number of Closing Orders ... .. Nil  
 Number of houses included in such Closing Orders ... .. Nil  
 Number of Closing Orders determined ... .. Nil  
 Number of houses demolished—(a) in pursuance of Orders ... .. Nil  
 (b) voluntarily ... .. Nil

*Obstructive buildings—*

Number of representations under Section 38 of the Housing Act, 1890 ... .. Nil  
 Number of representations still under consideration ... .. Nil  
 Number of buildings demolished ... .. Nil  
 Number of Orders for repairs issued under Section 28 of the Housing Act,  
 1919 ... .. Nil  
 Number of houses repaired by local authorities ... .. Nil  
 Number of houses closed on notice by owner that they could not be made fit ... .. Nil  
 Total number of houses in the Borough ... .. 42,633  
 Number of houses for the working classes—  
 (a) Erected during year (Flats) ... .. Nil  
 (b) In course of erection (Flats) ... .. Nil  
 Number of houses occupied by the working classes ... .. about 27,000



*Smoke nuisances—*

Number of observations ... ..	215
Number of warnings (letters sent) ... ..	32
Number of notices ... ..	18
Number of nuisances and complaints ... ..	32
Number of summonses ... ..	2

*Underground Rooms—*

Number illegally occupied ... ..	6
Number closed or illegal occupation discontinued ... ..	6

*Overcrowding—*

Number of rooms overcrowded ... ..	17
Number remedied ... ..	17
Prosecutions ... ..	Nil

*Cleansing—*

Number of adults cleansed ... ..	24
Number of children cleansed ... ..	4,886

*Cleansing--*

Number of rooms or premises cleansed ... ..	4 693
---	-------

*Water supply to tenement houses—*

Premises supplied ... ..	58
Prosecutions ... ..	Nil

*Sale of Food—*

Number of premises used other than ice cream premises, milk shops and cowsheds ... ..	632
Number of inspections ... ..	17,655

*Ophthalmia Neonatorum regulations—*

Number of Notifications received during the year from certified midwives ...	5
--	---

*Sanitary officers—*

Number of Sanitary Inspectors (Whole time)	Male, 18	Female	2
„ „ (Part time)	Male, Nil	Female	Nil
Number of Health Visitors... ..	Whole time, 7	Part-time	Nil

*Disinfection Shelter provided under Sec. 60 (4) of the Public Health (London) Act, 1891—*

Number of persons accommodated during the year ... ..	3
---	---

*Revenue Acts—*

Number of houses for which applications were received during year ... ..	4
Number of tenements comprised therein ... ..	32
Number of tenements for which certificates were (a) granted ... ..	8
(b) refused ... ..	—
(c) deferred ... ..	24

*Number of prosecutions under By-laws under Public Health Act, 1891—*

(a) For prevention of nuisance arising from snow, ice, salt, filth, etc. ... ..	Nil
(b) For prevention of nuisance arising from offensive matter running out of any manufactory, etc. ... ..	Nil



- (c) For the prevention of keeping animals in such a manner as to be injurious to health
- (d) As to paving of yards, etc., of dwelling houses
- (e) In connection with the removal of refuse matter, etc.
- (f) As to the removal of refuse matter, etc.
- (g) For securing the proper disposal of refuse matter, etc.
- (h) With respect to water closets, earth closets, etc.
- (i) With respect to the supply of water supply to water closets
- (j) With respect to the management of the City's Management Act, Section 202
- (k) With respect to the disposal of refuse matter, etc. (Metropolis Management Act 1899)

Number of persons in the City of London, 1907

(a) With respect to water supply to water closets

Notes:

Total number of persons in the City of London

Total number of persons in the City of London

(c)	For the prevention of keeping of animals in such a manner as to be injurious to health	...	...	...	...	...	Nil
(d)	As to paving of yards, etc., of dwelling houses	...	...	...	...	...	Nil
(e)	In connection with the removal of offensive matter, etc.	...	...	...	...	...	Nil
(f)	As to cesspools and privies, removal and disposal of refuse, etc.	...	...	...	...	...	Nil
(g)	For securing the cleanliness of tanks, cisterns, etc.	...	...	...	...	...	Nil
(h)	With respect to water closets, earth closets, etc.	...	...	...	...	...	Nil
(i)	With respect to sufficiency of water supply to water closets	...	...	...	...	...	Nil
(j)	With respect to drainage, etc. (Metropolis Management Act, Section 202)	...	...	...	...	...	1
(k)	With respect to deposit of plans as to drainage, etc. (Metropolis Management Acts Amendment (By-laws) Act, 1899)	...	...	...	...	...	Nil

*Number of prosecutions under L.C.C. (General Powers) Act, 1907—*

(i)	With respect to water supply to tenement houses	...	...	...	Nil
-----	---	-----	-----	-----	-----

*Mortuaries—*

Total number of bodies removed ... ..	288
Total number of infectious bodies removed	Nil





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METROPOLITAN

Borough of Kingston

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