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COUNTY BOROUGH OF SALFORD.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR THE YEAR

1902.

BY

CHARLES H. TATTERSALL,

M.R.C.S. ENG., L.R.C.P. LONDON, D.P.H.,

MEDICAL OFFICER OF HEALTH FOR THE COUNTY BOROUGH
OF SALFORD.

SALFORD :

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MEMBERS OF THE HEALTH COMMITTEE

1910-1911

Dr. J. C. H. H. H. H. H.

Dr. J. C. H. H. H. H. H.

Dr. J. C. H. H. H. H. H.

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Dr. J. C. H. H. H. H. H.

Dr. J. C. H. H. H. H. H.

TO THE HEALTH COMMITTEE.

GENTLEMEN,

I beg to submit my Fifth Annual Report on the Health of the Borough, and the work of the Department.

The Death rate for the year was 19·2, being even lower than last year, which was the lowest on record up to that date. The birth rate being 33·7 per thousand has recovered from the special circumstances which kept it so low in 1901.

The year 1902 has been remarkable for a severe outbreak of Typhus Fever in the early part of the year, and an outbreak of Small Pox in the autumn. These are dealt with in detail in the body of the report.

The new Small-Pox Hospital in Drinkwater Park was opened for patients in November, and has proved of great service.

I have the honour to be, Gentlemen,

Your obedient servant,

C. H. TATTERSALL.

Town Hall,
Salford,
May, 1902.



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PART I.

MORTALITY STATISTICS.



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PART I.

MORTALITY STATISTICS.

POPULATION.

The Registrar-General's estimate of the population of the County Borough of Salford, for the middle of 1902, is **224,007**, and this number is the basis on which the various Birth, Death, and Sickness rates mentioned in this report have been calculated.

The natural increase of the population during the year, that is, the difference between the births and deaths was 3,324, as compared with 2,561, the estimated increase based on the census population of 1891 and 1901.

The male population is estimated to be **108,268**, and the female population **115,739**.

There are 26,947 under 5 years of age, 47,391 from 5 to 15 years, 45,944 from 15 to 25 years, 97,206 from 25 to 65, and 6,519 over 65 years of age.

BIRTHS.

During the year 1902 there were 7,699 births registered in the Borough, which gives a **birth-rate** of **33·7** per thousand of the population.

This is an increase from the previous year of 1,242 births, or an increase in the birth-rate of 4·6 per thousand.

Of the total births, 3,904 were males, and 3,795 were females.

The birth-rate for the 67 large towns averaged 30·0 per thousand, and for England and Wales the rate was 28·6, as compared with 33·7 for Salford.

There were 272 births registered as illegitimate, or 3·5 per cent. of the total births, which corresponds exactly with the average for the past ten years. There were 73 in the first, 69 in the second, 70 in the third, and 60 in the fourth quarter.

The percentage of illegitimate births in the various districts was—Regent Road, 3·5; Greengate, 4·7; Pendleton, 3·5; and Broughton, 2·6 per cent. This is practically the same as the average of the previous ten years, which was—Regent Road, 3·2; Greengate, 4·7; Pendleton, 3·5; and Broughton, 2·9.

DEATHS.

The total number of deaths registered from all causes in the Borough, during the year 1902, was 4,375, of which 2,245 were males, and 2,130 females. This gives a **death rate of 19·2** per thousand of the population.

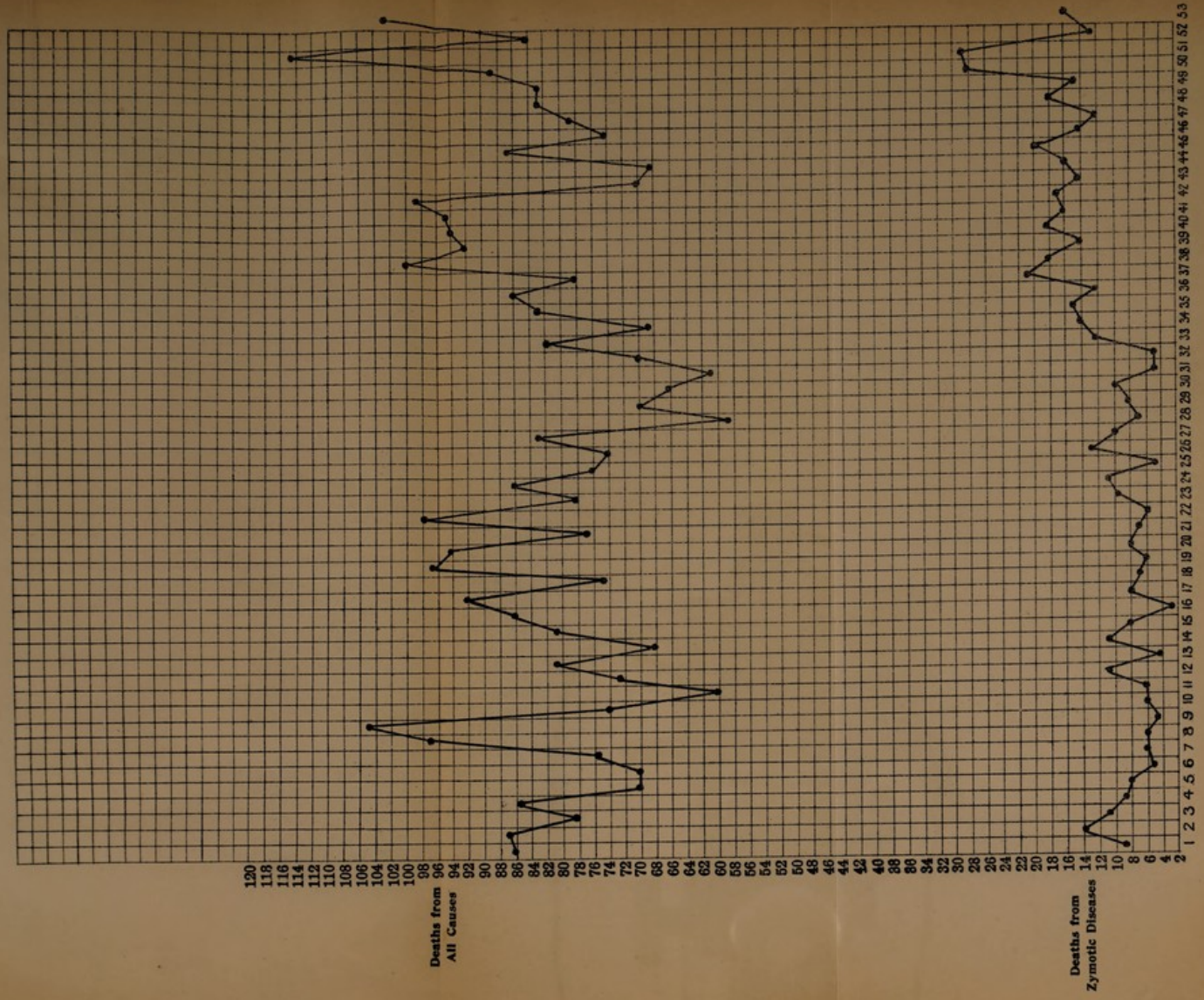
The death rate for the previous year, 21·7 per thousand, was the lowest on record for the Borough, and this has been reduced by 2·5 per thousand, which must be considered most satisfactory.

Of this total, 1,050 deaths occurred in the first, 1,088 in the second, 1,008 in the third, and 1,229 in the fourth quarter of the year.

The accompanying chart shows the number of deaths registered weekly from all causes, and from zymotic diseases respectively.

District Mortality Rates.—The death rate in Regent Road District was 19·6 per thousand, as com-

Deaths in each week from All Causes, and from Zymotic Diseases, 1902.



Deaths from

On

98

100

103

107

104

100

108

110

111

113

114

116

118

120

121

122

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126

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Symptomatic Diseases, 1903.
Deaths in each week from All Causes, and from

pared with 26·1, the average of the preceding three years ; in Greengate it was 28·3, as compared with 32·1 ; in Pendleton 17·9, as compared with 21·3 ; and in Broughton 14·3, as compared with 17·3. Thus the improvement was most marked in the Pendleton District.

Deaths at Various Ages.—These are shewn in detail in Tables Nos. 3, 4, and 12.

Comparing the death rates with the previous year it is found that, under five years of age the rate is 67·4 per thousand living, as compared with 80·6 ; from 5 to 15, 3·5 as compared with 4·6 ; from 15 to 25, 4·1 as compared with 4·4 ; from 25 to 65, 15·5 as compared with 16·8 ; and over 65, 94·5 as compared with 96·8.

Infant Mortality.—There was a great improvement in the infant mortality when compared with previous years.

There were 1,211 deaths registered of infants under one year of age, or 157 per thousand births, as compared with 205 per thousand in the previous year, and 211 the average of the preceding five years. This difference is largely due to the favourable weather ; the cool summer preventing any serious outbreak of Summer Diarrhœa, but there are signs that it indicates a distinct improvement in the prospect of life for infants born in the Borough.

The chief causes of death among infants were :—zymotic disease, 312 deaths ; premature birth, 166 ; tuberculosis, 66 ; convulsions, 88 ; bronchitis, 116 ; pneumonia, 100 ; and enteritis, 65.

The 312 deaths from zymotic disease were principally

due to diarrhoea, 111; tuberculosis, 66; whooping cough, 55; and measles 49 deaths.

The experiment, which is being made in the Greengate District, of visiting and keeping under observation each newly-born child, has produced a considerable amount of information and has, I believe, proved useful in reducing the infantile mortality. Thus, in 1900, the infant mortality in Greengate was 224 per thousand births; in 1901 it was 246 per thousand; and in 1902 when the children were being observed the rate fell to 178 per thousand. It should be stated that the year under consideration was very favourable to infant life, as is shewn by the figures for the Borough as a whole, viz., 1900, 208; 1901, 205; and 1902, 157.

Information as to feeding was obtained respecting 494 infants, with the result shewn in the table below.

TABLE A.—SHEWING NATURE OF FOOD AND TOTAL DEATHS AMONG THE BIRTHS SPECIALLY FOLLOWED UP.

Nature of Food.	Number of Births.	Number of Deaths.	Death Rate per 1,000.
Breast	374	39	104'3
Mixed, breast milk and other food or milk	65	10	153'8
Milk	30	12	400'0
Other Food	25	11	440'0
Total.....	494	72	145'7

The accompanying table B gives the causes of death under one year of age in the Greengate District, in each month of age :—

TABLE B.—DEATHS OF INFANTS UNDER ONE YEAR DURING THE YEAR 1902.

Cause of Death.	Under 1 Month.	Under 2 Months.	Under 3 Months.	Under 4 Months.	Under 5 Months.	Under 6 Months.	Under 7 Months.	Under 8 Months.	Under 9 Months.	Under 10 Months.	Under 11 Months.	Under 12 Months.	Total.	Rate per 1,000 Births.
Premature Birth ...	24	5	...	...	...	...	...	...	...	...	...	...	29	23
Congenital Malform:	4	...	...	...	...	...	...	...	...	...	...	...	4	3
Debility	10	...	1	2	1	...	...	...	...	...	...	...	14	11
Lung Disease	4	4	1	2	4	5	6	2	5	2	5	3	43	33
Diarrhoea	2	1	2	3	3	4	4	1	1	1	1	1	24	19
Enteritis	...	...	...	1	...	...	...	...	1	...	...	...	2	2
Measles	...	...	...	...	...	...	1	2	1	2	3	2	11	9
Whooping Cough...	1	...	1	2	1	5	...	2	2	1	...	2	17	13
Scarlet Fever	...	...	...	...	...	...	...	...	1	...	...	...	1	1
Convulsions	1	3	3	1	2	...	1	1	1	...	...	1	14	11
Tubercular Disease	2	1	...	...	...	3	1	1	2	1	...	1	12	9
Atrophy	5	3	1	3	6	3	2	1	1	1	1	...	27	21
Overlaid in Bed ...	6	...	...	1	...	...	...	...	...	...	...	...	7	5
Other Diseases.....	7	1	5	1	1	2	2	1	...	2	1	1	24	19
Totals.....	66	18	14	16	18	22	17	11	15	10	11	11	229	178

The experiment is being continued, and it is to be hoped that further experience will confirm the favourable impressions already formed as to its success.

In Table No. 13 the rates of each of the 33 great towns is given, and that of Salford stands 28th on the list.

For the five years 1878 to 1882 the infantile rate in Salford averaged 178, from 1883 to 1887 it was 184; from 1888 to 1892 it was 189, from 1893 to 1897 it was 207, and from 1898 to 1902 it was 199.

Senile Mortality.—Of the total deaths 628, or 14·3 per cent., occurred among persons over 65 years of age; 204, or 4·6 per cent., were over 75; and 26, or 0·5, were over 85; the highest age at death recorded during the year being 103.

Comparison of Death Rate in Salford with those in the 33 Towns.—In Table No. 13, a detailed comparison of the death rate in the various great towns will be found.

From this it will be seen that the average death rate for the 33 great towns was 17·4 per thousand, whilst in Salford the death rate was 19·2.

For the whole of England and Wales the death rate for the year was 16·3.

Table No. 13 gives the deaths of infants under one year of age per thousand births in the great towns, average is seen to be 148, which may be compared with 157, the rate for Salford.

Of the eight Lancashire towns included in the 33 great towns, Salford stands fourth, the figures being Bolton 134, Oldham 148, Manchester 152, Salford 157,

Blackburn 160, Liverpool 163, Burnley 177, and Preston 188.

Classification of Causes of Deaths.—In considering the causes of deaths, it is convenient in the first instance to show the percentage of deaths attributable to special groups of diseases. Thus of the total, 4,375 deaths from all causes and at all ages, there were from—

Zymotic diseases	1,254	deaths, or	28·7	per cent. of the total deaths.
Constitutional	„	198	„	4·5
Developmental	„	271	„	6·2
Local	„	2,190	„	50·0
Other	„	462	„	10·6
		4,375		100·0

Zymotic Diseases.—These will be dealt with at length in Part II. of this report, where it will be found that the zymotic death-rate was 2·6 per thousand of population, as compared with 4·2 in 1901, and 4·1 in 1900.

The deaths from the various diseases are given in the following table :—

	1902.	1901.		1902.	1901.	
Measles.....	156 ...	114	Whooping Cough ...	118 ...	91	
Scarlet Fever	50 ...	106	Diphtheria.....	75 ...	140	
Fever {	Typhus ...	12 ...	1	Diarrhoea	144 ...	412
	Enteric ...	48 ...	75	Small-pox	1 ...	—
	Continued..	— ...	—			

Acute Lung Diseases.—From bronchitis, pneumonia, and pleurisy, 973 deaths were registered, against 952 for 1901, 1,328 for 1900, and 1,144 for 1899. From bronchitis there were 490 deaths, giving a death rate of 2·1 per 1,000 persons living, while from pneumonia there were 477 deaths, giving a death rate of 2·1. From respiratory diseases generally there were nine deaths more than in 1901.

Cancer.—There were 166 deaths from cancer, giving a death rate of 0·7 per 1,000 living, and as compared with 0·7 the rate of 1901 and 0·6 the rate of 1900, and 0·6 the average rate for the five years 1893 to 1897. The rate for the five years, 1878 to 1882, was 0·4; from 1883 to 1887, 0·5; and from 1888 to 1892, it was 0·5 per 1,000, showing that this dread disease is steadily, although slowly increasing.

Nervous Diseases.—From the various nervous diseases there were 459 deaths, giving a death rate of 2·0 per 1,000, as compared with 1·9 in 1901, 2·4 in 1900, 2·3 in 1899, and 2·1 the average for the five years 1894 to 1898.

Heart Disease.—There were 331 deaths from heart disease. This gives a death-rate of 1·4 per 1,000, compared with 1·5 for 1901, 1·7 for 1900, 1·3 for 1899, and 1·3 the average for the five years 1893 to 1898.

Phthisis, Tubercular Diseases, and Influenza.—The mortality from these diseases will be found in Part II. of this report.

PART II.
INFECTIOUS DISEASES.

INFECTION OF THE
HUMAN SYSTEM BY
THE SMALL-POX VIRUS
AND THE MEASLES
VIRUS, AND THE
PREVENTION OF THE
DISEASES BY
VACCINATION AND
REVACCINATION.

BY
J. H. COOPER, M.D.,
OF THE UNIVERSITY OF
CHICAGO.

PART II.
THE PREVENTION OF THE
DISEASES BY
VACCINATION AND
REVACCINATION.

INFECTIONS - DISEASES.

THE HISTORY OF THE
INFECTION OF THE
HUMAN SYSTEM BY
THE SMALL-POX VIRUS
AND THE MEASLES
VIRUS, AND THE
PREVENTION OF THE
DISEASES BY
VACCINATION AND
REVACCINATION.

PART II.

INFECTIOUS DISEASES.

There has been a distinct reduction in the amount of infectious sickness. The total number of cases of infectious sickness, notified under the Notification Act, was 1,531, which is 798 less than the preceding year, and 266 less than the average for the ten years 1892 to 1901.

Of the notifiable diseases, there were 23 cases of small-pox, 780 cases of scarlet fever, 270 cases of diphtheria, 22 cases of membranous croup, 43 cases of typhus fever, 207 cases of enteric fever, 6 cases of continued fever, 16 cases of puerperal fever, and 164 cases of erysipelas reported.

When compared with 1901, this shows a decrease of 540 cases of scarlet fever, 121 cases of diphtheria, 7 cases of membranous croup, 110 cases of enteric fever, 17 cases of puerperal fever, 2 cases of continued fever, and 66 cases of erysipelas; an increase of 23 cases of small-pox, and 42 cases of typhus fever.

The zymotic death-rate has been 2·6 per 1,000 living, compared with 4·2 for 1901, 4·1 for 1900, and 4·4 for 1899.

Full details for comparison will be found in Table No. 15.

It is impossible to give statistics of sickness in the

infectious diseases which are not included in the Notification Act, but the particulars of mortality are as follows :—

Phthisis	380
Other Tubercular Diseases	159
Measles	156
Whooping Cough	118
Diarrhœa	144
Influenza	38

The accompanying chart shows the weekly incidence of cases notified to the department, from which it will be seen that the highest number in any one week was 46 cases which occurred in the 45th and 53rd weeks, and the lowest number in one week was 12 cases in the 19th week; in 1901 the highest number was 61 cases in the 32nd week, and the lowest, 6 cases in the 16th week.

In Table No. 23 appended, will be found the mortality rates from scarlet fever, diphtheria, whooping cough, measles, and diarrhœa, compared with those for England and Wales, the 33 great towns, and London.

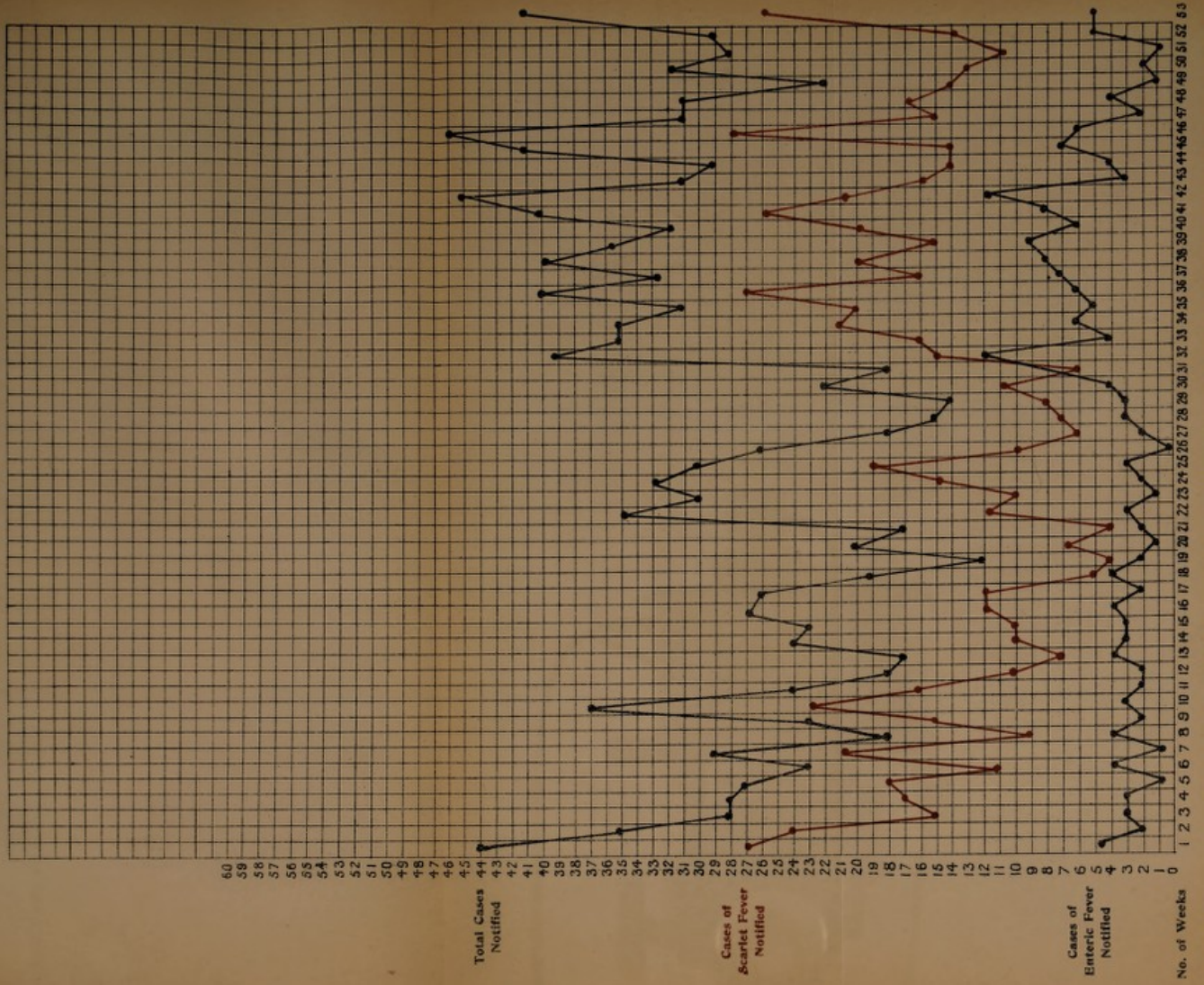
The following table gives the mean weekly incidence of fresh cases from 1883. In the year 1890, erysipelas and membranous croup were added to the list of diseases notified.

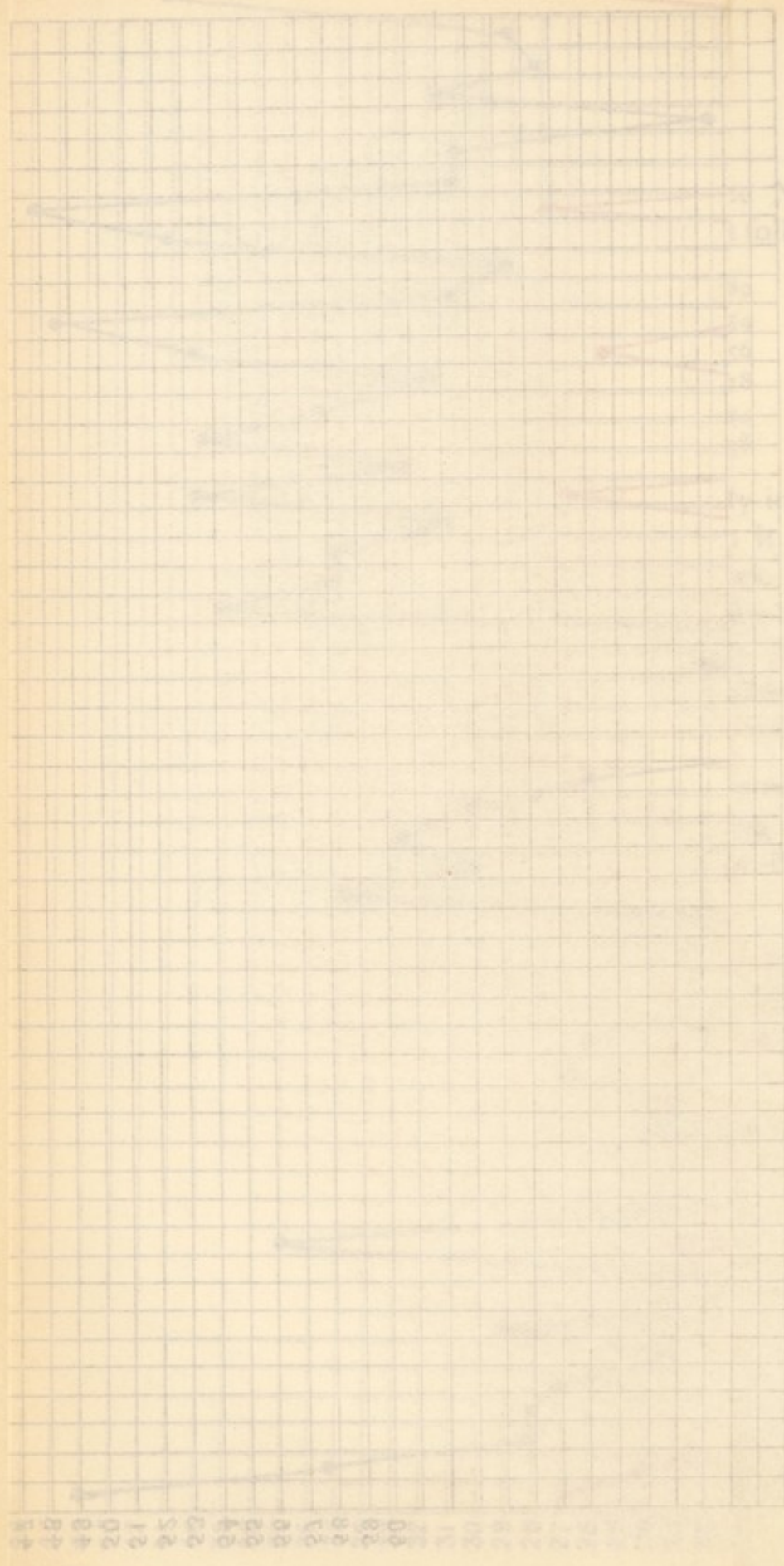
The mean weekly incidence of fresh cases in 1883 was 23				
"	"	"	"	" 1884 " 33
"	"	"	"	" 1885 " 18
"	"	"	"	" 1886 " 36
"	"	"	"	" 1887 " 36
"	"	"	"	" 1888 " 35
"	"	"	"	" 1889 " 47
"	"	"	"	" 1890 " 41*
"	"	"	"	" 1891 " 22*
"	"	"	"	" 1892 " 30*
"	"	"	"	" 1893 " 39*
"	"	"	"	" 1894 " 35*

* The years include Membranous Croup and Erysipelas.

Notification of Infectious Disease, 1902.

Showing total number of cases notified, cases of Scarlet Fever, and Enteric Fever in each week of the year.





Enteric Fever in each week of the year.

Showing total number of cases notified, cases of scarlet fever, and

Notification of Infectious Diseases, 1903.

The mean weekly incidence of fresh cases in 1895 was	36*
" " " " " 1896 "	41*
" " " " " 1897 "	24*
" " " " " 1898 "	26*
" " " " " 1899 "	26*
" " " " " 1900 "	42*
" " " " " 1901 "	45*
Mean for twelve years 1890-1901	34*
The mean weekly incidence of fresh cases in 1902 "	29*

SMALL-POX.

There were 23 cases of small-pox notified during the year. I do not propose to deal with these cases until the epidemic, which is still present, has ceased, beyond saying that of these 23 cases, 8 were imported cases, the infection being brought from Boston, U.S.A., Hollingworth, Sheffield, Heaton Chapel, &c.; and 10 cases occurred in an outbreak in one of the wards of the Union Infirmary.

SMALL-POX.

Ages.	Cases.	Deaths.	
		Total.	Percentages.
Under 1 year ...	...	...	...
1 to 5 years...	...	...	...
5 to 15 " ...	1	...	...
15 to 25 " ...	4	...	...
25 to 65 " ...	15	1	6.7
Over 65 " ...	3	...	...
TOTAL.....	23	1	4.3

* These years include Membranous Croup and Erysipelas.

SCARLET FEVER.

Ages.	Cases.	Deaths.	
		Total.	Percentage.
Under 1 year ...	12	5	41.7
1 to 5 years...	248	34	13.7
5 to 15 „ ...	434	9	2.1
15 to 25 „ ...	63	...	...
25 to 65 „ ...	23	2	8.7
Over 65 „ ...	...	...	...
TOTAL.....	780	50	6.4

There were 780 cases of scarlet fever notified during 1902. This number is less by 540 than that of the preceding year, and less by 167 than the average for the previous five years. This gives an attack rate of 342 per 100,000 living. Among these 780 cases there were 50 deaths, giving a death rate of 6.4 per cent. of those attacked. The death rate for 1901 was 8.0 per cent., and the average for the previous five years was also 8.0 per cent.

The cases were spread over the whole year, being most numerous in the 46th week, when 28 cases were notified, and least numerous in the 19th week, when four cases were notified, as shown in the accompanying chart. With regard to age, 89 per cent. of the cases were children under 15 years of age, and 33 per cent. were children under five years of age. The mortality, as might be expected, is heavier among the latter class, being 15 per cent. of the cases, as is shown in the above table.

**SCARLET FEVER SICKNESS.—RATES PER 1,000 OF
THE POPULATION.**

	1897.	1898.	1899.	1900.	1901.	Mean.	1902.
Salford (Borough)...	3'37	3'08	3'34	6'02	5'96	4'35	3'28
Regent Road	3'87	3'68	2'79	5'54	4'86	4'15	2'49
Greengate	3'34	3'64	3'26	6'70	9'13	5'21	3'02
Pendleton.....	2'37	2'25	3'69	6'63	4'97	3'98	3'37
Broughton	3'93	2'80	3'75	5'41	6'73	4'52	5'04

In respect to district, 181 cases occurred in the Regent Road District, 103 cases in Greengate, 237 cases in Pendleton, and 259 cases in Broughton. The attack rate per 1,000 living under 15 years of age in the Borough, was 9'2.

It is gratifying to find year by year an increase in the proportion of cases removed to the Ladywell Sanatorium. Thus in 1895, 53 per cent. of the cases were removed, in 1896 the percentage was 59, in 1897 it was 62, in 1898 73, in 1899 it was 73, in 1900 it was 76, in 1901 it was 74, and 75 per cent. in 1902.

Continuing the observations as to secondary cases in hospital and home treated cases, the following table has been prepared :—

CASES OF SCARLET FEVER FOR THE YEAR 1902.

CASES REMOVED TO HOSPITAL.

	Number.	Per cent. of Total Cases.	Number of Susceptible Persons under 15 remaining in House.	Number of Secondary Cases.	Per cent. of susceptibles under 15 left in house.
Primary Cases	500	64'1	1,043	82	7'9
Primary Cases in houses of four rooms or less	249	31'9	540	40	7'4
Primary Cases in houses of more than four rooms	251	32'2	503	42	8'3

CASES OF SCARLET FEVER FOR THE YEAR 1902.—*Continued.*

CASES TREATED AT HOME.

	Number.	Per cent. of Total Cases.	Number of Susceptible Persons under 15 remaining in House.	Number of Secondary Cases.	Per cent. of susceptibles under 15 left in house.
Primary Cases	181	23'2	209	17	8'1
Primary Cases in houses of four rooms or less	55	7'1	67	5	7'5
Primary Cases in houses of more than four rooms	126	16'1	142	12	8'5

DIPHTHERIA.

There were 292 cases of diphtheria notified during 1902, compared with 420 in 1901, and 223 the average for the preceding five years.

There were 75 deaths registered from diphtheria, giving a death rate of 26 per cent. of those attacked, compared with a death rate of 33 per cent. in 1901, and an average for the preceding five years of 34 per cent.

AGES.	CASES.	DEATHS.	
		TOTAL.	PERCENTAGE.
Under 1 year ...	7	4	57'1
1 to 5 „ ...	123	52	42'3
5 to 15 „ ...	107	16	15'0
15 to 25 „ ...	29	3	10'3
25 to 65 „ ...	26	...	...
Over 65 „ ...	...	...	...
TOTAL.....	292	75	25'7

The cases were spread over the whole year, the numbers ranging from 11 in July to 43 in November.

With regard to age, 237 cases or 81 per cent. were children under 15 years of age, and 130 cases or 44 per cent. were children under five years of age, the mortality among the latter class being very heavy, the deaths reaching the large proportion of 43 per cent. of the cases.

In respect to district, 73 cases occurred in Regent Road District, 52 in Greengate, 105 in Pendleton, and 62 in Broughton. The attack rate was highest in Greengate, being 152 per 100,000 persons living, and the lowest in Regent Road, where it was 101 per 100,000.

During the year 208 specimens were forwarded by the medical practitioners to Professor Delepine for bacteriological examination. Where a positive result is obtained, an immediate and distinct advantage is gained by practitioner and patient, as it is usually followed up at once by anti-toxin injections.

A negative result is unfortunately not decisive in diphtheria, but the following table will show that the cases giving a negative result were evidently of a less serious character.

	Cases.	Mortality.	Percentage.
Notification of Diphtheria.....	292	75	25·7
Specimens submitted to Bacteriological examination with Positive results	84	15	17·8
Specimens submitted to Bacteriological examination with Negative results	124	4	3·2

Comparing Salford with England and Wales, the 33

Great Towns, and London, the mortality rates were as follows per 10,000 living :—

England and Wales	2
33 Great Towns.....	2
London	2
Salford	3

ENTERIC OR TYPHOID FEVER.

There were 207 cases of enteric fever notified during 1902, which is a decrease of 110 when compared with 1901, and also a decrease of 110 the average of the preceding five years. This gives an attack rate for the Borough of 91 per 100,000 persons living. Out of the 207 cases, 48 died, giving a mortality rate of 23 per cent.

The cases were most numerous in the last five months of the year, reaching their highest point, 12 cases, in the 32nd and 42nd weeks; they were least numerous in the month of June. On referring to the accompanying chart, it will be seen that the Autumnal rise was well marked.

With regard to age, the cases were most numerous in the age period 15 to 25 years, the number (76) being 37 per cent. of the total cases.

AGES.	CASES	DEATHS.	
		TOTAL.	PERCENTAGE.
Under 1 years...	1	1	100'0
1 to 5 „ ...	11	5	45'5
5 to 15 „ ...	49	6	12'2
15 to 25 „ ...	76	11	14'5
25 to 65 „ ...	70	25	35'7
Over 65 „ ...	...	...	...
TOTAL.....	207	48	23'2

In respect to district, 79 cases occurred in Regent Road District, 24 in Greengate, 82 in Pendleton, and 22 in Broughton. The attack rates in the various districts were 109 per 100,000 living in Regent Road District, 70 in Greengate, 117 in Pendleton, and 43 in Broughton.

There were 118 cases removed to the Sanatorium, or 57 per cent. of the total cases, as compared with 56 per cent. in 1901, 57 in 1900, 54 in 1899, and 64 in 1898.

ENTERIC FEVER.

	Cases.	Mortality.	Percentage.
Notification of Enteric Fever...	207	48	23·2
Specimens submitted to Bacteriological examination with Positive results	85	21	24·7
Specimens submitted to Bacteriological examination with Negative results	153	7	4·6

TYPHUS FEVER.

On April 26th a case of Typhus Fever was notified at 9, Freehold Terrace, Pendleton. This case was at once removed to hospital; the contacts were also taken to Ladywell, where they were kept for a fortnight under good conditions, and none developed the disease. Inquiries failed in the first instance to elicit any information as to the source of the infection, but on May 7th a second case was notified at 46, Rossall Street. It was then ascertained that two cases of sickness had been removed to the Union Hospital from 50, Rossall Street on April 20th, and also that at 34, Rossall Street four children had been

ill, the ages varying from 11 to 17 years, and that the first of these cases commenced on April 5th. The medical gentleman attending these cases, when his attention had been called to the possibility of their being cases of typhus, expressed the opinion that they had been in all probability cases of that disease, but had escaped definite recognition owing to their mildness. So far as could be ascertained, the outbreak commenced at this house, No. 34, Rossall Street, and the further source of infection could not be satisfactorily traced; although there was a connection with another house, the occupants of which suffered very severely from disease from the beginning of February, one dying of pneumonia and a child of nephritis, and just prior to the first case a lodger came from Liverpool, where typhus was in existence at the time.

Further cases were notified as shown in the list attached, each one of which was clearly traceable to direct infection from a previous case.

A house-to-house visitation of the affected district was made and maintained daily until the epidemic ceased, and it is interesting to note that the first intimation of the succeeding cases usually came from the Inspectors carrying on this investigation.

A teacher in one of the schools was attacked, and as this teacher lived in a teachers' home, the isolation of the occupants of this home led to the closing of three schools within the Borough and, I believe, three outside.

There were in all 49 cases discovered, of which 18 died. These occurred between April 5th and July 6th, and, with the exception of four, they all occurred in the two areas first attacked, viz., about Hankinson Street, Pendleton, and Lissadel Street, Pendleton.

Generally the condition of the people attacked was that usually observed ; they were from overcrowded, dirty houses, and were of the poorest class ; but there were several notable exceptions, nine cases occurring where these conditions did not exist. Three of the nine were employees of the Corporation, viz., a vanman, who, unfortunately, did not recover, a nurse and a wardmaid at the hospital. The disease, however, developed in its early stages entirely under the usual conditions of extreme poverty, dirt, and overcrowding.

From Table A it is seen that the case mortality in this outbreak followed the usual experience, becoming heavier with advancing years.

Table B gives some very interesting particulars, showing the effect of the removal of contacts from their surroundings and feeding them well. As far as possible all contacts were removed to the Ladywell Sanatorium, and there fed well and kept under favourable conditions, and it is interesting to note that whereas among contacts left in their own houses 38 per cent. developed the disease ; only 3 per cent. of those removed and well fed were affected. Of 196 contacts 72 were removed to Ladywell, and 124 remained in their own houses.

LIST OF CASES OF TYPHUS.

Progressive Number	Date.	Address.	Source of Infection.	Result.	
				Re-covered.	Fatal.
1	April 5	34, Rossall Street, P.		1	...
2	" 18	34, Rossall Street, P.	From case in same house ...	1	...
3	" 18	34, Rossall Street, P.	From case in same house ...	1	...
4	" 20	50, Rossall Street, P.	From case at No. 34	...	1
5	" 20	50, Rossall Street, P.	From case at No. 34	1	...
6	" 23	34, Rossall Street, P.	From case in house	1	...
7	" 26	9, Freehold Terrace, P.	From 34, Rossall Street	1	...
8	" 28	61, Hankinson Street, P. ...	From 50, Rossall Street	...	1
9	May 3	46, Rossall Street, P.	From 50, Rossall Street	...	1
10	" 3	75, Rossall Street, P.	From 50, Rossall Street	1	...
11	" 6	61, Hankinson Street, P. ...	Previous case in house	...	1
12	" 6	40, Shuttleworth Street, P...	From 50, Rossall Street	...	1
13	" 9	34, Rossall Street, P.	29-46-50, Rossall Street	...	1
14	" 12	29, Rossall Street, P.	46, Rossall Street	...	1
15	" 12	29, Rossall Street, P.	46, Rossall Street	1	...
16	" 14	40, Shuttleworth Street, P...	Previous case in house	1	...
17	" 15	42, Hankinson Street, P. ...	46, Rossall Street	1	...
18	" 17	40, Shuttleworth Street, P...	Previous case in house	1	...
19	" 17	40, Shuttleworth Street, P...	Previous case in house	...	1
20	" 18	32, Devonshire Street, P. ...	40, Shuttleworth Street ...	1	...
21	" 18	15, Marple Street, P.	29 or 34, Rossall Street	1	...
22	" 19	3, Gerald Road, P.	St. Charles' School	1	...
23	" 20	28, Radford Street, P.	St. Sebastian's School	1	...
24	" 20	40, Shuttleworth Street, P...	Previous case in house	1	...
25	" 21	26, Britannia Street, P.....	St. Charles' School	1	...
26	" 22	1, Hall Street, P.	Gerald Road, R.C. Schl., &c.	1	...
27	" 24	87, Broughton Lane, B.	1, Hall Street, P.	...	1
28	" 25	Workhouse, Girls' Room ...	34, Rossall Street	1	...
29	" 25	Workhouse, Boys' Room ...	34, Rossall Street	1	...
30	" 25	Workhouse, Nursery Ward...	34, Rossall Street	...	1
31	" 25	Hope Infirmary	34, Rossall Street	...	1
32	" 26	43, Peru Street, G.	No trace	...	1
33	" 27	8, Owen Street, P.	3, Gerald Road	1	...
34	" 27	36, Rossall Street, P.	34, Rossall Street	...	1
35	" 27	30, Rossall Street, P.	34 or 36, Rossall Street	...	1
36	" 29	Ladywell Sanatorium, P. ...	Conveying patients to Hospl.	...	1
37	June 1	9, Victoria Street, G.	From the Rossall St. district	1	...
38	" 2	40, Shuttleworth Street, P...	From Nurses	1	...
39	" 3	The Convent, Adelphi, G. ...	St. Charles' School, P.	...	1
40	" 8	12, Hankinson Street, P. ...	From Mother	1	...
41	" 9	1, Rossall Street, P.	30, Rossall Street	1	...
42	" 18	28, Radford Street, P.	Previous cases in house	1	...
43	" 21	28, Radford Street, P.	Previous cases in house	...	1
44	" 21	15, Marple Street, P.	From case in Rossall Street.	1	...
45	" 22	8, Owen Street, P.	St. Sebastian's School	1	...
46	" 22	8, Owen Street, P.	St. Sebastian's School	1	...
47	" 23	Ladywell Sanatorium, P. ...	Nursing patients	1	...
48	" 30	Ladywell Sanatorium, P. ...	Nursing patients	1	...
49	July 1	30, Radford Street, P.	28, Radford Street	...	1

TYPHUS FEVER DURING THE YEAR 1902.

TABLE A.

Age.	MALES.			FEMALES.		
	Number Attacked.	Number Died.	Percentage.	Number Attacked.	Number Died.	Percentage.
Under 5	2	1	50.0	2	...	...
5 to 10	3	...	...	2	...	...
10 to 15	3	...	...	5	1	20.0
15 to 25	4	...	...	6	1	16.7
25 to 45	9	6	66.7	8	5	62.5
Over 45	3	3	100.0	2	1	50.0
TOTAL.....	24	10	41.7	25	8	32.0

TABLE B.

Age.	Persons living and remaining in house.	Number developing Typhus.	Percentage.	Persons living in the house but removed to Ladywell for Quarantine.	Number developing Typhus.	Percentage.
Under 5	19	2	10.5	13	2	15.4
5 to 10	15	5	33.3	13	...	...
10 to 15	21	8	38.1	13	...	...
15 to 25	22	10	45.5	12	...	...
25 to 45	29	17	58.6	15	...	...
Over 45	18	5	27.8	6	...	...
TOTAL.....	124	47	37.9	72	2	2.8

PUERPERAL FEVER.

There were 16 cases of this disease notified during the year, of which three occurred in Regent Road District, four in Greengate, six in Pendleton, and three in Broughton.

There were 7,699 births during the year, so that the attack rate was 0·2 per cent.

Of these cases six died, giving a mortality rate of 37 per cent.

ERYSIPELAS.

There were 164 cases of erysipelas during the year 1902, as against 230 in 1901, 179 in 1900, 153 in 1899, 146 in 1898, 121 in 1897, 114 in 1896, and 111 in 1895.

The following is a brief summary of the causes to which the cases were attributed :—

Facial, after colds	113
„ from injuries	8
From wound in leg	20
„ „ on head	8
„ „ on arm.....	1
In body from vaccination.....	2
„ „ „ colds	2
„ leg „ „	5
„ feet „ „	1
„ head „ „	4
	164

There appears to be very little advantage from the notification of this disease, as nothing of a preventive nature can be accomplished by the Health Department.

MEASLES.

There were 156 deaths from measles during the year, giving a death rate of 68 per 100,000 living. This is more than the number for last year which was 51 ; the numbers

for the preceding five years being 1896, 96; 1897, 222; 1898, 46; 1899, 97; and 1900, 57.

An arrangement is in existence with the officials of the School Board, who advise the department of every case of this disease coming to their notice. The cases are then visited, and the parents advised as to the precautions to be taken.

Leaflets were issued pointing out the dangerous character of the disease, and advising as to the precautions to be taken to prevent its spread, which leaflets were distributed by the Health Visitors.

WHOOPING COUGH.

There were 118 deaths from whooping cough during the year, 111 of which occurred among children under five years of age. The death rate for the Borough was 52 per 100,000 persons living, as compared with 41 for 1901, and 57 the average for the past five years. The death rate for England and Wales was 29 per 100,000, and the average for the 33 great towns was 34.

In Regent Road District there were 27 deaths, 34 in Greengate, 34 in Pendleton, and 23 in Broughton.

DEATHS FROM WHOOPING COUGH IN THE YEAR 1902.

QUARTERS.	AT ALL AGES.					UNDER FIVE YEARS.				
	Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.	Borough	Regent Road.	Greengate.	Pendleton.	Broughton.
1st.	17	5	...	10	2	15	4	...	9	2
2nd.	37	8	11	8	10	36	8	10	8	10
3rd.	36	8	15	6	7	35	8	14	6	7
4th.	28	6	8	10	4	25	5	7	9	4
Year	118	27	34	34	23	111	25	31	32	23

DIARRHŒA.

The year has been remarkable for the coldness of the summer, the temperature in the shade only reaching 85·9 on one day during the year. The 4-feet underground thermometer never rose above 57·9, which was reached on July 22nd. As might be expected under these circumstances, the diarrhœa rate for the year is exceedingly low, being 0·63 per 1,000 living, as compared with 1·86 last year, 1·45 in 1900, 2·09 in 1899, 2·31 in 1898, and 2·10 in 1897. In fact it is the lowest diarrhœa rate recorded in Salford. This appears to show that further influences beyond the weather are at work in reducing the fatality of this disease in the Borough, and there can be no doubt that the substitution of water-closets for pails and privies, which has been rapidly progressing during the year, and the greater efforts which have been made to keep ashpits, streets, and back passages cleaner, are having their effect on the health of the population.

TUBERCULOSIS.

During the year there were 539 deaths from phthisis and other tubercular diseases.

In every case of death from phthisis the house is visited, and consent to thorough disinfection is requested. Disinfection is then carried out free of charge. Leaflets of precautions to be taken have been supplied to all the medical men with a request that they would give them to their patients, and the lady visitors have visited the houses of the sick, and also given instructions as to the best methods of preventing the disease spreading.

To assist in the diagnosis of difficult cases the Committee have also arranged for the examination of specimens of sputum, &c., free of charge to the medical practitioners.

There were 46 specimens examined during the year.

EPIDEMIC INFLUENZA.

Thirty-eight deaths were returned as directly due to this cause. The Broughton District appears to have suffered most, 16 deaths being reported from that district, 12 from Pendleton, three from Greengate, and seven from Regent Road.

EPIDEMIC INFLUENZA MORTALITY, 1902.

DISTRICT.	Total Deaths	0-5 years.	5-15 years.	15-25 years.	25-65 years.	65 years and upwards
Regent Road.....	7	...	...	2	4	1
Greengate	3	...	...	..	2	1
Pendleton	12	3	1	...	4	4
Broughton	16	1	1	3	10	1
Borough	38	4	2	5	20	7

MEASURES TAKEN TO PREVENT THE SPREAD OF INFECTIOUS DISEASE.

Isolation.—Out of the total, 1,531 cases of infectious disease notified during the year, 959, or 63 per cent., were removed to the Ladywell Sanatorium, and there isolated.

Additional accommodation has been provided at the Ladywell Sanatorium for convalescents, by the erection of two blocks, providing accommodation for 80 patients.

These new blocks were opened in January, 1902.

For small-pox, a permanent administration block—

with two wood and slated pavilions as wards—have been erected at Drinkwater Park, and the new hospital opened for the use of patients on January 10th, 1903.

Disinfection.—All infected bedding has been stoved in the Lyons disinfector at Ladywell.

The Committee have decided to erect a disinfecting station on the site of the old small-pox hospital at Mode Wheel, and at the time of writing a Goddard and Massey disinfector has been erected, and is being used for bedding and clothing from small-pox cases.

During the year 30 schools were disinfected in consequence of the prevalence of typhus, measles, scarlet fever, and diphtheria.

Bacteriology.—492 specimens in suspected cases of enteric fever, diphtheria, and phthisis have been sent to Professor Delepine, of the Owens College, for examination, and the following is the result of the work done during the year 1902 :—

Enteric Fever.—238 examinations made, positive reactions obtained 85, or 35·7 per cent. of the whole.

Diphtheria.—208 examinations made, and the specific bacilla were found in 84 cases, or 40·4 per cent. of the whole.

Phthisis.—46 tests were made, and tubercle bacilli were found in 15 cases, or 32·6 per cent. of the whole.

PART III.

WORK OF THE HEALTH DEPARTMENT



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WORK OF THE HEALTH DEPARTMENT.

The staff at present consists of a qualified Veterinary Surgeon and 15 Inspectors, including one Female Inspector; also seven Female Visitors working jointly with this Department and the Ladies' Health Society.

Systematic Inspection and Abatement of Nuisances.—The systematic inspection of the Borough was conducted during the year 1902, on the same lines as in previous years, and with satisfactory results. The result of the inspections may be gathered from a perusal of the "Register of Work Done," which is to be found at the end of this section of the report. It shows that the number of complaints received at the office of the department was 1,858, as compared with 1,856 received in 1901; also that 29,691 dwelling-houses were inspected during the year, and that 74 cases of overcrowding were abated. 1,963 house-drains were repaired, 1,989 were reconstructed, 283 properly trapped, 43 waste pipes disconnected from drains, and also 198 rain-water pipes. In respect to water-closets, 1,572 new ones were provided, and one was properly ventilated, 25 soil pipes were also ventilated. 276 houses were closed as unfit for human habitation, 305 seizures were made of meat unfit for food, which included animals that had died in transit to the market, and 785 samples of food were purchased for the purpose of analysis.

Artizans' Dwellings.—These tenements, 69 in number, situated between King Street and Queen Street, Salford, have maintained their popularity. Although there have been many removals during the year, the tenements have again been occupied without delay, and very little loss of rent has been caused in this particular.

RECEIPTS. 1902.			EXPENDITURE. 1902.		
	£	s. d.		£	s. d.
Weekly Rents	785	14 3	General Expenditure...	401	17 4
Balance	178	17 8	Interest and Sinking		
			Fund on Building ...	562	14 7
	<u>£964</u>	<u>11 11</u>		<u>£964</u>	<u>11 11</u>

Artizans' Cottages.—These Cottages, 36 in number, are situated between King Street and Queen Street, Salford, and have been almost constantly occupied.

RECEIPTS. 1902.			EXPENDITURE. 1902.		
	£	s. d.		£	s. d.
Weekly Rents	549	19 0	General Expenditure ...	163	10 6
			Interest and Sinking		
			Fund	367	8 11
			Balance	18	19 7
	<u>£549</u>	<u>19 0</u>		<u>£549</u>	<u>19 0</u>

Common Lodging Houses.—There were 39 Common Lodging Houses on the register at the end of the year, namely, 8 in the Regent Road District, 26 in Greengate District, and 5 in Pendleton District. These houses contain 241 rooms, and accommodate 1,231 lodgers. 6,437 inspections have been made, 5,845 in the day time, and 592 at night.

Model Lodging House, Bloom Street, Salford.—The Model Lodging House has been conducted during the

past year in a very satisfactory manner by the Manager, Mr. A. W. Bell.

The increase in the charges to 6d. per bed per night, or 2s. 9d. per week, which I reported last year, has been maintained, and there has been no falling off in the popularity of the Institution.

RECEIPTS. 1902.				GENERAL EXPENDITURE. 1902.			
	£	s.	d.		£	s.	d.
Rents	2,282	6	3	General Expenditure..	1,718	11	11
Balance	583	18	7	Sinking Fund Instal-			
				ment and Interest..	1,147	12	11
	<u>£2,866</u>	<u>4</u>	<u>10</u>		<u>£2,866</u>	<u>4</u>	<u>10</u>

COMMON LODGING HOUSES IN GREENGATE FOR THE YEAR 1902.

Number of Lodging-houses.....	26
Number of Beds	1,015
Average Number of Occupants	85.2
Number of Deaths	56
Death Rate per 1,000.....	65.7

Tuberculosis in Milk.—Under the powers obtained in the Salford Improvement Act of 1899, 24 samples of milk have been taken in the course of delivery and submitted to Professor Delepine of the Owens College. Of these 5 or 20.8 per cent. were found to cause tuberculosis.

In connection with these 5 cases Mr. Fordham visited three farms and examined 76 cows. In two cases he found that cows had been slaughtered in the period intervening between the taking of the sample and his visit to the farm after Professor Delepine's report had been received. He took samples of the milk of five additional cows which were more or less suspicious, and four of these proved to cause tuberculosis.

It is interesting to note that in connection with each sample originally found by Professor Delepine to cause tuberculosis, either a cow was destroyed before we could see it, or Mr. Fordham found a cow actually giving tuberculosis milk.

There were no prosecutions under the Act during the year.

SAMPLES OF MILK PROCURED FOR BACTERIOLOGICAL EXAMINATION DURING 1902.

Samples taken by Inspector Crossley	24
Number found to be tuberculous... ..	5
" " not to be tuberculous	19
Farms visited outside Salford by Mr. Fordham	3
Samples taken from suspected cows by Mr. Fordham ..	3
Number found to be tuberculous... ..	2
" " non-tuberculous	1
Cows which died or were destroyed after Mr. Fordham's visit	4
Cows destroyed between taking of samples by Inspector Crossley and visit to farm by Inspector Fordham ...	2
Farms and shippens visited in Salford by Mr. Fordham...	2
Samples taken from suspected cows by Mr. Fordham ...	2
Number found to be tuberculous	2
" " non-tuberculous... ..	0
Tuberculous cow condemned and destroyed	0
No. of cows in dairies outside Salford represented	76
" " inside " "	16

FACTORY AND WORKSHOPS ACT, 1901.

Workshops.—There were 540 Workshops on the register in 1902; 98 were newly registered, and 92 were cancelled during the year. 13 new water-closets have been provided. 3,537 inspections have been made during the year. 43 cleansing notices were issued.

Water closet Accommodation in Factories.—Three

complaints were received from the Factory Inspector in reference to insufficient water-closet accommodation, and two notices were issued and complied with. In the other case considerable alteration is proposed to the premises, and plans, I understand, have been submitted. 40 new water-closets were provided.

Means of Escape in Case of Fire.—Four complaints were received in reference to buildings being deficient of means of escape. In one case the building was found to be dangerous and was closed; in one case satisfactory means of escape were provided; in another the danger was removed; and in the last the number employed was below that specified in the Act.

Tenement Workshops.—Eight out of the number of Workshops specified are Tenement Workshops.

LIST OF WORKSHOPS-

Dressmakers and Mantle-		Shirt Makers	7
makers	68	Waterproof Makers	5
Tailors	49	Underclothing Makers.....	10
Shoemakers and Repairers	100	Umbrella Makers.....	2
Cloggers	29	Rag Sorters	9
Tinplate Workers	10	Coffin Makers and Shrouds	7
Coopers	11	File Cutters	3
Plumbers	23	Locksmiths	7
Carpenters and Cabinet-		Blacksmiths	8
makers	47	Ticket Printers.....	3
Milliners	15	Pickle Makers	4
Laundries.....	15	Cart Sheet Makers	3
Wheelwrights	13	Farriers	3
Brushmakers	6	Coach Makers	4
Saddlers	5	Miscellaneous	63
Chemists' Sundries	7		
Tripe Dressers.....	4	TOTAL.....	540

Water-closet Accommodation and Sanitary Defects in Workshops.—Eight complaints were received from the Factory Inspector in reference to insufficient accommodation and other sanitary defects in Workshops, 8 notices were issued and complied with from these complaints and 5 new water-closets were provided. 7 other notices were issued independent of these complaints and complied with and 8 other new water-closets were provided. 43 notices were issued by the Medical Officer of Health for lime-washing of Workshops. 41 were complied with and proceedings were taken in one case.

Domestic Workshops.—The total number of Domestic Workshops placed on the Register during the year has been 119, and 3 have been discontinued. 206 inspections were made.

DOMESTIC WORKSHOPS.

Dressmakers	54	Underclothing.....	2
Tailors	14	Boot Repairers	2
Milliners	12	Corsets	1
Shoemakers	9	Children's Costumes	1
Cloggers	7	Smith	1
Shirtmakers	4	Trussmaker	1
Umbrellas	3	Saddler	1
Feather Cleaners and Dyers	3		
Pinafores	2		
Hosiery	2		
			119

Outworkers.—365 Outworkers were notified during the year. 16 of these were found to be already registered as Workshops, 15 were found to be unregistered Workshops and were placed on the Register, and 23 were found to be Domestic Workshops. The remainder appear to come under the heading of Part 2, Section 114.

The Outworkers generally are employed on Shirt-making, Dress-making, Pinafore-making, Umbrella-

making, and some Tailoring and Clogging; those under Part 2, Section 114 are almost without exception employed on Shirt and Pinafore-making.

15 notices referring to dirty walls, ceilings, or floors were issued and complied with, but generally the houses of Outworkers are situated in good working-class neighbourhoods and very rarely in anything approaching slum property, and it is very evident that employers know the neighbourhoods and select their employees from such districts.

In no case was it necessary, during the year, to take action in case of Infectious Disease.

738 Inspections were made.

Bakehouses.—The total number of Retail Bakehouses on the Register during the year is 167, of which 57 are underground. Six Bakehouses have been discontinued. 37 new Bakehouses were registered during the year.

There were 5 notices issued on Bakehouses during the year which were complied with. 200 males and 141 females are employed.

1,591 Inspections were made.

Shop Hours Act.—There were 597 shops on the register in which young persons under 18 years of age were employed. This number is a decrease of 44 for the year 1902; and the number of young persons employed therein shows a decrease of 88 as compared with the year 1901.

Smoke Nuisance.—During the year 1902, 2,053 smoke observations have been made, as against 2,018 in the year 1901, and 1,610 in the year 1900.

105 stokers and others were cautioned by the Inspector for negligence in firing the furnaces under their charge;

at the same time, 74 firms were reported to, and dealt with by the Health Committee.

TABLE SHOWING THE NUMBER OF HALF-HOURLY OBSERVATIONS
TAKEN DURING THE YEAR 1902.

Minutes of Black Smoke emitted in half-an-hour.	No. of Observations taken.	Percentage to Total.
No Black Smoke	589	28·5
One Minute	850	41·2
Two Minutes	472	22·9
Three Minutes	79	3·8
Over Three Minutes	74	3·6
Total Observations taken	2064	...

One large chimney is in course of erection and several chimneys have been raised during the year, particularly in connection with Bakehouses and Laundries.

Particulars as to smoke nuisances caused by firms and firemen during the year 1902 and dealt with by the Health Committee.

17 firms were summoned and fined in the aggregate, £41 10s.

One firm was proceeded against and the summons was dismissed.

Two firms were proceeded against and the summonses were allowed to be withdrawn on payment of costs.

Seven firemen were summoned and fined in the aggregate, £8 10s.

Two firemen were summoned, but it was found that the firms by whom these men were employed were responsible, so that the summonses against these men were withdrawn.

27 firms were excused (not having previously offended) on the promise to make alterations and abate the nuisance.

Diseases of Animals.—The Borough has been free from Foot and-Mouth Disease and Pleuro-Pneumonia during the year 1902.

One outbreak of Swine Fever occurred on the 28th of January, on the premises of Wm. Cavanagh, Tontine Street, Cross Lane, Salford. Three pigs were found dead and three were slaughtered. This outbreak was reported to the Board of Agriculture.

No outbreak of Glanders or Farcy occurred during the year.

No case of Sheep Scab was reported.

One case of Anthrax occurred on the farm of Mr. John Evans, Claremont, Pendleton.

Rabies.—One dog was killed by the police suspected of Rabies, and one live dog was kept under observation but in neither cases was any trace of Rabies found.

Parasitic Mange.—In consequence of an outbreak of this disease being reported in November by Inspector Fordham, application was made to the Board of Agriculture for an Order to enable the Corporation to deal with this disease, and such Order was granted and came into operation on February 3rd, 1903.

Slaughter Houses.—There are 21 licensed slaughter-houses in use at the present time, against 25 at the end of 1901. The slaughter-houses are kept under inspection by the Veterinary Inspector, assisted by the District Inspectors, and have been kept in good condition during the year.

Shippons.—There are 14 shippons in use at present, being one less than in the previous year. They are

regularly inspected, and generally kept in a sanitary condition.

Offensive Trades.—The following is a list of the noxious trades in operation in the Borough.

Nature of Trades.	No. of Trades in the Districts and Borough.					Discontinued. Newly Registered.	
	Regent Road.	Green-gate.	Pendle-ton.	Brough-ton.	Borough.		
Tripe Dressing..	4	2	3	0	9	...	...
Soap Works ...	2	1	2	0	5	...	...
Oil and Tallow...	0	3	1	1	5	1	...
Tanneries	0	1	1	0	2	...	...
Varnish and Tar.	2	4	1	0	7	1	1
Skin Mat Makers	2	0	1	0	3	...	...
Paper Works ...	2	0	0	1	3	...	...
Floor Cloth.....	0	2	0	0	2	...	...
Chemical.....	3	1	2	0	6	...	...
Rubber	1	2	2	0	5	...	...
Rop Cleaning .	2	1	0	0	3	...	...
Telegraph Cable	0	2	0	0	2	..	...
Candle Makers..	1	0	0	0	1	...	...
Totals	19	19	13	2	53	2	1

MONTHLY SEIZURES OF UNWHOLESOME MEAT.

Month.	No. of Seizures.	Weight.			
		Tons.	Cwts.	Qrs.	Lbs.
1902.					
January	30	2	8	1	26
February	32	2	11	0	10
March	23	2	7	2	7
April	41	3	14	3	9
May	24	1	8	3	25
June	23	1	19	1	2
July	22	1	1	1	2
August	22	1	10	2	23
September	23	2	19	3	22
October	30	2	6	2	11
November	21	1	13	0	19
December	14	1	2	2	24
Totals.....	305	25	4	2	22

The seizures of meat are mainly the carcasses of animals which have been killed in transit or given up meat. There have, however, been seizures where the Veterinary Inspector considered unwholesome meat was being offered for sale within the Borough.

	Tons.	Cwts.	Qrs.	Lbs.
Carcasses of animals killed in transit	13	6	0	26
Carcasses given up by butcher	7	17	0	22
Seizures of animals reposed in market	1	13	1	24
Seizures of unwholesome meat in shop	0	2	0	2
Seizures of unwholesome meat in stable.....	0	1	2	12
Surrendered fish, tripe, and pickles	1	18	2	6
Amount destroyed through epizootic disease	0	5	2	24
	25	4	2	22

Table showing the kind of food seized, and its weight :—

Kinds.	No. of Seizures.	Weight.			
		Tons.	Cwts.	Qrs.	Lbs.
Mutton	221	11	0	0	7
Beef	42	9	14	1	2
Veal	25	1	10	1	5
Pork	13	1	1	2	2
Fish	1	0	0	2	26
Tripe	2	0	3	2	8
Pickles	1	1	14	1	0
Totals	305	25	4	2	22

PARTICULARS OF DRAINAGE WORK, FROM JANUARY 1ST TO
DECEMBER 31ST, 1902.

Number of tests made.....	769
„ applications	38
„ houses affected by the tests.....	2830
„ notices and reports issued	539
„ notices and reports complied with	517
„ drain inlets opened and cleared	315
„ houses examined after diphtheria and enteric fever	285
„ Drains found defective after examination ...	201

INSANITARY CONDITIONS FOUND.

Defects.	No. of Cases.
Drains wholly or partly choked	308
Drains defectively constructed	609
Gully traps badly laid	94
Drains defectively trapped	118
Waste pipes defectively trapped or connected to drains...	42
Downspouts connected to drains	223
Soil pipes with leaking joints or improperly ventilated ...	71
Defective water-closets.....	75

RE-CONSTRUCTION OF DRAINS AND THE CONSTRUCTION
OF NEW DRAINS.

Number of tests applied	3785
„ houses affected	4717
„ passage drains	188

Canal Boats.—During the year 1902, 428 canal boats were inspected, as against 588 in the year 1901, and 378 in the year 1900.

Of the boats inspected, 45 were found to contravene the Acts and Regulations.

The inspected boats contained 635 men, 171 women, and 120 children under 12 years of age.

The following is a list of defects found in the inspected boats :—

Boats working without certificates	6
Boats of which Numbers or Names were defective.....	6
Cabins dirty	3
Dilapidated	10
Water vessels defective.....	9
Painting and repairing	11
Number of notices served on Owners.....	27

THE HISTORY OF THE
REIGN OF
HIS MOST EXCELLENT
MAJESTY
CHARLES THE FIRST
BY
JAMES HALLAM, ESQ.
OF THE MIDDLE TEMPLE
IN THE FIRST YEAR OF HIS MAJESTY'S REIGN
LONDON
Printed by J. Sturges, at the Sign of the Crown, in St. Dunstons Church-yard, near St. Dunstons Church, in the City of London.
1625.

TABLES.

PART I.

MORTALITY STATISTICS.

TABLE

PART V

MORTALITY STATISTICS

STATISTICAL SUMMARY, 1902.

Population.—Estimated to the		{ Males 108,268 }	Total 224,007
middle of the year		{ Females ... 115,739 }	
Marriages			2,081
Annual Rate of Persons Married per 1,000 of the Population.			18.6
Births	{ Males 3,904 }	Total 7,699	
	{ Females ... 3,795 }		
Annual Rate of Births per 1,000 of the Population.....			33.7
Deaths under One Year of Age per 1,000 Births.....			157
Deaths	{ Males 2,245 }	Total 4,375	
	{ Females ... 2,130 }		
Annual Rate of Mortality per 1,000	{ Males 20.4 }	Total 19.2	
	{ Females ... 18.1 }		
Annual Rate of Mortality per 1,000 from the seven principal Zymotic Diseases			2.6
Excess of Registered Births over Deaths			3,324
Estimated Annual Increase of Population			2,481

Density.—The mean density of the Borough is equal to 43·1 persons per acre:—in Regent Road, 73·9; Greengate, 85·8; Pendleton, 28·4; Broughton, 35·5.

Area.—The Municipal Borough of Salford comprises the Townships of Salford (divided for statistical purposes into the Regent Road and Greengate Districts), Pendleton, and Broughton, and has a total area of 5,202 acres:—in Salford, 1,354 acres (*Regent Road, 964; *Greengate, 390); Pendleton, 2,430; Broughton, 1,418.

Elevation.—The mean elevation of the Borough is 140 feet above sea-level, and varies between 85 feet and 250 feet.

* The areas of the Regent Road and Greengate Districts have been altered in consequence of the alteration made by the Registrar-General in the two registration districts.

TABLE 1.
FOR WHOLE DISTRICT.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES, TOTAL.		Deaths in Public Institutions.	Deaths of Residents registered in District.		DEATHS AT ALL AGES, NETT.	
		Number.	*Rate.	Number.	Rate per 1,000 Births registered.	Number.	*Rate.		Deaths of Residents registered in District.	Deaths of Residents registered beyond District.	Number.	*Rate.
1892	200,833	7190	35.8	1338	186	4913	24.4	713	26	68	4955	24.6
1893	203,015	7047	34.7	1494	211	4848	23.9	691	32	79	4895	24.1
1894	205,220	7041	34.3	1222	174	4284	20.9	720	45	72	4311	21.1
1895	207,449	7456	35.9	1711	229	5312	25.6	823	60	66	5318	25.6
1896	209,703	7470	35.6	1496	200	4836	23.1	769	49	63	4850	23.1
1897	211,981	7454	35.2	1633	219	5064	23.9	772	55	61	5070	23.9
1898	214,284	7475	34.9	1595	213	4880	22.8	829	76	77	4881	22.8
1899	216,612	7378	34.1	1556	211	5205	24.0	892	90	72	5187	23.9
1900	218,965	7299	33.3	1520	208	5588	25.5	1104	104	58	5542	25.3
1901	221,587	6457	29.1	1324	205	4872	22.0	1022	126	56	4802	21.7
Averages for Years } 1892—1901..... }	210,965	7227	34.3	1489	206	4980	23.6	833	66	67	4981	23.6
1902	224,007	7699	†33.7	1211	157	4449	†19.5	935	136	62	4375	†19.2

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

† Calculated on 53 weeks population.

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-Residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

Area of district in acres (exclusive of area covered by water) ... 5,202
Total Population at All Ages 220,957 } At Census
Number of Inhabited Houses 44,001 } of
Average Number of Persons per house 5.02 } 1901.

TABLE 2.

NAMES OF LOCALITIES.	1.—BOROUGH.				2.—REGENT ROAD.				3.—GREENGATE.				4.—PENDLETON.				5.—BROUGHTON.				
	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	
1892.....	200,833	7190	4955	1338	79,341	2906	2059	594	30,072	1221	1015	236	52,311	1890	1195	686	331	39,109	1173	686	177
1893.....	203,015	7047	4895	1494	79,541	2882	2026	625	29,571	1155	928	283	53,769	1817	1232	709	363	40,134	1193	709	223
1894.....	205,220	7041	4311	1222	79,684	2826	1827	562	29,077	1178	809	238	55,272	1885	1022	653	260	41,187	1152	653	162
1895.....	207,449	7456	5318	1711	79,783	3104	2286	786	28,590	1194	967	295	56,810	1895	1311	754	420	42,266	1263	754	210
1896.....	209,703	7470	4850	1496	71,879	2710	1793	575	36,955	1454	1119	311	58,394	2078	1151	787	380	43,375	1228	787	230
1897.....	211,981	7454	5070	1633	71,866	2695	1840	606	35,580	1380	1177	368	60,023	2087	1306	747	439	44,512	1292	747	220
1898.....	214,284	7475	4881	1595	71,797	2640	1745	606	35,112	1332	1085	300	61,696	2176	1274	777	450	45,679	1327	777	239
1899.....	216,612	7378	5187	1556	71,669	2552	1904	634	34,650	1270	1062	265	63,417	2235	1357	864	396	46,876	1321	864	261
1890.....	218,965	7299	5542	1520	71,482	2436	1972	574	34,193	1273	1259	285	65,185	2266	1479	832	435	48,105	1324	832	226
1901.....	221,587	6457	4802	1324	71,435	2139	1713	510	33,743	981	971	241	67,023	2115	1324	794	402	49,386	1222	794	171
Averages of Years 1892-1901.	210,965	7227	4981	1489	74,848	2689	1917	607	32,664	1244	1039	282	59,390	2044	1265	760	388	44,063	1250	760	212
1902.....	224,007	7699	4375	1211	71,229	2538	1420	436	33,468	1285	966	229	68,935	2473	1254	735	363	50,375	1403	735	183

NOTES.—(a.) The separate localities adopted for this table should be areas of which the populations are obtainable from the Census returns, such as wards, parishes, or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district; and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population, this table need not be filled up.

(b.) Deaths of residents occurring beyond the district are to be included in sub-columns c of this table, and those of non-residents registered in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")

(c.) Deaths of residents occurring in public institutions are to be allotted to the respective localities, according to addresses of the deceased.

TABLE 3.

CAUSES OF, AND AGES AT, DEATH DURING THE YEAR 1902.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES).					DEATHS IN PUBLIC INSTITUTIONS.
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.	
Small-pox	1	...	...	...	...	1	...	1	...	...	...	1	...
Measles	156	49	100	6	...	1	...	156	31	46	54	25	6
Scarlet Fever	50	5	34	9	...	2	...	50	13	10	14	13	75
Whooping Cough	118	55	56	7	...	...	...	118	27	34	34	23	1
Diphtheria and Mem- branous Croup	75	4	52	16	3	...	...	75	25	11	25	14	65
Croup	7	2	3	2	...	...	...	7	1	2	3	1	...
Fever { Typhus	12	...	...	...	1	11	...	12	...	1	10	1	12
Enteric	48	1	5	6	11	25	...	48	14	9	18	7	39
Other Continued	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	38	3	1	2	5	20	7	38	7	3	12	16	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea (See notes at foot)	144	111	26	...	...	4	3	144	57	37	38	12	11
Enteritis (See notes at foot)	82	65	9	...	2	6	...	82	48	3	21	10	1
Puerperal Fever	6	...	...	...	...	6	...	6	2	...	2	2	3
Erysipelas	9	3	2	1	...	3	...	9	4	4	1	...	4
Other Septic Diseases	7	2	1	...	...	3	1	7	2	1	1	3	1
Phthisis	380	8	11	10	58	286	7	380	112	111	87	70	95
Other Tubercular Diseases	159	58	63	19	7	11	1	159	50	37	46	26	12
Cancer, Malignant Disease	166	...	...	1	...	120	45	166	42	39	49	36	41
Bronchitis	490	116	35	2	3	169	165	490	159	109	140	82	86
Pneumonia	477	100	103	21	33	186	34	477	141	131	124	81	97
Pleurisy	6	...	1	...	2	3	...	6	2	1	2	1	1
Other Diseases of Respira- tory Organs	19	2	11	...	...	5	1	19	5	4	9	1	4
Alcoholism	45	...	...	...	...	41	4	45	14	12	5	14	12
Cirrhosis of Liver	16	13	1	...	...	2	...	16	8	5	3	...	1
Veneral Diseases	166	166	...	...	...	...	...	166	56	29	53	28	5
Premature Birth	20	1	...	...	...	19	...	20	8	1	7	4	2
Diseases and Accidents of Parturition	331	8	2	9	22	197	93	331	123	65	84	59	65
Heart Diseases	123	30	22	12	4	40	15	123	51	24	39	9	35
Accidents	14	...	...	...	1	12	1	14	5	1	5	3	5
Suicides	1210	409	101	44	41	364	251	1210	413	236	368	193	256
All other causes	4375	1211	639	167	193	1537	628	4375	1420	966	1254	735	935

NOTES.—(a.) The deaths of residents occurring beyond the limits of the district are to be included in this table, and deaths of non-residents occurring in the district are to be excluded.

(b.) Deaths of residents occurring in public institutions are to be allotted to the respective localities according to the addresses of the deceased as given by the Registrars, and, in addition, to be classified under "Public Institutions."

(c.) Under the heading of "Diarrhoea" are to be included deaths certified as from diarrhoea, alone or in combination with some other cause of ill-defined nature; and also deaths certified as from

Epidemic Enteritis;
Zymotic Enteritis;
Epidemic Diarrhoea. Summer Diarrhoea;
Dysentery and Dysenteric Diarrhoea;
Choleraic Diarrhoea, Cholera, Cholera Nostris (in the absence of Asiatic Cholera).

Under the heading of "Enteritis" are to be included those certified as from Gastro-enteritis, Muco-enteritis, and Gastric Catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, especially those of infants, under the specific term "Diarrhoea."

Deaths from Diarrhoea secondary to some other well-defined disease should be included under the latter.

TABLE 4.
ESTIMATED POPULATION, AND ANNUAL RATES OF MORTALITY, AT ALL AGES, AND AT FIVE GROUPS OF AGES,
IN THE FIFTY-THREE WEEKS OF THE YEAR 1902.

	PERSONS.			MALES.			FEMALES.		
	Estimated Population, 1902.	Deaths, 1902	Rate per 1,000, 1902*.	Estimated Population, 1902.	Deaths, 1902.	Rate per 1,000, 1902*.	Estimated Population, 1902.	Deaths, 1902.	Rate per 1,000, 1902*.
All Ages	224,007	4,375	19.2	108,268	2,245	20.4	115,739	2,130	18.1
Under 5 Years ...	26,947	1,850	67.4	13,354	977	71.8	13,593	873	63.0
5 to 15 " ...	47,391	167	3.5	23,578	91	3.8	23,813	76	3.1
15 to 25 " ...	45,944	193	4.1	21,911	89	4.0	24,033	104	4.2
25 to 65 " ...	97,206	1,537	15.5	46,809	822	17.2	50,397	715	13.9
65 and upwards...	6,519	628	94.5	2,616	266	99.8	3,903	362	91.0

* Calculated on 53 weeks population.

POPULATION, DENSITY, ANNUAL RATES OF BIRTHS, MARRIAGES, AND
REGISTRATION SUB-DISTRICTS, IN EACH

Year.	POPULATION (estimated to the middle of each year).					DENSITY (persons per acre).				
	Borough.	Regent Road.	Green- gate.	Pendle- ton.	Brough- ton.	Boro'.	Regent Road.	Green- gate.	Pendle- ton.	Brough- ton.
1861	102,920	33,756	37,519	21,649	9,996	19'9	31'7	142'8	9'0	7'0
1862*	104,975	34,928	37,458	22,139	10,450	20'3	32'7	142'4	9'2	7'3
1863	107,075	36,134	37,389	22,636	10,916	20'7	33'9	142'2	9'4	7'7
1864	109,262	37,374	37,313	23,182	11,393	21'1	35'0	141'8	9'6	8'0
1865	111,393	38,646	37,231	23,633	11,883	21'6	36'2	141'5	9'8	8'3
1861-65	107,125	36,167	37,382	22,648	10,928	20'7	33'9	142'1	9'4	7'7
1866	113,614	39,949	37,144	24,136	12,385	22'0	37'4	141'2	10'0	8'7
1867	115,885	41,294	37,045	24,644	12,902	22'4	38'7	140'8	10'2	9'1
1868*	118,198	42,674	36,941	25,152	13,434	22'9	40'0	140'4	10'4	9'4
1869	120,526	44,087	36,823	25,658	13,968	23'3	41'3	140'0	10'6	9'8
1870	122,965	45,551	36,704	26,177	14,533	23'8	42'7	139'4	10'8	10'2
1866-70	118,238	42,711	36,931	25,153	13,444	22'9	40'0	140'4	10'4	9'4
1871	125,890	47,195	36,517	26,920	15,258	24'3	44'2	138'8	11'1	10'7
1872	130,301	49,301	36,145	28,357	16,498	25'2	46'3	137'4	11'7	11'6
1873*	134,883	51,463	35,747	29,847	17,826	26'1	48'3	135'7	12'4	12'5
1874	139,618	53,670	35,319	31,386	19,243	27'0	50'3	134'3	13'0	13'5
1875	144,518	55,921	34,868	32,977	20,752	27'9	52'4	132'6	13'6	14'6
1871-75	135,042	51,510	35,719	29,897	17,916	26'1	48'3	135'8	12'4	12'6
1876	149,591	58,219	34,393	34,617	22,362	28'9	54'7	130'6	14'3	15'7
1877	154,842	60,561	33,898	36,308	24,075	29'9	56'8	128'8	15'0	16'9
1878	160,277	62,945	33,379	38,054	25,899	31'0	59'1	126'9	15'8	18'2
1879*	165,899	65,371	32,843	39,848	27,837	32'1	61'4	124'9	16'5	19'5
1880	171,727	67,839	32,291	41,697	29,900	33'2	63'6	122'8	17'2	21'0
1876-80	160,467	62,987	33,361	38,105	26,014	31'0	59'1	126'8	15'8	18'3
1881†	177,760	70,346	31,725	43,598	32,091	34'4	66'0	120'6	18'0	22'5
1882†	179,855	71,237	31,632	44,307	32,679	34'8	66'8	120'2	18'3	22'9
1883†	181,951	72,128	31,540	45,016	33,267	35'2	67'6	120'0	18'6	23'3
1884*†	184,047	73,019	31,447	45,725	33,856	35'6	68'5	119'6	18'9	23'7
1885†	186,142	73,911	31,353	46,434	34,444	36'0	69'4	119'2	19'2	24'2
1881-85†	181,951	72,128	31,540	45,016	33,267	35'2	67'6	120'0	18'6	23'3
1886†	188,238	74,802	31,261	47,143	35,032	36'4	70'4	118'8	19'5	24'6
1887†	190,334	75,693	31,168	47,852	35,621	36'8	71'0	118'5	19'8	25'0
1888†	192,429	76,584	31,075	48,561	36,209	37'2	71'9	118'2	20'1	25'4
1889†	194,525	77,476	30,982	49,270	36,797	37'6	72'8	117'8	20'4	25'8
1890*†	196,621	78,368	30,889	49,979	37,385	38'1	73'6	117'4	20'7	26'2
1886-90†	192,429	76,585	31,075	48,561	36,208	37'2	71'9	118'2	20'1	25'4
1891†	198,775	79,341	30,579	50,891	37,964	38'3	74'5	116'2	21'1	26'6
1892†	200,833	79,341	30,072	52,311	39,109	38'7	74'5	114'3	21'7	27'4
1893†	203,015	79,541	29,571	53,769	40,134	39'1	74'7	112'4	22'3	28'1
1894†	205,220	79,684	29,077	55,272	41,187	39'5	74'9	110'6	22'9	28'9
1895†	207,449	79,783	28,590	56,810	42,266	39'9	75'0	108'7	23'5	29'6
1891-95†	203,058	79,538	29,578	53,811	40,132	39'1	74'7	112'4	22'3	28'1
1896*†	209,703	71,879	36,055	58,394	43,375	40'4	75'3	92'5	24'1	30'4
1897†	211,981	71,866	35,580	60,023	44,512	40'8	75'3	91'2	24'8	31'2
1898†	214,284	71,797	35,112	61,696	45,679	41'3	75'2	90'0	25'4	32'0
1899†	216,612	71,669	34,650	63,417	46,876	41'7	75'1	88'9	26'2	32'9
1900†	218,965	71,482	34,193	65,185	48,105	42'2	74'9	87'7	26'9	33'7
1896-1900†	214,309	71,739	35,118	61,743	45,709	41'3	75'2	90'1	25'5	32'0
1901†	221,587	71,435	33,743	67,023	49,386	42'6	74'8	86'5	27'6	34'6
1902*†	224,007	71,229	33,468	68,935	50,375	43'1	73'9	85'8	28'4	35'5

* In the years 1862, 1868, 1873, 1879, 1884, 1890, 1896, and 1902 the facts are those registered in
† Corrected after the results of the Census.

‡ Calculations have been made on the Populations of the areas of the Regent Road and

DEATHS, IN THE COUNTY BOROUGH OF SALFORD, AND IN ITS FOUR
OF THE FORTY-TWO YEARS, 1861-1902.

ANNUAL RATES PER 1,000 OF THE POPULATION.											Year.
MARRIAGES.	BIRTHS.					DEATHS.					
Registration Districts.	Boro'.	Regent Road.	Green-gate.	Pendle-ton.	Brough-ton.	Boro'.	Regent Road.	Green-gate.	Pendle-ton.	Brough-ton.	
11'9	39'7	40'0	43'9	38'0	26'9	24'6	27'8	26'1	21'8	13'8	1861
10'2	39'0	38'7	42'5	39'4	25'9	25'3	29'4	27'8	19'6	14'7	1862
11'7	38'0	37'9	42'0	37'0	26'9	26'0	28'3	29'1	22'5	15'0	1863
12'7	38'6	37'3	44'3	38'2	24'7	26'5	28'7	31'0	21'7	14'6	1864
12'9	37'8	37'3	42'8	36'2	26'4	29'1	32'3	32'8	25'2	14'8	1865
11.9	38.6	38.2	43.1	37.8	26.2	26.3	29.3	29.4	22.2	14.6	1861-65
13'4	37'9	38'5	42'8	35'6	25'9	28'8	32'2	33'9	23'0	13'6	1866
14'3	39'0	40'7	42'2	37'0	28'2	28'2	31'9	31'9	22'8	15'7	1867
13'3	39'3	38'5	43'5	40'4	27'9	30'5	34'3	33'0	28'7	14'9	1868
14'1	38'9	39'1	43'2	38'3	27'6	26'4	29'2	29'2	23'3	15'8	1869
14'1	39'6	41'7	43'1	36'3	30'3	25'8	30'4	27'3	21'3	15'3	1870
13.8	38.9	39.7	43.0	37.5	28.0	27.9	31.6	31.1	23.8	15.1	1866-70
14'6	40'7	43'6	44'2	39'4	26'2	30'3	34'9	32'4	27'2	16'2	1871
15'1	41'4	45'3	44'1	35'7	34'0	25'3	28'9	28'8	20'4	15'6	1872
14'3	41'5	43'7	43'0	40'5	34'1	28'3	32'2	30'1	26'6	16'7	1873
16'2	42'1	45'9	40'9	37'3	41'8	28'2	32'6	29'2	24'9	19'5	1874
17'5	44'4	48'9	41'0	40'9	43'5	29'5	34'8	32'0	23'7	20'6	1875
15.5	42.0	45.5	42.6	38.8	35.9	28.3	32.7	30.5	24.6	17.7	1871-75
20'5	45'5	47'7	43'3	44'1	45'3	29'5	34'5	30'2	24'9	22'4	1876
19'6	44'4	47'0	40'7	43'1	44'7	26'3	31'8	26'3	21'9	19'6	1877
17'9	44'7	46'5	42'5	42'9	45'6	27'1	29'8	28'8	23'6	23'2	1878
15'2	43'0	45'5	40'9	42'5	40'0	26'7	27'5	31'6	24'7	21'5	1879
16'6	41'4	41'3	41'6	42'7	39'5	27'9	31'5	33'2	23'3	20'6	1880
18.0	43.8	45.6	41.8	43.1	43.0	27.5	31.0	30.0	23.7	21.7	1876-80
16'4	38'8	40'2	39'2	38'9	34'7	22'5	24'8	24'9	21'5	16'5	1881
16'9	39'7	41'7	40'6	38'6	35'5	23'7	25'6	28'9	21'0	17'9	1882
16'1	37'3	39'9	38'5	35'2	33'0	23'6	25'8	28'6	21'3	17'0	1883
16'1	38'8	40'3	41'3	36'5	36'5	24'4	26'3	28'4	22'4	19'1	1884
16'1	37'6	40'2	36'7	36'3	34'4	23'0	25'1	28'1	20'7	17'0	1885
16.3	38.4	40.5	39.2	37.1	34.8	23.4	25.5	27.8	21.4	17.5	1881-85
15'3	38'5	39'5	40'3	37'3	36'0	24'8	26'7	30'3	22'1	19'4	1886
15'4	36'6	38'7	37'0	35'5	32'9	25'5	26'2	33'0	24'0	19'4	1887
15'2	37'1	37'7	38'6	37'5	34'1	24'8	27'7	28'2	23'5	17'7	1888
16'7	35'9	37'0	38'1	35'5	32'4	25'1	27'4	28'9	23'6	18'9	1889
17'5	36'1	38'0	38'0	35'9	30'8	27'7	28'9	36'4	25'0	21'6	1890
16.0	36.8	38.2	38.4	36.3	33.2	25.7	27.5	31.5	23.8	19.5	1886-90
18'1	36'3	37'5	38'7	36'4	31'8	26'0	26'8	32'6	25'4	19'5	1891
16'7	35'8	36'6	40'6	36'1	30'0	24'6	26'0	33'8	22'8	17'5	1892
16'2	34'7	36'2	39'1	33'8	29'8	24'1	25'5	31'4	22'9	17'7	1893
17'1	34'3	35'5	40'5	34'1	28'0	21'1	23'0	27'8	18'5	15'9	1894
17'4	35'9	39'0	41'8	33'3	29'9	25'6	28'7	33'8	23'1	17'8	1895
17.1	35.4	37.0	40.1	34.7	29.9	24.3	26.0	31.9	22.5	17.5	1891-95
18'1	35'6	37'7	40'3	35'6	28'3	23'1	25'0	31'0	19'7	18'1	1896
18'6	35'2	37'5	38'8	34'8	29'0	23'9	25'6	33'1	21'8	16'8	1897
18'6	34'9	36'8	37'9	35'3	29'1	22'8	24'3	30'9	20'7	17'0	1898
18'7	34'1	35'6	36'6	35'2	28'2	23'9	26'6	30'6	21'4	18'4	1899
17'3	33'3	34'1	37'3	34'8	27'5	25'3	27'6	36'8	22'7	17'3	1900
18.3	34.6	36.3	38.2	35.1	28.4	23.8	25.8	32.5	21.3	17.5	1896-00
17'8	29'2	30'0	29'1	31'6	24'8	21'7	24'0	28'8	19'8	16'1	1901
18'6	33'7	35'0	37'7	35'2	27'3	19'2	19'6	28'3	17'9	14'3	1902

53 instead of 52 weeks; corrections have therefore been made in calculating the rates,

Greengate Districts as revised by the Registrar-General.

TABLE 6.

BIRTHS IN THE COUNTY BOROUGH OF SALFORD AND IN ITS REGISTRATION

SUB-DISTRICTS, DISTINGUISHING DEATHS OF LEGITIMATE AND

ILLEGITIMATE INFANTS UNDER ONE YEAR OLD.

IN THE 53 WEEKS OF THE YEAR 1902.

	Births.		Percentage of Illegitimate Births to Total Births.	Deaths under One Year.		Proportion of Deaths under One Year per 1,000 Births.		
	Total.	Illegit.		Total.	Illegit.	Total.	Legit.	Illegit.
Borough.....	7699	272	3.5	1211	77	157	153	283
Regent Road District ...	2538	88	3.5	436	26	172	167	295
Greengate ,,	1285	61	4.7	229	15	178	175	246
Pendleton ,,	2473	86	3.5	363	26	147	141	302
Broughton ,,	1403	37	2.6	183	10	130	127	270

CORRESPONDING DATA FOR THE TEN YEARS 1892-1901.

Borough.....	72654	2541	3.5	15518	980	214	207	386
Regent Road District ...	27137	876	3.2	6279	389	231	224	444
Greengate ,,	12398	578	4.7	2952	218	238	231	377
Pendleton ,,	20436	718	3.5	4070	243	199	194	339
Broughton ,,	12683	369	2.9	2217	130	175	169	352

TABLE 7.

POPULATIONS, DEATHS, AND RATES, FOR THE COUNTY BOROUGH OF
SALFORD FOR THE YEARS 1844 TO 1860.

Year.	Population.	Deaths.	Rate per 1000.
1844	75414	1860	24·6
1845	77144	1831	23·8
1846	78874	2576	32·7
1847	80604	2254	28·0
1848	82334	2462	29·9
1849	84064	2577	30·6
1850	85794	2215	25·8
1851	87523	2198	25·1
1852	89304	2487	27·9
1853	91085	2461	27·0
1854	92866	2650	28·5
1855	94647	2527	26·7
1856	96428	2290	23·7
1857	98209	2517	25·6
1858	99990	2986	29·8
1859	101771	2484	24·6
1860	103552	2476	24·0

TABLE 8.

ANNUAL RATES PER 1,000 LIVING IN EACH OF THE REGISTRATION
SUB-DISTRICTS OF SALFORD, IN THE 53 WEEKS OF THE
YEAR 1902, AS COMPARED WITH THE ANNUAL
RATES IN THE PREVIOUS YEAR.

REGISTRATION SUB-DISTRICTS.	ANNUAL RATE OF MORTALITY AT ALL AGES FROM											
	Births.		Deaths. All Causes.		Seven Principal Zymotic Diseases.		Phthisis.		Cancer.		Nervous Diseases.	
	1901.	1902.	1901.	1902.	1901.	1902.	1901.	1902.	1901.	1902.	1901.	1902.
REGENT RD.	30.0	35.0	24.0	19.6	4.5	2.3	2.0	1.5	0.7	0.6	2.2	2.2
GREENGATE.	29.1	37.7	28.8	28.3	5.6	4.3	3.5	3.3	0.7	1.1	2.3	2.8
PENDLETON.	31.6	35.2	19.8	17.9	4.5	2.7	1.0	1.2	0.7	0.7	1.7	1.9
BROUGHTON.	24.8	27.3	16.1	14.3	2.6	1.9	1.4	1.4	0.8	0.7	1.6	1.3
BOROUGH ...	29.2	33.7	21.7	19.2	4.2	2.6	1.8	1.7	0.7	0.7	1.9	2.0

REGISTRATION SUB-DISTRICTS	AT ALL AGES FROM								Deaths under One Year per 1000 Births.	
	Heart Diseases.		Diarrhœa.		Acute Lung Diseases.		Tubercular Diseases.			
	1901.	1902.	1901.	1902.	1901.	1902.	1901.	1902.	1901.	1902.
REGENT ROAD	1.6	1.7	1.9	0.8	4.7	4.2	2.8	2.2	238	172
GREENGATE	2.4	1.9	2.8	1.1	6.2	7.1	4.3	4.3	246	178
PENDLETON	1.2	1.2	2.1	0.5	4.0	3.8	1.6	1.9	190	147
BROUGHTON	1.3	1.1	0.8	0.2	2.8	3.2	1.9	1.9	140	130
BOROUGH	1.5	1.4	1.9	0.6	4.3	4.3	2.5	2.4	205	157

TABLE 9.

AVERAGE ANNUAL RATES OF MORTALITY PER 1,000 LIVING AT CERTAIN
AGE-GROUPS IN THE YEAR 1902, AND AT ALL AGES IN THE
QUINQUENNIAL PERIODS 1888 to 1892 AND 1893 to 1897.

CAUSES OF DEATH.	At all Ages.			Annual Death-Rates in the Year 1902, at the following Age-Groups, and from certain diseases.				
	Quinquennial Means.		Year.	Under 5 years.	5-15.	15-25.	25-65.	65-
	1888 to 1892.	1893 to 1897.						
All Causes	25.7	23.4	19.2	67.4	3.5	4.1	15.5	94.5
Small Pox.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles	0.9	1.1	0.7	5.4	0.1	0.0	0.0	0.0
Scarlet Fever	0.5	0.4	0.2	1.4	0.2	0.0	0.0	0.0
Diphtheria and Membranous Croup	0.6	0.3	0.3	2.0	0.3	0.1	0.0	0.0
Whooping Cough	0.9	0.6	0.5	4.0	0.1	0.0	0.0	0.0
Continued Fever. {	Typhus		0.1	0.0	0.0	0.0	0.1	0.0
	Enteric		0.2	0.2	0.1	0.2	0.3	0.0
	Continued		0.0	0.0	0.0	0.0	0.0	0.0
Diarrhœa and Dysentery ..	1.2	1.7	0.6	5.0	0.0	0.0	0.0	0.5
Puerperal Fever	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Phthisis	2.1	1.8	1.7	0.7	0.2	1.2	2.9	1.1
Other Tubercular Diseases...	1.4	1.2	0.7	4.4	0.4	0.1	0.1	0.1
Diseases of {	Brain		2.0	6.1	0.4	0.2	1.6	15.5
	Heart		1.5	0.4	0.2	0.5	2.0	14.0
	Lungs		4.3	12.9	0.5	0.8	3.6	30.0
	Digestive System		1.0	4.3	0.2	0.2	0.7	2.6
Other Diseases.....	6.7	5.9	5.4	20.4	0.7	0.7	4.1	30.9

TABLE 10.

CERTIFICATION OF THE CAUSES OF DEATH IN THE COUNTY BOROUGH OF
SALFORD, AND ITS FOUR REGISTRATION SUB-DISTRICTS,
IN THE YEAR 1902.

	Total Deaths.	Certified by		Not Certified.	Proportion per cent. of Total Deaths.		
		Registered Medical Practitioners.	Coroner.		Certified by		Not Certified.
					Registered Medical Practitioners	Coroner.	
Borough	4375	4040	317	18	92·4	7·2	0·4
Regent Road District	1420	1303	115	2	91·8	8·1	0·1
Greengate	966	891	70	5	92·3	7·2	0·5
Pendleton	1254	1153	94	7	91·9	7·5	0·6
Broughton	735	693	38	4	94·3	5·2	0·5
CORRESPONDING DATA FOR THE TEN YEARS 1892-1901.							
Borough	49179	45229	3011	939	92·0	6·1	1·9
Regent Road District	18889	17514	974	401	92·7	5·2	2·1
Greengate	10171	8885	1092	194	87·4	10·7	1·9
Pendleton	12627	11740	631	256	93·0	5·0	2·0
Broughton	7492	7090	314	88	94·6	4·2	1·2

TABLE 11.

Mortality from Special Diseases.—Diminution and Excess.—

The following table shows the greater or less fatality of disease in 1902, as compared with their simple decennial average numbers in the Borough:—

Cause of Death.	Diminution in 1902.	Excess in 1902.
Small-pox	1 ...	—
Measles	42 ...	—
Scarlet fever	31 ...	—
Fevers	17 ...	—
Whooping cough.....	19 ...	—
Diphtheria and Membranous Croup.....	— ...	8
Diarrhœal diseases	218 ...	—
Tuberculosis	74 ...	—
Premature births	— ...	21
Brain and nervous diseases	— ...	5
Heart diseases.....	— ...	45
Respiratory diseases	78 ...	—
Urinary diseases	— ...	12
Atrophy and Marasmus	70 ...	—
All other causes	155 ...	—
	705	97
Balance of diminution	608	

TABLE 12.

DEATHS REGISTERED IN THE COUNTY BOROUGH OF SALFORD, FROM ALL CAUSES DURING THE YEAR 1902.

DISEASES.	AGES IN YEARS.																								Total.	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 and upwards							
I. SPEC: FEBRILE, OR ZY-																														
MOTIC DISEASES	312	169	91	45	48	62	21	35	55	60	64	66	64	46	47	28	17	12	6	4	1	1	...	1254	353	83	90	392	24	
II. PARASITIC DISEASES	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...		
III. DIETIC DISEASES	173	8	2	...	...	...	...	...	...	1	2	4	3	3	6	1	1	2	...	...	2	...	208	10	...	...	...	21	4	
IV. CONSTITUTIONAL DISEASES	5	2	1	...	...	...	3	2	3	2	3	9	19	14	24	34	27	25	16	4	3	1	198	3	3	5	132	50		
V. DEVELOPMENTAL Dis:	195	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	6	18	17	24	6	2	271	1	1	...	2	73		
VI. LOCAL DISEASES	458	145	51	27	16	41	26	36	56	68	67	75	96	144	141	139	165	168	147	75	34	14	2190	239	67	92	895	439		
VII. DEATHS FROM VIOLENCE. ...	30	2	8	6	6	7	5	1	4	3	7	13	9	3	5	9	3	5	6	4	1	...	137	22	12	5	52	16		
VIII. DEATHS FROM ILL-DEFIN-																														
ED & NOT SPECIFIED CAUSES.	37	10	1	1	...	...	1	...	1	3	5	4	9	6	6	4	6	7	6	6	3	...	116	12	1	1	43	22		
TOTALS	1211	336	154	79	70	111	56	74	119	137	148	171	200	216	229	215	221	199	110	68	22	4	4375	639	167	193	1337	628		
I.—Zymotic Diseases.																														
1. Miasmatic Diseases.																														
Sm: Pox { Vaccinated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Unvaccinated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
No Statement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Measles	49	50	24	15	11	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Scarlet Fever	5	7	9	7	11	6	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Epidemic Influenza	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Whooping Cough	55	31	20	4	1	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Diphtheria	4	14	13	8	12	15	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Asiatic Cholera	1	1	...	2	2	4	2	2	9	11	3	5	5	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
2. DIARRHEAL DISEASES.																														
Diarrhoea, Dysentery	111	24	2	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Other Allied Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
3. ZOOGENOUS DISEASES.																														
Hydroph: Gland: Splenic Fev:	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Cow Pox, Effects of Vaccin: ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
4. VENEREAL DISEASES.																															
Syphilis	13	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	16	1	...	...	2	...		
5. SEPTIC DISEASES.																															
Erysipelas	3	...	1	1	...	1	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	9	2	1	...	3	...		
Puerperal Fever	...	...	...	...	...	...	...	...	3	1	2	...	1	...	...	...	...	...	...	...	...	...	6	...	...	...	6	...	...		
Pyæmia Septicæmia	2	...	1	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	1	...	...	7	1	...	...	3	1	...		
Rheumatic Fever	...	...	...	...	...	1	5	1	4	3	1	2	...	2	1	3	...	...	...	...	...	...	23	...	6	5	12	...	...		
Rheumatism	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	3	1	1	...	...	10	...	...	...	5	...	...		
Phthisis	8	3	2	2	4	6	4	26	32	34	48	50	49	40	39	17	9	4	2	1	...	...	380	11	10	58	286	7	...		
Tuberculosis of Brain	18	15	13	4	4	9	3	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	69	36	12	1	2	...	...		
Tuberculosis of Larynx	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...		
Abdominal Tuberculosis	22	11	3	...	1	1	2	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	42	15	3	1	1	...	...		
General Tuberculosis	...	3	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	7	3	1	1	2	...	...		
Other Forms Tuberculosis	18	6	1	1	1	3	...	1	2	2	4	...	...	...	...	...	1	...	...	...	...	...	40	9	3	3	6	...	...		
Other Infective Diseases	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...		
II.—Parasitic Diseases.																															
Veg: Par: D: (Thrush)	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
III.—Dietic Diseases.																															
Starv: Want Breast Milk	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Atrophy, Debility, Marasmus	173	8	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	2	...	188	10	...	...	1	4	...		
Acute Alcoholism	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	2	...	...	...	2	...	...		
Chronic Alcoholism	...	...	...	...	...	...	...	...	1	2	4	1	3	5	...	...	1	...	...	...	...	...	17	...	...	...	17	...	...		
Peripheral Neuritis	...	...	...	...	...	...	...	...	...	2	2	...	...	...	1	1	...	...	...	...	...	...	6	...	...	...	6	...	...		
Arsenical Poisoning	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...		
IV.—Constitutional Diseases.																															
Purpura Hæmorrhagica	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...		
Gout	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...		
Rickets	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	3	...	...	...	...	...		
Cancer, Malignant Dis:	...	...	...	...	...	...	1	...	1	2	7	17	14	23	31	25	22	15	4	2	1	1	166	...	1	120	45	...			
Anæmia	2	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	6	...	1	2	1	...	...		
Diabetes Mellitus	...	...	...	...	...	...	1	1	3	...	1	2	1	...	...	2	2	2	...	...	...	...	15	...	1	4	8	2	...		
Asteo-Arthritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...		
Hæmophilia	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
V.—Developmental Diseases.																															
Premature Birth	166	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	166	...	...	...	...	...	...		
Debility at Birth	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
Atelectasis	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...	...		
Malform: Congen: Defects	15	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	...	1	...	...	...	...		
Dentition	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	7	...	...	...	...	...		
Old Age	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	6	18	17	24	6	2	75	...	...	2	73	...		

TABLE 12.—(Continued.)

DISEASES.	AGES IN YEARS.																										Total.	1 to 5	5 to 15	15 to 25	25 to 65	and upwards
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 and upwards									
VI.—Local Diseases.																																
1. Dis: of NERVOUS SYSTEM.																																
Convulsions	88	21	7	2		1																			119	30	1					
Meningitis	17	11	9	4	4	11	1	2	1																66	28	12	3				
Encephalitis					1																				1	1						
Apoplexy																									60	29		31				
Softening of Brain																									12	7		5				
Hemiplegia																									34	17		17				
Gen: Paralysis of Insane																									4			4				
Other Forms of Insanity																									55	1		2				
Chorea																									1	2		31				
Cerebral Tumour																									3	1		2				
Epilepsy																									24	1		4				
Laryngismus Stridulus	2																								2			18				
Locomotor Ataxy																									1			1				
Paraplegia																									1			2				
Other Forms, Brain Disease	1					3		1				1	4	8	6	5	10	9	9	6	2	1			75	3	1	43				
2. Dis: of ORG: SPECIAL SENSE.																																
Otitis	5	1						3	1	2															12	1		4				
3. Dis: of CIRCULATORY SYS:																																
Pericarditis																									5			2				
Endocarditis						1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	13	2	3	7				
Angina Pectoris																									1			1				
Aneurism																									3			3				
Embolism, Thrombosis																									6			3				
Other Dis: Heart and Vessels	8	1			1		7	9	8	15	11	17	16	25	30	37	31	28	25	21	9	3	1	303	2	7	17	82				
4. Dis: of RESPIRATORY SYS:																																
Laryngitis	1	5	1	3	1																				11	10						
Croup	2	2	1		2																				7	3	2					
Other Dis: Larynx and Trachea																									1			1				
Acute Bronchitis	114	29	4	1	1	1	1	1	1	1	2	7	23	16	21	36	37	27	16	6	5				357	35	2	2113				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Chronic Bronchitis.....	2	...	...	...	...	...	...	...	1	...	1	1	1	10	12	13	18	22	31	13	6	2	...	133	...	...	1	56	74
Pneumonia	100	60	24	13	6	13	8	11	22	24	21	18	30	33	25	20	15	17	10	6	1	...	477	...	103	21	33	186	34
Emphysema, Asthma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	3	...	...	2	1	...
Pleurisy	...	1	...	...	...	...	...	...	2	...	...	...	...	...	2	1	...	...	...	...	...	...	...	6	...	1	2	3	...
Other Dis: Respiratory System.	1	1	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	4	...	1	...	...	2	...
5. Dis: OF DIGESTIVE SYSTEM.	8	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	...	1	...	...
Diseases of Mouth and Annexa	1	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...
Diseases of Pharynx	...	...	...	...	...	...	...	...	1	...	...	2	...	1	1	...	...	...	...	...	...	...	5	...	2	...	1	4	...
Ulcer of Stomach & Duodenum	24	...	1	...	1	1	1	1	1	1	1	2	1	1	1	2	5	...	1	2	...	...	44	...	2	2	1	12	3
Other Diseases of Stomach	65	7	1	...	1	...	...	...	2	1	2	1	1	1	1	...	1	...	...	...	...	...	82	...	9	2	1	4	...
Enteritis	...	...	...	...	...	1	1	1	1	...	1	...	...	2	...	...	1	...	...	...	...	...	7	...	2	...	3	4	4
Appendicitis	...	2	...	...	...	...	...	2	1	...	1	...	...	2	...	1	1	1	2	1	...	...	15	...	2	...	...	2	1
Obstruction of Intestine	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	5	...	1	...	...	2	1
Other Diseases of Intestine	...	...	...	...	...	...	...	...	...	...	...	2	3	7	4	2	4	...	4	...	...	...	26	...	...	...	...	23	4
Cirrhosis of Liver	4	...	...	...	...	...	...	1	1	...	1	1	1	1	3	1	...	2	...	...	...	...	16	...	...	2	8	2	2
Other Diseases of Liver	1	...	...	...	...	...	...	...	1	1	1	1	1	...	1	1	...	1	1	...	...	...	12	...	5	1	4	1	1
Peritonitis	4	1	...	...	...	3	2	...	1	1	1	1	2	2	1	...	1	...	1	1	...	...	16	...	2	...	...	...	8
Other Dis: Digestive System..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Dis: OF LYMPHATIC SYSTEM AND GLANDS.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lymph: Spleen Dis:	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchocele, Addison's Dis:...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Dis: OF URINARY SYSTEM.	2	1	...	1	...	1	1	1	3	4	4	1	3	4	4	2	7	3	2	1	...	...	45	...	2	2	4	29	6
Acute Nephritis	...	1	...	...	...	2	...	3	...	3	2	4	1	4	6	4	3	2	5	1	...	...	38	...	1	2	...	27	8
Bright's Disease	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	2	...	...	...	...	2	...
Dis: of Bladder and Prostate..	...	...	...	...	...	...	...	...	...	...	...	...	...	3	2	2	2	6	2	...	...	1	18	...	...	...	...	9	9
Other Diseases Urinary System	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Dis: OF REPRODUCTIVE SYS:	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
A. Organs of Generation.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dis: of Uterus and Appendages	...	...	...	...	...	...	...	...	...	1	...	1	2	...	1	...	...	1	...	...	...	...	6	...	...	...	...	5	1
Dis: of Vagina & Ext: Genitals	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
B. of Parturition.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abortion, Miscarriage	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
Puerperal Mania	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
Puerperal Convulsions	...	...	...	...	...	...	...	...	...	2	1	...	1	...	...	...	...	...	...	...	...	...	4	...	...	...	...	4	...
Placenta Prævia, Flooding	...	...	...	...	...	...	...	...	...	3	4	...	2	...	...	...	...	...	...	...	...	...	9	...	...	...	...	9	...
Puerperal Thrombosis	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	...
Other Dis: Preg: & Childbirth	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	3	...	...	...	...	2	...

TABLE 12.—(Continued.)

DISEASES.	AGES IN YEARS.																							Total.	1 to 5	5 to 25	25 to 45	45 to 65	65 and upwards
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90							
9. Dis: of BONES AND JOINTS. Arthritis: Ostitis: Periostitis. Other Diseases, Ossous System	1					2			2			1		1				1						6	2	2	1		
10. Dis: of INTEGUMENT: Sys: Ulcer, Bed sore Eczema Other Dis: Integumentary Sys:																			1					1	3	2	1		
VII.—Deaths from Violence. 1. ACCIDENT OR NEGLIGENCE. In Mines and Quarries In Vehicular Traffic On Railways On Ships, Boats, &c., not Drown'g In Building Operations By Machinery Burns and Scalds Poisons, Poisonous Vapours Effects of Electric Shock Drowning Suffocation, Overlaid in Bed " Otherwise Falls not specified Otherwise not stated Homicide	2	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1						1	10	8	1	1		
2. SUICIDES. Suicides by Poison By Hanging and Strangulation By Drowning By Cut or Stab By other & Unspec: methods.	24	1																						12	24	2	21	12	5
VIII.—Ill-defined. Sudden Death, cause not asc't'd Ill-defined & Unspecified causes	30	3	1	1		1		1	1	3	5	4	9	6	6	3	6	7	6	6	3		1	101	5	1	1	42	22

TABLE 13.

RECORDED DEATH-RATES PER 1,000, AND THE PROPORTION OF
DEATHS UNDER ONE YEAR OF AGE PER 1,000 BIRTHS,
IN THE 33 GREAT TOWNS, IN 1902.

Towns in the order of their Death-Rates.	Recorded Death- Rate.	Proportion of deaths under one year of age per 1,000 births in the 33 great towns of England and Wales.
England and Wales	16'3	133
England and Wales less the 179 Towns	15'3	119
76 other large Towns	17'4	145
103 smaller Towns	15'3	135
33 Great Towns	17'4	148
Derby	13'9	125
Croydon	14'0	132
Leicester	14'9	153
Halifax	15'7	144
Brighton	15'8	125
Bradford	15'8	139
Swansea	16'1	135
Wolverhampton	16'4	134
Nottingham	16'7	159
Norwich	16'7	167
Cardiff	16'8	146
Portsmouth	16'8	152
Bolton	16'9	134
Blackburn	16'9	159
Plymouth	17'0	155
West Ham	17'1	149
Sheffield	17'1	150
Hull	17'2	137
Bristol	17'4	131
Leeds	17'6	159
London	17'7	141
Birkenhead	17'7	148
Gateshead	17'7	136
Huddersfield	17'8	138
Birmingham	18'6	157
Oldham	19'1	148
Preston	19'1	189
Salford	19'2	157
Burnley	19'5	177
Sunderland	19'5	152
Newcastle	19'9	139
Manchester	20'0	152
Liverpool	22'5	163

TABLE 14.

CAUSES OF DEATH REGISTERED IN EACH OF THE TEN YEARS 1892-1901,
IN 1902, AND THE AVERAGE DECENNIAL NUMBER.

	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	Average	1902
All Causes	4955	4895	4311	5318	4850	5070	4881	5187	5542	4802	4981	4375
Small-pox	1	22	2	...	...	...	...	...	1	...	2	1
Measles	306	91	144	210	202	473	100	211	125	114	198	156
Scarlet Fever	81	39	110	96	105	61	61	50	99	106	81	50
Whooping Cough	194	98	140	133	187	111	128	99	186	91	137	118
Diphtheria & Memb. Croup	55	56	64	73	52	32	33	75	90	140	67	75
Croup	30	30	16	23	11	7	6	7	8	6	14	7
Typhus Fever	1	2	1	...	1	...	5	...	1	1	1	12
Enteric Fever	79	96	63	86	70	64	73	76	66	75	75	48
Other Continued Fever ..	3	1	...	...	1	2	...	1	...	...	1	...
*Epidemic Influenza	...	...	...	...	...	57	40	83	137	34	70	38
Simple Cholera	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa, Dysent:	198	447	147	433	268	446	495	452	318	412	362	144
Enteritis	68	82	50	151	125	166	173	179	101	114	121	82
Puerperal Fever	18	16	11	9	13	6	14	12	12	20	13	6
Erysipelas	13	11	8	3	9	8	5	7	8	12	8	9
Other Septic Diseases ...	10	11	9	13	14	6	8	11	11	11	10	7
Phthisis	382	393	379	396	360	383	394	395	405	396	388	380
Other Tubercular Diseases	295	289	244	282	225	232	194	178	157	154	225	159
Cancer	119	121	126	123	120	130	163	135	136	155	133	166
Bronchitis	524	523	384	539	466	502	470	549	706	517	518	490
Pneumonia	584	470	476	559	557	446	469	591	612	423	519	477
Pleurisy	13	7	11	1	13	5	7	4	10	12	8	6
Other D: Respiratory Org.	91	96	60	110	55	13	17	22	23	16	18	19
Alcoholism	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver	49	58	50	39	35	54	45	50	90	70	54	45
Venereal Diseases	19	25	30	38	30	24	27	19	30	22	26	16
Premature Birth	134	143	120	138	154	149	161	172	133	143	145	166
Brain & Nervous Diseases	399	402	411	423	479	452	473	490	521	428	448	459
Urinary Diseases	79	63	68	101	91	70	89	100	146	102	91	103
Atrophy and Marasmus...	266	305	255	299	258	242	256	258	234	204	258	188
Dis. & Accid. of Parturition	24	28	30	22	18	15	17	18	14	18	20	20
Heart Diseases	242	278	235	266	284	283	259	294	380	339	286	331
Accidents	132	131	137	143	113	115	99	106	118	128	122	123
Suicides	19	8	16	16	21	19	17	13	17	16	16	14
All other causes	527	553	514	593	513	497	583	530	647	523	548	460

* Epidemic Influenza is included in "Other Diseases of Respiratory Organs" from
1892 to 1896.

TABLE 15.

SHOWING THE BIRTH-RATES, ALSO RATES OF MORTALITY FROM ALL CAUSES,
FROM THE SEVEN PRINCIPAL ZYMOTIC DISEASES, AND FROM PHTHISIS,
CANCER, NERVOUS DISEASES, HEART DISEASES, BRONCHITIS,
AND PNEUMONIA, DURING THE YEARS 1878 TO 1902.

Years.	Popula- tion.	Rates per 1,000 Population from									Deaths under One Year to 1,000 Births.
		Births.	Deaths, All Causes.	Seven Principal Zymotic Diseases.	Phthisis.	Cancer.	Nervous Diseases.	Heart Diseases.	Bronchitis.	Pneumonia.	
1878...	160,277	44.7	27.1	5.4	2.7	0.5	3.5	1.1	3.6	1.8	185
1879...	165,899	43.0	26.7	4.2	2.9	0.4	3.7	1.2	4.3	1.8	170
1880...	171,727	41.4	27.9	7.4	2.7	0.4	3.2	0.9	3.4	1.9	197
1881...	177,760	38.8	22.5	3.0	2.5	0.5	3.1	1.1	3.6	1.6	163
1882...	179,855	39.7	23.7	4.0	2.4	0.4	3.6	1.1	2.8	1.7	177
Average 5 years.		41.5	25.6	4.8	2.6	0.4	3.4	1.1	3.5	1.8	178
1883...	181,951	37.3	23.6	3.4	2.7	0.4	3.1	1.2	3.0	1.7	171
1884...	184,047	38.8	24.4	4.4	2.6	0.5	2.9	1.1	2.8	1.7	184
1885...	186,142	37.6	23.0	3.6	2.6	0.5	2.9	1.2	3.0	1.9	174
1886...	188,238	38.5	24.8	4.1	2.6	0.5	2.8	1.3	3.3	1.8	197
1887...	190,334	36.6	25.5	4.9	2.3	0.5	3.2	1.3	2.9	2.2	195
Average 5 years.		37.8	24.3	4.1	2.6	0.5	3.0	1.2	3.0	1.9	184
1888...	192,429	37.1	24.8	3.9	2.3	0.5	3.0	1.1	3.0	2.1	184
1889...	194,525	35.9	25.1	5.3	1.9	0.6	2.5	1.3	2.6	1.9	181
1890...	196,621	36.1	27.7	4.4	2.2	0.5	2.0	1.3	3.4	3.8	198
1891...	198,775	36.3	26.0	3.4	2.2	0.5	2.2	1.1	3.7	3.0	194
1892...	200,833	35.8	24.6	4.6	1.9	0.6	2.0	1.2	2.6	2.9	186
Average 5 years.		36.2	25.6	4.3	2.1	0.5	2.3	1.2	3.1	2.7	189
1893...	203,015	34.7	24.1	4.2	1.9	0.6	2.0	1.4	2.6	2.3	211
1894...	205,220	34.3	21.1	3.3	1.8	0.6	2.0	1.1	1.9	2.3	174
1895...	207,449	35.9	25.6	5.0	1.9	0.6	2.0	1.3	2.6	2.7	229
1896...	209,703	35.6	23.1	4.2	1.5	0.6	2.3	1.4	2.2	2.7	200
1897...	211,981	35.2	23.9	5.6	1.8	0.6	2.1	1.3	2.4	2.1	219
Average 5 years.		35.1	23.6	4.5	1.8	0.6	2.1	1.3	2.3	2.4	207
1898...	214,284	34.9	22.8	4.2	1.8	0.8	2.2	1.2	2.2	2.2	213
1899...	216,612	34.1	23.9	4.4	1.8	0.6	2.3	1.4	2.5	2.7	211
1900...	218,965	33.3	25.3	4.1	1.8	0.6	2.4	1.7	3.2	2.8	208
1901...	221,526	29.1	21.7	4.2	1.8	0.7	1.9	1.5	2.3	1.9	205
1902...	224,007	33.7	19.2	2.6	1.7	0.7	2.0	1.4	2.1	2.1	157
Average 5 years.		33.0	22.6	3.9	1.8	0.7	2.2	1.4	2.5	2.3	199

TABLE 16.

DEATHS REGISTERED IN THE COUNTY BOROUGH OF SALFORD,
DURING THE YEAR 1902.

Age.	Males.	Females.
Under 1... ..	659	552
1 to 2	168	168
2 to 3... .. .	73	81
3 to 4... .. .	45	34
4 to 5... .. .	32	38
5 to 10... .. .	56	55
10 to 15... .. .	35	21
15 to 20... .. .	26	48
20 to 25... .. .	63	56
25 to 35... .. .	157	128
35 to 45... .. .	201	170
45 to 55... .. .	239	206
55 to 65... .. .	225	211
65 to 75... .. .	187	237
75 to 85... .. .	69	109
85 to 95... .. .	9	16
Over 95... .. .	1	...
	2245	2130

TABLES.

PART II.

INFECTIOUS DISEASES.

PART I

PART II

PART III

INFECTIONS, DISEASES

TABLE 17.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1902.

NOTIFIABLE DISEASES.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.					No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.				
	At All Ages.	At Ages—Years.						Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.	Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and up-wards.										
Small-pox	23	...	...	1	4	15	3	23	4	2	16	1	23	4	2	16	1
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	270	5	108	102	29	26	...	270	73	42	95	60	142	38	26	57	21
Membranous Croup	22	2	15	5	...	...	...	22	...	10	10	2	7	...	2	3	2
Erysipelas	164	7	7	14	17	111	8	164	47	49	47	21	34	9	14	8	3
Scarlet Fever	780	12	248	434	63	23	...	780	181	103	237	259	582	135	82	185	180
Typhus Fever	43	1	1	8	9	23	1	43	4	3	35	1	43	4	3	35	1
Enteric Fever	207	1	11	49	76	70	...	207	79	24	82	22	118	48	12	51	7
Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	6	...	1	2	2	1	...	6	...	6	...	...	6	...	6	...	...
Puerperal Fever	16	...	...	...	5	11	...	16	3	4	6	3	4	1	1	1	1
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	1531	28	391	615	205	280	12	1531	391	243	528	369	959	239	148	356	216

NOTES.—The localities adopted for this table should be the same as those in Tables 2 and 3.

State the name of the Isolation hospital, if any, used by the sick of the district. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. H₁, Ladywell Sanatorium; H₂, Small-pox Hospital, Drinkwater Park, in the Prestwich district.

TABLE 18.

SHOWING THE NUMBER OF CASES OF INFECTIOUS DISEASE NOTIFIED
TO THE HEALTH DEPARTMENT DURING THE YEARS 1883 TO 1902.

YEAR.	Small-Pox.	Scarlet Fever.	Diphtheria.	FEVER.				Erysipelas.	Total.
				Enteric.	Typhus.	Continued.	Puerperal.		
1883	6	805	81	293	14	...	21	...	1220
1884	5	1154	99	422	35	...	14	...	1729
1885	11	632	54	205	32	...	15	...	949
1886	...	1536	41	288	5	...	12	...	1882
1887	4	1427	83	368	7	...	11	...	1900
Average 5 years	5	1111	72	315	19	...	15	...	1537
1888	52	1128	175	572	31	...	26	...	1984
1889	...	1283	691	485	3	...	14	...	2476
1890	...	985	704	383	6	4	22	76	2180
1891	...	483	231	377	1	6	13	53	1164
1892	7	865	231	347	5	5	26	86	1572
Average 5 years	12	948	406	433	9	3	20	43	1874
1893	168	865	261	563	5	12	30	147	2051
1894	35	1043	242	316	1	14	21	130	1802
1895	4	1167	194	382	...	11	19	111	1888
1896	2	1579	158	291	7	12	24	114	2187
1897	...	714	103	291	...	14	13	121	1256
Average 5 years	42	1074	192	369	3	13	21	125	1836
1898	..	659	97	367	16	14	31	146	1330
1899	...	723	184	273	3	20	26	153	1382
1900	6	1317	309	335	2	8	21	179	2177
1901	...	1320	420	317	1	8	33	230	2329
1902	23	780	292	207	43	6	16	164	1531
Average 5 years	6	960	260	300	13	11	25	174	1750

TABLE 19.

SHEWING THE NUMBER OF CASES OF SICKNESS, AND THE DEATHS
REGISTERED, DURING THE SEVERAL MONTHS OF THE
YEAR 1902, IN SALFORD.

Months.	Small-Pox.		Scarlet Fever.		Diphtheria and Memb. Croup.		Typhoid Fever.		Puerperal Fever.		Typhus Fever.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January	1	...	83	7	23	8	13	5	1	...	...	...
February ...	1	...	59	3	14	5	10	1	...	...	...	...
March	...	...	71	4	23	9	13	3	2	...	...	...
April	...	...	44	2	22	6	12	4	2	1	1	...
May	...	...	32	2	16	4	12	2	...	1	26	6
June	...	...	54	6	22	3	6	3	2	1	14	4
July	...	...	32	...	11	3	12	3	1	...	2	2
August	...	...	78	5	29	6	33	9	3	...	...	...
September ...	...	...	78	4	27	5	30	2	1	2	...	...
October	2	...	83	4	24	3	29	8	2	...	...	...
November ...	5	...	88	6	43	6	23	6	2	1	...	...
December ...	14	1	78	7	38	17	14	2	...	...	...	...
Totals...	23	1	780	50	292	75	207	48	16	6	43	12

TABLE 20.

CASES TREATED IN THE CORPORATION HOSPITALS.

	1893		1894		1895		1896		1897		1898		1899		1900		1901		1902	
	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.
Small Pox	158	21	34	2	4	1	...	...	...	...	1	...	...	...	4	1	...	...	22	...
Scarlet Fever	425	20	610	77	725	61	1061	74	506	32	485	52	510	33	1012	81	979	85	588	45
Diphtheria	50	6	75	9	40	12	36	8	26	9	42	12	85	34	133	36	239	73	151	30
Typhus Fever	5	2	1	1	...	...	7	1	...	...	15	4	3	...	1	1	1	1	39	12
Typhoid Fever.....	300	49	142	21	195	42	127	27	189	38	240	45	150	32	178	42	166	46	119	29
Continued Fever ...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Puerperal Fever ...	2	...	3	2	5	2	7	3	5	2	8	2	11	3	7	1	11	3	5	1
Erysipelas	41	2	36	2	25	1	16	2	34	2	42	3	35	2	16	2	29	2	34	4
Ill-defined or all other Diseases ...	83	4	95	18	131	14	65	21	81	12	60	4	154	12	74	12	77	8	203	9

TABLE 21.

CASES FROM OUT-DISTRICTS TREATED IN THE CORPORATION HOSPITALS.

	1893		1894		1895		1896		1897		1898		1899		1900		1901		1902	
	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.
Small Pox	16	...	12	...	...	...	2	...	...	...	1	...	...	...	...	...	8	...	...	...
Scarlet Fever	45	1	57	3	78	6	102	7	67	3	73	8	174	12	316	24	377	26	462	29
Diphtheria	4	2	2	...	3	1	2	1	3	1	25	12	76	25	161	37	166	33	180	32
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid Fever ...	9	1	6	1	9	2	26	5	6	1	58	11	46	12	38	13	70	22	52	9
Continued Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	1	1	...	...	...	...	2	1	...	...	1	...	...	...	2	2	1	1	1	1
Erysipelas	...	...	...	...	...	...	...	...	1	...	2	...	2	...	4	1	2	1	4	1
Ill-defined	8	...	2	...	4	1	5	...	5	...	10	...	18	4	17	2	18	2	19	1

TABLE 22.

NOTIFIED CASES AND DEATHS FROM DIPHTHERIA
FOR YEARS 1890 TO 1902.

Year.	Cases Notified.	Deaths.	Percentage.
1890	704	206	29'3
1891	231	78	33'8
1892	231	55	23'8
1893	261	56	21'4
1894	242	64	26'4
1895	194	73	37'6
1896	158	52	32'9
1897	103	32	31'1
1898	97	33	34'0
1899	184	75	40'8
1900	309	90	29'1
1901	420	140	33'3
1902	292	75	25'7

TABLE 23.

MORTALITY.—RATES PER 1,000 OF THE POPULATION.

SCARLET FEVER.

	1897.	1898.	1899.	1900.	1901.	Mean.	1902.
England and Wales...	0·14	0·11	0·12	0·12	0·13	0·12	0·15
33 Great English Towns	0·18	0·14	0·13	0·13	0·17	0·15	0·21
London	0·17	0·13	0·09	0·08	0·13	0·12	0·12
Salford	0·29	0·28	0·23	0·45	0·48	0·35	0·22

DIPHTHERIA.

	1897.	1898.	1899.	1900.	1901.	Mean.	1902.
England and Wales ...	0·24	0·24	0·29	0·29	0·27	0·27	0·23
33 Great English Towns	0·31	0·31	0·40	0·35	0·30	0·33	0·24
London	0·51	0·39	0·43	0·34	0·30	0·39	0·25
Salford	0·15	0·15	0·35	0·41	0·63	0·34	0·33

WHOOPIING COUGH.

	1897.	1898.	1899.	1900.	1901.	Mean.	1902.
England and Wales ...	0·35	0·31	0·30	0·34	0·30	0·32	0·29
33 Great English Towns	0·41	0·42	0·38	0·45	0·36	0·40	0·34
London	0·41	0·48	0·38	0·43	0·35	0·41	0·41
Salford	0·52	0·60	0·46	0·85	0·41	0·57	0·52

MEASLES.

	1897.	1898.	1899.	1900.	1901.	Mean.	1902.
England and Wales ..	0·40	0·39	0·31	0·39	0·27	0·35	0·38
33 Great English Towns	0·55	0·56	0·46	0·43	0·43	0·49	0·51
London	0·43	0·68	0·47	0·42	0·43	0·49	0·51
Salford	2·23	0·47	0·97	0·57	0·51	0·95	0·68

DIARRHŒA.

	1897.	1898.	1899.	1900.	1901.	Mean.	1902.
England and Wales ...	0·86	0·45	0·98	0·69	0·91	0·78	0·38
33 Great English Towns	1·24	1·22	1·21	0·94	1·23	1·17	0·55
London	0·92	0·97	0·92	0·78	0·87	0·89	0·54
Salford	2·10	2·31	2·09	1·45	1·86	1·96	0·63

TABLE 24.

CONNECTION OF CASES OF INFECTIOUS DISEASE WITH THE FORM OF
CONVENIENCE, FOR THE YEAR 1902.

	Water Closets.		Midden Privy.		Pail Closet.	
	Number.	Per cent. of Houses with Water Closets.	Number.	Per cent. of Houses with Midden Privies.	Number.	Per cent. of Houses with Pail Closets.
Diphtheria ...	103	0·6	112	0·6	41	0·5
Enteric Fever.	75	0·4	74	0·4	43	0·5

TABLE 25.

HOUSES PROVIDED WITH THE DIFFERENT FORM OF CONVENIENCE,
FOR THE YEAR 1902.

	No of Houses.	Per cent.
Water Closet	17045	38·9
Midden Privy	18061	41·2
Pail Closet	8692	19·9

TABLES.

PART III.

WORK OF THE HEALTH DEPARTMENT.

TABLE 26.

COMMON LODGING-HOUSES, 1902.

	Regent Road.	Greengate.	Pendleton.	Total.
Number on Register	8	26	5	39
Number added to Register in 1902..	...	...	...	...
„ removed from „ „ ..	...	1	...	1
Number of Rooms.....	70	139	32	241
„ of Beds	304	839	88	1231
Average Number occupied each night—Males	187	562	65	814
Females	...	12	12	24
Notices served on Landlords.....	...	1	...	1
„ „ Keepers	...	4	...	4
Number of Day Inspections	910	4220	715	5845
„ Night „	120	370	102	592

TABLE 27.

HOUSES SUB-LET IN LODGINGS, 1902.

District.	No. of houses now registered.	No. of rooms.	Houses found un-registered during the year.		Complaints.	Notices served on	
			Since registered.	Since discontinued.		Land-lords.	Ten-ants.
Regent Road.....	62	241	14	20	8	4	4
Greengate	180	694	29	36	15	34	23
Pendleton	7	16	4	2	...	...	...
Broughton	15	22	16	4	13	4	9
Borough.....	264	973	63	62	36	42	36

TABLE 28.

MILKSHOPS, 1902.

DISTRICT.	No. on Register.	Shippons.	Discontinued.	Newly Registered.	No. of Visits.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Puerperal Fever.	Nursed in Hospital.	Nursed at Home.	Notice issued.		Inspector.
												Signs.	Sanitary.	
Regent	61	...	3	6	261	...	1	...	...	...	1	...	...	Adams and Whinfield.
"	121	...	4	7	475	...	...	...	...	...	...	...	...	
"	19	...	2	1	387	...	...	...	...	...	...	...	...	
Greengate ...	34	...	2	2	931	...	...	...	...	...	...	4	14	Deakin and Lannigan.
"	53	...	5	3	...	...	...	...	...	...	...	...	2	
Pendleton ...	56	6	3	6	569	...	...	...	...	...	...	2	3	Bowerbank.
"	62	...	1	3	300	...	...	...	...	...	...	...	...	
Broughton ...	18	...	...	...	...	...	...	...	...	...	...	...	...	Mellor.
"	131	10	9	17	487	3	...	...	...	3	...	...	10	
Borough...	555	16	29	45	3410	3	1	...	...	3	1	6	29	

There are 555 Milkshops and 16 Shippons on the register, as against 535 in 1901, being an increase of 20 during the year.

Four cases of infectious disease occurred amongst them. All with the exception of a Diphtheria were removed to hospital, and business suspended until after disinfection.

TABLE 29.

MILK FROM FARMERS' CANS, 1902.

Names and Addresses.	Results of Analyses.	Places of Delivery.
H. J., Rimmington	Pure	Pendleton Station.
J. J., "	"	" "
H. J., "	"	" "
A. B., Gisburn	"	" "
" "	"	" "
J. L., Dunham Hill.....	"	Ordsall Lane Station.
" "	"	" "
W. H. S., Alvanley	"	" "
J. J., Rimmington	"	Pendleton Station...
H. J., "	"	" " "
J. J., "	"	" " "
J. L., Alvanley.....	"	Ordsall Lane Station.
S. B., "	"	" "

TABLE 30.

SAMPLES COLLECTED BY THE INSPECTOR UNDER THE "SALE OF FOOD
AND DRUGS ACT," FROM 1875 TO 1902.

	Total.	Milk.	Butter.	Bread and Flour.	Drugs.	Gro- ceries.	Beer and Porter.	Wines and Spirits.	S'ndrie
1875...	60	37	1	1	1	...	7	4	9
1876...	119	43	2	18	34	17	...	...	5
1877...	390	114	7	159	22	30	18	37	3
1878...	418	197	10	35	31	25	24	70	26
1879...	518	306	16	130	15	28	10	13	...
1880...	506	269	12	48	5	52	71	18	31
1881...	478	376	11	1	...	61	...	8	21
1882...	465	300	7	47	13	3	58	20	17
1883...	497	436	1	29	1	12	...	2	16
1884...	507	359	10	35	7	...	64	11	21
1885...	478	399	21	14	4	13	21	...	6
1886...	483	361	6	21	...	36	1	22	36
1887...	472	355	2	...	...	25	42	43	5
1888...	883	701	6	...	30	83	...	9	54
1889...	832	652	35	...	21	85	15	17	7
1890...	874	591	41	38	24	64	12	49	55
1891...	901	611	20	20	18	134	23	74	1
1892...	853	613	78	31	13	61	7	44	6
1893...	955	855	15	1	...	51	6	27	...
1894...	765	676	50	1	...	35	...	3	...
1895...	767	633	58	7	1	25	...	12	31
1896...	730	419	247	5	...	21	13	20	5
1897...	791	460	236	32	...	24	...	39	...
1898...	771	365	332	16	7	25	...	14	12
1899...	763	338	389	...	5	11	...	...	20
1900...	752	297	327	14	...	33	48	9	24
1901...	760	312	388	10	...	11	26	...	13
1902...	785	296	440	5	...	31	...	...	13

Table 30.—*continued.*

PERCENTAGE OF ARTICLES RETURNED AS ADULTERATED.

	Total.	Milk.	Butter.	Bread and Flour.	Drugs.	Gro- ceries.	Beer and Porter.	Wines and Spirits.	S'ndries
1875	66.6	62.1	100.0	0.0	0.0	...	100.0	75.0	66.6
1876...	40.3	55.8	50.0	27.8	35.3	17.6	...	...	60.0
1877...	27.4	40.3	28.6	11.3	13.6	6.7	0.0	97.3	0.0
1878...	29.9	29.4	10.0	2.9	51.6	4.0	4.2	67.1	0.0
1879...	12.0	13.1	25.0	5.4	26.6	10.7	10.0	2.3	...
1880...	20.2	25.2	75.0	6.3	0.0	17.3	11.3	11.1	9.7
1881...	16.3	18.1	9.1	0.0	...	1.6	..	37.5	23.8
1882 ..	15.5	19.0	14.3	2.1	53.8	0.0	1.7	10.0	17.6
1883...	6.6	6.7	0.0	3.4	0.0	8.3	...	50.0	6.3
1884...	7.1	2.8	40.0	5.7	57.1	...	0.0	27.3	61.9
1885...	5.2	4.8	4.8	7.1	0.0	15.4	0.0	...	33.2
1886...	3.9	1.1	50.0	0.0	...	25.0	0.0	0.0	8.3
1887...	8.7	9.9	0.0	...	...	8.0	2.4	7.0	0.0
1888...	6.3	2.8	100.0	...	26.6	13.3	...	0.0	20.4
1889...	10.1	7.3	22.8	...	28.5	24.7	0.0	0.0	14.2
1890...	5.1	1.9	50.0	0.0	0.0	15.6	0.0	30.6	12.7
1891...	6.1	1.4	35.0	10.0	0.0	22.3	0.0	9.4	0.0
1892...	7.4	4.2	29.5	0.0	23.1	18.0	0.0	0.0	0.0
1893...	6.6	4.0	26.7	0.0	0.0	17.6	0.0	59.3	0.0
1894...	1.2	1.1	2.0	0.0	...	0.0	...	0.0	...
1895..	2.3	1.2	15.5	0.0	0.0	8.0	...	0.0	0.0
1896...	4.1	2.4	6.5	0.0	...	0.0	0.0	20.0	0.0
1897...	4.3	4.3	4.2	0.0	0.0	0.0	0.0	7.7	0.0
1898...	1.9	1.6	1.8	0.0	2.9	0.0	...	7.1	0.0
1899...	3.9	2.4	4.4	...	100.0	0.0	...	...	0.0
1900...	3.7	3.4	0.9	0.0	...	0.0	25.0	33.3	4.2
Average,									
1891-00	4.1	2.6	12.6	1.1	17.7	5.8	4.1	13.7	0.5
1901...	1.7	2.9	1.0	0.0	...	0.0	0.0	...	0.0
1902...	1.1	1.7	0.9	0.0	...	0.0	...	...	0.0

TABLE 31.
BAKEHOUSES, 1902.

	Regent.	Green- gate.	Pendle- ton.	Brough- ton.	Total.
Number Registered	55	17	47	48	167
„ added to Register	14	2	14	7	37
„ Discontinued	1	1	3	1	6
Number of Ovens	58	22	53	69	202
Wagon Orders	11	4	7	17	39
Flue	17	16	8	10	51
Iron.....	26	1	28	21	76
Gas	4	1	10	21	36
Employees—Males	80	38	45	37	200
Females.....	39	8	57	37	141
Notices Served	1	2	2	...	5

TABLE 32.

SHOP HOURS ACT, 1892.—RETURN, 1902.

District.	Total number of Inspections of Shops.	Total Number of Shops on the Register for the Borough.	Number of Young Persons under 18 years of age Employed.	Male.	Female.	Prosecutions.	Convictions.	Dismissed.	Cautioned.
Regent Road	1092	210	347	319	28	...	...	...	7
Greengate.....	530	94	174	163	11	...	...	...	1
Pendleton	833	181	381	345	36	...	...	...	3
Broughton	263	112	156	144	12	...	...	...	...
Borough.....	2718	597	1058	971	87	...	...	...	11

TABLE 33.

STEAM BOILERS AND FURNACES IN USE AT THE END OF 1902.

	Regent Road.	Green-gate.	Pendle-ton.	Brough-ton.	Total.
Boilers properly constructed	262	123	197	42	624
„ improperly constructed	34	42	20	9	105
Notices issued	8	4	12	1	25
„ complied with	8	4	12	1	25
Blast Furnaces	13	31	5	1	50

TABLE 34.

THE FOLLOWING IS A LIST OF CASES IN WHICH IT HAS BEEN FOUND
NECESSARY TO ADOPT MAGISTERIAL PROCEEDINGS DURING
THE YEAR 1902.

Particulars of Offence.	No. of Cases.	Decisions.	Amount of Fines.
			£ s. d.
Negligently using furnaces constructed to consume their own smoke	30	{ Fined 23 } { Withdrawn.. 6 } { Dismissed .. 1 }	49 0 0
Occupiers of premises using certain furnaces which were not so constructed as to consume their own smoke	1	Fined 1	1 0 0
Exposing Margarine for sale without being labelled	2	{ Fined 1 } { Withdrawn.. 1 }	0 10 0
Adulteration of food.....	9	Fined 9	10 7 6
Being in possession of diseased meat, and exposing diseased meat for sale	1	Dismissed .. 1	...
Neglecting to limewash shippon	1	Fined 1	1 0 0
Being in possession of a cow exhibiting signs of Tuberculosis, and neglecting to forthwith give written notice of the fact to the Medical Officer of Health of Salford	2	Fined 2	2 0 0
Occupying a dwelling-house after order made by the Corporation declaring that such building was not fit for human habitation ...	7	{ Fined 2 } { Withdrawn.. 5 }	0 2 0
Failing to comply with notice from Urban Sanitary Authority of Salford, whereby defendants were required to do certain necessary repairs	4	{ Fined 2 } { Withdrawn.. 2 }	6 11 0
<i>Carried forward</i>	57	£	70 10 6

Table 34.—Continued.

Particulars of Offence.	No. of Cases.	Decisions.	Amount of Fines.
<i>Brought forward</i>	57		£ s. d. 70 10 6
Failing to comply with notice under } Section 1 of the Factory and } Workshops Act, 1891	1	Withdrawn.. 1	...
Owner of certain building neglecting } to comply with a notice from the } Urban Sanitary Authority of } Salford, requiring existing closet } accommodation to be converted } into water-closets.....	3	{ Fined 1 } { Withdrawn.. 2 }	8 18 0
Dressing for sale the carcase of a } pig in a place other than one of } the slaughter-houses provided or } licensed by the Corporation ...	1	Fined 1	0 10 0
Occupier of dwelling-house by reason } of his neglect did suffer interior of } such dwelling-house to be in such } a state as to be prejudicial to } the health of the inmates	3	{ Fined 2 } { Warrant } { Issued ... 1 }	1 0 0
Keeper of lodging-house not causing } floor of every room to be thor- } oughly swept at least before 10 } a.m.	1	Fined 1	0 5 0
Totals	66		£ 81 3 6

TABLE 35.

New W.C.'s provided January 1st to December 31st, 1902 :—

Regent District	109
Greengate	354
Pendleton	414
Broughton	695
	1572

W.C.'s provided to new houses during the same period :—

Regent District	256
Greengate	17
Pendleton	274
Broughton	186
	733

TABLE 36.

WORK OF THE FEMALE HEALTH VISITORS FOR THE YEAR 1902.

DISTRICT.	No. of Cottages in District.	Visits paid to Cottages.	Dilapidated Houses.	Dirty Houses.	Houses Improved since last visit.	Houses Overcrowded.	Houses invaded by sickness.	Special Reports.
Ordsall	2469	2298	91	167	1527	...	134	22
Trinity	1847	2975	...	5	32	1	274	18
Adelphi	1816	2662	1	1	88	...	59	11
St. Simon's	1317	2293	7	25	1501	1	40	50
Silk Street	1613	3480	1	41	2	3	269	119
St. George's	2566	2235	48	75	809	14	55	64
Ellor Street	2679	2767	147	194	2101	20	75	89
Total.....	14307	18710	295	508	6060	39	906	373

TABLE 37.

YEAR 1902.

METEOROLOGY, AND REGISTERED DEATHS FROM ALL CAUSES, AND FROM CERTAIN PREVALENT DISEASES, IN EACH WEEK OF THE YEAR.

Week.		Temperature of the Air.			Temperature— 4-feet below ground	Mean Humidity. Complete Saturation = 100.	Rainfall in Inches.	Deaths Registered from				
Date of ending.	Highest during the Week.	Lowest during the Week.	Mean Temperature.	All Causes.				Seven Zymotic Diseases.	Diarrhea.	Bronchitis and Pneumonia.	Phthisis.	
1902.												
Jan.	4.....	54.3	36.0	46.0	41.8	94	1.510	86	9	1	17	11
	11.....	53.1	37.1	47.3	43.3	87	0.389	87	14	1	19	9
	18.....	48.1	23.9	37.0	43.6	90	0.015	78	11	1	15	9
	25.....	50.9	29.8	43.5	42.9	89	0.412	86	9	3	19	12
Feb.	1.....	41.0	25.3	33.5	42.9	88	0.715	70	8	...	14	5
	8.....	40.4	30.0	34.2	41.3	86	0.189	70	5	1	23	4
	15.....	40.0	14.6	25.8	40.3	79	0.145	76	6	...	18	5
	22.....	48.5	15.6	33.2	39.5	91	0.120	97	6	2	30	11
Mar.	1.....	54.1	33.9	44.4	39.5	93	0.554	105	5	1	30	5
	8.....	54.7	29.8	42.7	41.1	90	0.250	74	6	...	14	8
	15.....	54.1	31.8	44.5	42.3	96	0.443	60	6	2	14	5
	22.....	55.0	38.5	44.9	43.4	85	0.201	73	11	2	20	8
	29.....	53.3	30.5	42.6	43.8	90	0.616	81	4	1	24	12
April	5.....	54.7	33.8	42.7	44.0	93	1.146	68	11	2	17	6
	12.....	50.8	29.0	39.5	43.9	83	0.287	81	8	1	17	12
	19.....	63.3	31.5	46.1	43.9	89	0.650	86	2	...	16	9
	26.....	63.9	40.2	51.3	45.2	86	0.431	92	8	2	22	7
May	3.....	56.7	32.8	46.4	46.7	78	0.941	75	7	1	20	5
	10.....	52.6	32.0	42.1	47.2	83	0.527	97	6	1	21	10
	17.....	57.7	35.6	44.1	46.8	72	0.969	94	8	...	20	13
	24.....	61.7	36.5	47.4	46.9	75	0.784	77	7	1	27	5
	31.....	65.9	40.8	52.3	48.6	82	0.549	98	6	1	30	7
June	7.....	75.1	44.0	55.0	50.3	75	0.520	78	10	2	13	8
	14.....	61.1	30.8	48.6	51.0	80	0.077	86	11	1	21	6
	21.....	69.9	39.2	53.2	51.0	87	0.360	76	5	...	17	12
	28.....	85.9	49.2	64.5	52.3	91	0.098	74	13	1	21	4
July	5.....	79.9	41.8	61.0	56.1	89	0.287	83	10	4	15	8
	12.....	77.8	43.4	58.0	56.9	92	0.628	59	7	3	12	3
	19.....	79.6	49.1	59.8	57.1	91	...	70	8	3	19	6
	26.....	68.9	47.0	54.1	57.5	92	1.149	66	10	3	13	2
Aug.	2.....	66.8	45.6	55.0	56.5	83	0.792	61	5	1	13	9
	9.....	66.1	45.0	54.6	56.4	89	0.731	70	5	1	9	8
	16.....	69.4	41.0	56.1	55.6	81	0.185	82	12	...	13	7
	23.....	70.1	45.1	57.5	55.7	74	1.374	69	14	3	12	6
	30.....	71.7	41.9	57.3	55.1	78	0.057	83	15	7	18	4
Sept.	6.....	71.4	41.4	59.8	55.8	74	0.136	86	12	7	13	10
	13.....	73.3	36.8	53.8	56.2	78	0.151	78	21	15	12	5
	20.....	66.1	41.2	53.3	56.1	70	0.375	100	18	10	19	13
	27.....	68.9	36.8	53.3	55.5	82	0.344	92	14	10	22	5
Oct.	4.....	60.7	37.0	50.1	55.1	78	0.054	94	18	11	19	7
	11.....	54.9	41.6	48.4	53.5	82	0.632	95	16	8	21	7
	18.....	60.1	35.0	48.4	52.5	85	2.243	99	17	6	34	3
	25.....	60.7	37.2	49.8	51.7	88	0.697	70	14	4	15	7
Nov.	1.....	56.7	40.2	48.9	51.3	88	0.219	68	16	3	12	5
	8.....	58.3	31.4	48.2	51.0	82	0.518	87	20	3	16	9
	15.....	53.7	39.2	47.2	50.4	84	0.554	74	14	1	16	7
	22.....	53.7	27.6	38.2	49.9	77	0.064	79	12	1	17	6
	29.....	51.7	32.0	45.0	46.9	90	0.795	83	18	1	15	5
Dec.	6.....	48.3	26.5	37.7	46.9	88	0.809	83	15	1	20	2
	13.....	52.7	24.0	36.1	44.8	85	0.094	89	28	1	12	9
	20.....	56.8	31.4	45.6	43.9	88	1.059	115	29	4	20	11
	27.....	53.1	41.4	46.8	45.0	88	0.734	84	13	2	21	5
1903												
Jan.	3.....	46.0	32.0	39.0	45.4	86	0.620	103	16	2	27	9

TABLE 38.

METEOROLOGY.

TEMPERATURES IN QUARTERS AND YEARS.

TEMPERATURE IN SHADE.									
MEAN MAXIMUM.					MEAN MINIMUM.				
	1900.	1901.	1902.		1900.	1901.	1902.		
1st Quarter...	49·6	48·5	49·8		1st Quarter...	27·1	29·2	28·9	
2nd „ ...	66·2	70·1	63·0		2nd „ ...	39·3	39·3	36·7	
3rd „ ...	74·2	77·6	71·5		3rd „ ...	46·3	48·6	42·7	
4th „ ...	57·2	54·3	54·8		4th „ ...	35·3	30·1	34·0	
Year...	61·8	62·6	59·7		Year...	37·0	36·8	35·6	
MEAN TEMPERATURE.					MEAN TEMPERATURE— 4 FEET BELOW GROUND.				
	1900.	1901.	1902.		1900.	1901.	1902.		
1st Quarter...	37·7	37·7	39·9		1st Quarter...	41·6	42·3	41·9	
2nd „ ...	50·8	51·7	48·7		2nd „ ...	47·2	49·0	47·5	
3rd „ ...	58·6	60·6	56·4		3rd „ ...	58·3	58·5	56·2	
4th „ ...	46·4	43·1	44·9		4th „ ...	50·8	50·0	49·1	
Year...	48·4	48·3	47·4		Year...	49·5	49·9	48·7	
MEAN HUMIDITY.					AMOUNT OF RAINFALL.				
	1900.	1901.	1902.		1900.	1901.	1902.		
1st Quarter...	89	90	89		1st Quarter...	7·72	5·87	5·56	
2nd „ ...	77	69	82		2nd „ ...	7·55	5·71	7·34	
3rd „ ...	78	70	82		3rd „ ...	9·68	6·11	6·21	
4th „ ...	86	84	85		4th „ ...	11·37	10·81	9·03	
Year...	82	78	84		Year...	36·32	28·50	28·14	

TABLE 39.

REGISTER OF WORK DONE—YEAR ENDING JANUARY 3rd, 1903.

No. of Complaints received...	1858
{ Of Dwelling-houses	23691
" Cellars	181
" Canal Boats	428
" Schools	4
" Common Lodging-houses—	
(Day)	6272
(Night)	695
" Sub-let	2225
" Slaughter-houses	732
" Dairies and Milkshops	3499
Inspectors { Shippons	465
" Ashpits after complaint	77
" Tips	601
" Workshops	3529
" Domestic Workshops	3
" Outworkers	23
" Ice Cream Shops	134
" Miscellaneous	3815
" Bakehouses	1542
" Urinals { Public	777
Private	1125
" Re Infectious Disease	7803
Re-inspections	16091
{ Notices issued	2409
" uncomplied with	105
Action taken.. { Letters written	3749
{ Summonses issued	70
Houses Disin- { Stripped and washed	43
fectd	
{ Fumigated	1407
{ Repaired	1963
{ Reconstructed	1989
House Drains { Trapped	283
{ Slopstone Pipes discon: from..	43
{ Downspouts disconnected from..	198
{ New, provided	...
Privies and { Repaired and drained	...
Ashpits..... { Cleansed by tenants	...
{ Emptied after complaint	1998
{ Reconstructed	...
{ New, provided	1572
Water Closets { Ventilated	1
{ Soil-pipes ventilated	25
{ Urinals provided	...
{ Dwelling-houses	96
{ Cellars	2
{ Lodging-houses	39
{ Bakehouses	119
Limewashed... { Slaughter-houses	76
{ Dairies and Milkshops	168
{ Workshops	76
{ Shippons	28
{ Urinals	40
Closure of..... { Houses unfit for habitation	276
{ Cellars unfit for habitation	...

Table 39.—*Continued.*REGISTER OF WORK DONE.—*Continued.*

	Lodging-houses.....	...
	" " Sub-let	58
Newly	Slaughter-houses	...
Registered...	Workshops.....	45
	Dairies and Milkshops... ..	43
	Bakehouses	22
	Second-hand Goods Stores.....	37
Accumulations {	Manure and Refuse	168
Removed ... {	Stagnant Water	17
Smoke {	Observations taken	2064
Nuisance ... {	Notices served	25
Passages and {	Flagged	31
Yards {	Repaired	912
	Drained	15
Infected Bed {	Stoved	1090
and Clothing {	Destroyed	28
Food	Samp. purch. for analysis	785
Bad Meat.....	Seizures made	305
Animals removed from improper situations... ..		52
Overcrowding of dwellings abated.....		74
Houses repaired, by owners, after notice.....		723
" cleansed.....		255
Canal Boats painted		8
" defective		7
" repaired.....		6

TABLE II.—Continued.
NUMBER OF WORK DAYS—Continued.

Industry	1910		1911		1912	
	Number of days	Percentage of total	Number of days	Percentage of total	Number of days	Percentage of total
Manufacturing	1,000,000	45.0	1,050,000	46.0	1,100,000	47.0
Construction	500,000	22.5	550,000	24.0	600,000	25.0
Transportation	300,000	13.5	320,000	14.0	340,000	14.0
Commerce	200,000	9.0	210,000	9.0	220,000	9.0
Services	150,000	6.8	160,000	7.0	170,000	7.0
Government	100,000	4.5	110,000	4.8	120,000	5.0
Unemployed	50,000	2.2	60,000	2.6	70,000	2.8
Total	2,200,000	100.0	2,280,000	100.0	2,360,000	100.0