

[Report 1904] / Medical Officer of Health, Salford County Borough.

Contributors

Salford (England). County Borough Council.

Publication/Creation

1904

Persistent URL

<https://wellcomecollection.org/works/gr2qqvfh>

License and attribution

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

This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

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



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



COUNTY BOROUGH OF SALFORD.

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH,
FOR THE YEAR
1904,

TOGETHER WITH
A LIFE TABLE FOR SALFORD
BASED ON THE MORTALITY OF THE TEN YEARS 1891-1900

BY
C. H. TATTERSALL,
MEDICAL OFFICER OF HEALTH.

326





COUNTY BOROUGH OF SALFORD.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR THE YEAR

1904,

TOGETHER WITH

A LIFE TABLE FOR SALFORD

BASED ON THE MORTALITY OF THE TEN YEARS 1891-1900

BY

C. H. TATTERSALL,

MEDICAL OFFICER OF HEALTH.

SALFORD:

PRINTED BY W. F. JACKSON AND SONS, THE MANOR PRESS.

1905.

MEMBERS OF THE HEALTH COMMITTEE,

1904-1905.

Mr. Councillor HUDDART, *Chairman*.

Mr. Councillor DESQUESNES, *Deputy-Chairman*.

Alderman Sir W. STEPHENS (*Mayor*).

Mr. Alderman RUDMAN
(*Deputy-Mayor*).

Mr. Alderman HULTON.

Mr. Councillor BARRETT.

" " COTTRELL.

" " CROSSFIELD.

Mr. Councillor HAILWOOD.

" " HAYES.

" " HOPWOOD.

" " JACKSON.

" " KINGHORN.

" " NUTTALL.

" " PICKERING.

" " PINDER.



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

TO THE HEALTH COMMITTEE.

GENTLEMEN,

I have pleasure in submitting for your consideration the Annual Report on the Health of Salford during the year 1904, detailing the work carried out by the Department under your control.

I would call your special attention to the Quinquennial Map, showing the death rates in the various emuneration districts, which I venture to think is valuable as indicating those areas which call for special attention in the future, and also to the Life Table which should prove most valuable as a basis for estimating the progress of the Borough in health.

In connection with these two matters I have to express my special thanks to Mr. Jenkins and Mr. Ingall, the chief statistical clerk, for the zeal they have shown in carrying out the very arduous labour entailed in the production of the Map and Life Table respectively.

I have the honour to be, Gentlemen,

Your obedient servant,

C. H. TATTERSALL.

Town Hall,

Salford,

August 1905.

CONTENTS.

PART I.—MORTALITY STATISTICS.

	PAGE
Population	11
Births	12
Deaths	13
District Mortality	13
Deaths—Various Ages	14
Infantile Mortality	14
Senile Mortality	19
Salford Rates and 33 Great Towns	19
Classification Causes of Death	19
Zymotic Diseases	20
Acute Lung Diseases	20
Cancer	21
Nervous Diseases	21
Heart Disease.....	21
Deceminal Averages	21

PART II.—INFECTIOUS DISEASES.

Infectious Sickness.....	25
" " Notified.....	25
" Diseases Non-notifiable	25
" " Comparison with England and Wales...	26
Small Pox	26
Scarlet Fever	27
" " Return Cases	29
Diphtheria	31
Enteric or Typhoid Fever	37
Puerperal Fever	38
Erysipelas	38
Measles	39
Whooping Cough	39
Diarrhoea.	40
Tuberculosis	40
Epidemic Influenza.....	41
Measures to prevent spread of Infectious Disease—	
Isolation	42
Disinfection.....	42
Bacteriology	42

PART III.—WORK OF THE HEALTH DEPARTMENT.

	PAGE
Systematic Inspection.....	45
Housing of the Working Classes	46
Seaford Road	46
Springfield Lane	46
Queen Street Dwellings	46
King Street Cottages	46
Barracks Site	46
Artizans' Dwellings	47
" Cottages	47
Model Lodging House	47
Common Lodging Houses.....	48
Seamen's Lodging-Houses	48
Factory and Workshops.....	49
Retail Bakehouses	51
Underground Bakehouses	51
Sanitary Conveniences in Workshops	51
Home Work and Outworkers.....	52
Tuberculosis in Milk	53
Sale of Food and Drugs	53
Shop Hours Act.....	53
Midwives' Act.....	54
Smoke Nuisance.....	55
Diseases of Animals	56
Slaughter Houses and Shippons	57
Pig Keeping	57
Offensive Trades	58
Food unfit for Consumption	59
Drainage Work	60
Canal Boats.....	61
Privy Middens and Pail Closets to Water-closets.....	62
Sanitary Conveniences (Urinals)	62

TABLES.—Part I.—Mortality Statistics	63 to 87
Part II.—Infectious Diseases	89 to 98
Part III.—Work of the Health Department..	99 to 114

LIFE TABLE (Years 1891-1900)	115 to 128
---	-------------------

QUINQUENNIAL MAPS	129
--------------------------------	------------

PART I.
MORTALITY STATISTICS.

PART I

MORTALITY STATISTICS.

POPULATION.

The Registrar-General estimates that the population of the County Borough of Salford was **228,983** in the middle of 1904, and this number—which is ascertained by assuming that the population of the Borough continues to increase at the same rate as in the decennium 1891 to 1901—is made the basis on which the various Birth, Death, and Sickness rates mentioned in this report are calculated.

The male population is estimated to have been **110,672**, and the female **118,311**.

The age distribution of the population is—

Under five years of age	27,547
From 5 to 15	48,441
„ 15 to 25	46,964
„ 25 to 65	99,367
Over 65	6,664

The population is divided among the four districts as follows :—

Regent Road	72,436
Greengate	33,235
Pendleton	71,200
Broughton	52,112

The natural increase of the population for the year, that is, the excess of births over deaths was 2,452, as compared with the estimated increase of 2,503.

BIRTHS.

There were 7,261 births registered in the Borough in 1904, 3,730 being males and 3,531 females, giving a **birth-rate of 31·7** per thousand of the population.

This is a decrease from the previous year of 23 births, or a reduction in the birth-rate of 0·1 per thousand.

The birth-rate in the Regent Road District was 34·5; in the Greengate District, 33·3; in Pendleton, 32·9; and in Broughton, 25·3.

The birth-rate for the 76 large towns averaged 29·1, and for the whole of England and Wales, 27·9; as compared with 31·7 in Salford.

There were 240 births registered as illegitimate or 3·3 per cent. of the total births.

The illegitimate births in the various districts were—

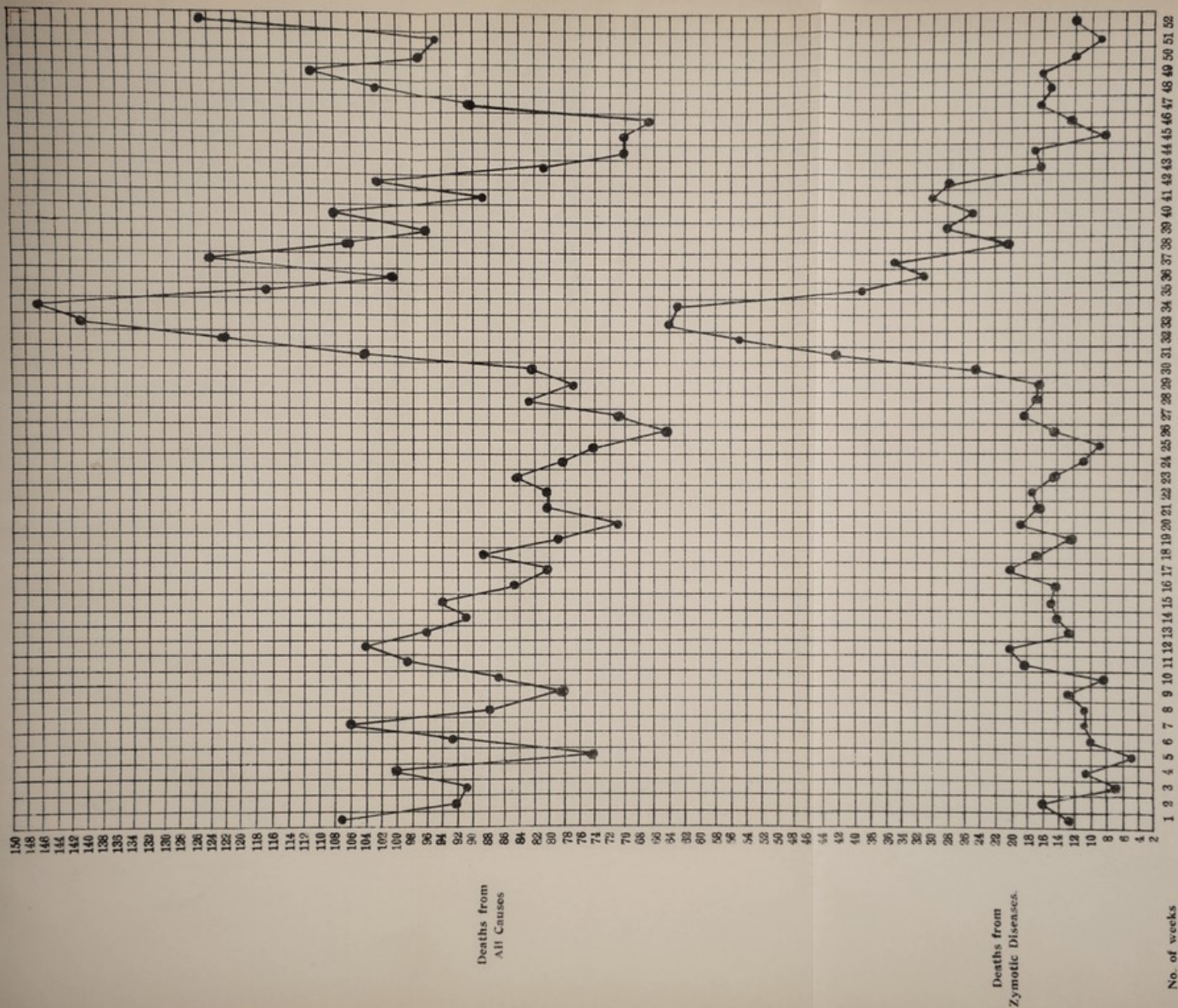
Regent Rd.,	79	or	3·2	per cent. of the total births.
Greengate,	36	or	3·3	„ „ „
Pendleton,	87	or	3·7	„ „ „
Broughton,	38	or	2·9	„ „ „

The average rate for the preceding ten years were :—
Regent Road, 3·2 per cent. ; Greengate, 4·6 per cent. ;
Pendleton, 3·4 per cent. ; and Broughton, 2·9 per cent.

There were 59 illegitimate births in the first quarter, 59 in the second, 66 in the third, and 56 in the fourth.

Still Births.—I have ascertained from the Registrars

Deaths in each week from All Causes, and from Zymotic Diseases, 1904.



of the Cemeteries that the bodies of 322 still born children have been buried. It is extremely unsatisfactory that the registration of the births of still born infants is not compulsory.

DEATHS.

The total number of deaths registered in the Borough during 1904 was 4,809, of which numbers 2,537 were males and 2,272 females, giving a **death-rate of 21·0** per thousand of the population.

There were 1,197 deaths in the first quarter of the year, 1,041 in the second, 1,361 in the third, and 1,210 in the fourth.

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 the Regent Road District was 23·7 per thousand, as compared with 24·0 the average for the preceding five years and 21·0 the death-rate for the whole Borough.

In Greengate the death-rate was 28·3 per thousand, as compared with 29·8 per thousand for the preceding five years; in Pendleton it was 19·5, as compared with 19·7; and in Broughton 14·7, as compared with 16·1, the average for the preceding five years.

Thus, Regent Road and Greengate were above the average for the Borough, and Pendleton and Broughton were below it. This is exactly what might have been expected, Greengate and Regent Road being the older portions of the Borough.

Deaths at Various Ages.—These are shown 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 80·8 per thousand against 70·1; from five to 15 years of age the rate is 3·8 against 4·1; from 15 to 25, 4·0 against 3·5; from 25 to 65, 15·0 against 14·7; and over 65, 108·0 against 92·5 per thousand.

Infant Mortality.—There were 1,399 deaths of infants under one year of age, registered during the year, giving a death-rate of 193 per thousand births. This is a distinct increase on the previous year, when the death-rate was 168 per thousand births.

The chief causes of death among infants, compared with the average of the preceding five years were—

Zymotic diseases	537	compared with	381
Atrophy, marasmus, debility	153	„ „	197
Premature birth.....	161	„ „	156
Convulsions	77	„ „	96
Bronchitis and pneumonia	210	„ „	215
Disease of digestive system	93	„ „	134

The 537 deaths from zymotic disease were principally due to diarrhœa, 294; measles, 52; whooping cough, 62; and tuberculosis, 94.

The work of the Lady's Health Society's Visitors in the Greengate District, in keeping each newly born child under observation, has been continued, and the information contained in Tables A, B and C has been obtained.

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

Nature of Food.	Number of Births.	Per cent. of total.	Number of Deaths.	Death Rate per 1,000.
Breast only	847	81·1	109	128·6
Breast with other milk or food	84	8·0	16	190·5
Fresh milk	72	6·9	19	264·0
Other Food	41	3·9	18	439·0
Totals	1044	...	162	155·1

TABLE B.—DEATHS OF INFANTS UNDER ONE YEAR DURING THE YEAR 1904.

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 ...	20	...	...	...	...	...	...	...	...	...	...	...	20	18.7
Congentl. Malform.	2	...	...	...	...	...	...	...	...	...	...	...	2	1.8
Debility & Atrophy.	5	11	4	3	2	1	...	1	...	...	...	...	27	26.2
Lung Disease	2	3	5	6	4	4	2	2	2	3	2	1	36	33.7
Tubercular Disease	...	1	1	...	1	...	2	4	1	1	1	1	13	12.2
Enteritis	...	1	3	...	...	...	...	...	...	...	2	...	6	5.6
Diarrhoea	3	2	5	4	3	3	2	4	1	3	3	2	35	32.8
Convulsions	1	5	...	2	...	2	...	...	...	...	...	1	11	10.3
Measles	...	...	...	...	...	...	...	...	...	1	...	3	4	3.7
Whooping Cough...	...	...	1	...	2	...	2	...	3	1	...	1	10	9.3
Overlaid	...	2	...	...	...	...	...	...	...	...	...	...	2	1.8
Other Causes	6	5	1	1	1	...	...	2	1	1	...	...	18	16.9
Totals.....	39	30	20	16	13	10	8	13	8	10	8	9	184	172.6

TABLE C.—SHEWING THE DEATHS OF INFANTS UNDER ONE YEAR, WITH THE NATURE OF FOOD AND THEIR DEATH RATES PER 1,000 BIRTHS.

Cause of Death.	I. Breast only.	Rate per 1,000 Births.	II.—Breast, with Other Milk or Food.	Rate per 1,000 Births.	III. Fresh Milk.	Rate per 1,000 Births.	IV. Other Food.	Rate per 1,000 Births.
Premature Birth	7	8·2	...	...	1	13·9	2	48·8
Congen. Malform	...	...	...	...	...	...	1	24·4
Debility and Atrophy ...	14	16·5	2	23·8	6	83·3	1	24·4
Lung Disease	28	33·0	1	11·9	1	13·9	6	146·3
Tubercular Disease.....	8	9·4	4	47·6	1	13·9	...	...
Enteritis	4	4·7	1	11·9	1	13·9	...	...
Diarrhoea.....	22	25·9	5	59·5	2	27·9	4	99·7
Convulsions.....	3	3·5	1	11·9	4	55·5	2	48·8
Measles	4	4·7	...	...	...	...	...	...
Whooping Cough	8	9·4	1	11·9	...	...	1	24·4
Overlaid	2	2·3	...	...	...	...	...	...
Other Causes of Death...	9	10·6	1	11·9	3	41·6	1	24·4
Totals.....	109	128·6	16	190·4	19	263·9	18	439·0

The Health Committee were desirous of making an experiment by providing sterilised milk for the feeding of at least 100 infants, and an inquiry was made into the feeding of 1,595 infants. To our surprise we found that only 156, or 9·8 per cent. were fed artificially, and as

these were scattered in different parts of the town, I advised the Committee that, as over 90 per cent. of the children were breast fed, it did not appear that the expense of the experiment would be justified.

The cases were carefully verified, and in every case the mother was actually seen giving the child the breast.

The most remarkable fact which has been ascertained is the very large proportion of the infants which were fed from the breast.

Comparing the mortality with the previous year there is an increase in each group, except that fed on fresh milk alone, and here the death rate has dropped from 320 to 264 per thousand. This again may be fairly attributed to the greater care and cleanliness engendered by the advice of the Visitors.

Table B is compiled from the returns of the Visitors, and relates to 1,262 infants born in 1903 and kept under observation until they arrived at the age of 12 months or died.

It is noticeable that the death rate of these children, although living in our most unhealthy district, was below the rest of the Borough, being 155 per thousand as compared with a rate for the Borough in 1903 of 168.

It should also be stated that about 70 out of the 190 deaths occurred before the infants came under observation.

Among the 1,262 infants observed there were 39 illegitimate. Of these 9 died, 10 removed out of the

district and were lost sight of, and 20 lived to the age of 12 months.

I learn from the Visitors that there has been a distinct improvement in the condition of the dwellings during the year, and that they find mothers more willing to accept advice, as to the feeding of their infants, than they were when the movement was first commenced.

In Table No. 14 the infant mortality rate for the 33 Great Towns is given, and Salford is 31st on the list.

Compared with the eight Lancashire towns as regards Infantile Mortality Salford stands sixth, the rates being Oldham 155, Bolton 167, Preston 183, Manchester 187, Blackburn 192, Salford 193, Liverpool 196, and Burnley 233.

Senile Mortality.—Of the total deaths 720 or 15 per cent. of the total deaths, or one per cent. more than that of last year.

Of these 130 were certified to have died from old age, 123 from heart disease, 158 from bronchitis, and 39 from pneumonia.

Comparison of the Death Rate in Salford with that in the 33 Great Towns.—This is shown in Table No. 14, where the details will be found.

The death rate for the year in the whole of England and Wales was 16·2 per thousand, in the 76 Great Towns it averaged 17·2, and in Salford it was 21·0 per thousand.

Classification of the Causes of Death.—This is set out in full detail in Table No. 12 appended to this report.

From this it is seen that of this total, 4,809 deaths from all causes, there were from—

Zymotic diseases	1,737	deaths, or	36.1	per cent. of the total deaths.
Constitutional	„	169	„	3.5
Developmental	„	344	„	7.2
Local	„	2,104	„	43.7
Other	„	455	„	9.5
		4,809		100.0

Zymotic Diseases.—The zymotic death rate for the year was 4.3 per thousand of the population, as compared with 2.8 in the previous year, 2.6 in 1902, and 4.2 in 1901.

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

	1904.	1903.		1904.	1903.
Measles.....	254	131	Whooping Cough...	139	96
Scarlet Fever	56	57	Diphtheria	116	86
Fever {	Typhus ...	4	Diarrhoea	372	224
	Enteric ...	47	Small-pox	2	1
	Continued..	1			

Detailed information as to Zymotic sickness will be found in Part II. of this report.

Acute Lung Diseases.—From bronchitis, pneumonia, and pleurisy, 910 deaths were registered, against 882 for 1903, 973 for 1902, and 952 for 1901. From bronchitis there were 485 deaths, giving a death rate of 2.1 per 1,000 persons living, while from pneumonia there were 418 deaths, giving a death rate of 1.8.

From respiratory diseases generally there were 28 more deaths than in 1903.

Cancer.—There were 137 deaths registered as being due to cancer or malignant disease, giving a death rate of 0·6 per thousand.

The rate is 0·1 per 1,000 less than that of last year.

Nervous Diseases.—From the various nervous diseases there were 393 deaths, giving a death rate of 1·7 per 1,000, as compared with 1·9 in 1903, 2·0 in 1902, 1·9 in 1901, and 2·3 the average for the five years 1896 to 1900.

Heart Disease.—There were 376 deaths from heart disease. This gives a death rate of 1·6 per 1,000, compared with 1·4 for 1903, 1·4 for 1902, 1·5 for 1901, and 1·4 the average for the five years 1896 to 1900.

Comparison with Decennial Averages.—In Table 13 there will be found an interesting comparison of the deaths from various specified causes, in 1904, with the decennial average number for the Borough, and from this it will be seen that in nine diseases there was an increase, viz., small-pox with an excess of 2, measles 67, whooping cough 10, diphtheria 44, diarrhoea 38, tuberculosis 59, premature birth 11, heart diseases 77, and urinary diseases 4.

The greatest diminution was in respiratory diseases, which were 117 below the average, and the greatest excess was in heart diseases, which were 77 above the average.

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

PART II.
INFECTIOUS DISEASES.

PART II
INFECTIOUS DISEASES

PART II.

INFECTIOUS DISEASES.

The total number of cases of infectious disease notified to the Health Department, under the Infectious Diseases Notification Act for the year 1904, was 1,930, which is 330 more than in the previous year and 126 above the average for the preceding five years.

There were 57 cases of small-pox, 1,043 of scarlet fever, 422 of diphtheria, and 202 of enteric fever. Full details, for comparison, of these figures with preceding years will be found in Table No. 18, but it may be here stated that, with the exception of small-pox, these numbers show an increase from those of 1903, and, with the exception of small-pox, scarlet fever, and diphtheria, show a slight decrease from the average of the preceding five years.

The zymotic death-rate for the year was 2·8 per thousand, compared with 2·6 in 1902, 4·2 for 1901, 4·1 for 1900, and 4·4 for 1899. These figures include the deaths from diarrhœa, measles, and whooping cough, in addition to the notifiable diseases.

Particulars as to sickness from the non-notifiable infectious diseases cannot be given, but the particulars of mortality are as follows:—

Phthisis	452 deaths.
Other Tubercular Diseases.....	194 „
Measles	254 „
Whooping Cough	139 „
Diarrhoea	372 „
Influenza	31 „

The accompanying chart shows the weekly incidence of the cases notified, from which it will be seen that the highest number in any one week was 63, which occurred in the 40th week, and the lowest number was 13 in the 15th week. In 1903 the highest number was 52 in the 18th, 25th, and 40th weeks, and the lowest, 18 cases in the 22nd week.

Comparison with England and Wales, &c.—The mortality rates from scarlet fever, diphtheria, whooping cough, measles, and diarrhoea, are given in Table No. 23, where they are compared with the similar rates for England and Wales, the 76 Great Towns, and London.

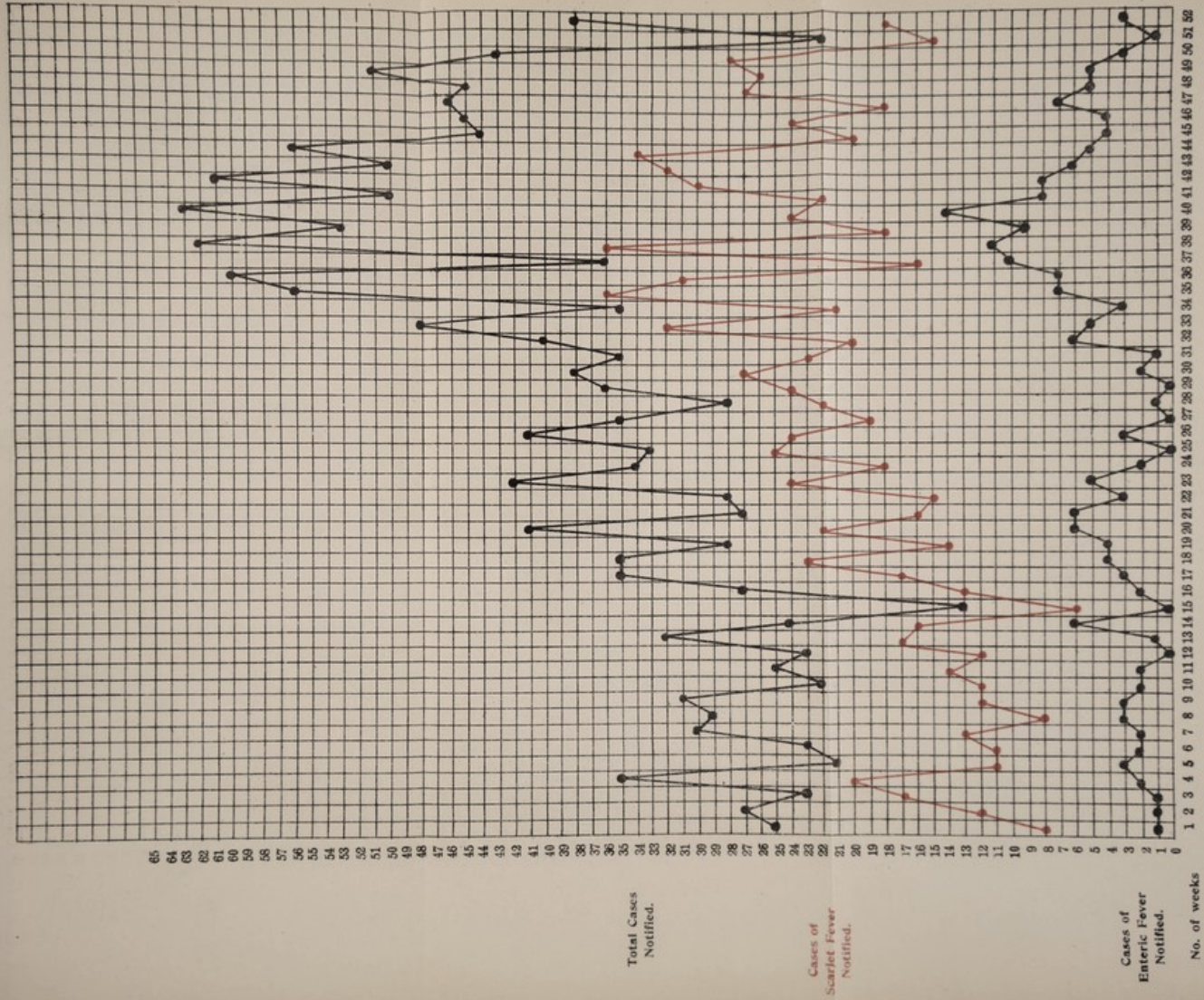
SMALL-POX.

Ages.	Vaccinated.			Unvaccinated.		
	Cases.	Deaths.	Percentage.	Cases.	Deaths.	Percentage.
Under 1 year...	...	...	...	...	...	...
1 to 5 years ...	1	...	...	...	...	...
5 to 15 „ ...	1	...	...	5	...	...
15 to 25 „ ...	15	...	...	1	...	...
25 to 65 „ ...	31	2	6.4	3	...	...
Over 65 „ ...	...	...	...	...	...	...
TOTAL	48	2	4.0	9	...	...

57 cases of small-pox occurred in the Borough of Salford during the year 1904.

Notification of Infectious Disease, 1904.

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



Of these, 48 were vaccinated (this number includes all those with any vaccination marks, however small), and 9 were unvaccinated.

Of the vaccinated cases, 4·0 per cent. proved fatal.

In 13 instances the disease was imported into Salford from the following places, namely;—Stockport, Manchester, Liverpool, Oldham, Ashton, Hollinwood, Rossendale, and from Douglas, Isle of Man.

In 12 cases no trace of the source of infection could be found.

About 2,100 re-vaccinations were performed in direct connection with the cases of small-pox which occurred during the year. This number does not include the re-vaccinations which were performed at the Workhouse, Union Infirmary, and the Salford Royal Hospital. A fair amount of re-vaccination took place especially in the Broughton district.

No case of small-pox occurred in a recently vaccinated or re-vaccinated person.

SCARLET FEVER.

Ages.	Cases.	Deaths.	
		Total.	Percentage.
Under 1 year ...	22	3	13·7
1 to 5 years...	348	42	12·1
5 to 15 „ ...	588	11	1·9
15 to 25 „ ...	63	...	...
25 to 65 „ ...	22	...	...
Over 65 „ ...	...	...	...
TOTAL.....	1,043	56	5·4

There were 1,043 cases of scarlet fever notified during 1904. This number is more by 306 than that for the preceding year and 83 more than the average for the preceding five years.

The attack rate is therefore 45·5 per 10,000 of the population, as compared with 32·5 for the preceding year.

There were 56 deaths, giving a mortality rate of 5·4 per cent. of the cases or 0·24 per thousand of the population.

The cases were spread over the whole year, as shown on the accompanying chart, being most numerous in the month of September, when there were 137 notifications, and fewest in February, when there were 43 notifications.

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

	1899.	1900.	1901.	1902.	1903.	Mean.	1904.
Salford (Borough)...	3·34	6·02	5·96	3·28	3·25	4·37	4·55
Regent Road	2·79	5·54	4·86	2·49	2·84	3·70	4·02
Greengate.....	3·26	6·70	9·13	3·02	3·11	5·04	2·65
Pendleton.....	3·69	6·63	4·97	3·37	4·09	4·55	5·06
Broughton	3·75	5·41	6·73	5·04	2·78	4·74	5·83

In respect of age scarlet fever showed itself to be mainly a disease of youth, 56 per cent. of the cases occurring between the ages of five and fifteen, 8 per cent. were over fifteen years of age, and 36 per cent. were children under five years of age. The mortality, as might be expected, is much the heaviest among the latter, being over 13 per cent. of the cases, whereas between the ages of five and fifteen the mortality was 2 per cent., and there were no deaths over fifteen.

The Broughton District suffered most, the attack rate being 58·3 per 10,000 of the population; in Pendleton the rate was 50·6; in Regent Road, 40·2; and in Greengate, 26·5.

There were removed to the Ladywell Sanatorium 799 cases, or 77 per cent. of the total cases.

RETURN CASES OF SCARLET FEVER.

During the year the experiment of discharging patients earlier than in the past has been continued. Desquamation as an indication of convalescence has been entirely ignored, and the patients have been discharged at the end of four weeks, or as soon afterwards as their general condition permitted, patients with nasal or ear trouble being retained until convalescent.

During the year 1904, 757 patients were discharged. Of these 410 were still desquamating.

From these 410 cases 35 were connected with so-called "return cases," or 8·5 per cent., while of the remaining 347, who were discharged after desquamation had been completed, 38, or 10·9 per cent., were connected with "return cases."

These figures for "return cases" appear very high, but they include cases which occurred as long as seven weeks after the return of the first case. If the return cases be limited to those occurring within three weeks of the return home from the hospital, of the primary case 30 of the 410 desquamating cases discharged proved capable of conveying infection, or 7 per cent.; and 32 of the 347 discharged after desquamation had been completed, or 9 per cent.

In either case the net result of the experiment is to prove that we were quite correct in neglecting entirely the presence or absence of desquamation as an indication of the presence or absence of infection. This is further confirmed by the fact that although so many cases were discharged desquamating there is a slight reduction in the percentage of return cases.

These return cases have been carefully inquired into, and the primary cases examined. It was found that in 9.6 per cent. of the primary cases nasal discharge and in 2 per cent. ear discharge was present. In the remaining 88.4 per cent. nothing tangible to account for the occurrence of return cases could be discovered.

CASES OF SCARLET FEVER FOR THE YEAR 1904.
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	654	62.7	1175	154	13.1
Primary Cases in houses of four rooms or less	326	31.3	562	79	14.1
Primary Cases in houses of more than four rooms	328	31.4	613	75	12.2

CASES OF SCARLET FEVER FOR THE YEAR 1904.—*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	218	20'9	223	17	7'6
Primary Cases in houses of four rooms or less	63	6'0	60	4	6'7
Primary Cases in houses of more than four rooms	155	14'9	163	13	8'0

DIPHTHERIA.

There were 422 cases of diphtheria notified during 1904, compared with 335 in 1903, and 260 the average for the preceding five years.

There were 116 deaths registered from diphtheria, giving a death rate of 27 per cent. of those attacked, compared with a death rate of 26 per cent. in 1903, and an average for the preceding five years of 32 per cent.

AGES.	CASES.	DEATHS.	
		TOTAL.	PERCENTAGE.
Under 1 year ...	9	3	33'3
1 to 5 „ ...	156	66	42'3
5 to 15 „ ...	201	46	22'9
15 to 25 „ ...	24	1	4'2
25 to 65 „ ...	29	...	...
Over 65 „ ...	3	...	...
TOTAL.....	422	116	27'5

The cases were spread over the whole year, the numbers ranging from 22 in May to 58 in October.

With regard to age, 366 cases or 87 per cent. were children under 15 years of age, and 165 cases or 39 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 42 per cent. of the cases.

In respect to district, 106 cases occurred in Regent Road District, 52 in Greengate, 149 in Pendleton, and 115 in Broughton. The attack rate was highest in Broughton, being 22·1 per 10,000 persons living, and the lowest in Regent, where it was 14·6 per 10,000.

During the year 161 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.....	422	116	27·5
Specimens submitted to Bacteriological examination with Positive results	66	7	10·6
Specimens submitted to Bacteriological examination with Negative results	95	2	2·1

Comparing Salford with England and Wales, the 76 Great Towns, and London, the mortality rates were as follows per 10,000 living.

England and Wales.....	2
76 Great Towns	2
London	2
Salford	5

With a view of ascertaining the value of the Anti-toxin treatment so extensively used at the Ladywell Sanatorium, I was instructed by the Committee to prepare statistics which would enable them to decide whether the large expense entailed was justified.

The following tables were then prepared showing the cases of mortality from diphtheria in home treated cases and in hospital. The figures are divided into two periods, one prior to 1895 and the other subsequent to that date, when the Anti-toxin treatment was adopted in the hospital. Some cases of diphtheria are admitted to the hospital in a moribund condition, and it was obviously unfair to debit the hospital with these deaths, so the three tables, A, showing the deaths among the home treated cases; B, among the hospital treated cases (excluding the moribund cases); and C, the home treated cases including the moribund were prepared, and the comparison is more justly made between B and C.

The figures are very remarkable, the death rate having since 1895 slightly diminished in the hospital, whereas it has increased 33 % in the home treated cases. Thus apparently with a much more virulent form of the disease the hospital mortality has remained at 20 %.

TABLE A.

CASES TREATED AT HOME.

TABLE SHOWING THE NUMBER OF CASES, EXCLUSIVE OF HOSPITAL REMOVALS, IN THE COUNTY BOROUGH OF SALFORD, WITH THE DEATHS AND PERCENTAGES FOR THE YEARS 1886 TO 1903.

Year.	Notified Cases.	Deaths.	Percentages.
1886	38	12	31'58
1887	76	19	25'00
1888	136	45	33'09
1889	573	169	29'49
1890	524	138	26'33
1891	174	56	32'18
1892	169	35	20'71
1893	211	50	23'69
1894	167	55	32'93
Average for the 9 years..			28'33
1895	154	61	39'61
1896	122	44	36'06
1897	77	23	29'87
1898	55	21	38'18
1899	99	41	41'41
1900	176	54	30'68
1901	181	67	37'02
1902	141	45	31'91
1903	136	42	30'88
Average for the 9 years..			35'07

TABLE B.

CASES TREATED IN LADYWELL SANATORIUM.

TABLE SHOWING THE NUMBER OF CASES REMOVED TO HOSPITAL, WITH THE DEATHS AND PERCENTAGES FOR THE YEARS 1886-1903, EXCLUDING CASES WHICH DIED WITHIN 24 HOURS OF ADMISSION.

Year.	Cases Removed.	Deaths.	Percentages.
1886	3	0	0'00
1887	7	2	28 57
1888	36	13	36'11
1889	105	24	22'85
1890	173	61	35'26
1891	53	18	33'96
1892	54	12	22'22
1893	48	4	8'33
1894	71	5	7'04
	Average	for 9 years..	21'59
1895	36	8	22'22
1896	31	3	9'68
1897	23	6	26'09
1898	37	7	18'92
1899	71	20	28'17
1900	124	27	21'77
1901	225	59	26'22
1902	138	17	12'32
1903	183	28	15'30
	Average	for 9 years..	20 07

TABLE C.
CASES TREATED AT HOME, INCLUDING THOSE DYING WITHIN 24 HOURS
AFTER ADMISSION TO HOSPITAL.

Year.	Notified Cases.	Deaths.	Percentages.
1886	38	12	31'58
1887	76	19	25'00
1888	139	48	34'53
1889	586	182	31'06
1890	531	145	27'34
1891	178	60	33'71
1892	177	43	24'29
1893	213	52	24'41
1894	171	59	34'50
Average for the 9 years..			29'60
1895	158	65	41'14
1896	127	49	38'58
1897	80	26	32'50
1898	60	26	43'33
1899	113	55	48'67
1900	185	63	34'00
1901	195	81	41'54
1902	154	58	37'66
1903	152	51	38'16
Average for the 9 years..			39'51

ENTERIC OR TYPHOID FEVER.

There were 202 cases of enteric fever notified during 1904, which is an increase of 24 when compared with 1903, and a decrease of 98, the average of the preceding five years. This gives an attack rate for the Borough of 88 per 100,000 persons living. Out of the 202 cases, 47 died, giving a mortality rate of 23 per cent.

The cases were most numerous in the months of September and October, reaching their highest point, 14 cases, in the 40th week; they were least numerous in the months of January, March, and July. 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 25 to 65 years, the number (83) being 41 per cent. of the total cases.

AGES.	CASES	DEATHS.	
		TOTAL.	PERCENTAGE.
Under 1 year ...	1	...	...
1 to 5 „ ...	13	4	30'7
5 to 15 „ ...	56	5	8'9
15 to 25 „ ...	49	13	26'5
25 to 65 „ ...	83	25	30'1
Over 65 „ ...	...	...	...
TOTAL.....	202	47	23'3

In respect to district, 135 cases occurred in Regent Road District, 15 in Greengate, 42 in Pendleton, and 10 in Broughton. The attack rates in the various districts were 186 per 100,000 living in Regent Road District, 45 in Greengate, 59 in Pendleton, and 19 in Broughton.

There were 149 cases removed to the Sanatorium, or 74 per cent. of the total cases, as compared with 66 per cent. in 1903, 57 in 1902, 56 in 1901, and 57 in 1900.

ENTERIC FEVER.

	Cases.	Mortality.	Percentage.
Notification of Enteric Fever...	202	47	23'3
Specimens submitted to Bacteriological examination with Positive results	48	11	22'9
Specimens submitted to Bacteriological examination with Negative results	68	1	1'5

PUERPERAL FEVER.

There were 21 cases of this disease notified during the year, of which 9 occurred in Regent Road District, 2 in Greengate, 8 in Pendleton, and 2 in Broughton.

There were 7,261 births during the year, so that the attack rate was 0'3 per cent.

Of these cases 10 died, giving a mortality rate of 48 per cent.

ERYSIPELAS.

There were 168 cases of erysipelas during the year

1904, as against 161 in 1903, 164 in 1902, 230 in 1901, 179 in 1900, 153 in 1899, 146 in 1898, and 121 in 1897.

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 254 deaths from measles during the year, giving a death rate of 111 per 100,000 living. This is almost double the number for last year, which was 57; the numbers for the preceding five years being 1898, 46; 1899, 97; 1900, 57; 1901, 51; and 1902, 68.

An arrangement is in existence with the officials of the Education Committee, 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 are issued and distributed by the Health Visitors pointing out the dangerous character of the disease, and advising as to the precautions to be taken to prevent its spread.

WHOOPIING COUGH.

There were 139 deaths from whooping cough during the year, 134 of which occurred among children under five years of age. The death rate for the Borough was 61 per 100,000 persons living, as compared with 42 for 1903, and 53 the average for the past five years. The death rate for England and Wales was 34 per 100,000, and the average for the 76 great towns was 40.

In Regent Road District there were 31 deaths, 33 in Greengate, 59 in Pendleton, and 16 in Broughton.

DEATHS FROM WHOOPING COUGH IN THE YEAR 1904.

QUARTERS.	AT ALL AGES.					UNDER FIVE YEARS.				
	Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.	Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.
1st.	41	6	16	14	5	39	6	15	13	5
2nd.	71	13	15	34	9	70	12	15	34	9
3rd.	25	10	2	11	2	23	8	2	11	2
4th.	2	2	...	...	...	2	2	...	...	...
Year	139	31	33	59	16	134	28	32	58	16

DIARRHŒA.

The death rate from diarrhœa was 1·61 per 1,000 living, as compared with 0·99 last year, 0·63 in 1902, 1·86 in 1901, 1·45 in 1900, and 2·09 in 1899. The warmer summer accounts for the increase over last year's rate, which was exceptionally low.

TUBERCULOSIS.

During the year there were 646 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 67 specimens examined bacteriologically during the year.

DEATHS FROM TUBERCULOSIS.

Tuberculosis of Lungs.....	45 ²
„ Abdominal.....	75
„ Brain	43
„ General	2
„ Other forms	74

EPIDEMIC INFLUENZA.

Thirty-one deaths were returned as directly due to this cause. The Pendleton and Broughton Districts appear to have suffered most—11 from Broughton, 11 from Pendleton, 4 from Greengate, and 5 from Regent Road.

EPIDEMIC INFLUENZA MORTALITY, 1904.

DISTRICT.	Total Deaths	0-5 years.	5-15 years.	15-25 years.	25-65 years.	65 years and upwards
Regent Road.....	5	...	...	...	4	1
Greengate	4	1	...	...	3	...
Pendleton	11	2	...	...	7	2
Broughton.....	11	...	...	1	3	7
Borough	31	3	...	1	17	10

MEASURES TAKEN TO PREVENT THE SPREAD OF INFECTIOUS DISEASE.

Isolation.—Out of the total, 1,930 cases of infectious disease notified during the year, 1,342, or 70 per cent., were removed to the Ladywell Sanatorium and to Drinkwater Park, and there isolated.

Disinfection.—All infected bedding has been stoved in the steam disinfecter.

During the year 7 schools were disinfected in consequence of the prevalence of typhus, measles, scarlet fever, and diphtheria.

Bacteriology.—344 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 1904 :—

Enteric Fever.—116 examinations made, positive reactions obtained 48, or 41·4 per cent.

Diphtheria.—161 examinations made, and the specific bacilli were found in 66 cases, or 41·0 per cent.

Phthisis.—67 tests were made, and tubercle bacilli were found in 21 cases, or 31·3 per cent.

PART III.

WORK OF THE HEALTH DEPARTMENT

PART III.

WORK OF THE HEALTH DEPARTMENT.

The staff of the Department consists of an Assistant Medical Officer, a Veterinary Surgeon, and 15 Inspectors, including one Female Inspector. There are also 8 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 1904, 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 3,760, as compared with 2,170 received in 1903; also that 9,868 dwelling-houses were inspected during the year, and that 41 cases of overcrowding were abated. 1,518 house-drains were repaired, 3,152 were reconstructed, 221 properly trapped, 6 waste pipes disconnected from drains, and also 130 rain-water pipes. In respect to water-closets, 3,500 new ones were provided, and two were properly ventilated, 11 soil pipes were also ventilated. 266 houses were closed as unfit for human habitation. 320 seizures were made of meat unfit for food, which included animals that had died in transit to the

market, and 826 samples of food were purchased for the purpose of analysis.

HOUSING OF THE WORKING CLASSES.

Seaford Road.—The scheme for building 252 houses on this site has been completed, and the dwellings are now occupied.

Springfield Lane.—This scheme for 76 tenements has been sanctioned by the Local Government Board, and a portion of the contract has been let.

Barracks Site (319 cottages, 32 shops).—The cottages have been well let during the year, but, owing largely to bad trade, considerable difficulty has been experienced in letting the shops.

Queen Street Dwellings (69 tenements).—These have been well let during the year.

King Street Cottages (36 cottages).—These have been well let, but, owing to the removal of works from the neighbourhood, it was considered advisable to reduce the rents from 6s. 6d. per week to 6s.

The financial statement for the year for each of the schemes already completed is given below.

Barracks' Site.—319 houses are now let on this site.

RECEIPTS.	1904-5.	EXPENDITURE.	1904.
	£ s. d.		£ s. d.
Weekly Rents	6778 4 9	General Expenditure..	2631 0 4
Balance.....	1122 18 10	Interest and Sinking	
		Fund.....	5270 3 3
	<u>£7901 3 7</u>		<u>£7901 3 7</u>

Artizans' Dwellings.

RECEIPTS.	1904.
	£ s. d.
Weekly Rents	774 13 0
Balance.....	107 4 5
	£881 17 5

EXPENDITURE.	1904.
	£ s. d.
General Expenditure. .	348 8 6
Interest and Sinking	
Fund on Building	533 8 11
	£881 17 5

Artizans' Cottages.

RECEIPTS.	1904.
	£ s. d.
Weekly Rents	576 3 0
	£576 3 0

EXPENDITURE.	1904.
	£ s. d.
General Expenditure. .	188 9 7
Interest and Sinking	
Fund on Buildings	350 9 10
Balance.....	37 3 7
	£576 3 0

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.

Owing to bad trade there has been a slight falling off in the number of lodgers during the year.

RECEIPTS.	1904.
	£ s. d.
Rents	1970 6 9
Sundry Receipts	49 7 2
Balance.....	582 10 9
	£2602 4 8

GENERAL EXPENDITURE.	1904.
	£ s. d.
General Expenditure. .	1844 8 7
Sinking Fund Instal-	
ment and Interest..	757 16 1
	£2602 4 8

Common Lodging Houses.—There were 36 Common Lodging Houses on the register at the end of the year, including Bloom Street, namely, 10 in the Regent Road District, 21 in Greengate District, and 5 in Pendleton District. These houses contain 224 rooms, and accommodate 1,459 lodgers. 1,690 inspections have been made, 1,671 in the day time, and 19 at night.

COMMON LODGING HOUSES IN GREENGATE
FOR THE YEAR 1904.

Number of Lodging Houses	21
Number of Beds	1,009
Average Number of Occupants	75 ²
Number of Deaths	43
Death Rate per 1,000	57 ²

Seamen's Lodging Houses.—Owing to the development of Salford as a port, there has been a great increase in the number of seamen's lodgings in the Borough, and consequently in the number of houses kept for the special purpose of receiving them. With a view of regulating them, Bye-laws under the Merchant Shipping Act were made and approved by the Board of Trade.

An order has been made by His Majesty's Privy Council constituting Salford a seaport, and making the registration of Seamen's Lodging Houses compulsory.

Under these Bye-laws, 21 applications for licenses were made during the year, but in only 15 instances were the premises found to comply with the regulations.

These 21 houses contain 64 rooms and 154 beds, accommodating 154 seamen.

Four hundred and seventy-three visits were made during the day and 12 visits during the night under the regulations.

Unfortunately the property in the neighbourhood of the docks is all of the small cottage type, and is unsuitable for use as seamen's lodging houses, but there appears to be a greater disposition to supply proper accommodation than there was.

Factory and Workshops Acts.—Detailed information as to the work done under these Acts is given in the tables which are arranged in the form suggested by the Chief Inspector of Factories.

Total number of workshops in the district as per Register, 940, including—

Tenement workshops	14
Domestic workshops	119
Retail bakehouses	234
Laundries.....	22
Other workshops	551

Note as to the chief workshop industries in the district.—No special industries. Shoemakers and repairers, 179. Dress and mantle makers, 131.

SANITATION.

	Workshops.	Domestic Factories and Domestic Workshops.	Workshops.
Cleanliness.		...	...
No. of Notices served under Public Health Acts	7 Nuisance abated	...	...
No. of Notices to cleanse under Sec- tion 2	41	...	...
Legal proceedings	Nil Nuisance abated	...	...
Air Space.			
No. of Notices to abate overcrowding	3 Nuisance abated	...	...
No. of Notices to affix card, Section 3 (4) ...	Nil	...	...
Legal proceedings.....	Nil Nuisance abated	...	...
Ventilation.			
No. of Notices under Public Health Act ...	Nil	...	...
Legal proceedings	Nil Nuisance abated	...	...
Means of Ventila- tion.			
Action under new powers of Section 7...	Nil		
Drainage of Wet Floors.			
Action under Sec. 8. Notices served under Public Health Act, sanitary defects	17 Nuisance abated		

Additional Sanitation for Retail Bakehouses.

Secs. 97 to 102.

Number of such premises in the district, **222**.

Note as to their general sanitary condition—Ground floor bakehouses, good ;
13 underground being dealt with.

Action taken as to retail bakehouses during 1904, **7**.

	No. of defects found.	Notices served.	Legal proceedings.	Defects remedied.	Remarks.
As to closets, &c., Sec. 97	...	...	...	...	
As to water cisterns, Sec. 97 ...	...	...	...	...	
As to drain openings, Sec. 97...	...	...	...	...	
As to limewashing, &c., Sec. 99	7	7	...	7	
As to sleeping places, Sec. 100	...	...	...	...	

Any proceedings under Section 98 as to retail bakehouses sanitarily unfit—
Nil.

(A) Underground bakehouses.

Number of such premises in district, **13**.Number certified by District Council under Sec. 101 (2), **9**.

Thirty cellar bakehouses have been closed during the year, 9 certificates have been granted, 6 new bakehouses are being erected to replace cellar ones, and those remaining are being dealt with.

Sanitary Conveniences.

(Only to be reported on in places where Sec. 22 of the Public Health Act Amendment Act is in force).

Date of adoption of Sec. 22 of the Public Health Act Amendment Act, 1890

Number of defects discovered thereunder in factories or workshops during 1904, **35**.

(A) Closets insufficient or unsuitable, **29**.

(B) Closets not separate for sexes, **6**.

Number of Notices issued under the section during 1904, **31**.

Home Work. Secs. 107 to 115.

Total number of lists of outworkers received during 1904, 6; representing employers, 276; contractors, 2; outworkers, 545.

Classification of Lists Received.

	Number of Lists Received.			Total number of such Employers or Contractors.	Total number of such Outworkers in the District.
	Up to Feb 1st, 1904.	To Aug. 1st, 1904.	Total to Dec. 31st, 1904.		
Outwork in connection with—					
Wearing apparel	4	2	6	278	545
Lace, lace curtains, &c. ...	...	...	...	..	...
Cabinet making, &c. ...	...	...	...	...	...
Electroplate	...	...	...	...	...
File making	...	...	...	...	...
Fur pulling	...	...	...	...	...
Cables and chains	...	...	...	...	...
Anchors and grapnels...	...	...	...	...	...
Cart gear, &c.	...	...	...	...	...
Locks, keys, &c.	...	...	...	...	...
Total.....	4	2	6	278	545

Outworkers' premises—Number inspected, 387. Number found unwholesome, nil.

Any prohibition as to infected houses (Sec. 110), nil.

(B) General.

Number and nature of sanitary defects reported to the authority by H.M. Inspectors during 1904, 19.

Water-closet accommodation deficient, 16. Separation of sexes and lime-washing 2. Defective floor, 1; action taken in consequence—Notices served.

Number of infringements reported by Sanitary Authority to H.M. Inspector (Sec. 133), 224.

Tuberculosis in Milk.—Five samples of milk were submitted by Mr. Fordham to Professor Delepine, 4 being samples from outside the Borough and 1 from a shippin in the Borough. One was certified to be tuberculous. Mr. Fordham visited two farms, 70 cows being on the farms.

Sale of Food and Drugs.—826 samples have been purchased for analysis during the year, and 3·6 per cent. of these proved to be adulterated. Owing to the difficulty in obtaining fair samples from fraudulent dealers it is necessary to purchase many samples in an unofficial manner. Of the total number of samples purchased 379 were official and 447 unofficial.

Full particulars are given in Table 30, appended.

Shop Hours Act.—There were 554 shops on the register in which young persons under 18 years of age were employed. This number is a decrease of 13 for the year 1904; and the number of young persons employed therein shows a decrease of 75 as compared with the year 1903.

MIDWIVES ACT.

Although the penal clauses of the Act to secure the better training of Midwives and to regulate their practice (31st July, 1902) do not come into operation until 1st April, 1905, it was considered desirable that as many Midwives as possible should become registered in 1904. The names and addresses of all women practising midwifery in the district were obtained. These were visited, and instructions given as to the methods of obtaining registration. By the end of the year thirty midwives had become registered. Each midwife after registration was again visited, and instructions given as to the performance of the various duties which under the Act now devolve upon them.

During the year 38 notifications of stillbirth have been received.

It is now required that on each occasion a midwife advises that medical assistance be obtained, she should notify the supervising authority of the fact, and of the reasons. Forty-one notifications have been received, and are classified below :—

Post-partum Hæmorrhage	1
Abnormal Presentations.....	6
Inertia of Uterus.....	7
Deformed Pelvis	2
Ruptured Perineum	4
Rise of Temperature	5
Accidental Hæmorrhage.....	3
Retained Placenta	4
Other Causes	9

Smoke Nuisance.—During the year 1904, 2,230 smoke observations have been made, as against 1,903 in the year 1903, and 2,053 in the year 1902.

138 stokers and others were cautioned by the Inspector for negligence in firing the furnaces under their charge ; at the same time, 93 firms were reported to and dealt with by the Health Committee ; also 107 firms have been furnished with a table of smoke observations taken from their chimneys.

TABLE SHOWING THE NUMBER OF HALF-HOURLY OBSERVATIONS
TAKEN DURING THE YEAR 1904.

Minutes of Black Smoke emitted in half-an-hour.	No. of Observations taken.	Percentage to Total.
No Black Smoke	752	33·7
One Minute	825	37·0
Two Minutes	422	18·9
Three Minutes	138	6·2
Over Three Minutes	93	4·2
Total Observations taken	2230	100·0

Several chimneys have been raised during the year, particularly in connection with small Workshops and Bakehouses.

Particulars as to smoke nuisances caused by firms

and firemen during the year 1904, and dealt with by the Health Committee :—

Eight firms were summoned and fined in the aggregate £27.

Eight firemen were summoned and fined in the aggregate £5.

Seven 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.

Diseases of Animals.—No case of Foot and Mouth Disease or Pleuro-Pneumonia has occurred in the Borough during the year 1904.

There have been two outbreaks of Swine Fever during 1904. 21 pigs were affected with the disease. These were slaughtered by order of the Board of Agriculture, 18 were slaughtered by the owners, and 7 died. These 46 pigs were destroyed in the Destructor. In each case disinfection and other precautions were taken.

No case of Glanders or Farcy occurred during the year.

No case of Sheep Scab was reported.

No case of Anthrax occurred.

Rabies.—One suspicious case of Rabies occurred. The head of the carcase was sent to the Board of Agriculture, but the case was not verified.

Two live dogs suspected of rabies were reported by the Police. They were kept under observation for several days, but no symptoms of the disease were noted.

Parasitic Mange.—40 horses and 2 donkeys were reported as suffering from Parasitic Mange during the year, and the Order of 1903 was carried out in each case.

Slaughter Houses.—There were 20 Slaughter Houses in use during 1904, which is the same as in 1903. The Slaughter Houses are kept under inspection by the Veterinary Inspector, who is assisted by the District Inspectors. They have been kept in a fair condition.

Shippons.—There were 12 Shippons in use in the Borough during the year, which is the number for 1903. These are inspected regularly, and generally kept in a sanitary condition.

Pig Keeping.—Complaints have been received from time to time as to a nuisance caused by the keeping of pigs on premises belonging to Mr. J. Hughes, Ordsall Lane and Queen's Terrace, Salford; and also Mr. J. Crapper, Frederick Road and Wallness Road, Pendleton; and in September a resolution of the Council was passed under the 37th section of the Act, 1867, requiring the tenants to discontinue the keeping of pigs. This order was complied with.

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

Nature of Trades.	No. of Trades in the Districts and Borough.					Discon- tinued. Newly Regis- tered.	
	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	2	1	1	4	1	...
Tanneries	0	1	0	0	1	...	...
Varnish and Tar...	2	4	...	0	6	1	...
Skin Mat Makers...	0	0	1	0	1	...	...
Floor Cloth Works	0	2	0	0	2	...	...
Rubber Works. .	1	2	2	0	5	...	...
Gut Scrapers ..	2	1	0	0	3	...	...
Candle Makers ..	1	0	0	0	1	...	...
Totals	12	15	19	1	37	2	...

Bye-laws adopted 10th September, 1904.

MONTHLY SEIZURES OF UNWHOLESOME MEAT.

Month.	No. of Seizures.	Weight.			
		Tons.	Cwts.	Qrs.	Lbs.
1904.					
January	30	1	13	2	24
February	39	3	10	1	4
March	43	4	6	...	...
April	24	1	17	2	4
May	29	2	8	2	19
June	23	2	15	3	27
July	18	2	...	...	6
August	33	2	3	2	21
September	20	1	17	...	26
October	17	2	7	1	8
November	23	1	16	...	20
December ..	21	1	10	2	16
Totals	320	28	7	1	7

	Tons.	Cwts.	Qrs.	Lbs.
Carcases of animals killed in transit	11 ...	0 ...	1 ...	16
„ given up by dealers and butchers...	16 ...	17 ...	3 ...	27
Seized in shop (beef)	0 ...	0 ...	1 ...	15
„ street on handcart (fish).....	0 ...	0 ...	0 ...	26
Surrendered fish, yeast, rabbits, and eggs ...	0 ...	8 ...	1 ...	7
	—	—	—	—
	28	7	1	7

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

	No. of Seizures.	Weight.			
		Tons.	Cwts.	Qrs.	Lbs.
Mutton	198	10	...	2	20
Beef	46	13	5	...	22
Veal	36	2	7	2	23
Pork	23	2	3	3	6
Fish	9	...	7	0	6
Goat	5	...	1	1	15
Yeast	1	...	...	2	...
Rabbit	1	...	...	2	14
Eggs	1	...	...	1	13
Totals	320	28	7	1	7

DRAINAGE WORK.

Number of tests made.....	785
„ applications	30
„ houses affected by the tests.....	1789
„ notices and reports issued	550
„ notices and reports complied with	529
„ drain inlets opened and cleared	638
„ houses examined after diphtheria and enteric fever	542
„ Drains found defective after examination ...	398

INSANITARY CONDITIONS FOUND.

Defects.	No. of Cases.
Drains wholly or partly choked	396
Drains defectively constructed	536
Gully traps badly laid	108
Drains defectively trapped	99
Waste pipes defectively trapped or connected to drains ...	10
Downspouts connected to drains	159
Soil pipes with leaking joints or improperly ventilated ...	48
Defective water-closets.....	52

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

Number of tests applied	5878
„ houses affected	6116
„ passage drains	159

Canal Boats.—During the year 1904, 413 canal boats were inspected, as against 206 in the year 1903, and 42 in the year 1902.

Of the boats inspected, 35 were found to contravene the Acts and Regulations.

The inspected boats contained 667 men, 206 women and 115 children under 12 years of age.

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

Boats working without certificates	9
Boats of which Numbers or Names were defective.....	6
Cabins dirty	...
Dilapidated	...
Water vessels defective.....	3
Painting and repairing	12
Overcrowding	1
Separation of sexes	1
Ventilation	3
Number of notices served on Owners.....	40
Summons issued	2

Conversion of Privy Middens and Pail Closets to Waterclosets.—This work has been steadily progressing during the year as shewn in Table 35. It is very unfortunate that the deficiency in the water supply of the Regent Road district prevents this work being carried out in that area, especially as owing to its proximity to the docks and the large number of very foul privy middens, its condition becomes increasingly dangerous.

Objection was taken to the conversion in the Seedley district on the ground that the sewers were inadequate. The Borough Engineer reported at length on this matter to the effect that, in his opinion, the sewers and the Sewage Works were quite capable of dealing with the additional sewage from waterclosets, if the whole of the closets in the Borough were waterclosets.

Sanitary Conveniences.—There are 18 conveniences in the Borough, under the control of the Health Committee, situated :—

- Trinity Market, Salford.
- Liverpool Street, Salford.
- Broughton Lane, Broughton.
- Trafford Road, Salford.
- Pack Horse, Bolton Road, Pendleton.
- Frederick Street, Pendleton.
- Whit Lane, Pendleton.
- Windsor Bridge, Salford.
- Bleacher Street, Salford.
- Crescent, Salford.
- Stevenson Street, Salford.
- The Cliff, Broughton.
- Park Lane, Broughton.
- Broad Street, Pendleton.
- Greengate Arch, Salford.
- Everard Street, Salford.
- Eccles New Road, Weaste.
- *Broughton Bridge.

* Newly provided during the year.

TABLES.

PART I.

MORTALITY STATISTICS.

STATISTICAL SUMMARY, 1904.

Population.—Estimated to the { **Males** 110,672 }
middle of the year { **Females** ... 118,311 } **Total** 228,983

Marriages 2,016

Annual Rate of Persons Married per 1,000 of the Population. 17·6

Births { **Males** 3,730 } **Total** 7,261
..... { **Females** ... 3,531 }

Annual Rate of Births per 1,000 of the Population..... 31·7

Deaths under One Year of Age per 1,000 Births..... 193

Deaths { **Males** 2,537 } **Total** 4,809
..... { **Females** ... 2,272 }

Annual Rate of Mortality { **Males** 22·9 } **Total** 21·0
per 1,000 { **Females** ... 19·2 }

Annual Rate of Mortality per 1,000 from the seven principal Zymotic Diseases 4·3

Excess of Registered Births over Deaths 2,452

Estimated Annual Increase of Population 2,503

Density.—The mean density of the Borough is equal to 44·0 persons per acre:—in Regent Road, 75·1; Greengate, 85·2; Pendleton, 29·7; Broughton, 36·7.

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 Non-Residents registered in District.	Deaths of Residents registered beyond District.	DEATHS AT ALL AGES NETT.	
		Number.	*Rate.	Number.	Rate per 1,000 Births registered.	Number.	*Rate.				Number.	*Rate.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
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
1902	224,007	7699	33.7	1211	157	4449	19.5	935	136	62	4375	19.2
1903	226,480	7284	32.2	1226	168	4329	19.1	861	90	86	4325	19.1
Averages for Years 1894-1903.....	215,629	7301	33.8	1449	198	4882	22.6	873	83	67	4866	22.6
1904	228,983	7261	31.7	1399	193	4843	21.2	1010	86	52	4809	21.0

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated 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 of 1901.
Number of Inhabited Houses 44,001 }
Average Number of Persons per house 5.02 }

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.					
YEAR.																									
1894.....	205,220	7041	4311	1222	79,684	2826	1827	562	20,077	1178	809	238	55,272	1885	1022	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	420	42,266	1263	754	210					
1896.....	209,703	7470	4850	1495	71,879	2710	1793	575	36,055	1454	1119	311	58,394	2078	1151	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	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	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	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	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	402	49,386	1222	794	171					
1902.....	224,007	7699	4375	1211	71,229	2538	1420	436	33,468	1285	966	229	68,935	2473	1254	363	50,375	1403	735	183					
1903.....	226,480	7284	4325	1226	72,121	2430	1588	478	33,415	1135	823	228	69,909	2359	1168	338	51,035	1360	746	182					
Averages of Years 1891-1903.)	215,629	7301	4866	1450	73,294	2607	1809	577	33,388	1248	1023	276	62,666	2157	1265	339	46,280	1289	769	208					
1904.....	228,983	7261	4809	1399	72,436	2497	1716	548	33,235	1106	940	254	71,200	2341	1388	420	52,112	1317	765	177					

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 1904.

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	2	1	...	...	1	...	...	2	...	1	1	...	3
Measles	254	52	195	3	...	...	...	254	85	85	65	10	10
Scarlet Fever	56	3	42	11	...	...	...	56	22	6	14	14	52
Whooping Cough	139	62	72	5	...	...	...	139	31	33	59	16	9
Diphtheria and Membranous Croup	116	3	66	46	1	...	...	116	27	13	40	36	83
Croup	2	1	1	...	...	...	...	2	2	...	...	...	...
Fever { Typhus	4	...	...	...	...	4	...	4	...	...	4	...	4
{ Enteric	47	...	4	5	13	25	...	47	29	4	12	2	44
{ Other Continued	1	...	...	...	1	...	...	1	...	1	...	...	...
Epidemic Influenza	31	2	1	...	1	17	10	31	5	4	11	11	1
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea (See notes at foot)	370	292	58	4	2	5	5	370	196	63	77	31	9
Enteritis (See notes at foot)	2	2	...	...	...	...	...	2	1	...	1	...	...
Puerperal Fever	10	...	...	...	3	7	...	10	4	2	3	1	4
Erysipelas	8	...	...	...	2	5	1	8	2	1	3	2	5
Other Septic Diseases	11	5	2	...	1	1	2	11	4	1	4	2	3
Phthisis	452	8	17	8	63	336	20	452	153	111	121	67	160
Other Tubercular Diseases	194	86	57	19	13	19	...	194	77	43	56	18	20
Cancer, Malignant Disease	137	1	...	...	...	95	41	137	47	23	34	35	32
Bronchitis	485	110	52	2	2	161	158	485	158	86	139	102	65
Pneumonia	418	100	115	14	18	132	39	418	140	102	127	49	75
Pleurisy	7	...	1	...	...	5	1	7	2	1	...	4	3
Other Diseases of Respiratory Organs	26	3	9	3	...	7	4	26	14	1	6	5	3
Alcoholism	59	...	...	...	...	51	8	59	15	14	20	10	2
Cirrhosis of Liver	...	...	...	...	...	...	...	...	...	...	...	...	...
Venereal Diseases	23	21	1	...	...	1	...	23	14	3	6	...	2
Premature Birth	161	161	...	...	...	...	...	161	53	17	69	22	3
Diseases and Accidents of Parturition	12	2	...	...	3	7	...	12	4	2	5	1	5
Heart Diseases	376	6	3	8	10	217	123	376	135	69	106	63	88
Accidents	125	22	19	18	8	41	17	125	46	22	37	20	61
Suicides	17	...	...	...	...	16	1	17	4	4	6	3	1
All other causes	1264	456	107	36	36	343	286	1264	440	228	362	234	266
All Causes	4809	1399	826	182	187	1495	720	4809	1716	940	1388	765	1013

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 Nostras (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-TWO WEEKS OF THE YEAR 1904.

	PERSONS.			MALES.			FEMALES.		
	Estimated Population, 1904.	Deaths, 1904	Rate per 1,000, 1904.	Estimated Population, 1904.	Deaths, 1904.	Rate per 1,000, 1904.	Estimated Population, 1904.	Deaths, 1904.	Rate per 1,000, 1904.
All Ages	228,983	4,809	21'0	110,672	2,537	22'9	118,311	2,272	19'2
Under 5 Years ...	27,547	2,225	80'8	13,652	1207	88'4	13,895	1,018	73'3
5 to 15 " ...	48,441	182	3'8	24,100	86	3'6	24,341	96	3'9
15 to 25 " ...	46,964	187	4'0	22,397	98	4'4	24,567	89	3'6
25 to 65 " ...	99,367	1,495	15'0	47,849	818	17'1	51,518	677	13'1
65 and upwards...	6,664	720	108'0	2,674	328	122'7	3,990	392	98'2

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	30,932	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	71,733	35,113	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
1903†	226,480	72,121	33,415	69,909	51,035	43'5	74'8	85'6	28'8	36'0
1904†	228,983	72,436	33,235	71,200	52,112	44'0	75'1	85'2	29'7	36'7

* 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-FOUR YEARS, 1861-1904.

ANNUAL RATES PER 1,000 OF THE POPULATION.											Year.
MARRIAGES, Registration districts.	BIRTHS.					DEATHS.					
	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	1870
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	37'0	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
17'8	32'2	33'7	34'0	33'7	26'6	19'1	22'0	24'6	16'7	14'6	1903
17'6	31'7	34'5	33'3	32'9	25'3	21'0	23'7	28'3	19'5	14'7	1904

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

Greengate Districts as revised by the Registrar-General.

TABLE 6.

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 7.

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 52 WEEKS OF THE YEAR 1904.

	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.....	7261	240	3'3	1399	91	193	186	379
Regent Road District ...	2497	79	3'2	548	34	219	213	430
Greengate ,,	1106	36	3'3	254	12	230	226	333
Pendleton ,,	2341	87	3'7	420	34	179	171	391
Broughton ,,	1317	38	2'9	177	11	134	130	289

CORRESPONDING DATA FOR THE TEN YEARS 1894-1903.

Borough.....	73400	2520	3'4	15123	909	206	201	361
Regent Road District ...	26317	831	3'2	5974	350	227	221	421
Greengate ,,	12442	570	4'6	2890	214	232	225	376
Pendleton ,,	21561	738	3'4	4077	233	189	185	316
Broughton ,,	13080	381	2'9	2182	112	168	163	294

TABLE 8.

ANNUAL RATES PER 1,000 LIVING IN EACH OF THE REGISTRATION
SUB-DISTRICTS OF SALFORD, IN THE 52 WEEKS OF THE
YEAR 1904, 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.	
	1903.	1904.	1903.	1904.	1903.	1904.	1903.	1904.	1903.	1904.	1903.	1904.
REGENT RD.	33·7	34·5	22·0	23·7	4·0	5·5	2·1	2·1	0·7	0·6	2·4	1·8
GREENGATE.	34·0	33·3	24·6	28·3	3·1	6·2	3·1	3·3	0·6	0·7	1·9	1·7
PENDLETON.	33·7	32·9	16·7	19·5	2·3	3·8	1·3	1·7	0·7	0·5	1·7	1·8
BROUGHTON.	26·6	25·3	14·6	14·7	1·8	2·3	1·2	1·3	0·6	0·6	1·5	1·5
BOROUGH ...	32·2	31·7	19·1	21·0	2·8	4·3	1·8	2·0	0·7	0·6	1·9	1·7

REGISTRATION SUB-DISTRICTS	AT ALL AGES FROM								Deaths under One Year per 1000 Births.	
	Heart Diseases.		Diarrhoea.		Acute Lung Diseases.		Tubercular Diseases.			
	1903.	1904.	1903.	1904.	1903.	1904.	1903.	1904.	1903.	1904.
REGENT ROAD	1·5	1·9	1·3	2·8	4·3	4·1	2·9	3·2	197	219
GREENGATE	1·9	2·1	1·8	1·9	5·4	5·7	4·2	4·6	201	230
PENDLETON	1·2	1·5	0·7	1·1	3·5	3·7	1·9	2·5	143	179
BROUGHTON	1·2	1·2	0·5	0·6	2·9	3·0	1·7	1·6	134	134
BOROUGH	1·4	1·6	1·0	1·6	3·9	4·0	2·5	2·8	168	193

TABLE 9.

AVERAGE ANNUAL RATES OF MORTALITY PER 1,000 LIVING AT CERTAIN
AGE-GROUPS IN THE YEAR 1904, AND AT ALL AGES IN THE
QUINQUENNIAL PERIODS 1893 TO 1897 AND 1898 TO 1902.

CAUSES OF DEATH.	At all Ages.			Annual Death-Rates in the Year 1904, at the following Age-Groups, and from certain diseases.				
	Quinquennial Means.		Year.					
	1893 to 1897.	1898 to 1902.		Under 5 years.	5—15.	15—25.	25—65.	65—
All Causes	23·4	22·6	21·0	80·8	3·8	4·0	15·0	108·0
Small Pox.....	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Measles	1·1	0·6	1·1	9·1	0·1	0·0	0·0	0·0
Scarlet Fever	0·4	0·3	0·2	1·6	0·2	0·0	0·0	0·0
Diphtheria and Membranous Croup	0·3	0·4	0·5	2·5	1·0	0·0	0·0	0·0
Whooping Cough	0·6	0·6	0·6	4·9	0·1	0·0	0·0	0·0
Continued Fever. {	Typhus		0·0	0·0	0·0	0·0	0·0	0·0
	Enteric		0·4	0·1	0·1	0·3	0·3	0·0
	Continued		0·0	0·0	0·0	0·0	0·0	0·0
Diarrhœa and Dysentery ...	1·7	1·7	1·6	12·8	0·1	0·0	0·1	1·3
Puerperal Fever	0·1	0·0	0·0	0·0	0·0	0·1	0·1	0·0
Phthisis	1·8	1·8	2·0	0·9	0·2	1·3	3·4	3·0
Other Tubercular Diseases...	1·2	0·8	0·8	5·2	0·4	0·3	0·2	0·0
Diseases of {	Brain		2·1	5·7	0·1	0·1	1·2	15·3
	Heart		1·3	0·3	0·2	0·4	2·2	18·5
	Lungs		5·1	13·7	0·3	0·4	3·0	29·7
	Digestive System		1·4	4·2	0·3	0·3	0·9	3·0
Other Diseases.....	5·9	6·1	5·3	19·5	0·7	0·8	3·7	37·2

TABLE 10.

CERTIFICATION OF THE CAUSES OF DEATH IN THE COUNTY BOROUGH OF
SALFORD, AND ITS FOUR REGISTRATION SUB-DISTRICTS,
IN THE YEAR 1904.

	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	4809	4428	359	22	92·1	7·5	0·4
Regent Road District	1716	1609	100	7	93·8	5·8	0·4
Greengate	940	810	126	4	86·2	13·4	0·4
Pendleton	1388	1306	76	6	94·1	5·5	0·4
Broughton	765	703	57	5	91·9	7·4	0·7
CORRESPONDING DATA FOR THE TEN YEARS 1894-1903.							
Borough	48029	44234	3124	671	92·1	6·5	1·4
Regent Road District	17812	16542	1002	268	92·9	5·6	1·5
Greengate	10017	8808	1066	143	87·9	10·7	1·4
Pendleton	12622	11734	698	190	93·0	5·5	1·5
Broughton	7578	7150	358	70	94·4	4·7	0·9

TABLE 11.

CAUSES OF DEATH REGISTERED IN EACH OF THE TEN YEARS 1894-1903,
IN 1904, AND THE AVERAGE DECENNIAL NUMBER.

	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	Average	1904
All Causes	4311	5318	4850	5070	4881	5187	5542	4802	4375	4325	4866	4809
Small-pox	2	...	...	...	...	...	1	...	1	1	...	2
Measles	144	210	202	473	100	211	125	114	156	131	187	254
Scarlet Fever	110	96	105	61	61	50	99	106	50	57	79	56
Whooping Cough	140	133	187	111	128	99	186	91	118	96	129	139
Diphtheria & Memb. Croup	64	73	52	32	33	75	90	140	75	86	72	116
Croup	16	23	11	7	6	7	8	6	7	9	10	2
Typhus Fever	1	...	1	...	5	...	1	1	12	...	2	4
Enteric Fever	63	86	70	64	73	76	66	75	48	48	67	47
Other Continued Fever...	...	...	1	2	...	1	...	...	...	1	...	1
* Epidemic Influenza	...	...	...	57	40	83	137	34	38	36	61	31
Simple Cholera	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa, Dysent:.....	147	433	268	446	495	452	318	412	144	224	334	372
Enteritis	50	151	125	166	173	179	101	114	82	84	122	86
Puerperal Fever	11	9	13	6	14	12	12	20	6	7	11	10
Erysipelas	8	3	9	8	5	7	8	12	9	5	7	8
Other Septic Diseases ...	9	13	14	6	8	11	11	11	7	8	10	11
Phthisis	379	396	360	383	394	395	405	396	380	407	389	452
Other Tubercular Diseases	244	282	225	232	194	178	157	154	159	159	198	194
Cancer	126	123	120	130	163	135	136	155	166	148	140	137
Bronchitis	384	539	466	502	470	549	706	517	490	460	508	485
Pneumonia	476	559	557	446	469	591	612	423	477	418	503	418
Pleurisy	11	1	13	5	7	4	10	12	6	4	7	7
Other D: Respiratory Org.	60	110	55	13	17	22	23	16	19	19	35	26
Alcoholism	50	39	35	54	45	50	90	70	45	48	53	59
Cirrhosis of Liver	30	38	30	24	27	19	30	22	16	20	26	23
Venereal Diseases	120	138	154	149	161	172	133	143	166	168	150	161
Premature Birth.....	411	423	479	452	473	490	521	428	459	432	457	393
Brain & Nervous Diseases	68	101	91	70	89	100	146	102	103	90	96	100
Urinary Diseases	255	299	258	242	256	258	234	204	188	201	239	162
Atrophy and Marasmus...	30	22	18	15	17	18	14	18	20	15	19	12
Dis: & Accid: of Parturition	235	266	284	283	259	294	380	339	331	317	293	376
Heart Diseases	137	143	113	115	99	106	118	128	123	119	120	125
Accidents	16	16	21	19	17	13	17	16	14	17	17	17
Suicides	514	593	513	497	583	530	647	523	460	490	535	523
All other causes												

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

TABLE 12.

DEATHS REGISTERED IN THE COUNTY BOROUGH OF SALFORD, FROM ALL CAUSES DURING THE YEAR 1904.

DISEASES.	AGES IN YEARS.																										Total.	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards
	AGES IN YEARS.																															
	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. SPECIFIC, OR ZYMOTIC DISEASES.....	537	296	109	67	48	80	24	54	51	57	61	58	50	73	49	40	38	20	13	6	3	1	2	1737	520	104	105	426	45			
II. PARASITIC DISEASES.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...				
III. DIETIC DISEASES.....	153	7	1	...	...	...	...	...	...	1	2	2	1	3	1	...	2	1	...	...	...	...	...	174	8	...	...	12	1			
IV. CONSTITUTIONAL DISEASES.....	12	4	1	...	...	...	...	...	...	...	2	3	11	14	26	20	28	27	8	5	3	...	...	169	6	2	2	104	43			
V. DEVELOPMENTAL DIS.....	210	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	4	23	29	38	16	15	5	344	3	1	...	4	126			
VI. LOCAL DISEASES.....	429	166	59	21	12	33	20	26	40	42	49	89	101	112	114	158	170	168	155	76	45	15	4	2104	258	53	66	835	463			
VII. DEATHS FROM VIOLENCE.....	22	5	4	6	4	16	2	6	2	5	12	6	13	1	3	9	8	10	6	2	...	...	...	142	19	18	8	57	18			
VIII. DEATHS FROM ILL-DEFINED & NOT SPECIFIED CAUSES.....	35	6	4	2	...	4	...	3	3	2	...	7	4	4	13	12	15	7	7	2	1	...	138	12	4	6	57	24				
TOTALS.....	1399	486	179	96	65	135	47	90	97	107	126	165	180	207	206	239	265	256	218	134	69	32	11	4809	826	182	187	1495	720			
I.—Zymotic Diseases.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...				
Sm: Pox { Vaccinated.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...				
Unvaccinated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...				
No Statement.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Chicken Pox.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...				
Measles.....	52	116	44	25	14	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	254	199	3	...	...				
Scarlet Fever.....	3	7	14	12	9	9	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	56	42	11	...	...				
Diphtheria.....	3	17	20	16	12	43	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	115	65	46	1	...				
Membranous Croup.....	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...				
Enteric Fever.....	...	2	2	...	...	...	...	7	6	5	5	5	1	5	2	1	1	...	...	...	...	...	...	47	4	5	13	25				
Typhus Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...				
Continued Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...				
Whooping Cough.....	62	56	9	3	4	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	139	72	5	...	...				
Asiatic Cholera.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Diarrhoea, Dysentery.....	292	50	5	3	...	3	1	2	...	...	...	1	...	...	3	...	1	1	4	...	...	...	...	370	58	4	2	5	9			
Epidemic Enteritis.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...				
Other Allied Diseases.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...				
Epidemic Influenza.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	1	...	1	17	10			
Erysipelas.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	...	...	...				
Puerperal Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	...	...				
Pyæmia Septicæmia.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...				

TABLE 12.—(Continued.)

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.								
Constitutional Diseases—																															
<i>Continued.</i>																															
Anæmia	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	...	...	3	...						
Diabetes Mellitus	...	...	...	...	...	...	1	...	1	...	1	2	...	...	1	...	1	2	...	...	...	...	...	9	...						
Asteo-Arthritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...						
Hæmophilia	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...						
Lymphadenoma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
V.—Developmental Diseases.																															
Premature Birth	161	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	161	...						
Injury at Birth	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...						
Debility at Birth	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...						
Atelectasis	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	...						
Malform : Congen : Defects	18	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	...						
Teething	9	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	...						
Old Age	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	23	29	38	16	15	5	130	...						
VI.—Local Diseases.																															
<i>Dis : OF NERVOUS SYSTEM.</i>																															
Convulsions	77	11	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	94	...						
Meningitis	23	19	5	3	4	4	1	...	...	...	3	1	...	...	...	1	...	1	1	...	...	...	...	67	...						
Encephalitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
Apoplexy	...	...	...	...	...	...	...	...	...	...	1	1	1	2	2	2	4	8	9	8	5	2	...	45	...						
Softening of Brain	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...						
Hemiplegia	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1	1	5	3	5	3	2	...	...	10	...						
Gen : Paralysis of Insane	...	...	...	...	...	...	...	...	...	...	...	1	4	1	1	1	1	...	...	...	...	...	...	23	...						
Other Forms of Insanity	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	4	1	3	4	2	...	...	9	...						
Chorea	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	1	3	4	2	...	...	18	...						
Cerebral Tumour	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	1	...						
Epilepsy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	2	...						
Laryngismus Stridulus	3	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	...	9	...						
Locomotor Ataxy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...						
Paraplegia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...						
Peripheral Neuritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...						
Other Forms, Brain Disease	3	1	...	2	...	...	...	...	1	1	1	7	4	8	10	10	16	13	14	7	1	2	...	101	...						
	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		

TABLE 12.—(Continued.)

DISEASES.	AGES IN YEARS.																							Total.	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards.
	AGES IN YEARS.																												
	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.						
Dis: of DIGESTIVE Sys:—Contd.																													
Peritonitis	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	...	...	...	...						
Other Dis: Digestive System..	14	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	...	...	...	...	...	...	...						
Dis: of LYMPHATIC SYSTEM AND GLANDS.																													
Lymph: Spleen Dis:																													
Bronchocele, Addison's Dis:...																													
Dis: of URINARY SYSTEM.																													
Acute Nephritis	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
Bright's Disease																													
Calculus																													
Dis: of Bladder and Prostate..																													
Other Diseases Urinary System																													
Dis: of REPRODUCTIVE Sys:																													
A. <i>Organs of Generation.</i>																													
Diseases of Testis and Penis...																													
Diseases of Ovaries																													
Dis: of Uterus and Appendages																													
Dis: of Vagina & Ext: Genitals																													
B. <i>of Parturition.</i>																													
Diseases of Breast																													
Abortion, Miscarriage	1																												
Puerperal Mania																													
Puerperal Convulsions																													
Placenta Prævia, Flooding																													
Puerperal Thrombosis																													
Other Dis: Preg: & Childbirth	1																												
Dis: of BONES AND JOINTS.																													
Arthritis: Ostitis: Periostitis..																													
Other Diseases, Ossous	1																												
Dis: of INTEGUMENT: Sys:																													
Ulcer, Bedsore																													

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

TABLE 13.

Mortality from Special Diseases.—Diminution and Excess.—

The following table shows the greater or less fatality of disease in 1904, as compared with their simple decennial average numbers in the Borough:—

Cause of Death.	Diminution in 1904.		Excess in 1904.
Small-pox	—	...	2
Measles	—	...	67
Scarlet fever	23	...	—
Fevers	18	...	—
Whooping cough.....	—	...	10
Diphtheria and Membranous Croup.....	—	...	44
Diarrhoeal diseases	—	...	38
Tuberculosis	—	...	59
Premature births	—	...	11
Brain and nervous diseases	64	...	—
Heart diseases.....	—	...	77
Respiratory diseases	117	...	—
Urinary diseases	—	...	4
Atrophy and Marasmus	77	...	—
All other causes	87	...	—
	386		312
Balance of diminution	74		

TABLE 14.

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 1904.

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	16·2	146
England and Wales less the 218 Towns	15·3	125
76 other large Towns	17·2	160
142 smaller Towns	15·6	154
Croydon	13·8	129
Wolverhampton	14·6	152
Leicester	14·6	163
Derby	15·1	143
Cardiff	15·2	144
Bristol	15·4	134
Halifax	15·5	130
London	16·1	144
Brighton	16·5	133
Sheffield	16·8	159
West Ham	16·8	165
Bolton	16·9	167
Portsmouth	16·9	141
Blackburn	17·2	162
Bradford	17·5	167
Nottingham	17·5	175
Huddersfield	17·5	136
Swansea	17·7	172
Preston	17·8	183
Leeds	17·9	176
Hull	18·0	181
Norwich	18·2	179
Oldham	18·3	155
Gateshead	18·5	175
Plymouth	18·7	173
Birmingham	19·3	195
Newcastle	19·3	156
Sunderland	19·4	165
Birkenhead	19·9	180
Burnley	20·9	233
Salford	21·0	193
Manchester	21·3	187
Liverpool	21·9	196

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 1904.

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.	Phtisis.	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
1903...	226,480	32.2	19.1	2.8	1.8	0.7	1.9	1.4	2.0	1.8	168
1904...	228,983	31.7	21.0	4.3	2.0	0.6	1.7	1.6	2.1	1.8	193

TABLE 16.

DEATHS REGISTERED IN THE COUNTY BOROUGH OF SALFORD,
DURING THE YEAR 1904.

Age.	Males.	Females.
Under 1... ..	785	614
1 to 2... ..	254	232
2 to 3... ..	88	91
3 to 4... ..	51	45
4 to 5... ..	29	36
5 to 10... ..	61	74
10 to 15... ..	25	22
15 to 20... ..	51	39
20 to 25... ..	47	50
25 to 35... ..	118	115
35 to 45... ..	192	153
45 to 55... ..	231	182
55 to 65... ..	277	227
65 to 75... ..	224	250
75 to 85... ..	88	115
85 to 95... ..	13	27
Over 95... ..	3	...
	2537	2272

TABLES.

PART II.

INFECTIOUS DISEASES.

TABLE 17.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1904.

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.	(H1)	Broughton.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.											
Small-pox	57	1	6	15	35	...	57	7	15	13	22	57	7	15	13	22	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	410	148	198	24	29	3	410	105	46	145	114	278	66	37	95	80	...
Membranous Croup.	12	8	3	...	...	...	12	1	6	4	1	6	...	4	1	1	...
Erysipelas	168	3	9	25	113	17	168	45	30	63	30	35	12	4	15	4	...
Scarlet Fever	1043	348	588	63	22	...	1043	291	88	360	304	799	228	75	276	220	...
Typhus Fever	10	...	5	...	5	...	10	...	...	10	...	8	...	...	8	...	...
Enteric Fever	202	13	56	49	83	...	202	135	15	42	10	149	104	9	29	7	...
Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	7	1	1	2	3	...	7	...	5	...	2	4	...	2	...	2	...
Puerperal Fever ..	21	...	...	6	15	...	21	9	2	8	2	6	4	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	1930	33	522	866	184	305	1930	593	207	645	485	1342	421	146	439	336	...

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. H, Ladywell Sanatorium; H₁, Small-pox Hospital, Drinkwater Park, in the Frestwich district. Mark (W) the locality in which workhouse is situated.

TABLE 18.

SHOWING THE NUMBER OF CASES OF INFECTIOUS DISEASE NOTIFIED
TO THE HEALTH DEPARTMENT DURING THE YEARS 1883 TO 1904.

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
1903	175	737	335	178	...	1	13	161	1600
1904	57	1043	422	202	10	7	21	168	1930

TABLE 19.

SHewing THE NUMBER OF CASES OF SICKNESS, AND THE DEATHS
REGISTERED, DURING THE SEVERAL MONTHS OF THE
YEAR 1904, 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	...	...	57	5	34	10	5	2	...	...	...	...
February ...	...	...	43	1	33	10	10	4	...	...	1	...
March	...	...	67	3	41	7	8	5	1	1	2	...
April	1	...	52	3	23	6	11	2	3	1	3	...
May	...	...	75	4	22	7	20	4	1	...	2	3
June	13	...	106	5	30	9	13	3	1	2	1	...
July	4	...	92	7	27	6	3	...	1	...	1	1
August	6	1	96	2	31	10	15	6	1	...	...	...
September ...	16	1	137	5	39	13	44	4	2	3	...	...
October	3	...	108	8	58	19	36	5	1	...	...	...
November ...	7	...	96	6	43	8	20	6	4	3	...	...
December ...	7	...	114	7	41	11	17	6	6	...	...	...
Totals...	57	2	1043	56	422	116	202	47	21	10	10	4

TABLE 20.

SALFORD CASES TREATED IN THE CORPORATION HOSPITALS.

	1894		1895		1896		1897		1898		1899		1900		1901		1902		1903		1904	
	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.	Cases Admitted.	Deaths.
Small Pox	34	2	4	1	...	...	...	...	1	...	...	...	4	1	...	...	22	...	165	6	54	2
Scarlet Fever	610	77	725	61	1061	74	506	32	485	52	510	33	1012	81	979	85	588	45	592	41	797	45
Diphtheria	75	9	40	12	36	8	26	9	42	12	85	34	133	36	239	73	151	30	207	43	277	67
Typhus Fever	1	1	...	...	7	1	...	...	15	4	3	...	1	1	1	1	39	12	...	...	7	4
Typhoid Fever.....	142	21	195	42	127	27	189	38	240	45	150	32	178	42	166	46	119	29	107	33	129	37
Continued Fever ...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	3	2	5	2	7	3	5	2	8	2	11	3	7	1	11	3	5	1	5	2	6	3
Erysipelas	36	2	25	1	16	2	34	2	42	3	35	2	16	2	29	2	34	4	30	2	34	4
*Ill-defined or all other Diseases ...	95	18	131	14	65	21	81	12	60	4	154	12	74	12	77	8	203	9	51	1	87	3

*The Ill-defined cases include the Nursing Staff who may have been ill.

TABLE 20a.

SALFORD CASES TREATED IN THE CORPORATION HOSPITALS.

	1883		1884		1885		1886		1887		1888		1889		1890		1891		1892		1893	
	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.	Cases Admitted.	Deaths.
Small Pox	1	...	5	...	9	1	...	...	4	...	52	8	...	...	...	...	...	...	7	1	158	21
Scarlet Fever	205	18	503	64	331	38	811	72	703	78	490	40	596	94	487	61	243	18	440	55	425	20
Diphtheria	9	3	18	8	7	1	3	...	6	2	39	16	118	37	171	68	50	22	57	21	50	6
Typhus Fever	14	5	31	6	29	7	12	...	6	...	31	7	2	1	3	2	1	...	6	...	5	2
Typhoid Fever ...	93	19	132	21	66	12	85	18	153	31	162	22	116	20	166	31	203	37	149	35	300	49
Continued Fever ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	2	...
Erysipelas	1	...	8	1	3	...	...	...	...	...	...	...	...	...	96	...	11	2	17	...	41	2
*Ill-defined or all other Diseases ...	18	2	16	2	62	15	54	6	72	11	72	16	56	12	16	18	44	14	89	8	83	4

*The Ill-defined cases include the Nursing Staff who may have been ill.

TABLE 21.

CASES FROM OUT-DISTRICTS TREATED IN THE CORPORATION HOSPITALS.

	1895		1896		1897		1898		1899		1900		1901		1902		1903		1904	
	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	...	...	2	...	...	...	1	...	...	...	...	...	...	...	8	...	28	5	7	1
Scarlet Fever	78	6	102	7	67	3	73	8	74	12	316	24	377	26	462	29	204	9	198	9
Diphtheria	3	1	2	1	3	1	25	12	76	25	161	37	166	33	180	32	133	26	83	13
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Typhoid Fever ...	9	2	26	5	6	1	58	11	46	12	38	13	70	22	52	9	21	7	32	6
Continued Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	2	1	...	...	1	...	...	...	2	2	1	1	1	1	1	...	1	...
Erysipelas	...	...	...	...	1	...	2	...	2	...	4	1	2	1	4	1	1	...	5	1
Ill-defined	4	1	5	...	5	...	10	...	18	4	17	2	18	2	19	1	14	1	14	...

TABLE 22.

NOTIFIED CASES AND DEATHS FROM DIPHTHERIA
FOR YEARS 1883 TO 1904.

Year.	Cases Notified.	Deaths.	Percentage.
1883	81	24	29'6
1884	99	22	22'2
1885	54	17	31'5
1886	41	12	29'3
1887	83	21	25'3
1888	175	61	34'9
1889	691	206	29'8
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
1903	335	86	25'7
1904	422	116	27'5

TABLE 23.

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

SCARLET FEVER.

	1899.	1900.	1901.	1902.	1903.	Mean.	1904.
England and Wales...	0·12	0·12	0·13	0·15	0·12	0·13	0·11
76 Great English Towns ...	...	...	...	0·19	0·14	0·16	0·12
London	0·09	0·08	0·13	0·12	0·08	0·10	0·08
Salford	0·23	0·45	0·48	0·22	0·25	0·33	0·24

DIPHTHERIA.

	1899.	1900.	1901.	1902.	1903.	Mean.	1904.
England and Wales ...	0·29	0·29	0·27	0·23	0·18	0·25	0·17
76 Great English Towns ...	...	...	...	0·26	0·20	0·23	0·19
London ...	0·43	0·34	0·30	0·25	0·16	0·30	0·16
Salford	0·35	0·41	0·63	0·33	0·38	0·42	0·50

WHOOPIING COUGH.

	1899.	1900.	1901.	1902.	1903.	Mean.	1904.
England and Wales ...	0·30	0·34	0·30	0·29	0·27	0·30	0·34
76 Great English Towns ...	...	...	...	0·37	0·33	0·35	0·40
London	0·38	0·43	0·35	0·41	0·35	0·38	0·32
Salford	0·46	0·85	0·41	0·52	0·42	0·53	0·61

MEASLES.

	1899.	1900.	1901.	1902.	1903.	Mean.	1904.
England and Wales ..	0·31	0·39	0·27	0·38	0·27	0·32	0·36
76 Great English Towns ...	...	...	...	0·49	0·36	0·42	0·47
London	0·47	0·42	0·43	0·51	0·44	0·45	0·49
Salford	0·97	0·57	0·51	0·68	0·58	0·66	1·11

DIARRHŒA.

	1899.	1900.	1901.	1902.	1903.	Mean.	1904.
England and Wales ...	0·98	0·69	0·91	0·38	0·50	0·69	0·86
76 Great English Towns ...	...	...	...	0·54	0·71	0·62	1·20
London	0·92	0·78	0·87	0·54	0·39	0·70	0·83
Salford	2·09	1·45	1·86	0·63	0·99	1·40	1·61

TABLE 24.

CONNECTION OF CASES OF INFECTIOUS DISEASE WITH THE FORM OF
CONVENIENCE, FOR THE YEAR 1904.

	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 ...	251	1'0	123	1'0	48	0'6
Enteric Fever.	77	0'3	96	0'7	29	0'4

TABLE 25.

HOUSES PROVIDED WITH THE DIFFERENT FORM OF CONVENIENCE,
FOR THE YEAR 1904.

	No. of Houses.	Per cent.
Water Closet	25006	54'6
Midden Privy	12926	28'2
Pail Closet	7862	17'2

TABLES.

PART III.

WORK OF THE HEALTH DEPARTMENT.

TABLE 26.

COMMON LODGING-HOUSES, 1904.

	Regent Road.	Greengate.	Pendleton.	Total.
Number on Register	10	21	5	36
Number added to Register in 1904..	...	1	...	1
„ removed from „ „ ..	...	1	...	1
Number of Rooms.....	73	119	32	224
„ of Beds	338	1009	112	1459
Average Number occupied each night—Males	226	742	69	1037
„ Females	...	10	11	21
Notices served on Landlords.....	...	5	...	5
„ „ Keepers	...	3	...	3
Number of Day Inspections	471	972	228	1671
„ Night „	10	9	...	19

TABLE 27.

HOUSES SUB-LET IN LODGINGS, 1904.

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.....	82	345	16	5	4	3	7
Greengate	193	734	33	18	3	60	44
Pendleton	54	161	39	13	15	8	10
Broughton	17	21	13	16	2	8	6
Borough.....	346	1261	101	52	24	79	67

TABLE 28

MILKSHOPS, 1904.

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.	
												Signs.	Sanitary.
Regent	132	...	1	7	134	1	...	...	...	1	...	...	8
„ ...	11	...	...	3	78	..	...	...	...	...	...	...	2
„	64	...	3	...	121	...	...	...	...	...	...	...	...
Greengate ...	59	...	3	...	105	...	...	...	...	...	...	...	...
„ ...	40	...	2	2	237	...	...	...	...	...	...	...	2
Pendleton ...	60	6	2	...	97	...	1	...	...	1	...	...	3
„	59	...	5	4	63	...	...	...	...	...	...	...	3
Broughton ...	136	8	7	10	269	2	...	...	1	2	1	...	8
„ ...	16	...	...	...	87	...	...	...	...	...	...	...	...
Borough...	577	14	23	26	1191	3	1 ...	1	4	1 ...	26		

There are 577 Milkshops and 14 Shippons on the register, as against 565 in 1903, being an increase of 12 during the year.

Five cases of infectious disease occurred amongst them. All but one were removed to hospital, and business suspended until after disinfection.

TABLE 29.

MILK FROM FARMERS' CANS, 1904.

Names and Addresses.	Results of Analysis.	Places of Delivery.
M. J. L., Gisburn	Robbed of 16 per cent. of its fat	Pendleton Station.
M. J. L., „	Pure	„ „
H. H., Wilpshire	„	„ „
H. H., „	„	„ „
H. J., Rimmington	3 per cent. added water ...	„ „
H. J., „	Very poor. Pure	„ „
H. J., „	Pure	„ „
H. H., Wilpshire	„	„ „
H. H., „	„	„ „

TABLE 30.

SAMPLES COLLECTED BY THE INSPECTOR UNDER THE "SALE OF FOOD
AND DRUGS ACT," FROM 1875 TO 1904.

	Total.	Milk.	Butter.	Bread and Flour.	Drugs.	Gro- ceries.	Beer and Porter.	Wines and Spirits.	S'ndries
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
1903...	825	312	355	12	...	70	13	15	48
1904...	826	284	285	6	2	216	1	22	10

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
1903...	0.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1904...	3.6	3.5	2.1	0.0	0.0	0.9	0.0	54.5	0.0

TABLE 31.

BAKEHOUSES, 1904.

	Regent.	Green- gate.	Pendle- ton.	Brough- ton.	Total.
Number Registered	81	22	78	53	234
„ added to Register	19	8	26	11	64
„ Discontinued	11	3	10	9	33
Number of Ovens	91	28	118	66	303
Wagon Orders	11	2	18	9	40
Flue	15	12	12	10	49
Iron.....	37	5	43	30	115
Gas	27	8	27	16	78
Steam	1	1	4	1	7
Hot Air	...	...	14	...	14
Employees—Males	85	37	103	44	269
Females	65	15	82	61	223
Notices Served	4	...	3	1	8

TABLE 32.

SHOP HOURS ACT, 1892.—RETURN, 1904.

District.	Total number of Inspections of Shops.	Total Number of Shops on the Register	Number of Young Persons under 18 years of age Employed.	Male.	Female.	Prosecutions.	Convictions.	Dismissed.	Cautioned.
Regent Road	1463	193	263	238	25	...	...	...	6
Greengate.....	570	96	145	132	13	...	...	...	3
Pendleton	1092	169	265	239	26	...	...	...	2
Broughton	435	96	145	129	16	...	...	...	...
Borough.....	3560	554	818	738	80	...	...	...	11

TABLE 33.

CASES HEARD BEFORE MAGISTRATES, 1904.

Particulars of Offence.	No. of Cases.	Decisions.	Amount of Fines.
			£ s. d.
Negligently using furnaces	27	{ Withdrawn ... 7 } { Fined 20 }	44 10 0
Meat intended for the food of man and being unfit	2	{ Withdrawn ... 1 } { Fined 1 }	9 0 0
Being in possession of horse affected with parasitic mange and not giving notice of the fact.....	4	{ Fined 1 } { Withdrawn on payment of summons ... 3 }	2 0 0
Selling milk not of the nature and quality demanded	5	{ Withdrawn ... 2 } { Fined 3 }	5 17 6
Exposing margarine for sale without being labelled	2	Fined 2	4 0 0
Delivering margarine in unstamped wrapper	1	Fined 1	0 1 0
Selling vinegar which was not of the nature and substance demanded.....	2	Withdrawn ... 2	
For giving false warrantees with vinegar..	1	Fined 1	1 1 0
Selling brandy not of the nature and substance demanded	1	Fined 1	2 0 0
Selling butter not of the nature and substance demanded	1	Fined 1	2 0 0
Common lodging houses permitting overcrowding	9	{ Fined 7 } { Withdrawn ... 2 }	1 5 0
Common lodging houses in dirty condition	2	Fined 2	2 0 0
Houses being used as common lodging houses and being unregistered.....	6	Fined 6	1 9 6
Seamens lodging houses permitting overcrowding	12	{ Fined 10 } { Withdrawn ... 1 } { Dismissed .. 1 }	2 4 6
Seamens lodging houses suffering kitchens to be used as sleeping apartments	2	Fined 2	0 10 0
Sub-let houses overcrowded	2	Fined 2	2 0 0
Not complying with Bye-laws <i>re</i> Seamens lodging houses	2	{ Fined 1 } { Withdrawn ... 1 }	0 5 0
House in such a condition as to be prejudicial to inmates	3	Fined 3	0 15 0
Slaughtering pigs on unlicensed premises	2	Fined 2	0 5 0
Owner of premises suffering nuisance to exist	1	Fined 1	2 0 0
Canal boat used as a dwelling and not being registered	2	{ Fined 1 } { Withdrawn ... 1 }	0 10 0
Totals.....	89		£ 83 13 6

TABLE 34.

New W.C.'s provided January 1st to December 31st, 1904 :—

Regent District	587
Greengate	396
Pendleton	1414
Broughton	1103
	3500

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

Regent District	64
Greengate	18
Pendleton	290
Broughton	227
	599

TABLE 35.

NEW DWELLINGS ERECTED.

Date.	Salford.	Broughton.	Pendleton.	Totals.
1901	49	304	465	818
1902	273	186	274	733
1903	158	216	254	628
1904	82	227	290	599
	562	933	1283	2778

INSANITARY DWELLINGS DEMOLISHED.

Date.	Salford.		Broughton.	Pendleton.	Totals.
	Regent.	Greengate.			
1901	...	74	...	...	74
1902	31	48	...	...	79
1903	9	97	...	...	106
1904	...	67	3	...	70
	40	286	3	...	329

TABLE 36.

WORK OF THE FEMALE HEALTH VISITORS
FOR THE YEAR 1904.

DISTRICT.	No. of Cottages in District.	Total No. of Complaints.	Houses Overcrowded.	Houses Dirty.	Houses Dilapidated.	Defective Drainage.	Other Complaints.
Silk Street	1613	113	1	5	6	58	43
St. Simon Street.	1317	29	...	...	1	15	13
Greengate	1847	14	...	1	1	6	6
Adelphi.....	1816	94	...	1	10	37	46
Ordsall	2469	49	...	...	31	12	6
Ellor Street	2679	111	13	16	36	8	38
St. George's	2566	73	19	7	5	11	31
Total.....	14307	483	33	30	90	147	183

TABLE 37.

YEAR 1904.

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.	Diarrhoea.	Bronchitis and Pneumonia.	Phthisis.	
1904.												
Jan.	9.....	49.1	25.0	40.2	42.3	90	0.356	107	13	1	26	9
	16.....	52.9	30.0	40.8	41.8	91	1.367	92	16	...	20	5
	23.....	49.9	25.0	40.2	43.6	93	0.135	91	7	2	22	8
	30.....	52.7	26.5	40.6	42.4	88	0.507	100	11	2	27	10
Feb.	6.....	51.4	32.0	39.9	42.1	90	1.140	74	5	1	22	7
	13.....	44.8	28.5	37.7	41.9	79	0.700	93	10	...	18	9
	20.....	51.5	27.2	37.5	41.3	86	1.207	106	11	1	27	14
	27.....	53.3	30.0	40.8	41.1	81	0.350	88	11	1	12	11
Mar.	5.....	43.2	24.0	34.0	41.3	80	0.050	78	13	2	16	8
	12.....	55.1	25.0	38.4	40.5	89	0.120	87	8	1	24	8
	19.....	53.8	25.0	38.8	40.6	83	0.917	99	18	1	20	14
	26.....	57.4	32.0	43.1	41.1	81	0.262	104	20	2	22	15
April	2.....	54.1	30.4	40.5	42.1	78	0.828	96	13	1	19	12
	9.....	58.7	35.8	46.0	42.3	72	0.500	91	14	...	19	3
	16.....	60.1	37.4	47.9	44.1	73	0.384	94	15	...	22	10
	23.....	61.9	37.5	48.6	45.2	71	0.020	85	14	2	22	3
May	30.....	62.1	36.0	49.2	45.9	73	0.330	80	20	...	17	5
	7.....	60.0	37.0	47.9	46.8	71	0.571	89	17	1	23	11
	14.....	65.3	32.6	48.2	47.4	82	0.193	79	12	2	17	8
	21.....	70.0	38.8	51.0	48.2	72	0.082	71	19	3	14	3
June	28.....	73.6	36.0	54.3	49.6	79	1.086	80	16	2	12	10
	4.....	73.9	41.8	56.4	51.1	72	0.420	80	17	2	15	9
	11.....	74.3	43.5	54.9	52.0	65	0.028	84	14	2	13	7
	18.....	70.1	44.0	57.2	53.5	68	0.417	78	11	2	13	10
July	25.....	68.5	45.0	55.2	54.1	83	0.291	74	9	...	11	7
	2.....	77.3	40.0	59.2	54.8	72	0.275	64	14	2	9	13
	9.....	78.3	42.6	58.0	56.0	76	0.217	71	18	2	9	3
	16.....	82.3	50.0	64.2	57.3	72	0.270	83	17	2	10	12
Aug.	23.....	78.5	50.5	62.8	59.6	63	0.155	77	16	5	16	8
	30.....	78.4	51.5	61.4	60.2	79	0.331	82	24	10	17	5
	6.....	84.7	50.0	64.1	60.3	64	0.666	104	42	32	11	7
	13.....	70.9	44.8	56.9	61.0	76	1.016	122	55	40	4	11
Sept.	20.....	70.3	45.0	56.4	59.8	85	1.169	141	64	55	11	11
	27.....	69.3	40.8	53.2	58.6	72	1.355	146	63	49	10	10
	3.....	80.1	46.8	60.2	58.4	72	0.610	117	39	28	9	11
	10.....	71.6	44.0	57.2	58.9	74	0.360	101	31	22	11	6
Oct.	17.....	70.9	40.0	56.8	58.4	69	0.150	124	35	24	23	9
	24.....	71.3	40.2	56.2	58.0	63	...	106	20	12	16	8
	1.....	65.3	39.9	51.8	57.2	79	0.605	96	28	12	15	5
	8.....	60.9	31.2	44.6	55.9	80	0.397	108	25	9	19	11
Nov.	15.....	64.9	31.9	48.5	54.9	75	0.064	89	30	14	13	8
	22.....	67.3	42.0	55.5	55.2	84	0.914	103	28	7	17	15
	29.....	64.3	32.0	48.5	54.1	71	0.051	81	16	4	14	7
	5.....	55.3	38.0	49.2	52.7	82	0.072	70	17	5	15	5
Dec.	12.....	58.3	35.0	47.0	51.6	85	1.615	70	8	...	10	6
	19.....	52.3	29.5	43.0	51.0	92	0.146	67	12	...	15	6
	26.....	48.1	17.6	33.5	48.7	83	0.128	90	16	...	19	9
	3.....	52.9	20.0	38.7	45.7	92	0.232	103	15	2	33	3
Dec.	10.....	58.5	29.8	43.9	45.6	86	0.693	111	16	2	26	10
	17.....	56.3	26.0	41.4	45.0	87	1.246	97	12	1	17	13
	24.....	47.9	21.0	34.1	44.5	89	...	95	9	...	32	10
	31.....	52.9	23.0	38.7	43.2	91	0.044	125	12	1	39	11

TABLE 38.

METEOROLOGY.

TEMPERATURES IN QUARTERS AND YEARS.

TEMPERATURE IN SHADE.									
MEAN MAXIMUM.					MEAN MINIMUM.				
	1902.	1903.	1904.		1902.	1903.	1904.		
1st Quarter...	49°8	54°1	51°5	1st Quarter...	28°9	31°3	27°7		
2nd „ ...	63°0	66°8	67°4	2nd „ ...	36°7	36°8	38°9		
3rd „ ..	71°5	70°7	74°8	3rd „ ...	42°7	44°1	45°1		
4th „ ...	54°8	54°2	56°9	4th „ ...	34°0	31°5	29°0		
Year...	59·7	61·4	62·6	Year...	35·6	35·9	35·2		
MEAN TEMPERATURE.					MEAN TEMPERATURE— 4 FEET BELOW GROUND.				
	1902.	1903.	1904.		1902.	1903.	1904.		
1st Quarter...	39°9	42°7	39°4	1st Quarter...	41°9	43°6	41°7		
2nd „ ...	48°7	50°0	52°0	2nd „ ...	47°5	49°8	48°8		
3rd „ ...	56°4	56°6	58°4	3rd „ ...	56°2	57°0	58°7		
4th „ ...	44°9	43°6	43°6	4th „ ...	49°1	48°9	49°9		
Year...	47·4	48·2	48·3	Year...	48·7	49·8	49·8		
MEAN HUMIDITY.					AMOUNT OF RAINFALL.				
	1902.	1903.	1904.		1902.	1903.	1904.		
1st Quarter...	89	89	85	1st Quarter...	5·56	6·85	7·94		
2nd „ ...	82	77	73	2nd „ ...	7·34	6·35	4·60		
3rd „ ...	82	76	73	3rd „ ...	6·21	12·39	6·90		
4th „ ...	85	87	84	4th „ ...	9·03	10·62	5·60		
Year...	84	82	79	Year...	28·14	36·21	25·04		

TABLE 39.

REGISTER OF WORK DONE—YEAR ENDING DECEMBER 31st, 1904.

No. of Complaints received.....		3760
Inspections {	Of Dwelling-houses	9868
	" Factories	50
	" Canal Boats	211
	" Visits re Small-pox Contacts	3933
	" Visits re Vaccination	2046
	" Visits re Typhus Fever	12767
	" Common Lodging-houses— (Day)	1671
	" " " " (Night)	19
	" Sub-let	1236
	" Seamen's Lodging-houses... ..	486
	" Slaughter-houses	281
	" Dairies and Milkshops	1191
	" Shippens	203
	" Ashpits after complaint	72
	" Tips	226
	" Workshops	2032
	" Domestic Workshops	128
	" Outworkers	289
	" Ice Cream Shops	36
	" Miscellaneous	4533
	" Bakehouses	828
	" Laundries	15
	" Urinals { Public	245
	{ Private	962
	" Re Infectious Disease	6604
Re-inspections.....		13748
Action taken.. {	Notices issued	2465
	" uncomplied with	30
	Letters written.....	11119
Houses Disin-	Summonses issued	85
fected {	Stripped and washed	38
	Fumigated	1826
	Repaired.....	1518
House Drains {	Reconstructed	3152
	Trapped	221
	Slopstone Pipes discon: from... ..	6
	Downspouts disconnected from.. ..	130
Privies and {	Cleansed by tenants.....	...
Ashpits..... {	Emptied after complaint	1200
	New, provided	3500
Water Closets {	Ventilated	2
	Soil-pipes ventilated.....	11
	Urinals provided	1
	Dwelling-houses	40
	Cellars	8
	Lodging-houses.....	36
	" " Sub-let	7
	Bakehouses	225
Limewashed... {	Slaughter-houses	64
	Dairies and Milkshops.....	105
	Workshops.....	225
	Workshops (Domestic)	9
	Laundries	3
	Shippens	26
	Urinals	59

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

Closure of.....	{ Houses unfit for habitation.....	266
	{ Cellars unfit for habitation.....	...
	{ Lodging-houses.....	...
Newly Registered...	" " Sub-let	101
	Slaughter-houses	...
	Workshops.....	95
	" (Domestic)	4
	Dairies and Milkshops.....	26
	Bakehouses	64
Accumulations Removed ...	{ Second-hand Goods Stores	51
	{ Manure and Refuse	211
Smoke Nuisance ...	{ Stagnant Water	5
	{ Observations taken	2230
	{ Notices served	49
Passages and Yards	{ Cautionary Notices served	110
	{ Flagged	2
	{ Repaired	789
Infected Bed: and Clothing {	Drained	3
	Stoved	1490
Food	Destroyed	14
	Samp. purch. for analysis	826
Bad Meat.....	Seizures made	320
Animals removed from improper situations...		31
Overcrowding of dwellings abated.....		41
Houses repaired, by owners, after notice.....		494
" cleansed		167
Canal Boats painted		4
" defective		23
" repaired.....		10

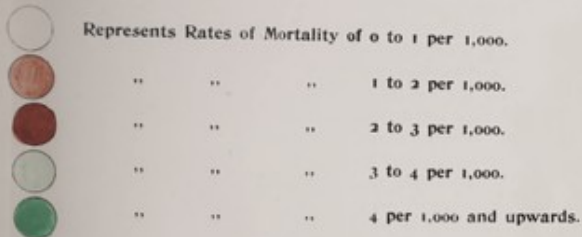
QUINQUENNIAL MAPS.

QUINQUENNIAL MAPS



MAP OF THE COUNTY BOROUGH OF SALFORD.

Divided into Registration Sub-Districts and Enumeration Districts, shewing the Average Zymotic Death Rate in each district in the years 1899 to 1903.







MAP OF THE COUNTY BOROUGH OF SALFORD.

Divided into Registration Sub-Districts and Enumeration Districts, shewing the Average Death Rate in each district in the years 1899 to 1903.

○	Represents Rates of Mortality of under 15 per 1,000.
●	" " " 15 to 20 per 1,000.
●	" " " 20 to 25 per 1,000.
●	" " " 25 to 30 per 1,000.
●	" " " 30 to 35 per 1,000.
●	" " " 35 per 1,000 and upwards.





LIFE TABLE FOR SALFORD,

BASED ON THE CENSUS POPULATION AND THE MORTALITY
EXPERIENCE OF THE YEARS 1891-1900.

With the view of providing an accurate means of comparing the health of Salford with that of other towns, and especially for the purpose of forming a sound basis for estimating the progress of the town in health in the future, I have prepared the Life Table which is appended hereto.

A Life Table is valuable from the above points of view, as it is the only means by which the accidental factors of age and sex distribution are entirely eliminated from the figures, and it also enables a comparison to be made at each year of age.

It is unnecessary to describe in detail the method adopted in the construction of the table, beyond stating that the distribution of the figures in the census and mortality groups has been carried out by the "Graphic" method, adopted by Dr. Newsholme in his Brighton Life Tables, and which I used in the preparation of the Life Table for Oldham. The figures in the various groups are given in Tables G and H.

In Tables A and B, comparisons are shown between the figures for Salford and those for London, Brighton, and England and Wales for the same period, and for Manchester for the preceding decenium.

LIFE TABLE FOR SALFORD

AND ON THE CENSUS POPULATION AND THE MORTALITY
EXPERIENCE OF THE YEARS 1891-1900.

With the view of providing an accurate means of
measuring the health of Salford with that of other towns,
especially for the purpose of forming a sound basis
for determining the progress of the town in health in the
future, I have prepared the Life Table which is appended

A Life Table is valuable from the above points of
view, as it is the only means by which the accidental
fluctuations of age and sex distribution are entirely eliminated
from the figures, and it also enables a comparison to be
made at each year of age.

It is unnecessary to describe in detail the method
used in the construction of the table, beyond stating
that the distribution of the figures in the census and
mortality groups has been carried out by the "Graphic"
method, adopted by Dr. Newsholme in his Brighton Life
Table, and which I used in the preparation of the Life
Table for Oldham. The figures in the various groups
are given in Tables C and H.

In Tables A and B, comparisons are shown between
figures for Salford and those for London, Brighton,
England and Wales for the same period, and for
the year for the preceding decennial.

As might be expected, the comparison with England and Wales, London, and Brighton is greatly to the disadvantage of Salford. Thus a male child born in Salford had an "expectation of life" of 33·3 years, whereas in London it had 40·9 years, in Brighton 44·9, and in England and Wales 44·1 years.

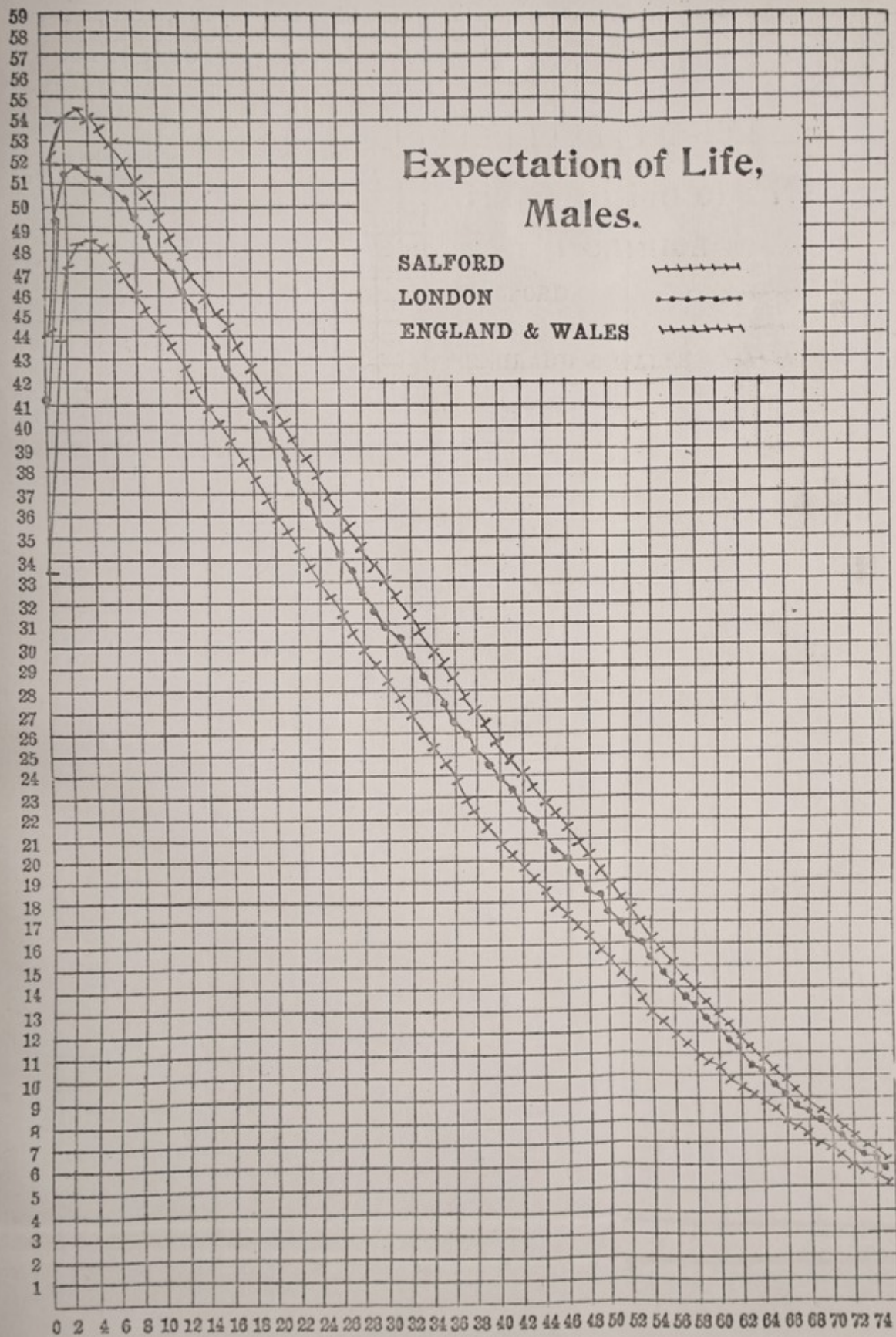
Compared with the Manchester of the preceding 10 years it is rather surprising to find that the "expectation of life" for the male child is worse in Salford, being 33·3 years as compared with 34·7 years in Manchester. By the time five years of age has been reached the relation of the figures has been altered, and the Salford child of 5 has an "expectation of life" of 48 years as compared with 45·6 in Manchester, and this improvement is maintained throughout the remainder of life. Assuming that the Manchester Life Table represents the condition of affairs in Salford at the same period this would prove that there has been some retrogression in the infant mortality, but improvement in the mortality in youth and manhood.

A comparison between the male and female Life Tables shows once again the higher "expectation of life" of females of all ages. Thus, whereas out of 100,000 females born, 63,909 reach 10 years, and 31,012 reach 60 years of age; out of a similar number of males, 60,296 reach 10, and 25,206 reach 60 years of age.

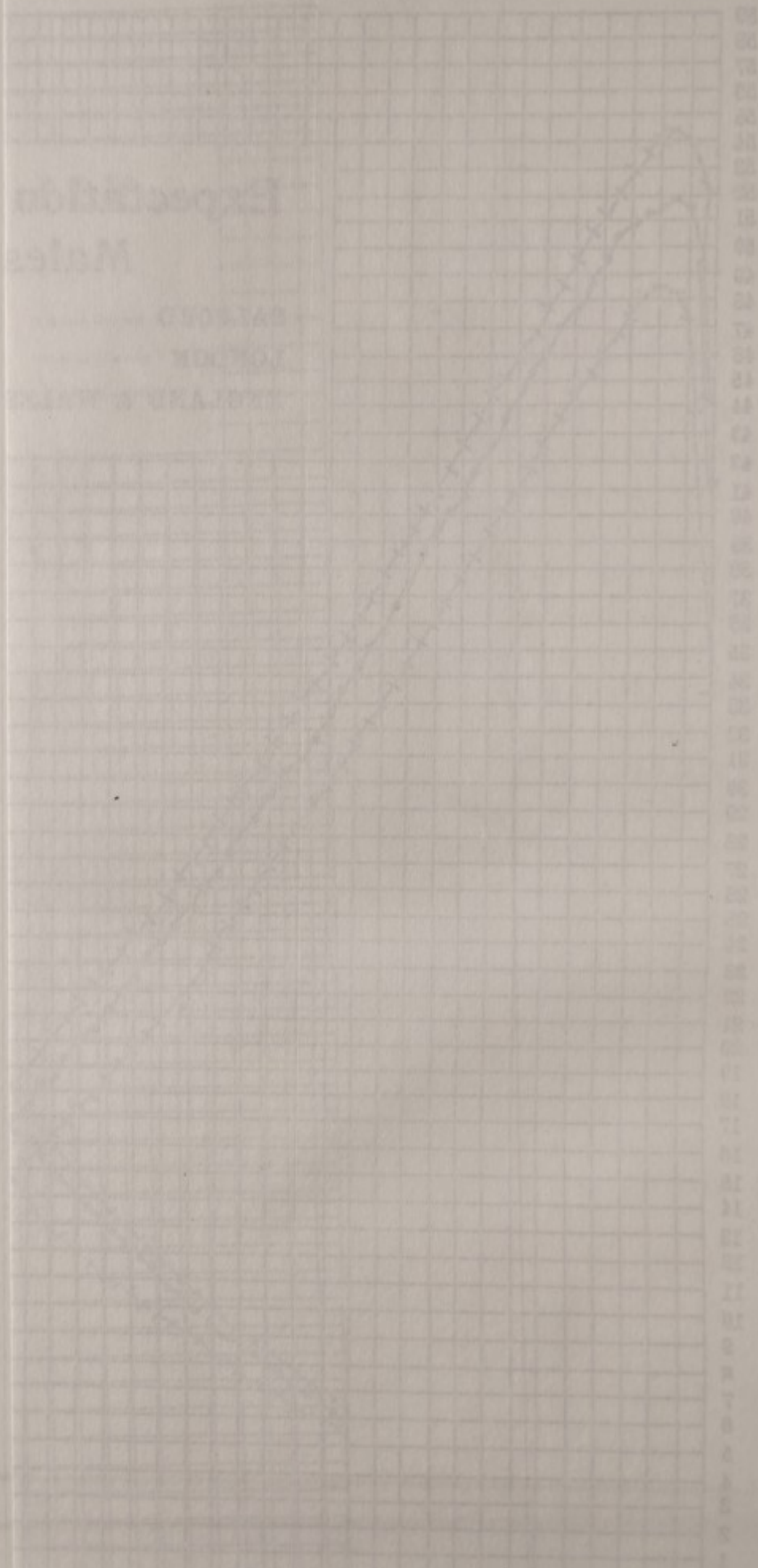
As might be expected, the comparison with England and Wales, London, and Brighton is greatly to the disadvantage of Salford. Thus a male child born in Salford had an "expectation of life" of 33.3 years, whereas in London it had 40.9 years, in Brighton 34.9, and in England and Wales 44.1 years.

Compared with the Manchester of the preceding 10 years it is rather surprising to find that the "expectation of life" for the male child is worse in Salford, being 33.3 years as compared with 34.7 years in Manchester. By the time five years of age has been reached the relation of the figures has been altered, and the Salford child of 5 has an "expectation of life" of 48 years as compared with 45.6 in Manchester, and this improvement is maintained throughout the remainder of life. Assuming that the Manchester Life Table represents the condition of affairs in Salford at the same period this would prove that there has been some retrogression in the infant mortality, but improvement in the mortality in youth and manhood.

A comparison between the male and female life tables shows once again the higher "expectation of life" of females of all ages. Thus whereas out of 100,000 females born, 63,900 reach 10 years, and 24,012 reach 50 years of age; out of a similar number of males, 60,100 reach 10, and 22,700 reach 50 years of age.



Experiment 10
Males
BALFOUR
JORDAN
TIGHE & WHITE



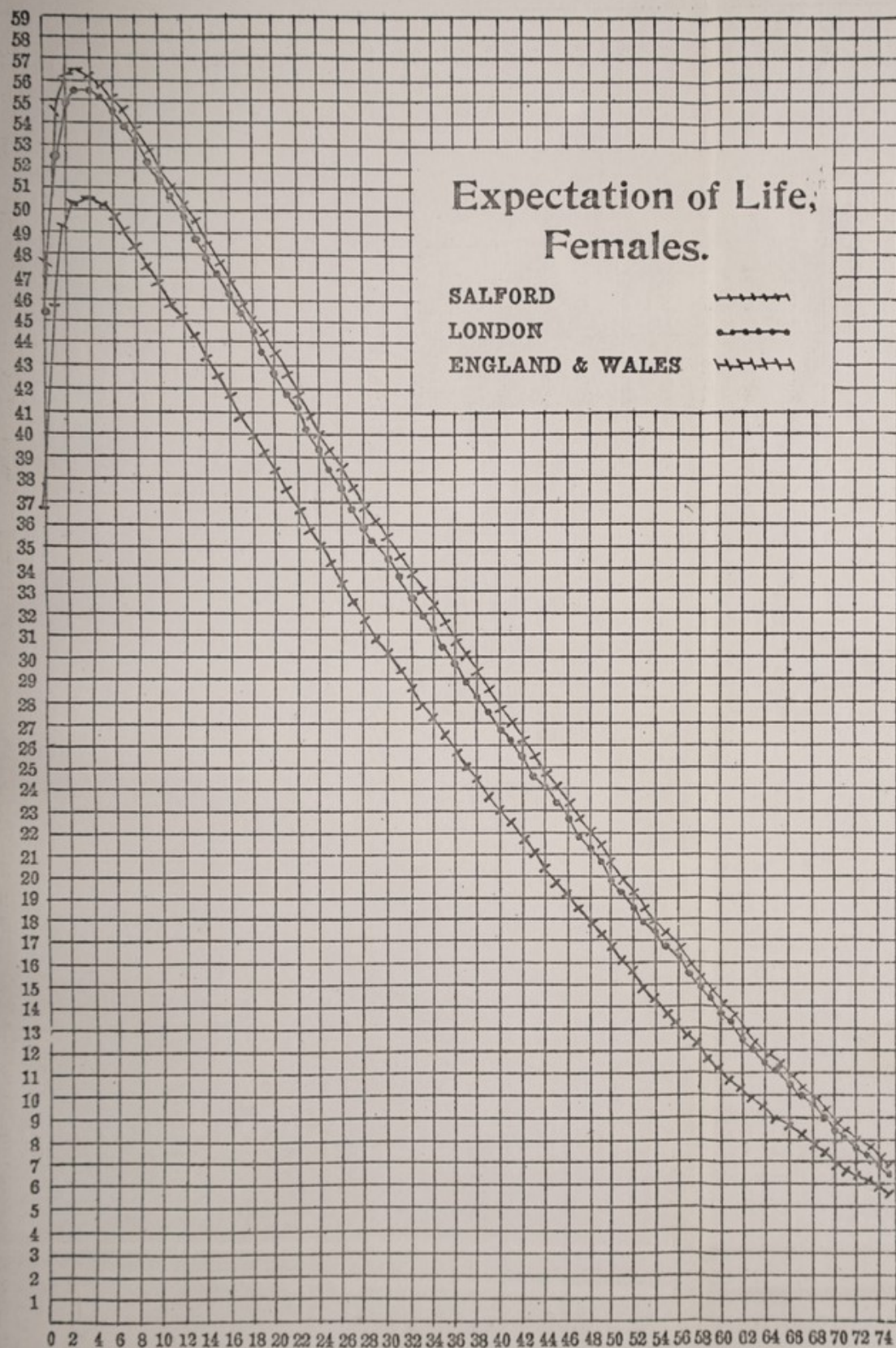


TABLE A.

EXPECTATION OF LIFE AT VARIOUS AGES.

SALFORD, LONDON, BRIGHTON, AND ENGLAND AND WALES
FOR 1891-1900, AND MANCHESTER FOR 1881-1890.

MALES.						
Age	Salford (1891-1900)	Manchest'r (1881-1890)	London (1891-1900)	Brighton (1891-1900)	England and Wales (1891-1900)	
0	33'30	34'71	40'98	44'92	44'11	
5	48'02	45'59	51'60	53'94	53'41	
10	44'39	42'75	47'84	49'80	49'54	
15	40'00	38'78	43'40	45'29	45'12	
20	35'93	34'62	39'13	41'09	40'93	
25	32'10	30'69	34'96	37'12	36'91	
35	24'44	23'76	27'25	29'45	29'22	
45	17'92	17'80	20'65	22'54	22'16	
55	12'45	12'49	14'76	16'44	15'79	
65	8'30	8'15	9'76	11'01	10'33	
75	5'19	5'11	5'91	6'49	6'14	
FEMALES.						
0	36'81	38'44	45'33	50'19	47'73	
5	50'31	48'06	55'12	58'52	55'69	
10	46'79	45'43	51'49	54'53	51'88	
15	42'51	41'50	47'10	50'21	47'52	
20	38'29	37'33	42'77	45'82	43'33	
25	34'18	33'38	38'46	41'42	39'27	
35	26'47	26'30	30'42	33'06	31'49	
45	19'75	19'79	23'29	25'42	24'14	
55	13'73	13'91	16'72	18'41	17'25	
65	8'98	9'11	11'01	11'98	11'26	
75	5'69	5'76	6'57	6'91	6'70	

TABLE B.
 NUMBER SURVIVING OUT OF 100,000 BORN.
 SALFORD, LONDON, BRIGHTON, AND ENGLAND AND WALES
 FOR 1891-1890, AND MANCHESTER FOR 1881-1890.

MALES.						
Age	Salford (1891-1900)	Manchest'r (1881-1890)	London (1891-1900)	Brighton (1891-1900)	England and Wales (1891-1900)	
0	100 000	100,000	100,000	100,000	100,000	
5	62,092	67,896	71,898	75,790	75,093	
10	60,296	64,675	70,152	74,550	73,482	
25	56,013	59,645	66,555	70,551	69,446	
45	43,491	43,664	53,471	58,260	57,655	
60	25,206	25,117	35,325	41,041	40,821	

FEMALES.						
0	100,000	100,000	100,000	100,000	100,000	
5	65,867	71,792	74,937	78,656	78,255	
10	63,909	68,256	73,050	77,272	76,558	
25	60,179	63,300	69,876	74,273	72,563	
45	48,241	49,192	59,196	65,449	61,869	
60	31,012	31,544	43,500	51,472	47,115	

TABLE C.
CENSUS POPULATION.
FEMALES.

Age.	Census 1891.	Census 1901.
Under 5... ..	12,825	13,409
5 to 10... ..	11,710	12 075
10 „ 15... ..	11,305	11,412
15 „ 20... ..	10,510	11,591
20 „ 25... ..	10,040	12,115
25 „ 35... ..	16,510	19,831
35 „ 45... ..	12,627	14,079
45 „ 55... ..	8,831	9,786
55 „ 65... ..	4,916	6,017
65 „ 75... ..	2,493	2,876
75 „ 85... ..	698	900
85 „ 95... ..	73	72
95 „ 100... ..	2	2
Over 100... ..	2	...
	102,542	114,165

TABLE D.
CENSUS POPULATION.

MALES.

Age.	Census 1891.	Census 1901.
Under 5... ..	12,704	13,173
5 to 10... ..	11,761	11,903
10 „ 15... ..	11,178	11,352
15 „ 20... ..	10,074	10,824
20 „ 25... ..	8,877	10,788
25 „ 35... ..	15,192	18,419
35 „ 45... ..	11,851	13,350
45 „ 55... ..	7,851	9,311
55 „ 65... ..	3,997	5,092
65 „ 75... ..	1,704	2,043
75 „ 85... ..	385	502
85 „ 95... ..	22	34
95 „ 100... ..	...	...
Over 100... ..	1	1
	95,597	106,792

TABLE E.

DEATHS REGISTERED BELONGING TO THE COUNTY
BOROUGH OF SALEORD DURING THE TEN
YEARS 1891-1900.

Age.	Males.	Females.
Under 1... ..	8,171	6,793
1 to 2... ..	2,425	2,428
2 „ 3... ..	974	936
3 „ 4... ..	538	534
4 „ 5... ..	351	424
5 „ 10... ..	678	719
10 „ 15... ..	332	368
15 „ 20... ..	510	423
20 „ 25... ..	671	540
25 „ 35... ..	1,371	1,342
35 „ 45... ..	2,055	1,882
45 „ 55... ..	2,503	2,177
55 „ 65... ..	2,449	2,443
65 „ 75... ..	1,737	2,318
75 „ 85... ..	697	1,130
85 „ 95... ..	73	170
Over 95... ..	1	5
	25,536	24,632

TABLE F.

BIRTHS REGISTERED IN SALFORD DURING THE
YEARS 1885-1901.

Year.	Males.	Females.
1885... ..	3,532	3,457
1886... ..	3,708	3,526
1887... ..	3,553	3,403
1888... ..	3,586	3,550
1889... ..	3,538	3,450
1890... ..	3,606	3,492
1891... ..	3,595	3,618
1892... ..	3,638	3,552
1893... ..	3,634	3,413
1894... ..	3,503	3,538
1895... ..	3,773	3,683
1896... ..	3,802	3,668
1897... ..	3,762	3,692
1898... ..	3,772	3,703
1899... ..	3,731	3,647
1900... ..	3,699	3,600
1901... ..	3,337	3,120
1902... ..	3,904	3,795

TABLE G.

SALFORD LIFE TABLE.

BASED ON THE MORTALITY IN TEN YEARS 1891-1900.

MALES.

Age	Number dying in each year of age	Born and Surviving at each age	Population or years of life lived in each year of age	Population or years of life lived in and above each year of age	Expectation of life at each age	Number surviving at each age out of 100,000 born
<i>x</i>	<i>dx</i>	<i>lx</i>	<i>Px</i>	<i>Qx</i>	<i>Ex</i>	
0	13,151	50,544	43,474	1,683,291	33'30	100,000
1	3,444	37,393	35,629	1,639,817	43'85	73,981
2	1,344	33,949	33,270	1,604,188	47'25	67,167
3	740	32,605	32,233	1,570,918	48'18	64,508
4	481	31,865	31,624	1,538,685	48'28	63,044
5	276	31,384	31,246	1,507,061	48'02	62,092
6	208	31,108	31,004	1,475,815	47'44	61,546
7	170	30,900	30,815	1,444,811	46'86	61,135
8	141	30,730	30,659	1,413,996	46'01	60,798
9	113	30,589	30,533	1,383,337	45'22	60,520
10	97	30,476	30,427	1,352,804	44'39	60,296
11	85	30,379	30,336	1,322,377	43'53	60,104
12	82	30,294	30,253	1,292,041	42'65	59,936
13	85	30,212	30,169	1,261,788	41'76	59,772
14	93	30,127	30,080	1,231,619	40'88	59,606
15	108	30,034	29,980	1,201,539	40'00	59,421
16	126	29,926	29,863	1,171,559	39'15	59,208
17	143	29,800	29,728	1,141,696	38'31	58,958
18	166	29,657	29,574	1,111,968	37'50	58,676
19	186	29,491	29,398	1,082,394	36'70	58,347
20	193	29,305	29,208	1,052,996	35'93	57,979
21	195	29,112	29,014	1,023,788	35'17	57,597
22	197	28,917	28,818	994,774	34'40	57,212
23	201	28,720	28,619	965,956	33'63	56,822
24	208	28,519	28,415	937,337	32'87	56,424
25	212	28,311	28,205	908,922	32'10	56,013
26	213	28,099	27,992	880,717	31'34	55,593
27	215	27,886	27,778	852,725	30'58	55,172
28	219	27,671	27,561	824,947	29'81	54,746
29	220	27,452	27,342	797,386	29'05	54,316
30	221	27,232	27,121	770,044	28'28	53,878
31	229	27,011	26,896	742,923	27'50	53,441
32	233	26,782	26,665	716,027	26'74	52,987
33	239	26,549	26,429	689,362	25'97	52,527
34	253	26,310	26,183	662,933	25'20	52,054
35	258	26,057	25,928	636,750	24'44	51,553
36	271	25,799	25,663	610,822	23'63	51,043
37	301	25,528	25,377	585,159	22'92	50,507
38	356	25,227	25,048	559,782	22'19	49,911
39	428	24,871	24,651	534,734	21'50	49,207
40	459	24,443	24,207	510,083	20'87	48,360
41	475	23,984	23,745	485,876	20'26	47,452
42	494	23,509	23,261	462,131	19'66	46,512
43	506	23,015	22,761	438,870	19'07	45,535
44	527	22,509	22,244	416,109	18'49	44,533

SALFORD LIFE TABLE (MALES)—*Continued.*

Age x	Number dying in each year of age dx	Born and Surviving at each age lx	Population or years of life lived in each year of age Px	Population or years of life lived in and above each year of age Qx	Expectation of life at each age Ex	Number surviving at each age out of 100,000 born
45	541	21,982	21,710	393,865	17'92	43,491
46	542	21,441	21,169	372,155	17'36	42,421
47	556	20,899	20,619	350,986	16'79	41,348
48	559	20,343	20,062	330,367	16'24	40,248
49	568	19,784	19,498	310,305	15'68	39,142
50	576	19,216	18,926	290,807	15'13	38,019
51	583	18,640	18,346	271,881	14'59	36,879
52	592	18,057	17,759	253,535	14'04	35,725
53	608	17,465	17,158	235,776	13'50	34,554
54	624	16,857	16,542	218,618	12'97	33,351
55	638	16,233	15,911	202,076	12'45	32,117
56	669	15,595	15,257	186,165	11'94	30,854
57	704	14,926	14,570	170,908	11'45	29,531
58	734	14,222	13,850	156,338	10'99	28,138
59	748	13,488	13,109	142,488	10'56	26,686
60	767	12,740	12,351	129,379	10'16	25,206
61	747	11,973	11,593	117,028	9'77	23,688
62	743	11,226	10,848	105,435	9'39	22,210
63	726	10,483	10,114	94,587	9'02	20,740
64	712	9,757	9,394	84,473	8'66	19,304
65	688	9,045	8,694	75,079	8'30	17,895
66	673	8,357	8,013	66,385	7'54	16,534
67	653	7,684	7,350	58,372	7'60	15,203
68	601	7,031	6,724	51,022	7'26	13,879
69	570	6,430	6,138	44,298	6'90	12,722
70	561	5,860	5,572	38,160	6'51	11,595
71	561	5,299	5,011	32,588	6'15	10,484
72	561	4,738	4,449	27,577	5'82	9,374
73	554	4,177	3,890	23,128	5'54	8,264
74	558	3,623	3,332	19,238	5'31	7,168
75	528	3,065	2,788	15,906	5'19	6,064
76	446	2,537	2,303	13,118	5'17	5,019
77	365	2,091	1,900	10,815	5'17	4,137
78	276	1,726	1,582	8,915	5'16	3,415
79	223	1,450	1,334	7,333	5'06	2,869
80	183	1,227	1,132	5,999	4'89	2,428
81	144	1,044	969	4,867	4'66	2,065
82	120	900	838	3,893	4'33	1,781
83	107	780	724	3,060	3'92	1,543
84	108	673	617	2,336	3'47	1,331
85	115	565	504	1,719	3'04	1,118
86	103	450	395	1,215	2'70	890
87	99	347	293	820	2'36	687
88	83	248	202	527	2'12	491
89	58	165	133	325	1'97	326
90	33	107	89	192	1'79	212
91	27	74	59	103	1'39	146
92	31	47	27	44	1'25	93
93	8	16	11	17	1'06	32
94	4	8	6	6	0'75	16

TABLE H.

SALFORD LIFE TABLE.

BASED ON THE MORTALITY IN TEN YEARS 1891-1900.

FEMALES.

Age	Number dying in each year of age	Born and Surviving at each age	Population or years of life lived in each year of age	Population or years of life lived in and above each year of age	Expectation of life at each age	Number surviving at each age out of 100,000 born
<i>x</i>	<i>dx</i>	<i>Lx</i>	<i>Px</i>	<i>Qx</i>	<i>Ex</i>	
0	10,722	49,456	43,768	1,820,723	36.81	100,000
1	3,502	38,734	36,941	1,776,955	45.87	78,320
2	1,314	35,232	34,569	1,740,014	49.39	71,239
3	746	33,918	33,543	1,705,445	50.28	68,582
4	597	33,172	32,872	1,671,902	50.40	67,074
5	257	32,575	32,446	1,639,030	50.31	65,867
6	226	32,318	32,205	1,606,584	49.71	65,347
7	193	32,092	31,995	1,574,379	49.06	64,890
8	159	31,899	31,820	1,542,384	48.35	64,500
9	133	31,740	31,674	1,510,564	47.59	64,178
10	111	31,607	31,551	1,478,890	46.79	63,909
11	101	31,496	31,445	1,447,339	45.95	63,685
12	97	31,395	31,346	1,415,894	45.10	63,481
13	97	31,298	31,250	1,384,548	44.24	63,285
14	103	31,201	31,150	1,353,298	43.37	63,088
15	112	31,098	31,042	1,322,148	42.51	62,880
16	115	30,986	30,928	1,291,106	41.67	62,654
17	120	30,871	30,811	1,260,178	40.82	62,421
18	120	30,751	30,691	1,229,367	39.98	62,179
19	126	30,631	30,568	1,198,676	39.13	61,936
20	137	30,505	30,436	1,168,108	38.29	61,681
21	140	30,368	30,298	1,137,672	37.46	61,404
22	148	30,228	30,154	1,107,374	36.63	61,121
23	156	30,080	30,002	1,077,220	35.81	60,822
24	162	29,924	29,843	1,047,218	35.00	60,506
25	167	29,762	29,679	1,017,375	34.18	60,179
26	172	29,595	29,509	987,696	33.37	59,841
27	179	29,423	29,333	958,187	32.57	59,493
28	190	29,244	29,149	928,854	31.76	59,131
29	203	29,054	28,952	899,705	30.97	58,747
30	228	28,851	28,737	870,753	30.18	58,337
31	246	28,623	28,500	842,016	29.42	57,876
32	258	28,377	28,248	813,516	28.67	57,378
33	275	28,119	27,981	785,268	27.93	56,857
34	284	27,844	27,702	757,287	27.20	56,301
35	300	27,560	27,410	729,585	26.47	55,726
36	316	27,260	27,101	702,175	25.76	55,120
37	331	26,944	26,778	675,074	25.05	54,481
38	346	26,613	26,439	648,296	24.36	53,811
39	362	26,267	26,085	621,857	23.67	53,112
40	375	25,905	25,717	595,772	23.00	52,380
41	390	25,530	25,334	570,055	22.33	51,622
42	407	25,140	24,936	544,721	21.67	50,833
43	428	24,733	24,518	519,785	21.02	50,010
44	447	24,305	24,080	495,267	20.38	49,145

SALFORD LIFE TABLE (FEMALES)—Continued.

Age	Number dying in each year of age	Born and Surviving at each age	Population or years of life lived in each year of age	Population or years of life lived in and above each year of age	Expectation of life at each age	Number surviving at each age out of 100,000 born
x	dx	Lx	Px	Qx	Ex	
45	446	23,858	23,634	471,187	19'75	48,241
46	452	23,412	23,185	447,553	19'12	47,339
47	473	22,960	22,722	424,368	18'48	46,426
48	481	22,487	22,245	401,646	17'86	45,469
49	499	22,006	21,755	379,401	17'24	44,496
50	520	21,507	21,245	357,646	16'63	43,487
51	539	20,987	18,716	336,401	16'03	42,436
52	558	20,448	20,167	315,685	15'44	41,346
53	576	19,890	19,600	295,518	14'86	40,218
54	600	19,314	19,012	275,918	14'29	39,053
55	625	18,714	18,399	256,906	13'73	37,840
56	649	18,089	17,762	238,507	13'19	36,576
57	674	17,440	17,100	220,745	12'66	35,264
58	704	16,766	16,410	203,645	12'15	33,901
59	732	16,062	15,692	187,235	11'66	32,478
60	742	15,330	14,954	171,543	11'19	31,012
61	741	14,588	14,213	156,589	10'73	29,497
62	750	13,847	13,467	142,376	10'28	27,999
63	748	13,097	12,717	128,909	9'84	26,482
64	740	12,349	11,973	116,192	9'41	24,970
65	743	11,609	11,231	104,219	8'98	23,473
66	741	10,866	10,489	92,988	8'56	21,971
67	736	10,125	9,750	82,499	8'15	20,473
68	724	9,389	9,020	72,749	7'75	18,984
69	715	8,665	8,300	63,729	7'35	17,521
70	715	7,950	7,584	55,429	6'97	16,075
71	720	7,235	6,866	47,845	6'61	14,629
72	721	6,515	6,144	40,979	6'29	13,173
73	721	5,794	5,421	34,835	6'01	11,715
74	728	5,073	4,695	29,414	5'80	10,258
75	673	4,345	3,994	24,719	5'69	8,786
76	582	3,672	3,368	20,725	5'64	7,425
77	461	3,090	2,850	17,357	5'62	6,248
78	376	2,629	2,434	14,507	5'52	5,316
79	294	2,253	2,101	12,073	5'36	4,556
80	237	1,959	1,837	9,972	5'09	3,961
81	192	1,722	1,623	8,135	4'72	3,482
82	185	1,530	1,435	6,512	4'26	3,094
83	217	1,345	1,232	5,077	3'77	2,720
84	284	1,128	976	3,845	3'41	2,281
85	227	844	722	2,869	3'40	1,707
86	153	617	535	2,147	3'48	1,247
87	103	464	409	1,612	3'47	938
88	77	361	320	1,203	3'33	730
89	62	284	251	883	3'11	574
90	47	222	197	632	2'85	449
91	36	175	156	435	2'48	354
92	31	139	122	279	2'01	281
93	27	108	93	157	1'45	218
94	27	81	64	64	0'79	164

PLATE III.

Diagram showing the Number that Survive to each age out of 100,000 Male Children born.

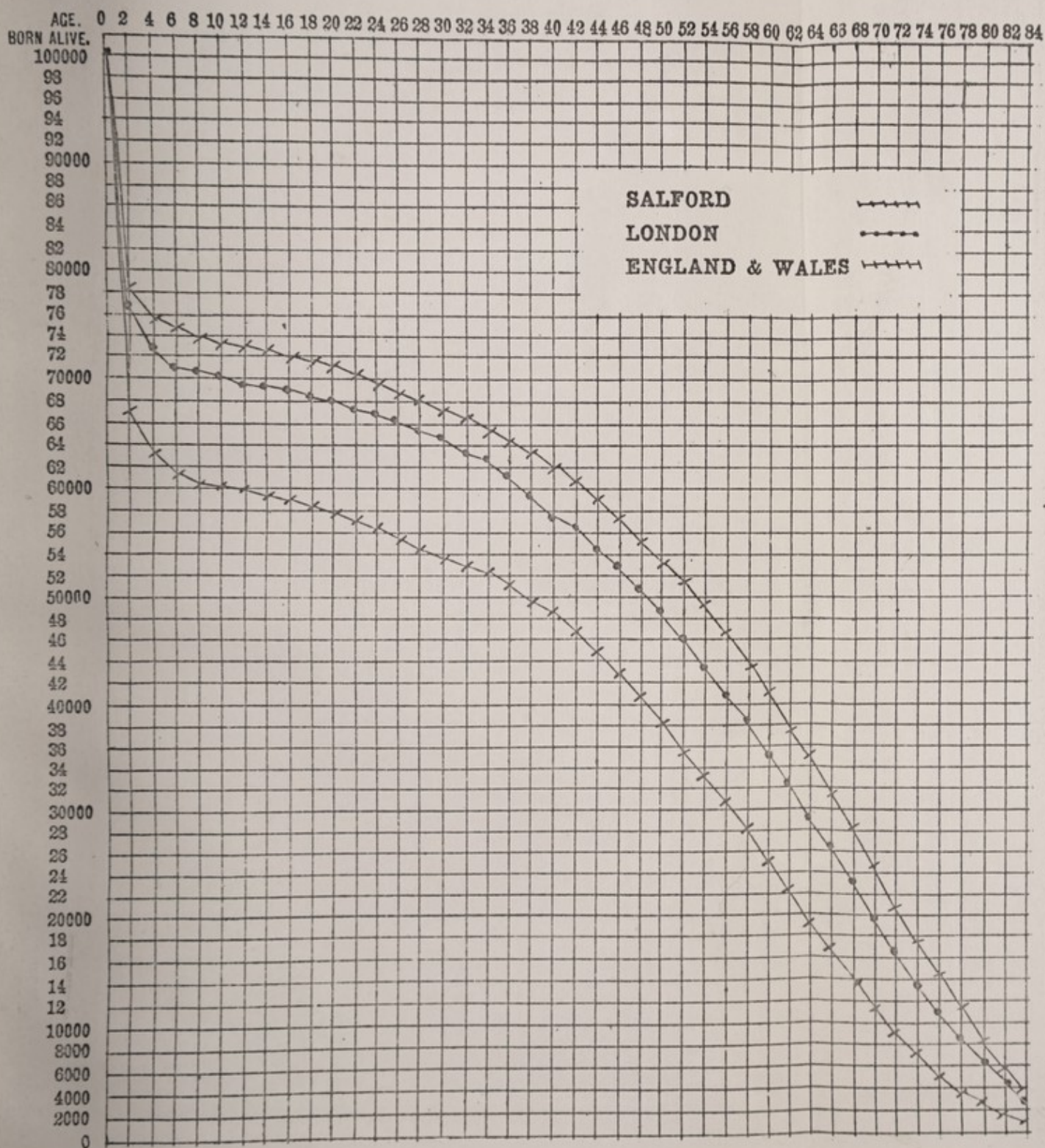


PLATE IV.

Diagram showing the Number that Survive to each age out of 100,000 Female Children born.

