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Borough of



Leicester.



ANNUAL REPORT

ON THE
HEALTH AND SANITARY CONDITION
OF THE BOROUGH,

WITH
Quarterly and Yearly Tables of Deaths,

FOR 1880,

BY
WILLIAM JOHNSTON, M.D.,

MEDICAL OFFICER OF HEALTH.

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BOROUGH OF LEICESTER.

SANITARY COMMITTEE.

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” ” CROW,

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” COUNCILLOR WILFORD,

” ” WOOD.

*The Committee meet every Friday, at the Committee Room, Town Hall, at half past
Three o'clock in the Afternoon.*

TO THE SANITARY COMMITTEE OF THE TOWN COUNCIL OF
LEICESTER.

10TH APRIL, 1881.

MR. CHAIRMAN AND GENTLEMEN,

I have the honour to present my Report on the Health of the Borough for the year 1880.

The method used in estimating the gross death-rates in the accompanying Report is the same as that formerly adopted by Drs. Buck, Moore, and Crane, in compiling their valuable Reports on the Health of the Borough. Death-rates thus calculated convey, however, but an imperfect notion of the relative healthiness of the different districts in the town.

The municipal boundaries now enclose an extensive acreage and include, as might be expected, inhabited areas differing widely in salubrity. The Census just taken presents a favourable opportunity for obtaining such information as will enable me, in my next Report, to lay before you the differences which exist between separate areas with respect to mortality. By this means you will become acquainted with the precise limits and mortality of the *most unhealthy districts* of the town, information which will enable you to discover more readily and limit more successfully any prevailing causes which have here contributed to swell the death-rates.

On page 41 of this Report I have drawn special attention to the all-important question of infant mortality which last year was again excessively high when compared with other large towns. For years past, the high infant death-rate has been a reproach to the town and, although the general sanitary work of the Borough has been both energetically and ably carried out, the death returns of 1880 show that the causes so especially wasteful of infant life still remain undiminished in number and severity. A reduction of this mortality would be effected if Crèches or Day Nurseries were established in several of the wards in the Borough. Under the careful supervision of benevolent ladies, these nurseries would prove highly advantageous in diminishing the suffering and disease among infants which result from the mismanagement and neglect of mothers.

I have the honour to be,

Mr. Chairman and Gentlemen,

Your obedient Servant,

WILLIAM JOHNSTON,

Health Officer.

2, MELBOURNE STREET,
LEICESTER.

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REPORT
ON THE
HEALTH OF LEICESTER
IN 1880.



PREFACE.

THE census summaries just completed show that the population of Leicester has been considerably over-estimated by the Registrar-General.

At the middle of 1871, the year of the previous census, the number of inhabitants was equal to 95,884. Using as a basis the rate of increase ruling between the two previous census periods, the Registrar-General estimated the population in 1880 at 129,912, which showed an assumed increase of 34,028 persons on the return of 1871, and represented an average annual increase to the town of 3,781 persons.

From the information sent in by the Superintendent Registrar, it would appear that the actual population at the middle of last year was at most 120,325, which represented an increase in the nine years (1871-'80) of 24,441, or equal to an annual average increase of 2,715 persons.

This wide discrepancy between the actual and assumed population was mainly due to a steady flow of emigration of a portion of the inhabitants, not to distant parts, but to the districts situated on the immediate outskirts of the town. The villages of Knighton, Oadby, Wigston, Aylestone, New Humberstone, and Belgrave, but more especially the three latter places, have within the last 10 years extended most rapidly in area, and, in no instance, has this increase been owing to an inherent growth of population, but has resulted rather from an extensive immigration of families from Leicester.

Had this continuous depletion from the population of the town been arrested by the bulk of the people taking up fresh residences within the limits of the Borough, I feel assured that the Registrar-General's estimate for last year would have been found to be below, instead of above, the actual number of inhabitants.

From the present census returns, one fact is clearly established, viz., that from the peculiarity in the movements of the population between Leicester and its environments, the method at present adopted by the Registrar-General for estimating the population is altogether unreliable.

For the purposes of future statistical calculations, the population must be estimated on the number of inhabited houses in the borough, a return of which will have to be supplied annually by the Assistant Overseers.

Unaware that so great a discrepancy would be found in the population, as has been proved to be the case, I had calculated the various rates in my Report for 1880 on the Registrar-General's estimate. The proportions were, of course, too low, and at the request of the Sanitary Committee I have re-calculated the rates on the corrected estimate.

For comparative information, the rates of Nottingham, Salford, and Oldham, will only be given. As these towns had, about two or three years ago, revised estimates of their populations calculated from special returns of the inhabited houses within their respective boroughs, their rates may consequently be accepted as the most accurate among the large towns.

REPORT.

BIRTHS.

The births registered during last year were 4,860; of these, 2,435 were males, and 2,425 females. The births exceeded by 173 the number returned in 1879, and showed an increase of 110 on the average of the four preceding years. The annual birth-rate (births to population) was equal to 40·4 per 1,000.

DEATHS.

During the year 1880, the deaths registered in the Borough were 2,993. To this number must be added 28 deaths that occurred in the Borough Fever Hospital, and 25 in the Borough Asylum at Humberstone. From the total 3,046 fatal cases must be deducted 44 deaths that took place in the County Asylum, and 33 in the Infirmary, of patients who had been received into these institutions from County districts. The remaining number, 2,969, represents the corrected total deaths for the year under notice. This number exceeds that of the year 1878 by 469, and that of 1879 by 318.

As closer attention is directed to the death returns from large towns in each succeeding year, the greater is the weight of evidence that atmospheric influences take precedence of all other causes in governing the fatality among urban populations. The weather that prevailed in Leicester during the first and second quarters of 1880 was by no means so severe and unfavourable to health as that which ruled in the corresponding periods of 1879, and this comparative mildness was followed by a marked reduction in the death returns for each quarter. A marked rise in the mortality took place during the summer quarter, and was mainly due to a sudden and increased prevalence of insalubrious atmospheric influences established by the high degrees of heat with

little rainfall, &c., experienced in the second, third, and fourth weeks of August. Certain it is, that during the continuous and heavy rainfall in the July month, the weekly deaths were not excessive for this period of the year. The prolonged period of dry and warm weather that began in the second week of August was quickly followed by a decided increase in the weekly deaths, and no noteworthy decline took place in the returns until the fourth week in October. Throughout this period of remarkable fatality, extending over 11 weeks, the average number of weekly deaths was 85, and showed an increase of 16 upon the weekly average for the corresponding interval in the 10 preceding years. In the fourth week of October the deaths declined, and the reduction was pretty evenly maintained until the close of the year. A full record of the weather that prevailed in the summer season of last year will be found further on.

The excess of births over deaths, representing the natural increase to the population, was 1,891, which shows a decline of 145 on the accession thus received in 1879, and of 303 on the average accession in the four years 1876-'79.

The mortality for the year under notice was 24·7 per 1,000 living, a rate which compares favourably with those of the factory towns mentioned below.

DEATH-RATE PER 1,000 PERSONS LIVING FOR THE YEAR 1880.

Nottingham.	Salford.	Leicester.	Oldham.
25·1	25·9	24·7	23·3

In the following Table I have classified the corrected total deaths, and calculated the rates for the respective classes of disease.

Class of Diseases.	Deaths.	Death-rate.	o/0 of Total Deaths.
I. Zymotic ...	848	7·05	28·6
II. Constitutional ...	367	3·05	12·4
III. Local ...	1,070	8·8	36·1
IV. Developmental...	586	4·87	19·7
V. Violence ...	61	0·51	2·0
VI. Ill-defined ...	37	0·31	1·2
Total ...	2,969	24·68	100·0

The 2,969 deaths last year included 1,727 of children under five years, and of these no fewer than 1,070 were infants under one year of age. The numbers of males and females who died were 1,557 and 1,412 respectively. For every 100 females who died in the year there were 110 deaths of males, but this proportion is obtained from the deaths of males and females as they occurred in unequal populations of the sexes, for in Leicester the number of females considerably exceeds that of males. If the sexes had been equally represented, the proportion of the deaths of females to males would have been as 100 to 124.

In Table I. the rates of mortality are given at different ages and groups of ages, together with the English Life Table-rates for the same age periods. The figures in the Table disclose the fact that the mortality among infants and children under three years of age was very high, and greatly exceeded the English Life Table-rates: the Leicester death-rates among children whose ages were returned under the periods 0-1, 1-2, and 2-3 years were respectively 271.02, 115.95, and 47.7 per 1,000 estimated as living at these ages, whereas the Life Table-rates for the corresponding ages are 165.38, 65.58, and 36.14. Thus the largest excess of mortality over the Life Table-rates is shown to have occurred among children who had not completed the first year of existence. The rate of infant mortality, measured by the proportion of deaths under one year to births, was equal to 220 per 1,000, against 189 in 1877, 203 in 1878, 187 in 1879, and an average of 210 in the eight preceding years. The subject of infant mortality will be more fully discussed later on.

At the different groups of ages over four years, the Leicester death-rates for *persons* were, without a single exception, below those of the Life Table, and in most of them the deficiency was considerable. The results thus tabulated show that the causes of death last year were most hurtful to early childhood and unusually fatal to infant life. On comparing the death-rates at different ages for last year with those for 1878 and '79, a most important fact appears, viz.: for three consecutive years (1878, '79, and '80) the mortality in Leicester at all the groups of ages

between three and 85 years has, with the most trifling exceptions, preserved the limits of the English Life Table. The maintenance of health under the very varied seasonal vicissitudes experienced during these years fully justifies the conclusions (*a*), That the constitution of the population was satisfactorily vigorous at most of the intervals of life, and (*b*) That insanitary conditions which menaced and affected life at such ages were successfully dealt with by the Health Authorities of the borough.

TABLE I.

POPULATION, DEATHS, AND ANNUAL RATE OF MORTALITY IN THE BOROUGH OF LEICESTER DURING THE YEAR 1880 AT SIXTEEN GROUPS OF AGES COMPARED WITH THE ENGLISH LIFE-TABLE RATES AT THOSE AGES FOR PERSONS.

	Persons.		Annual Rate per 1,000 persons living.	
	Estimated Population, 1880.	Deaths, 1880.	Leicester.	English Life Table.
All Ages	120,325	2,969	24·67	21·5
Under 1 year..	3,948	1,070	271·02	165·38
1—2 years....	3,303	383	115·95	65·58
2—3 „	3,103	148	47·7	36·14
3—4 „	2,979	77	25·84	24·33
4—5 „	2,875	49	17·04	17·92
Total under 5 } years	16,208	1,727	106·55	65·7
5—10 years ..	13,509	107	7·9	9·6
10—15 „ ..	12,340	32	2·6	5·2
15—20 „ ..	12,655	52	4·1	6·5
20—25 „ ..	11,563	52	4·5	8·9
25—35 „ ..	18,338	133	7·2	10·3
35—45 „ ..	13,775	155	11·3	12·8
45—55 „ ..	10,224	169	16·5	17·6
55—65 „ ..	6,835	177	25·9	30·4
65—75 „ ..	3,634	193	53·1	62·4
75—85 „ ..	1,117	139	124·4	131·2
85 and upwards	134	33	246·3	258·3

ZYMOTIC DISEASES.

The deaths registered in 1880 from the miasmatic order of the zymotic class of diseases numbered 830, and comprised 13 deaths from Croup, 11 from Erysipelas, 8 from Puerperal Fever, 2 from Carbuncle, 1 from Dysentery, 1 from Cholera, and 8 from Rheumatism, together with 779 fatal cases returned under the seven principal zymotic diseases. The total deaths were equal to 28 per cent. of the deaths from all causes, and to an annual rate of 6·9 per 1,000 persons living. The 779 deaths referred to the seven principal zymotic diseases, represented 26 per cent. of the deaths from all causes, and showed the zymotic death-rate for the year to be 6·5 per 1,000 of population. The subjoined figures give the zymotic death-rates for 1880 in four factory towns.

Nottingham.	Salford.	Leicester.	Oldham.
4·7	6·8	6·5	4·0

The high rate of Leicester last year was mainly attributable to the excessive fatality caused by an epidemic prevalence throughout the year of Measles and Scarlet Fever, conjoined with an unprecedented number of deaths from Diarrhœa during the summer quarter.

BOROUGH.	First Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Average for Year.
Nottingham	5·8	3·6	6·6	3·1	4·7
Salford	4·6	5·0	11·7	5·8	6·8
Leicester	3·6	2·8	14·9	4·6	6·5
Oldham	3·4	3·3	6·1	3·3	4·0

The ages and sex of the deaths recorded in 1880 from the seven zymotic diseases were as follows :

Under 1 year ...	329, viz. :	Males, 175 ...	Females, 154.
From 1 to 5 years...	343	„ „ 160 ...	„ 183.
5 years and upwards	107	„ „ 52 ...	„ 55.
All ages	779	„ „ 387 ...	„ 392.

From this statement of ages, it appears that 42 per cent. of the deaths were of infants under one year, and 44 per cent. were of children between one and five years of age; thus 86 per cent. of the deaths from preventable causes occurred among children under five years.

In Table II. I have given the zymotic mortality for four towns in each quarterly period of 1880; from this Table the following facts are established with respect to the *history* of the annual zymotic rate of Leicester for last year.

1st. The rate in the first and second quarters compared most favourably with the returns of the other towns.

2nd. The rate in the third quarter was the highest in the list, and showed a marked excess over even the Salford rate.

3rd. The high average rate *for the year* was mainly due to the great excess observed in the rate for the third quarter.

In other words, the deaths from zymotic causes were so numerous in the third quarter as totally to obscure the satisfactory reduction of mortality observed in the other seasons of the year.

The total deaths, referred to the seven principal zymotic diseases, during the summer quarter numbered 447, and they were distributed as under:

Disease.	Deaths, Third Quarter, 1880.	Quarterly average Deaths, 1st, 2nd, and 4th Quarters, 1880.
Small Pox.....	—	—
Measles	48	39
Scarlet Fever ...	*24	*32
Diphtheria	11	4
Whooping Cough	6	7
Fever.....	12	12
Diarrhœa	346	17

* * These deaths include the fatal cases in the Borough Fever Hospital at Freake's Grounds.

From the above statement it will be seen that, in the third quarter, the deaths from Measles, Diphtheria, and Diarrhœa, showed an increase over the average number recorded in the three remaining quarters. The increase was, however, most marked in the deaths from Diarrhœa, which last year proved unusually destructive to life and was, practically speaking, the sole cause of the exceptionally high zymotic rate shown in the Table above referred to.

MEASLES.

166 deaths were recorded last year from this disease, showing an increase of 94 upon the number in 1879, and of 121 upon the average deaths in the 10 years 1870-'79. The annual death-rate was 1.38 per 1,000. In the year 1868, Measles caused excessive fatality in the town, when no fewer than 247 children succumbed to its attack; since that time, however, the complaint never assumed epidemic proportions until last year. The mortality was distributed among the quarterly periods of 1880 as follows: 51 deaths occurred in the first quarter, 38 in the second, 48 in the third, and 29 in the fourth. Of the 51 fatal cases returned in the first quarter, 21 took place in the interval of a few weeks among the children of the Union Workhouse. The cause of this high fatality among the youthful inmates, although in part owing to the disease being of a much graver type than usual, was chiefly to be found in the fact that the means then at disposal for the proper isolation of the sick were altogether insufficient and, as a consequence, very few of the susceptible children, I understand, escaped an attack. By the erection of some detached pavilion wards, which afford ample means for the isolation of cases in any future outbreak of infectious disease, the Guardians of the poor have provided against the possibility of a similar instance of spread and fatality. Speaking generally of the disease as it affected the town, the prevailing type of the cases was much more severe than is usually observed. A strong tendency to the occurrence of dangerous complications also marked the disorder, which contributed in no small degree to its fatality.

In the following table is shown the number of deaths from Measles in 19 towns for the six years 1874-'79, with the deaths in 1880. Apart from any increase in mortality which may have arisen from the greater severity of the disease, the great increase in the deaths observable in the returns of the last two years from most of the towns shows that the disease was widely diffused over the country, and would warrant the conclusion that there was something in the seasonal circumstances of these years (atmospheric moisture?) which largely favoured its extension among town populations.

TABLE IV.

DEATHS AND MORTALITY FROM MEASLES IN 19 LARGE TOWNS.

BOROUGH.	1874.	1875.	1876.	1877.	1878.	1879.	1880.
London	1,655	1,427	1,741	2,347	1,510	2,488	1,501
Portsmouth	55	64	127	12	47	10	54
Norwich	6	18	12	29	9	46	12
Bristol	66	107	75	135	51	75	74
Plymouth ... ..	...	..	...	4	73	46	284
Wolverhampton	49	2	38	9	9	53	6
Birmingham	134	138	87	305	51	167	62
Leicester	24	45	47	36	41	72	166
Nottingham	19	75	35	16	47	73	265
Liverpool	444	117	688	197	444	478	283
Manchester	226	209	220	223	169	137	200
Salford	138	138	145	137	75	139	134
Bradford	137	22	135	19	51	86	66
Oldham ... ..	...	...	...	11	116	10	92
Leeds	185	107	178	122	94	203	66
Sheffield	75	42	170	99	61	105	79
Hull	50	31	45	40	4	38	204
Sunderland	60	5	43	1	94	1	99
Newcastle	16	47	26	19	16	92	15

FEVER HOSPITAL.

The number of acute cases under treatment in the Hospital at the close of the year 1879 was 29. During last year there were in all 283 patients admitted, showing an increase of 14 upon the number of admissions in 1879. Of these cases, 230 were suffering from Scarlet Fever, 47 from Erysipelas, 5 from Typhoid Fever, and 1 from Small Pox. 28 deaths occurred in the year, and, with the exception of one from Typhoid Fever, they were confined to the Scarlet Fever wards. The rate of mortality was equal to 9.9 per cent. The majority of the 47 cases of Erysipelas were suffering from severe forms of the disease: but, owing to the incessant care of the matron and nurses who had charge of them, I am happy to state that none of the cases proved fatal. Less fortunate results attended the treatment of the five cases of Typhoid Fever (admitted under Scarlet Fever), as two of them were seized with fatal complications. On the 18th February last year a tramp was sent in from the Workhouse suffering from confluent Small Pox. This case, though most severe, made a good recovery, and no other case of the disease occurred in the town. To my mind it is a matter for congratulation that so large a number of people availed themselves during the present epidemic of Scarlet Fever of the means for isolation which the Hospital provides: so extensive a removal of infection must unquestionably have exercised a most saving influence on the health and life of the population.

SUMMARY OF CASES OF INFECTIOUS DISEASES ADMITTED INTO THE
BOROUGH HOSPITAL DURING 1880.

No.	Age.	Date of Admission.	Residence.	Disease.	Date of Discharge.	Observations.
1	26	Jan. 3	Court K, Belgrave Gt.	Erysipelas		
2	29	„ 3	Biddulph Street	Scarlet Fever	Jan. 24	
3	6	„ 4	Gloucester Street	„ „	Feb. 14	
4	10	„ 5	Forest Road	„ „	Jan. 28	
5	21	„ 5	Union	Erysipelas	Mar. 4	
6	25	„ 6	Union	„	Feb. 24	
7	3	„ 7	Bishop's Yard	Scarlet Fever	„ 4	
8	14	„ 8	Upper Conduit Street	Erysipelas	„ 18	
9	3	„ 9	Poplar Avenue	Scarlet Fever	„ 21	Severe.
10	7	„ 10	Biddulph Street	„ „	„ 18	
11	13	„ 10	„ „	„ „	„ 21	
12	3	„ 12	Curzon Street	„ „	„ 28	
13	4	„ 13	Gresham Street	„ „	„ 21	
14	5	„ 14	Cedar Road	„ „	„ 21	
15	2	„ 15	Alexander Street	„ „	„ 11	
16	4	„ 15	„ „	„ „	„ 10	
17	72	„ 18	Blake Street	Erysipelas	„ 11	
18	58	„ 19	Melton Street	„	„ 6	
19	8	„ 21	Mowbray Street	Scarlet Fever	„ 20	
20	12	„ 21	„ „	„ „	„ 20	
21	12	„ 23	Ashwell Street	„ „	„ 6	
22	5	„ 23	Lower Vine Street	„ „	„ 13	
23	8	„ 23	Chancery Street	„ „	„ 21	
24	15	„ 24	Millstone Lane	„ „	Mar. 19	
25	2	„ 25	Humberstone Gate	„ „	Feb. 21	

No.	Age.	Date of Admission.	Residence.	Disease.	Date of Discharge.	Observations.
26	5	Jan. 27	Gresham Street	Scarlet Fever	Mar. 6	
27	3	„ 28	Lower Vine Street	„ „	„ 13	Very severe.
28	29	„ 28	Morlidge Street	Erysipelas	Feb. 14	
29	$\frac{3}{4}$	„ 28	Thornton Lane	Scarlet Fever	„ 2	Severe.
30	5	„ 28	Lower Conduit Street	„ „	Mar. 6	
31	6	„ 29	Jarrom Street	„ „	„ 13	
32	12	„ 28	Gresham Street	„ „	Feb. 3	
33	4	„ 29	Jarrom Street	„ „	Mar. 13	
34	2	„ 31	Benford Street	„ „	Jan. 3	Died. Bronchitis.
35	4	„ 31	„ „	„ „	Mar. 6	
36	34	Feb. 1	Kent Street	„ „	„ 8	
37	6	„ 1	Kate Street	„ „	„ 13	Very severe.
38	7	„ 3	Cobden Street	„ „	„ 20	
39	5	„ 3	Court B, High Cross St	„ „	„ 13	
40	4	„ 2	Kate Street	„ „	„ 13	Severe.
41	6	„ 4	Court B, High Cross St	„ „	„ 20	
42	5	„ 6	Syston Street	„ „	„ 20	
43	15	„ 6	Upper Kent Street	„ „	„ 20	Purple-coloured Rash.
44	7	„ 7	Kate Street	„ „	Apr. 3	Malignant.
45	6	„ 8	Martin Street	„ „		
46	75	„ 10	Union	Erysipelas	Feb. 25	
47	5	„ 11	Abbey Gate	Scarlet Fever	Mar. 20	Very severe.
48	6	„ 12	Station Street	„ „	„ 27	
49	12	„ 12	„ „	„ „	„ 27	
50	62	„ 12	Union	Erysipelas	Feb. 25	
51	3	„ 13	Court B, High Cross St	Scarlet Fever	Mar. 27	
52	6	„ 14	Biddulph Street	„ „	„ 27	
53	10	„ 14	Sanvey Gate	Erysipelas	Feb. 28	
54	16	„ 16	Martin Street	Scarlet Fever	Mar. 6	

No.	Age.	Date of Admission.	Residence.	Disease.	Date of Discharge.	Observations.
55	30	Feb. 17	Magenta Street	Erysipelas	Mar. 4	
56	30	„ 18	Union	Variola	„ 24	
57	7	„ 21	Denman Street	Scarlet Fever	Apr. 3	Severe.
58	11	„ 21	Little Holme Street	„ „	„ 10	
59	13	„ 23	East Street	„ „	„ 3	
60	4	„ 24	Clarendon Street	„ „	„ 3	
61	4	„ 25	Albert Street	„ „	„ 3	{ Died. Albuminuria and Coma.
62	5	„ 25	„ „	„ „	„ 3	
63	3	„ 25	Kent Street	„ „	Mar. 20	
64	6	„ 26	Friars Causeway	„ „	Apr. 5	
65	2	„ 28	Gravel Street	„ „	Mar. 23	Died. Pneumonia.
66	3	„ 28	„ „	„ „	May 15	Very severe.
67	13	„ 28	Maynard Street	„ „	Apr. 18	
68	4	Mar. 1	Sutherland Street	„ „	„ 18	
69	8	Feb. 28	St. James Road	„ „	„ 17	
70	14	Mar. 2	Mowbray Street	„ „	„ 17	
71	7	„ 3	Alexander Street	„ „	„ 17	
72	9	„ 8	„ „	„ „	„ 24	
73	4	„ 9	Emerald Street	„ „	Mar. 31	Died. Malignant.
74	2	„ 10	Kate Street	„ „	„ 27	
75	16	„ 11	Welford Street	„ „	Apr. 18	
76	3	„ 14	Gartree Street	„ „	Mar. 29	Died. Bronchitis.
77	7	„ 15	Mill Street	„ „	Apr. 27	
78	23	„ 15	High Cross Street	„ „	„ 22	
79	56	„ 18	Court K, Northgate St.	Erysipelas	May 8	
80	9	„ 20	Brown Street	Scarlet Fever	„ 8	
81	6	„ 21	Waring Street	„ „	„ 8	
82	4	„ 21	„ „	„ „	„ 8	
83	11	„ 21	Cedar Road	„ „	„ 8	

Date.	Age.	Date of Admis- sion.	Residence.	Disease.	Date of Dis- charge.	Observations.
84	5	Mar. 21	Little Holme Street	Scarlet Fever	May 22	
85	7	„ 22	Brierley Street	„ „	„ 8	
86	9	„ 27	Cedar Road	„ „	„ 8	
87	6	„ 29	Little Holme Street	„ „	„ 15	
88	3	„ 29	„ „ „	„ „	„ 15	{ Rash profuse and dark coloured.
89	3	„ 30	Narborough Road	„ „	„ 15	Dark Rash.
90	7	April 2	Rutland Street	„ „	„ 22	
91	5	„ 5	Court A, Woodboy St.	„ „	„ 15	
92	8	„ 5	Charnwood Street	„ „	„ 22	
93	4	„ 12	Catesby Street	„ „	„ 29	
94	3	„ 12	Waring Street	„ „	June 5	Very severe.
95	5	„ 12	„ „	„ „	„ 19	Very severe.
96	4	„ 14	Asylum Street	„ „	May 4	Died. Albuminuria.
97	3	„ 14	The Infirmary	„ „	June 19	{ This patient was also suffering upon ad- mission from Frac- ture of the Thigh.
98	10	„ 19	Kate Terrace	„ „	„ 19	
99	16	„ 19	Buckingham Street	„ „	„ 19	
100	4	„ 19	Curzon Street	„ „	„ 30	
101	2	„ 21	Craven Street	„ „	„ 19	
102	2½	„ 22	Infirmary	„ „	„ 19	{ This patient was under treatment in the In- firmary for Fracture.
103	3	„ 22	„	„ „	May 22	
104	1½	„ 24	Kate Terrace	„ „	June 5	
105	5	May 4	Belper Street	„ „	„ 26	
106	7	„ 6	New Park Street	„ „	May 8	{ Died. Comatose from time of admission.
107	6	„ 7	Curzon Street	„ „	June 18	Rash dark in colour.
108	9	Mar. 28	Brown Street	„ „	May 8	
109	16	Apr. 10	Infirmary	„ „	„ 29	Very severe case.
110	4	„ 20	Curzon Street	„ „	June 26	
111	10	„ 16	New Park Street	„ „	„ 5	

No.	Age.	Date of Admission.	Residence.	Disease.	Date of Discharge.	Observations.
112	34	May 8	Craddock Street	Erysipelas	June 2	
113	4	Apr. 17	Catesby Street	„	May 29	
114	18	May 15	Argyle Street	„	June 5	
115	50	„ 21	Cyprus Cottages	„	„ 5	
116	7	„ 22	Hampton Street	Scarlet Fever	July 3	Malignant.
117	9	„ 22	Upper Conduit Street	„ „	„ 10	
118	14	„ 27	Clarence Street	„ „	„ 10	
119	8	„ 27	Great Holme Street	„ „	„ 24	Severe.
120	10	„ 27	New Park Street	„ „	June 15	Died. Haematuria, &c.
121	28	„ 28	Elm Street	„ „	July 10	
122	4	„ 29	„ „	„ „	„ 10	
123	2	June 1	„ „	„ „	„ 10	
124	4	„ 3	Hill Street	„ „	„ 17	
125	11 Mos.	„ 3	Catesby Street	„ „	June 4	Died. Malignant case.
126	4	„ 3	Short Street	„ „	Aug. 7	Rash profuse.
127	18	„ 4	„ „	„ „	June 16	Died. Very severe case.
128	5	„ 4	Crafton Street	„ „	July 17	
129	3	„ 5	Swaffham Street	„ „	„ 27	
130	4	„ 7	Birstall Street	„ „	„ 24	
131	3	„ 9	Elm Street	„ „	„ 27	
132	7	„ 9	Short Street	„ „	„ 31	Malignant.
133	5	„ 9	Elm Street	„ „	„ 27	
134	4	„ 10	George Street	„ „	„ 10	
135	5	„ 10	Stanton	„ „	„ 17	
136	23	May 22	Dorset Street	„ „	June 9	
137	57	June 6	Crown Street	Erysipelas	„ 26	
138	23	„ 12	Norfolk Street	Scarlet Fever	July 27	{ Rash dark coloured and profuse.
139	6	„ 16	Samuel Street	„ „	„ 31	
140	28	„ 17	Brierley Street	„ „	„ 31	

No.	Age.	Date of Admission.	Residence.	Disease.	Date of Discharge.	Observations.
141	4	June 17	Brierley Street	Scarlet Fever	July 31	
142	10	„ 17	New Park Street	„ „	June 5	
143	55	„ 26	Pike Street	Erysipelas	July 27	
144	25	„ 28	Liggins Street	„	„ 10	
145	6	„ 29	Havelock Street	Scarlet Fever	Sept. 4	Livid Rash.
146	8	July 5	Littleton Street	„ „	Aug. 14	
147	12	„ 6	New Bridge Street	„ „	Sept. 19	Very severe.
148	13	„ 6	Buckingham Street	„ „	Aug. 21	
149	10	„ 9	New Bridge Street	„ „	Sept. 2	Severe.
150	5	„ 9	„ „ „	„ „	July 18	Died. Severe. Dropsy.
151	7	„ 10	„ „ „	„ „	Sept. 2	
152	8	„ 10	„ „ „	„ „	July 27	Died. Malignant.
153	58	„ 10	Clipstone Street	Erysipelas	Nov. 6	Very severe.
154	24	„ 13	Mount Street	Scarlet Fever	Aug. 14	
155	2½	„ 13	„ „	„ „	„ 14	
156	48	„ 15	Ash Street	Erysipelas	July 24	
157	9	„ 16	New Park Street	Scarlet Fever	Sept. 2	
158	4	„ 21	Sheldon Street	„ „	„ 11	
159	7	„ 23	Edwyn Street	„ „	„ 11	
160	2	„ 21	Willow Street	„ „	July 31	
161	5	„ 24	Brierley Street	„ „	Sept. 4	
162	11	„ 26	Talbot Lane	„ „	„ 11	Livid and profuse Rash.
163	2	„ 27	Underhill Street	„ „	„ 4	
164	18	„ 27	London Road	„ „	Aug. 28	
165	7	Aug. 4	Crescent Street	„ „	Oct. 2	Severe.
166	30	„ 6	Alexander Street	Erysipelas	„ 16	{ Very severe. Much sloughing.
167	7	„ 7	Dun's Lane	Scarlet Fever	„ 2	Very severe.
168	5	„ 11	Friars Causeway	„ „	„ 2	
169	5	„ 12	Curzon Street	„ „	Sept. 28	

No.	Age.	Date of Admis- sion.	Residence.	Disease.	Date of Dis- charge.	Observations.
170	3	Aug. 14	Grange Lane	Scarlet Fever	Oct. 9	Very severe.
171	17	„ 16	Princess Road	„ „	Sept. 11	
172	4½	„ 17	West Street	„ „	„ 11	
173	4	„ 19	Medway Street	„ „	„ 4	Died. Malignant.
174	3	„ 20	Curzon Street	„ „	Oct. 2	
175	15	„ 23	Edwyn Street	„ „	„ 9	
176	7	„ 24	Curzon Street	„ „	„ 12	
177	5	„ 25	Carlisle Street	„ „	„ 6	{ Died. Uraemic Con- vulsions.
178	3½	„ 28	Fuller Street	„ „	Sept. 14	Died. Dropsy.
179	6	„ 30	Navigation Street	„ „	Oct. 9	
180	6	„ 31	Parliament Street	„ „	Sept. 3	Died. Malignant.
181	30	Sept. 3	Bedford Street	Erysipelas	„ 17	
182	53	„ 6	Brook Street	„	Oct. 1	
183	14	„ 8	Infirmery	„	„ 8	
184	56	„ 8	Bowling Green Street	„	Nov. 13	Very severe case.
185	8	„ 13	Court M, Oxford St.	Scarlet Fever	Oct. 26	
186	18	„ 15	Princess Road	„ „	Nov. 6	
187	18	„ 15	Chatham Street	Erysipelas	Oct. 8	
188	7	„ 15	Mowbray Street	Scarlet Fever	Nov. 20	{ Rash purple coloured, and throat much affected.
189	25	„ 18	De Montfort Square	„ „	Oct. 23	
190	54	„ 20	Mansfield Street	Erysipelas	Nov. 13	Severe.
191	7	„ 21	Maxfield Street	Scarlet Fever	„ 6	
192	8	„ 23	New Bridge Street	„ „	„ 6	
193	4	„ 23	„ „ „	„ „	„ 6	
194	22	„ 23	Mowbray Street	Typhoid Fever	„ 9	Very severe case.
195	12	„ 25	Waterloo Street	„ „	Oct. 6	{ Died. Perforation of Bowel and collapse.
196	5	„ 25	„ „	„ „	„ 9	
197	8	„ 28	Court M, Oxford St.	Scarlet Fever	Nov. 9	Very severe.
198	20	„ 28	Havelock Street	Erysipelas	Oct. 9	

No.	Age.	Date of Admis- sion.	Residence.	Disease.	Date of Dis- charge.	Observations.
199	4	Sept. 28	Court M, Oxford St.	Scarlet Fever	Nov. 13	Very severe.
200	7	„ 30	Court L, Oxford Street	„ „	Oct. 15	Died. Malignant.
201	88	Oct. 1	Union	Erysipelas	„ 8	
202	8	„ 4	Christ Church Row	Scarlet Fever	Nov. 20	Malignant.
203	8	„ 6	Syston Street	Erysipelas	Oct. 15	
204	2	„ 10	East Street	Scarlet Fever	Nov. 6	
205	6	„ 13	Friars Causeway	„ „	Oct. 15	Died. Malignant.
206	2½	„ 13	„ „	„ „	„ 20	} Died. Suppression of { Urine, &c.
207	27	„ 14	Infirmery	„ „	Nov. 29	
208	9	„ 14	Calais Street	„ „	„ 25	
209	3	„ 18	Court H, Wellington St	„ „	„ 20	Very severe.
210	5	„ 20	Wheat Street	„ „	„ 11	Died. Very severe case.
211	7	„ 23	Conduit Street	„ „	„ 20	
212	3	„ 24	Gopsall Street	„ „	Dec. 18	
213	12	„ 24	Upper Conduit Street	„ „	„ 11	
214	50	„ 26	Union	Erysipelas	Nov. 8	
215	28	„ 26	Britannia Street	Scarlet Fever	„ 8	
216	30	„ 28	Gordon Street	Erysipelas	„ 13	
217	7	„ 28	Abbey Street	Scarlet Fever	Jan. 5	Very severe.
218	11	„ 28	Ash Street	„ „	Nov. 3	Died. Malignant.
219	5	„ 30	Garton Street	„ „	Dec. 14	Severe.
220	4	Nov. 2	Albert Terrace	„ „	„ 14	Very severe.
221	3	„ 2	St. Saviour's Road	„ „	„ 14	Albuminuria.
222	14	„ 5	Ash Street	„ „	„ 18	
223	6	„ 6	St. Saviour's Road	„ „	„ 30	
224	16	„ 7	Burley's Lane	Erysipelas	Nov. 20	
225	11	„ 8	St. Saviour's Road	Scarlet Fever	Dec. 14	
226	6	„ 9	Ash Street	„ „	„ 18	
227	22	„ 9	Welford Road	Erysipelas	Nov. 16	

No.	Age.	Date of Admission.	Residence.	Disease.	Date of Discharge.	Observations.
228	3	Nov. 10	Mursell Street	Scarlet Fever	Nov. 22	Died. Malignant.
229	5	„ 11	Roper's Cottages	„ „	Dec. 14	
230	11	„ 12	Guthlaxton Street	„ „	„ 14	
231	9	„ 14	Charnwood Street	„ „		{ Died. On day of admission, from Coma.
232	12	„ 14	Clipstone Street	„ „	„ 20	
233	5	„ 16	Buckingham Street	„ „	„ 30	
234	8	„ 16	Edwyn Street	„ „	Jan. 8	
235	4	„ 17	Lonsdale Street	„ „	Dec. 14	
236	2	„ 17	„ „	„ „	„ 14	
237	30	„ 17	Gordon Street	Erysipelas	Nov. 27	
238	6	„ 18	Lonsdale Street	Scarlet Fever	Jan. 5	Very severe.
239	22	„ 18	Syston Street	Erysipelas	Nov. 25	
240	63	„ 19	„ „	„ „	„ 25	
241	9	„ 20	Stoughton Street	Scarlet Fever	Jan. 15	
242	7	„ 20	„ „	„ „	„ 15	
243	4	„ 20	„ „	„ „	„ 15	
244	2	„ 20	„ „	„ „	„ 15	
245	26	„ 24	Court C, Oxford Street	Erysipelas	Nov. 30	
246	10	„ 25	Grundon Street	Scarlet Fever	Jan. 8	
247	5	„ 25	Cardinal Street	„ „	„ 8	Malignant.
248	22	„ 27	Belgrave Gate	Erysipelas	Dec. 8	
249	5	„ 27	Colton Street	Scarlet Fever	Jan. 8	
250	5	„ 29	Sherrard Street	„ „	Dec. 4	{ Died. Throat much affected.
251	5	Dec. 4	Gordon Street	„ „	„ 13	Died. Very severe.
252	60	„ 4	Infirmery	Erysipelas	Jan. 5	
253	9	„ 4	Frank Street	Scarlet Fever	„ 15	
254	7	„ 6	Clipstone Street	„ „	„ 15	Malignant case.
255	8	„ 6	Twycross Street	Erysipelas	Dec. 11	
256	4	„ 7	Chestnut Street	Scarlet Fever	Jan. 15	

No.	Age.	Date of Admis- sion.	Residence.	Disease.	Date of Dis- charge.	Observations.
257	6	Dec. 7	Chesnut Street	Scarlet Fever	Jan. 15	
258	8	„ 7	Buckingham Street	„ „	„ 29	
259	3	„ 7	„ „	„ „	„ 29	
260	12	„ 8	Porter Street		„ 22	
261	36	„ 9	Flint Street	Erysipelas	„ 15	
262	60	„ 10	Grove Street	„	Dec. 18	
263	8	„ 10	Gordon Street	Scarlet Fever	Jan. 22	
264	4	„ 11	Clipstone Street	„ „		} Died. Rash purple coloured and profuse. Urine very scanty. Severe.
265	28	„ 11	Gartree Street	„ „	Jan. 15	
266	13	„ 12	Knighton Street	Typhoid Fever	Jan. 10	} Died. Pneumonia, &c. Sent in as Scarlet Fever.
267	11	„ 12	„ „	„ „	„ 15	
268	6	„ 15	Twycross Street	Scarlet Fever	„ 22	
269	7	„ 15	Porter Street	Erysipelas	„ 15	
270	14	„ 17	Bow Street	Scarlet Fever		
271	10	„ 20	„ „	„ „		
272	41	„ 21	Arnold Street	Erysipelas	Jan. 15	
273	27	„ 22	Northumberland Yard	„	„ 29	
274	18	„ 22	St. Martin's	Scarlet Fever	„ 29	
275	2½	„ 22	Medway Street	„ „	Dec. 29	Died. Malignant.
276	18	„ 27	Crescent Street	„ „		
277	5	„ 27	„ „	„ „		
278	16	„ 27	Arthur Street	„ „		
279	2¼	„ 28	Garton Street	„ „	Jan. 4	Died. Dropsy.
280	3½	„ 28	„ „	„ „		
281	6	„ 30	Denman Street	„ „		
282	3	„ 30	Crescent Street	„ „	„ 7	} Died. Septic Blood- poisoning.
283	7	„ 31	Gordon Street	„ „		

SCARLET FEVER.

Last year Scarlet Fever caused 119 deaths; of these, 92 occurred in the town, and 27 in the Borough Fever Hospital. The scarlatinal deaths in 1879 were 105, and the annual average number in the 10 preceding years was 100. The annual rate of mortality was equal to 0·99 per 1,000 living.

The fatal cases of the disease were distributed over the quarterly intervals of the year in the following manner: 29 occurred in the first quarter, 21 in the second, 24 in the third, and 45 in the fourth. The number of certificates of the disease received during the year from the medical men was 792, and these were distributed over the quarters as follows: 222 were sent in during the first quarter, 155 in the second, 161 in the third, and 254 in the fourth. On looking back to the returns in 1879, I find that the scarlatinal deaths registered in the last quarter of that year were 57, and the number of certificates received (representing scarlatinal prevalence) in the same interval, was 382. A comparison of these figures with those just given for 1880 shows that the Health Authorities of the town, acting on the early information they received of any fresh *foci* of the disease, succeeded largely in limiting its spread. Further evidence of this limitation may be gleaned from the following table which, forming a sequel to a similar one given in my Report for 1879, supplies comparative information with respect to the fatality caused by the epidemic of 1876 and that of last year. From the table we observe that the deaths in 1880 were fewer by 61 than in 1876. So marked a decline in mortality, notwithstanding the great increase in population, must be regarded as eminently satisfactory. It is also gratifying to observe the increase in the Hospital admissions last year over the number admitted in 1876, for the reduction in the deaths in 1880 was no doubt owing to the fact of more

parents having availed themselves of the means thus provided for the isolation of their infected children.

Compared with the returns from other towns (Table VI.), it will be seen that whereas the number of deaths registered in Leicester during 1876 exceeded the average mortality in 18 towns, the deaths in 1879 and '80 were in both years considerably below the average for the same towns. The evidence here brought forward of the reduction in scarlatinal mortality is, to my mind, indisputable, and should satisfy those who have hitherto regarded as doubtful the advantages arising to the town from the compulsory notification of infectious diseases. I must confess, however, that the diminution in the deaths last year was not so marked as might reasonably have been expected from the greater number of admissions of scarlatinal patients into the Hospital. I will now endeavour to explain why the disease maintained itself so persistently among the population.

If we refer back to the quarterly distribution of the deaths from Scarlet Fever and note the fluctuations in its prevalence (as indicated by the number of certified cases), we find that, after being confined within greatly reduced limits during the first nine months of the year, the disease gained extensively in spread, and proved more fatal in the remaining three months of the year.

I am firmly convinced that the decided increase of scarlatinal prevalence and fatality which took place in the closing months of the year under notice was mainly due to the attendances at school of children from houses where the infection had entered. The Sanitary Inspectors on first visiting the houses in which Scarlet Fever was reported, frequently met with instances where the children, apparently healthy or convalescent from the disease, were attending a Board or Denominational school. The number of such attendances multiplied considerably in the last quarter of the year, which was no doubt owing to the fact that most of the school examinations were held about this time, and parents became anxious for their children to pass the required "standards," knowing that if they were prevented through illness or other cause from doing so, it would necessitate their remaining

TABLE V.

TABLE COMPARING THE WEEKLY DEATHS FROM SCARLET FEVER IN THE YEARS 1876 AND 1880, WITH THE WEEKLY ADMISSIONS INTO THE HOSPITAL DURING THESE YEARS.

		Number of Weeks.																											
		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	Deaths.	
Deaths in 1876	...	4	5	...	3	2	1	1	3	3	1	1	5	1	...	2	4	6	3	4	1	2	5	2	...	1	2	62	
Deaths in 1880	...	5	3	...	8	3	2	1	1	2	1	1	...	2	3	2	4	2	3	1	2	2	1	3	1	2	...	55	
Hospital Admissions, 1876	...	2	...	2	3	1	2	...	...	...	1	...	...	...	...	...	...	...	...	2	3	2	...	...	2	...	1	Admissions. 21	
Hospital Admissions, 1880	...	4	6	4	10	1	5	5	7	8	4	3	6	5	3	6	8	1	2	1	...	7	6	9	5	...	2	127	
		Number of Weeks.																											
		27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	Total Deaths.	
Deaths in 1876	...	5	2	3	...	2	1	5	3	5	4	5	4	4	1	4	9	5	5	7	10	7	7	7	3	4	6	180	
Deaths in 1880	...	...	1	2	1	2	...	3	6	1	2	1	...	1	3	2	3	5	5	3	4	3	4	5	2	3	2	119	
Hospital Admissions, 1876	...	2	3	...	2	2	1	3	6	1	3	2	1	2	4	2	2	1	3	...	1	2	1	...	2	...	2	Total Admissions. 69	
Hospital Admissions, 1880	...	3	6	3	5	1	3	4	4	3	...	3	4	3	1	5	2	6	3	6	8	6	2	8	4	4	6	230	

TABLE VI.

DEATHS FROM SCARLET FEVER IN 18 LARGE TOWNS.

Boroughs.	1874.	1875.	1876.	1877.	1878.	1879.	1880.
Portsmouth	35	47	447	39	16	11	8
Norwich	2	34	59	80	11	32	188
Plymouth	9	14	14	48	37	14	4
Bristol	22	457	284	45	36	90	239
Wolverhampton	34	26	59	224	40	17	42
Birmingham	741	271	204	234	993	311	122
Leicester	18	175	180	33	12	105	119
Nottingham	49	159	74	19	73	180	134
Liverpool	1911	468	251	225	947	742	465
Manchester	495	325	343	366	346	336	327
Salford	156	251	178	119	185	203	279
Oldham	72	68	110	56	238	138	126
Bradford	288	459	143	106	156	181	189
Leeds	664	231	320	151	253	281	126
Sheffield	672	312	278	209	724	356	269
Hull	184	279	58	31	20	78	61
Sunderland	136	60	134	134	185	246	295
Newcastle	258	76	69	69	222	282	135
Average	319	206	176	121	249	199	173

for another year in the same grade. I have been informed that those children who are prevented through illness from attending the examinations are allowed, upon their return to school, a special examination by the district Inspector. It may be so; but for such a provision to be of any service in restraining parents from sending their convalescent children to school, more publicity should be given to it than has been done; for, upon enquiry, I found that neither the parents, nor some of the head teachers themselves, were aware that an examination was accorded

under such circumstances. No one more highly values than I do the advantages which children of the working classes derive from a sound primary education ; but I cannot shut my eyes to the fact that the acquirement of it, under the present conditions, is attended with no inconsiderable danger to life. It is easy to understand that the attendance at school of children coming from homes where scarlet fever exists, with the contagion sprinkled over their clothes, or "peeling" from their bodies, frustrates in great measure the precautionary efforts put forth to limit the spread of the disease ; for, while the officers of the Health Authority are busily engaged over isolation and house disinfection, fresh germs are being sown broadcast in schools.

Anxious to limit, as far as possible, the spread of infection which these attendances from infected houses gave rise to, the Sanitary Committee, through their officers, at once apprised the School Authorities of the fresh instances that came to their knowledge. Toward the close of the year, the Committee also caused two notices to be printed for delivery to school masters. The following is a copy of the first notice, which is printed on *red* paper.

I beg to inform you that a Child named
residing at Street, is suffering from Scarlet Fever,
and therefore children from this house should not be permitted to attend
School until a notice is received from either the Medical Gentleman attend-
ing the case, or myself, that the house is free from infection.

....., *Sanitary Inspector.*

In every fresh case of scarlet fever reported on the above notice is sent by post to the master of the school where the children have been attending. The second notice, printed on ordinary *white* paper, contains the following :

I beg to inform you that the house, Street,
is now free from infection, and the children may be again permitted to
attend School with safety., *Sanitary Inspector.*

When the case of scarlatina has completely recovered, and the house has been thoroughly disinfected by fumigation, the second notice is forwarded to the school teacher.

There can be no doubt but that these notices, if full cognisance be taken of them by the masters of the schools, will exercise a very beneficial effect in limiting the further spread of the disease.

DIARRHŒA.

During 1880, the fatality in Leicester from diarrhœa was unprecedented, the disease having caused no fewer than 398 deaths. This number exceeded that recorded in 1879 by 310, and showed an increase of 142 upon the average for the ten preceding years. The annual rate of mortality was equal to 3·31 per 1,000, living. The diarrhœal death-rate for last summer quarter was considerably higher than in any of the three factory towns given below and, comparing the mortality in the 20 large towns, it will be found that during the past eleven years the rate of diarrhœal mortality in Leicester was, on nine occasions, the highest given in the list, while the average annual rate for the eleven years considerably exceeded that of any other of the towns.

ANNUAL DEATH RATE, PER 1000 LIVING, FROM DIARRHŒA, IN THE THIRD OR SUMMER QUARTER OF THE YEAR 1880 IN 4 LARGE ENGLISH TOWNS.

Nottingham.	Salford.	Leicester.	Oldham.
5·3	8·4	11·5	3·3

Since diarrhœa prevails in an epidemic form only in the third quarter of the year, my remarks, in further speaking of the disease, must be taken as applying solely to this quarterly interval.

A close and careful study of the circumstances connected with the unusually fatal epidemic of last year has served only to strengthen me in my previous conviction as to the immediate cause of the disease. As I have fully dealt with the question of causation in my previous Reports, it is not my intention to enter at any length into further discussion on the question. It will be sufficient if I bring under notice some additional information with respect to the disease that was gleaned during the period of its prevalence last summer.

Past local experiences of the disease have taught sanitary officers to regard it as a rule that diarrhoeal fatality in the summer months is proportionate to the degrees of heat and atmospheric dryness experienced. The epidemic in 1880 proved an exception to this rule; for, on carefully comparing the weather conditions in the summer of that year with similar returns for 1876 and 1878, it will appear that with lower temperatures and higher degrees of atmospheric humidity, the diarrhoeal deaths in 1880 were much more numerous than in either of the years referred to. (Tables VII., VIII., IX.)

Many infantile cases of the disease which came under my own immediate notice were also suffering from difficulty of breathing, and presented symptoms simulating bronchitis.

Impressed with the good results that had followed the free distribution of Diarrhoea "Mixture" in 1879, the Sanitary Committee determined on following the same plan in 1880. With the view of obtaining as much information as possible about the cases that should apply for the medicine, books were provided for recording the address, exact age, and occupation of every one for whom medicine was supplied, and a special inquiry was also to be made of each applicant as to whether there was more than one member of the family suffering from the disease. The free distribution of mixture began on July 31st (up to which time there was no marked prevalence of the complaint) and ended on September 29th. During this period of time the cases of diarrhoeal sickness for whom mixture was supplied numbered 8,284, and an analysis of their ages is given in the annexed sheet. It is well known that the deaths from diarrhoea occur almost wholly among children under two years of age, and Health Officers, with but few exceptions, confining their attention to the *ages at death*, have considered summer diarrhoea to be a disease of childhood and still more of infancy (*vide* Registrar-General's Third Quarterly Return for 1880).

TABLE VII.

DIARRHOEAL DEATHS WITH METEOROLOGICAL MEANS FOR EACH WEEK IN THE THIRD QUARTER OF 1876.

Months	JULY.				AUGUST.				SEPTEMBER.				
	27th	28th	29th	30th	31st	32nd	33rd	34th	35th	36th	37th	38th	39th
Week of the Year .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..
Mean Maximum Temperature	72.2	73.9	79.6	71.8	68.5	76.3	82.6	65.9	62.0	63.7	58.2	65.9	60.0
Mean Minimum Temperature	56.5	52.9	56.5	54.6	51.1	52.7	59.2	47.8	50.0	50.7	45.6	49.1	50.7
Mean Temperature	64.3	63.4	68.1	63.2	59.8	64.5	70.9	56.8	56.0	57.2	51.9	57.5	55.4
Humidity of Air	78.3	64.0	65.6	65.7	63.9	70.6	69.2	80.3	83.4	78.3	81.1	86.7	91.4
Rainfall in inches	0.30	0.3	..	0.27	0.50	0.03	0.58	0.15	0.97	1.00	0.15	1.74	2.25
Number of Rainy Days	3	1	..	4	3	1	2	2	6	6	3	4	7
Diarrhoeal Deaths	1	8	8	21	30	33	39	45	27	13	5	5	3

TABLE VIII.

DIARRHOEAL DEATHS WITH METEOROLOGICAL MEANS FOR EACH WEEK IN THE THIRD QUARTER OF 1878.

Months	JULY.				AUGUST.				SEPTEMBER.				
	27th	28th	29th	30th	31st	32nd	33rd	34th	35th	36th	37th	38th	39th
Week of the Year .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..
Mean Maximum Temperature ..	66.1	66.2	76.6	71.0	68.4	73.0	68.3	68.0	66.8	67.9	63.5	60.4	59.4
Mean Minimum Temperature ..	52.6	51.9	55.2	56.4	52.6	56.8	54.5	52.5	55.1	53.5	48.9	46.2	43.8
Mean Temperature	59.3	59.0	65.9	63.7	60.5	64.9	61.4	60.2	60.9	60.7	56.2	53.3	51.6
Humidity of Air	72.6	78.0	71.4	81.6	82.4	80.2	81.3	83.3	85.6	86.6	86.7	81.3	87.7
Rainfall in inches	0.20	..	..	1.85	2.13	1.62	1.28	1.35	0.38	0.45	0.16	0.30	0.67
Number of Rainy Days	4	..	..	5	2	6	6	4	4	1	2	4	5
Diarrhoeal Deaths	20	28	26	31	47	23	25	24	11	3	7	6	4

TABLE IX.

DIARRHOEAL DEATHS WITH METEOROLOGICAL MEANS FOR EACH WEEK IN THE THIRD QUARTER OF 1880.

Months	JULY.				AUGUST.				SEPTEMBER.				
	27th	28th	29th	30th	31st	32nd	33rd	34th	35th	36th	37th	38th	39th
Week of the Year .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..
Mean Maximum Temperature ..	63.7	67.9	67.0	67.2	67.7	74.2	63.7	68.8	73.9	69.0	62.3	62.3	63.7
Mean Minimum Temperature ..	51.6	53.5	55.2	54.0	52.6	54.6	56.4	55.2	58.7	51.9	50.9	49.9	50.3
Mean Temperature	57.6	60.7	62.6	60.7	60.1	64.7	60.1	62.0	66.3	60.5	56.6	56.1	57.0
Humidity of Air	80	87	82	82	85	80	86	87	78	82	88	84	89
Rainfall in inches	1.37	2.74	0.66	1.65	1.53	0.01	0.02	..	0.11	0.15	4.89	0.17	0.13
Number of Rainy Days	5	6	4	6	7	1	1	..	2	2	7	4	4
Diarrhoeal Deaths	2	5	9	9	19	27	50	46	45	51	38	22	24

The annexed sheet, which contains a careful analysis of the ages of those affected with diarrhœa last summer and for whom Mixture was supplied, offers the strongest proof that the attacks of the disease were not confined to the periods of childhood and infancy alone, but extended to all ages of the population.

The return, given on page 38, which shows the number of persons suffering from diarrhœa *in the same house*, affords additional evidence that there was no limitation of sickness to the youngest alone, as in very many of the houses several members of the family, without regard to age, had almost simultaneously contracted the disease.

A sufficiently approximate estimate of the degree of diarrhœal prevalence among persons at different ages may be arrived at by comparing the numbers affected in the age periods with the numbers living at the corresponding ages. (*Vide* Table X.)

As the number of applications for "Mixture" represented only a portion of the actual prevalence, it follows that the proportions of seizures here given are too low, a circumstance which does not however prevent their use as indicators of the relative prevalence of the disease among persons at different groups of ages.

In conclusion I would again point out that the fatality from diarrhœa is misleading if taken as a measure of its prevalence, and any theory of causation primarily based upon the *deaths alone* must of necessity be fallacious. On the other hand, the rapid diffusion of the disease, together with the high degrees of prevalence it attained to among persons of every age, clearly point to the operation of *common* causes, the more immediate of which will be found, if I mistake not, to consist of fungoid impurities in the air derived from the putrefaction of animal refuse matter.

RETURN OF THE NUMBER OF HOUSES IN WHICH DIARRHŒA APPEARED,
WITH THE NUMBER OF INMATES AFFECTED IN EACH HOUSE.

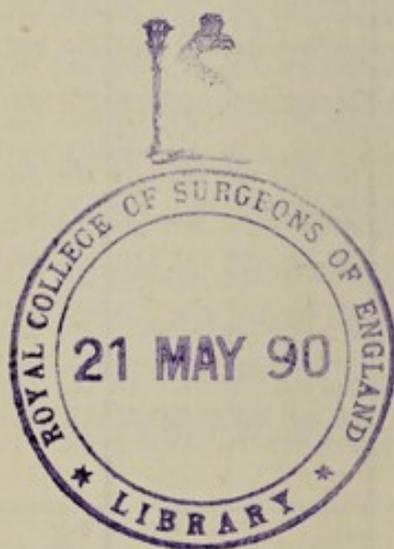
In 4,089 houses there was 1 case of Diarrhœal Sickness.

„ 1,258	„	there were 2 cases	„	„
„ 346	„	3	„	„
„ 101	„	4	„	„
„ 25	„	5	„	„
„ 11	„	6	„	„
„ 4	„	7	„	„
„ 2	„	9	„	„

TABLE X.

VARIATIONS IN DIARRHŒAL PREVALENCE AT
DIFFERENT AGES.

Ages in Years.	Estimated population 1880.	Cases of Diarrhœal Sickness.	Proportion. (Nearly.)
Under 1 year	3,948	486	1 in 8
1—2	3,303	761	1 in 4
2—3	3,103	763	1 in 4
3—4	2,979	553	1 in 5
4—5	2,875	411	1 in 7
5—10	13,509	1,076	1 in 13
10—15	12,340	645	1 in 20
15—20	12,655	397	1 in 32
20—25	11,563	368	1 in 31
25—35	18,338	796	1 in 23
35—45	13,775	899	1 in 15
45—55	10,224	515	1 in 20
55—65	6,835	352	1 in 20
65—75	3,634	187	1 in 20
75—85	1,117	70	1 in 16
85 & upwards	134	5	1 in 27



TYPHOID FEVER.

51 deaths were registered during the year from this cause. As five of these fatal cases occurred among Infirmary patients received from county districts, the actual number of deaths that took place among residents in the town, was 46. The deaths ascribed to fever in 1878 and '79 were 31 and 21 respectively, and the annual average for the four years 1876-'79 was equal to 29.

From these figures it will appear that the deaths caused by fever last year showed an increase of 58 per cent. on the average deaths for the four preceding years.

The following return shows the distribution of the deaths and the certified cases of the disease in the four quarters of the year.

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
Deaths from fever ...	5	3	12	26	46
Certified cases of fever	32	16	75	122	245

It will be observed from this return that the disease gained greater spread and increased in fatality during the third quarter of the year—the period when diarrhœa prevailed as an epidemic.

Due allowance being made for the longer incubative stage of typhoid fever, a close review of the weekly returns of certified cases of fever and of diarrhœal deaths shows that the specific poisons of both diseases became more widely diffused about the same interval of time.

In town districts, having a good water supply, the prevalence of diarrhœa and fever is similarly affected by the character of the summer season; thus, continued heat and prolonged drought at this period conduce to an increased prevalence of each disease, whereas a cold and moist summer is usually associated with a diminished prevalence of both these forms of disease. These similarities in the deportment of the two maladies justify the conclusion that, in town populations, the bulk of the poison of typhoid fever and of diarrhœa springs from a common source and is disseminated chiefly through the same medium, viz., air.

During the extensive floods of last year, many of the surface wells were polluted; and, although impure well water is considered to be a factor of less importance than foul air in the causation of fevers in large towns, still I feel satisfied that a considerable number of the cases of typhoid fever reported to the Health Authorities during the year resulted from the drinking of polluted well-water.

MORTALITY UNDER FIVE YEARS.

Of the total 2,969 deaths recorded last year, 1,727 were of children under five years of age. This number showed an increase of 367 and 361 upon the deaths under five years in 1878 and 1879 respectively, and was equal to 58·2 per cent. of the deaths at all ages.

TABLE XI.

DEATHS AND MORTALITY OF CHILDREN UNDER FIVE YEARS OF AGE, AND OF CHILDREN FROM ONE TO FIVE YEARS (1) FROM ALL CAUSES, AND (2) FROM THE NINETEEN ZYMOTIC DISEASES, WITH (3) THE ENGLISH LIFE TABLE RATES FOR THESE AGES.

Year.	Deaths under 5 years. (All causes).	Mortality per 1000 living.		Deaths from 1-5 years. (All causes).	Mortality per 1000 living.		Deaths under 5 years. (Zymotic causes.)	Deaths from 1-5 years. (Zymotic causes).
		Leicester.	Life Table		Leicester.	Life Table		
1878 ...	1360	...	...	389	...	...	442	140
1879 ...	1366	...	...	488	...	...	310	178
1880 ...	1727	106·5	65·7	657	53·6	36·7	690	355

The rate of mortality was 106·5 per 1,000 persons estimated to be living under five years, while the mortality for ages between one and five years was equal to 53·6. These death-rates were much higher than those of the two preceding years, and considerably exceeded the English Life Table-rates for similar ages. (Table XI.)

An examination in detail of the foregoing Table discloses the fact that the excessive death-rates for ages under five years were owing chiefly to an increase in the number of deaths registered from zymotic diseases, the most fatal of which were Measles, Scarlet Fever, and Diarrhœa (*vide* pages 14, 27, 32).

INFANT MORTALITY.

The 1,727 deaths under five years included 1,070 of children who had not completed the first year of existence. The proportion of deaths of infants to deaths at all ages was 36 per cent.

In the annexed Table are given the deaths of children under one year from eleven causes in 1880 and the four preceding years.

Years.	Measles.	Scarlet Fever.	Whooping Cough.	Dentition.	Diarrhœa.	Convulsions.	Lung Diseases.	Tubercular Diseases.	Atrophy.	Premature Birth.	Suffocation.	Total Deaths.
1876.....	13	11	17	8	223	103	104	38	241	98	6	862
1877.....	13	3	27	14	141	113	90	60	260	84	10	815
1878.....	6	1	27	5	255	116	108	54	216	75	13	876
1879.....	18	8	29	14	73	123	146	44	239	85	13	792
Average	12	6	25	10	173	114	112	49	239	86	10	836
1880.....	33	4	13	10	275	108	117	40	271	94	12	977

TABLE XIII.
QUARTERLY DEATHS OF INFANTS, 1876-'80.

Years.		Measles.	Scarlet Fever.	Whooping Cough.	Dentition.	Diarrhoea.	Convulsions.	Lung Diseases.	Tubercular Diseases.	Atrophy.	Premature Birth.	Suffocation.	Total Deaths.
1st Quarter.	1876.....	2	1	5	2	7	31	19	7	35	33	1	145
	1877.....	9	2	7	3	1	44	30	6	52	24	4	182
	1878.....	2	0	12	0	1	36	36	6	48	14	4	159
	1879.....	9	0	6	5	5	36	46	10	42	19	7	186
Averages.....		6	1	8	2	4	37	33	7	44	23	4	167
1880.....		13	1	6	2	8	32	35	6	59	19	6	187
2nd Quarter.	1876.....	2	1	4	1	4	22	30	8	55	25	4	156
	1877.....	3	0	7	5	1	32	28	14	64	17	3	174
	1878.....	2	0	5	3	11	30	33	14	43	13	3	157
	1879.....	7	0	10	5	4	40	43	11	54	24	4	202
Averages.....		3	0	7	4	5	31	34	12	54	20	3	172
1880.....		3	1	3	1	11	25	18	6	48	33	3	152
3rd Quarter.	1876.....	4	4	5	3	205	19	19	15	93	20	0	387
	1877.....	0	1	8	5	132	19	11	29	92	21	2	320
	1878.....	1	0	3	2	230	22	11	26	89	28	1	413
	1879.....	1	1	8	2	54	24	16	12	66	28	0	212
Averages.....		1	1	6	3	155	21	14	21	85	24	1	333
1880.....		13	0	3	4	244	17	16	23	97	16	0	433
4th Quarter.	1876.....	5	5	3	2	7	31	36	8	58	20	1	176
	1877.....	1	0	5	1	7	18	21	11	52	22	1	139
	1878.....	1	1	7	0	13	28	28	8	36	20	5	147
	1879.....	1	7	5	2	10	23	41	11	77	14	2	193
Averages.....		2	3	5	1	9	25	32	10	56	19	2	164
1880.....		4	2	1	3	12	34	48	5	67	26	3	205

Comparing the deaths in last year from each cause with the average for the four previous years (*vide* Table XII.), a higher fatality is observed to have taken place from Measles, Diarrhœa, Lung Diseases, Atrophy, Premature Birth, and Suffocation; but the increase was specially marked only in the returns from three of these causes, viz., Measles, Diarrhœa, and Atrophy.

The Table on page 42, showing the *quarterly* returns of deaths from the eleven causes, supplies information as to the manner in which the deaths were distributed over the year.

TABLE XIV.

DEATHS OF CHILDREN UNDER ONE YEAR OF AGE TO 1000 BIRTHS
IN THE 20 LARGE TOWNS, 1872-79.

TOWNS.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	Average. 8 years.	1880.
London	159	159	155	162	157	146	164	147	156	159
Brighton	166	139	143	177	153	150	176	129	154	160
Portsmouth	146	139	151	133	142	133	150	112	138	147
Norwich	210	159	177	210	176	154	211	159	182	215
Plymouth	149	154	173	155	156	159	193	135	159	188
Bristol	151	157	153	166	153	154	160	145	154	147
Wolverhampton ...	176	175	169	161	176	146	173	148	165	165
Birmingham	166	180	180	196	160	163	174	151	171	174
Leicester	228	213	215	245	200	189	203	187	210	220
Nottingham	207	172	195	199	172	169	170	162	180	202
Liverpool	222	213	233	210	208	188	193	162	203	191
Manchester	191	198	197	184	180	161	175	165	181	180
Salford	173	185	189	178	189	161	185	169	178	200
Oldham	178	169	190	177	174	161	174	157	172	180
Bradford	197	206	189	200	174	155	177	149	180	175
Leeds	212	192	200	197	180	165	188	160	186	175
Sheffield	185	180	188	176	169	145	176	152	171	165
Hull... ..	204	174	172	191	162	161	184	134	172	197
Sunderland	177	163	166	169	152	143	184	133	160	172
Newcastle	177	186	198	187	167	151	161	145	171	171

From Table XIII. it will be seen that the fatality among infants during the third quarter was more than double that in any other of the quarterly periods, and this excessive increase was mainly due to the more numerous deaths from Diarrhoea and Atrophy. The infant mortality, measured by the proportion of deaths under one year to births registered was, for the year under notice, excessively high, and stood at 220 per 1,000. The infant death-rates in the two preceding years 1878 and 1879 were 203 and 187 respectively, while the average rate for the eight years 1872-'79 was equal to 210. Compared with the 20 large towns, the infant death-rate of Leicester for last year was again the highest in the list. (Table XIV.)

TABLE XV.

MORTALITY OF CHILDREN UNDER ONE YEAR OF AGE FROM DIFFERENT CAUSES IN SIX FACTORY TOWNS, 1873—78.

BOROUGHES.	Measles.	Scarlet Fever.	Whooping Cough.	Dentition.	Diarrhoea.	Convulsions.	Lung Diseases.	Tubercular Diseases.	Atrophy.	Premature Birth.	Suffocation.
Oldham	3·3	1·9	6·8	3·8	14·6	28·3	36·0	10·9	27·1	14·0	·5
Norwich	·9	·5	8·4	2·3	28·6	19·4	21·9	9·3	55·2	10·9	...
Salford	5·4	1·6	5·4	2·4	28·4	24·3	30·2	10·0	31·6	10·6	·7
Nottingham	2·8	1·8	5·3	3·8	29·8	28·7	27·4	14·7	43·4	16·5	1·0
Leeds	2·2	1·9	6·1	3·2	28·6	23·9	31·7	9·7	30·0	16·5	1·2
Manchester	2·7	1·6	6·5	2·8	24·9	25·2	29·9	6·4	30·7	11·4	·8
Average Rates for the } Six Towns, 1873-78 }	2·9	1·6	6·4	2·1	25·8	25·0	29·5	10·2	36·3	13·3	0·9
Leicester (1873-78) ...	2·5	1·0	5·5	3·0	49·0	27·4	22·9	11·0	50·5	17·4	1·2
Leicester (1879) ..	3·8	1·7	6·2	3·0	15·5	26·2	31·1	9·3	50·9	18·1	2·7
Leicester (1880)...	6·8	0·8	2·7	2·0	56·6	22·2	24·1	8·2	55·8	19·3	2·5

The staple trades in Oldham, Norwich, Salford, Nottingham, Leeds, and Manchester, give factory employment to a considerable proportion of women and mothers, and with a view of ascertaining the causes which so persistently give rise to a higher fatality amongst infants in Leicester than in other factory towns, I have determined for a period of six years (1873-'78) the average rate of mortality in the six above-mentioned towns from each of the eleven causes already noticed. Taking this average rate as a standard with which to compare the average rate of Leicester, it will be observed that the mortality in the latter town showed an excess from the following causes: Diarrhœa, Convulsions, Tubercular Disease, Atrophy, Premature Birth, and Suffocation. Having thus found the more fatal causes in Leicester for the six years 1873-'78, their respective values as factors may at once be estimated from the amount of excess which the average rate of each disease presented when compared with the standard for the factory towns. The following are the amounts of excess for each cause:—

Diarrhœa.	Convulsions.	Tuber. Dis.	Atrophy.	Premature Birth.	Suffocation.
23·2	2·4	0·8	14·2	4·1	0·3

It will be seen from the above that Diarrhœa, Atrophy, and Premature Birth were the most important of the diseases which brought the town into such prominence for infant mortality. If the average rate for the factory towns be again applied to measure the infant death-rates of Leicester in 1880, it will be found from the annexed statement that the Leicester rates most conspicuous by their excess over the standard belonged to the three diseases before mentioned. The excess of infant mortality in Leicester in 1880 over the average mortality in factory towns was as follows:—

Measles.	Diarrhœa.	Atrophy.	Premature Birth.	Suffocation.
3·9	30·8	19·5	6·0	1·6

From the quarterly return of deaths given on page 42, it will be seen that the deaths from Atrophy were much more numerous in the summer than in any other season of the year, while the deaths from Diarrhœa were, practically speaking, confined to the summer season.

“I attribute much of the fatality among infants during the summer to the air becoming impure through admixture with sewer emanations, here rendered specially hurtful in that they come from sewers containing deposit. This factor in the causation of infant deaths is, of course, at this season supplemented through the ignorance and neglect shown by mothers in the rearing of their children, and I regard these neglectful habits as constituting the chief cause of a great part of the fatality sustained during the other seasons of the year.” (*Vide* Report for 1879.)

A circumstance which unfavourably influences infant mortality in Leicester, and serves to perpetuate ignorance among mothers as to the proper alimentation of infants, is the large proportion of midwifery cases attended by midwives. 1,101 births were registered during the last thirteen weeks in 1880; 471 or 42·8 per cent. of the mothers of these infants were attended by medical men, and 630 or 57·2 per cent. by midwives. As the excess in the attendances by midwives was pretty evenly distributed over the weekly periods, a fair approximate of the relative numbers of mothers attended in the whole year by medical men and midwives may be obtained by applying the above per centages to the total births registered during the year. In this way it would appear that of the 4,860 births registered, 2,080 of the mothers were attended by medical men and 2,780 by midwives. Among these 2,780 deliveries there must have been many tedious labours, which class of cases most midwives are grossly incompetent to deal with. It is, therefore, not difficult to understand that the results in such labours were not only disastrous to the mothers, but especially prejudicial to the life and future development of the infants.

SANITARY WORK.

The general Sanitary work in the Borough has been efficiently performed during the year, no fewer than 1,150 orders having been served on owners of house property to cleanse and lime-wash filthy houses, and 708 notices were also issued for the abatement of various nuisances.

Nuisances.—In 260 instances, notices were given to repair defective or private drains, which required opening and clearing from obstruction; in 233, to efficiently trap defective drains; in 19, to disconnect sink drains from the sewer; in 57, to reconstruct or repair foul ash-pits; in 24, to provide sufficient privy accommodation; in 32, to properly pave back yards; and in 33, to make good foul or defective urinals.

Notices were also served for the following nuisances: 31 arising from swine keeping; 10 caused by water in cellars; and 9 due to chimneys emitting black smoke from 5 to 20 minutes in the hour.

Unwholesome Food.—The weight of unwholesome food seized by the Food Inspector during 1880 was equal to 23,841 lbs., and comprised 14,321 lbs. of beef, mutton, ham, &c., 6,774 lbs. of fish, and 2,746 lbs. of fruit. The greater portion of the above was destroyed at the request of Mr. Wand, Food Inspector, but several prosecutions were instituted in which the defendants were fined.

APPENDIX

TO THE

REPORT OF THE MEDICAL OFFICER OF HEALTH,

1880.

APPENDIX

REPORT OF THE MEDICAL OFFICER OF HEALTH,
1880.

STREETS IN WHICH DEATHS OCCURRED FROM
ZYMOTIC DISEASES DURING THE YEAR 1880.

M E A S L E S.

Grosvenor street.	135, Cranbourne street.
Union (21 cases).	16, Fennel street.
14, Chester street.	183, Argyle street.
19, Grosvenor street.	28, Belper street.
7, Camden street.	207, Argyle street.
20, Gower street.	162, Cranbourne street.
165, Syston street	11, Craven street.
31, Wharf street.	Bardolph street.
90, Oxendon street.	1, Devonshire street.
19, Percy street.	Bedford buildings.
15, Wood street.	27, Craven street.
27½, Fleet street.	17, Queen street.
18, Gower street.	8, Simpson street.
99, Dorset street.	24, Gartree street.
134, Gresham street.	102, Brook street.
17, Mill lane.	59, Craven street.
Belgrave road.	53, Benford street.
59, Bardolph street.	Lower Church gate.
68, Brook street.	94, Russell street.
69, Argyle street.	20, Heanor street.
136, Bedford street.	Garendon street.
35, Martin street.	6, Bay street.
Woodboy street.	Northampton street.
25, Wood street.	5, Fleet street.
82, Brook street.	71, Palmerston street.
Catherine street.	51, Waring street.
207, Argyle street.	102, Upper Willow street.
Court K, Church gate.	9, Porter street.
158, Argyle street.	39, Craven street.
75, Chester street.	91, Oxendon street.
65, Lee street.	Colton street.
162, Gresham street.	24, Gartree street.

- Court E, Colton street.
 20, Lower Church gate.
 Court A, Yeoman street.
 108, Wheat street.
 Mount street.
 31, Brougham street
 5, Spencer street.
 3, Gartree street.
 10, Frog Island terrace.
 19½, Gordon street.
 11, Upper Fox street.
 208, Curzon street.
 26, Gordon street.
 69, Northampton street.
 20, Ashwell street.
 32, Gravel street.
 28, Oxendon street.
 92, Wheat street.
 57, Crafton street.
 235, Syston street.
 32, Garden street.
 Wheat street.
 Benford street.
 75, Upper Kent street.
 42, Dover street.
 11, Providence place.
 Wheat street.
 Court D, Crab street.
 70, Gresham street.
 82, Cranbourne street.
 11, Spitalhouse street.
 52, Cranbourne street.
 145, Argyle street.
 9, Curzon street.
 Earl Howe street.
 29, Upper Brunswick street.
 71, Willow Bridge street.
 36, Oxendon street.
 49, Lewin street.
 17, Wright street.
 12, Henry street.
 49, King Richard's road.
 Infirmary.
 12, Northgates.
 10, Church gate.
 14, Soar lane.
 22, Durham street.
 11, Johnson street.
 29, Cumberland street.
 21, Wolsey street.
 34, Grape street.
 70, Outram street.
 9, Harding street.
 17, Corah street.
 3, Diamond street.
 35, Lyttleton street.
 7, Bradgate street.
 12, Raglan street.
 25, Clara street.
 Court R, Sanvey gate.
 16, Havelock street.
 37, West Holme street.
 New Park street.
 61, Catesby street.
 36, Leamington street.
 32, Buckingham street.
 80, Great Holme street.
 34, Middle street.
 99, Catesby street.
 11, Mostyn street.
 13, Emerald street.
 3, Mill lane.

52, Outram street.
 44, Braunstone gate.
 4, Clara street.

52, Jarrom street.
 41, Jewry Wall street.

SCARLATINA.

23, Waring street.
 84, Clipstone street.
 10, West Goscote street.
 22, Metcalf street.
 4, Edward street.
 11, Rathbone place.
 28, Waring street.
 39, Oak street.
 76, Humberstone road.
 73, Syston street.
 64, Benford street.
 47, Melton street.
 106, Syston street.
 13, Carley street.
 48, Burley's lane.
 42, Kent street.
 Chester street.
 60, Waring street.
 28, Chester street.
 Court A, Woodboy street.
 18, Swaffham street.
 5, Hampden street.
 28, Upper Fox street.
 Humberstone road.
 18, Gartree street.
 28, Edwyn street.
 Sandacre street.
 43, Ash street.
 Gopsall street.
 " "
 32, Brierley street.

Belgrave road.
 Twycross street.
 26, Foundry square.
 Market street.
 22, Clipstone street.
 Gopsall street.
 102, Humberstone road.
 267, Syston street.
 37, Albion street.
 54, Wheat street.
 57, Ash street.
 22, Clipstone street.
 23, Thomas street.
 10, Melville street.
 96, Bartholomew street.
 27, Ash street.
 23, Thomas street.
 208, Gresham street.
 24, Upper Conduit street.
 14, Dorset street.
 34, Calais street.
 131, Humberstone road.
 14, Spitalhouse street.
 98, Wellington street.
 64, Metcalf street.
 102, Bartholomew street.
 25, Gartree street.
 10, Percy street.
 41, S. Saviour's road.
 73, Gartree street.
 15, Eaton street.

4, Garendon street.
 18, Cumberland street.
 30, Thornton lane.
 4, Chestnut street.
 43, Outram street.
 Dun's lane.
 25, Cardigan street.
 13, " "
 Road S, Freeman's Common.
 2, Outram Cottages.
 Road S, Freeman's Common.
 61, New Bridge street.
 8, Lancaster street.
 29, Coventry street.

19, Foxton street.
 134, Havelock street.
 18, Raglan street.
 8, Thorpe street.
 3, West street, Braunstone gate.
 15, " " "
 18, Laxton street.
 Charlotte street.
 43, Friars' Causeway.
 37, West street, Southfields.
 4, Lower Vine street.
 10, Pentonville, Grange lane.
 5, Noble street.
 19, Brudenel street.

DIPHTHERIA.

199, Syston street.
 Humberstone road.
 38, Martin street.
 25, South Church gate.
 St. James' street.
 144, Charnwood street.
 109, " "
 2, Albert street.
 4, " "
 24, Baker street.
 19, Catesby street.

Sutherland street
 18, Galltree gate.
 1, Johnson street
 43, Birstall street.
 9, Carley street.
 9, Welford road
 Hinckley road
 31, Flora street
 27, Thorpe street
 28, Knighton street
 43, New Bridge street

FEVER.

69, Chester street.
 3, Short street.
 53, Church gate.
 21, Wigston street.
 Britannia street.
 13, St. Margaret's street.

25, Percy street.
 8, Northumberland street.
 4, Birstall street.
 123, Denman street.
 Humberstone gate.
 257, Cranbourne street.

14, Chandos street.
 18, Queen street, Rutland st.
 41, Pasture lane.
 3, St. Margaret's yard.
 3, Brierley street.
 4, Upper King street.
 County Asylum.
 Infirmary.
 21, Slater street.
 11, Grundon street.
 Infirmary.
 ”
 23, Jewry Wall street.
 32, Havelock street.
 New Park cotts., Hinckley rd.
 Infirmary.
 13, Crystal street.
 42, Cardinal street.
 Infirmary.

Rutland cotts., Lwr. Brown st.
 15, Bradgate street.
 Infirmary.
 ”
 ”
 ”
 ”
 13, Court M, Oxford street.
 Infirmary.
 ”
 38, Oxford street.
 Infirmary.
 1, Fairfax street.
 1, Crystal street.
 52, Havelock street.
 Infirmary.
 ”
 1½, Causeway lane.

WHOOPING-COUGH.

4, Carley street.
 76, Crafton street.
 2, Carley street.
 44, Lewin street.
 69, Wheat street.
 Gotha street.
 10, Melville terrace.
 25, Lewin street.
 2, Camden street.
 Palmerston street.
 Court C, Sanvey gate.
 6, Graham street.
 155, Birstall street.

Biddulph street.
 Willow street.
 32, Taylor street.
 32, Alfred terrace.
 4, Eaton street.
 13, Alfred terrace.
 37, Stoughton street.
 45, Eaton street.
 25, Brunswick street.
 28, Northgate street.
 46, Oxford street.
 Holland's yard, Jarrom street.

ERYSIPELAS.

Upper Kent street.
33, Avon street.
15, Russell square.
1, New lane.
6, Frank street.
Saxe Coburg street.

5, Foundry lane.
Court B, All Saints' road.
4, Outram street.
14, Bath lane.
35, Andrew street.
52, Havelock street.

DIARRHŒA.

Date.	Age.	Address.	Date.	Age.	Address.
Jan. 23	3 months	Court B, Willow Street	,, 8	4 ,,	129 New Bridge Street
Feb. 14	5 ,,	47 Elm Street	,, 15	8 ,,	6 Charnwood Street
,, 16	4 ,,	54 Albion Street	July 5	16 ,,	72 Gresham Street
,, 16	4 ,,	26 Cardinal Street	,, 8	4 ,,	Melville Terrace
,, 19	3 ,,	129 Dorset Street	,, 15	10 ,,	3 Cumberland Street
,, 22	3 ,,	,, ,,	,, 15	11 weeks	1 Diamond Street
Mar. 26	4 ,,	45 Crab Street	,, 15	17 months	14 Ruding Street
,, 29	4 ,,	,, ,,	,, 16	3 weeks	Court M, Oxford Street
,, 31	64 years	36 Vauxhall Street	,, 16	10 ,,	36 Abbey Street
April 17	7 months	62 Benford Street	,, 17	6 months	Court B, Bonner's Lane
,, 26	65 years	Union	,, 21	7 weeks	3 Olive Hill
,, 27	15 weeks	17 York St, Welford Rd.	,, 22	8 months	18½, Sanvey Gate
,, 30	3 months	46 Causeway Lane	,, 22	9 ,,	5 Diamond Street
,, 30	5 ,,	24 Gladstone Street	,, 22	2 & 3 mos.	15 Johnson Street
May 8	74 years	17 Marston Street	,, 23	5 months	Blackfriars Street
,, 12	14 days	Jewry Wall Street	,, 23	15 weeks	23 Eaton Street
,, 25	5 months	135½ Birstall Street	,, 24	11 ,,	Denmark Terrace
,, 29	5 weeks	11 Barston Street	,, 24	11 months	Court C, Frog Island
,, 30	10 months	9 Britannia Street	,, 25	8 ,,	50 Thornton Lane
June 1	6 ,,	1 Fennel Street	,, 26	4 ,,	157 Cranbourne Street

Date.	Age.	Address.	Date.	Age.	Address.
July 27	6 weeks	40 Friday Street	Aug. 8	7 months	67 Birstall Street
„ 27	15 „	6 Upper Conduit Street	„ 9	10 „	37 Spinney Hill Road
„ 27	4 months	23 Jarrom Street	„ 9	4 „	4 Court D, Northgate St.
„ 28	2 „	12 Knighton Street	„ 9	6 „	11 Harcourt Street
„ 28	11 „	46 Navigation Street	„ 9	7 „	8 Emerald Street
„ 30	7 weeks	Aylestone Street	„ 10	8 „	W Road, Freeman's Com
„ 31	5 months	74 Sherrard Street	„ 10	14 „	1 Brunswick Street
„ 31	21 „	52 All Saints Road	„ 11	15 weeks	16 Alexander Street
„ 31	3 „	19 Bonner's Lane	„ 11	3½ months	154 Highcross Street
Aug. 2	6 „	58 Burgess Street	„ 11	4 „	155 Cranbourne Street
„ 2	3 „	1 City Wall Street	„ 11	3 „	Sandacre Street
„ 2	10 „	24 Craven Street	„ 11	10 „	Charlotte Street
„ 2	12 „	50 Brook Street	„ 12	6 weeks	16 Percy Street
„ 2	6 „	Humberstone Road	„ 12	1½ years	1 Johnson Street
„ 3	2 „	Court C, Frog Island	„ 12	5 months	St. Saviour's Road
„ 3	4 „	41 Woodboy Street	„ 12	10 „	Sycamore Lane
„ 3	18 „	14 Gravel Street	„ 12	7½ years	24 Ruding Street
„ 3	6 „	28 Heanor Street	„ 12	1½ „	45 Littleton Street
„ 3	2 „	51 Stanley Street	„ 13	11 months	7 Deacon Street
„ 4	11 „	Braunstone Gate	„ 13	17 „	27 Fuller Street
„ 4	4 „	Court L, Northgate St.	„ 13	7 „	27 New Bridge Street
„ 4	4 „	Sherrard Street	„ 13	6 „	38 Charnwood Street
„ 5	10 „	43 Royal East Street	„ 13	10 „	7 Gladstone Street
„ 5	3 „	Grundon Street	„ 13	4 „	73 Wheat Street
„ 6	6 weeks	258 Syston Street	„ 13	6 „	44 Britannia Street
„ 6	11 „	Castle View	„ 14	3 „	Cranbourne Street
„ 7	9 months	3 Rudkin Street	„ 15	67 years	Frog Island
„ 7	6 „	9 Nelson Place	„ 15	3 months	15 Buckingham Street
„ 8	4 „	All Saints Road	„ 15	5 „	23 Cardinal Street

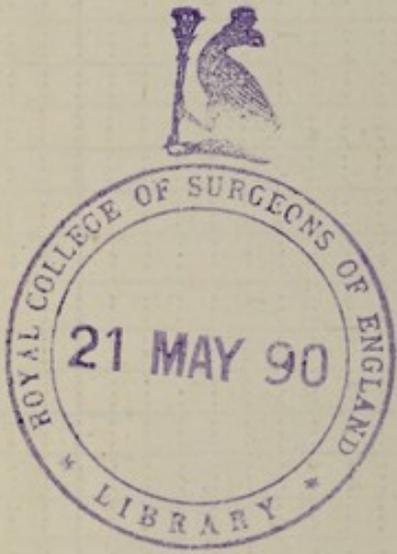
Date.	Age.	Address.	Date.	Age.	Address.
Aug. 15	12 days	45 Clarendon Street	Aug. 19	6 months	81 Sanvey Gate
„ 15	13 months	6 Watling Street	„ 19	12 „	212 Belgrave Gate
„ 15	11 „	26 St. James' Street	„ 19	7 weeks	Chester Street
„ 15	16 „	60 Waring Street	„ 20	8 months	21 Vauxhall Street
„ 15	15 „	71 Wheat Street	„ 20	10 weeks	4 Southgate Street
„ 15	11 „	9 Waterloo Street	„ 20	2 years	8 All Saints' Terrace
„ 16	86 years	Trinity Hospital	„ 20	6 months	16 Fuller Street
„ 16	6 months	Alexander Street	„ 20	9 „	11 Pasture Lane
„ 16	8 „	14 Redcross Street	„ 20	7 „	17 Watling Street
„ 16	10 „	180 Curzon Street	„ 20	1½ years	86 Bedford Street
„ 16	2 „	99 Wheat Street	„ 20	1½ „	157 Argyle Street
„ 16	10 „	66 Willow Street	„ 20	3 months	11 Lower Grove Street
„ 16	2 weeks	12 Brunswick Terrace	„ 20	3 „	55 Biddulph Street
„ 16	11 „	51 Navigation Street	„ 20	4 „	92 Upper Conduit Street
„ 17	11 months	Bartholomew Street	„ 20	3 „	Preston Street
„ 17	4 weeks	5 Christow Street	„ 21	3 „	Sherrard Street
„ 17	5 „	25 Providence Place	„ 21	14 „	20 York Street
„ 17	6 months	Court B, Bakehouse Lane	„ 21	12 „	275 Belgrave Gate
„ 17	7 weeks	11 Tower Street	„ 21	6 „	29 West Street
„ 18	11 months	Friars' Causeway	„ 21	15 weeks	2 Atkin Street
„ 18	6 weeks	10 Rawson Street	„ 21	4 months	96 High Street
„ 18	9 months	Wyggeston School	„ 22	18 „	7 St. Margaret's Street
„ 18	1½ years	Alexander Street	„ 22	1 month	9 Bread Street
„ 18	13 months	Court A, Belgrave Gate	„ 22	16 months	26 Albion Street
„ 18	1 „	29 Frank Street	„ 22	3 weeks	70 Catherine Street
„ 18	3 „	15 Carley Street	„ 23	5 months	58 Aylestone Street
„ 18	12 „	1½ Fennel Street	„ 23	16 „	Elbow Lane
„ 18	2 „	54 Upper Brunswick St.	„ 23	6 „	12 Clyde Street
„ 18	4 „	49 Queen Street	„ 23	9 „	26 Hampden Street

Date.	Age.	Address.	Date.	Age.	Address.
Aug. 23	5 months	Catherine Street	Aug. 27	3 months	24 Mill Lane
„ 23	8 „	Earl Howe Street	„ 27	2 years	3 All Saints' Terrace
„ 23	11 weeks	16 Queen Street	„ 27	13 months	25 Wellington Street
„ 23	4 „	43 St. Peter's Lane	„ 27	19 „	Upper Brown Street
„ 24	7 „	Littleton St. Cottages	„ 27	3 „	9 Caroline Street
„ 24	5 „	58 Mill Lane	„ 27	66 years	Union
„ 24	6 „	13 Castle Street	„ 27	12 months	Court M, Oxford Street
„ 24	20 „	2 Gordon Street	„ 28	11 „	Soar Lane
„ 24	12 „	5 Bow Street	„ 28	11 weeks	45 Thornton Lane
„ 24	23 „	Bardolph Street	„ 28	9 months	10 Raglan Street
„ 25	17 „	21 St. Leonard's Street	„ 28	5 „	14 Middle Street
„ 25	11 weeks	Court M, Oxford Street	„ 28	2 years	Union
„ 25	9 months	5 North Bridge Place	„ 28	23 months	91 Brook Street
„ 25	11 „	78 Upper Conduit Street	„ 28	18 „	18 South Church Gate
„ 25	11 „	10 Nelson Square	„ 28	15 „	17 Osborne Street
„ 25	5 „	4 Liggins Street	„ 28	8 „	Mansfield Street
„ 25	4 „	41 Martin Street	„ 29	19 days	42 Redcross Street
„ 25	10 „	98 Bedford Street	„ 29	3 months	28 Diamond Street
„ 25	7 „	67 Bedford Street	„ 29	3 „	6½ Friday Street
„ 26	6 „	12 Diamond Street	„ 29	12 „	80 Martin Street
„ 26	4 „	65 Thornton Lane	„ 29	9 „	Denman Street
„ 26	6 weeks	8 Buckingham Street	„ 30	78 years	28 Willow Street
„ 26	9 months	10 Fuller Street	„ 30	4 months	38 Clipstone Street
„ 26	10 „	114 Syston Street	„ 30	6 weeks	24 Watling Street
„ 26	4 „	Court B, Archdeacon Ln.	„ 30	3 months	60 Flint Street
„ 26	20 „	30 Gravel Street	„ 30	12 „	6 Heanor Street
„ 26	8 „	156 Syston Street	„ 31	3 „	High Street
„ 26	5 „	114 Northampton Sereet	„ 31	11 „	36 Britannia street
„ 26	3 „	9 Caroline Street	„ 31	13 „	4 Bedford Street

Date.	Age.	Address.	Date.	Age.	Address.
Sept. 1	12 days	Court M, Oxford Street	Sept. 5	5 months	44 Avon Street
„ 1	2 years	29 Grundon Street	„ 5	4 „	5 Britannia Street
„ 1	17 months	4 Piccadilly	„ 5	14 „	12 „ „
„ 1	5 „	45 Lee Street	„ 5	22 „	57 Lee street
„ 1	2 years	Grosvenor Street	„ 5	2 years	11 Pasture Lane
„ 1	1 month	Edwyn Street	„ 5	1 month	24 Charlotte Street
„ 1	15 months	21 Yeoman Street	„ 5	11 months	5 Warrington Street
„ 1	8 „	20 Stanley Street	„ 5	5 „	61 Noble Street
„ 1	3 years	97 Gresham Street	„ 6	6 „	12 Crystal Street
„ 2	11 months	4 Sycamore Lane	„ 6	5 „	12 Abbey Street
„ 2	6 weeks	St. James' Rd. Terrace	„ 6	12 „	2 Nelson Place
„ 2	4 months	35 Royal East Street	„ 6	3 „	191 Syston Street
„ 2	10 weeks	2 Granby Place	„ 6	6 „	Alexander Street
„ 2	5 months	181 Dorset Street	„ 6	10 „	19 George Street
„ 2	12 „	57 St. Saviour's Road	„ 6	8 „	77 Ash Street
„ 2	10 weeks	8 Lord Street	„ 6	5 „	32 Painter Street
„ 3	14 months	45 New Bridge Street	„ 6	20 „	17 Cranbourn Street
„ 3	5 „	21 Flora Street	„ 7	9 „	18 Shenton Street
„ 3	12 „	49 Chester Street	„ 7	12 „	197½ Birstall Street
„ 3	6 „	14 Green Street	„ 7	12 „	A Benford Street
„ 4	19 „	3 Olive Hill	„ 8	11 „	63 Great Holme Street
„ 4	1 „	56 Filbert Street	„ 8	3 years	32 Grange Lane
„ 4	12 „	34 Chester Street	„ 8	5 months	14 Liggins Street
„ 4	4 „	16 Baker Street	„ 8	2 years	Union
„ 4	22 „	14 Flint Street	„ 8	50 „	Navigation Street
„ 4	4 „	Kate Street	„ 9	8 months	23 Woodgate
„ 4	6 „	48 Birstall Street	„ 9	15 „	24 Emerald Street
„ 4	20 „	6 Crab Street	„ 9	11 „	9 The Hollow
„ 5	8 „	29 Coventry Street	„ 9	5 „	149 Cranbourn Street

Date.	Age.	Addrsss.	Date.	Age.	Address.
Sept. 9	9 months	36 Devonshire Street	Sept. 13	1 year	23 Wigston Street
,, 10	22 ,,	47 Catesby Street	,, 13	13 months	13 Crab Street
,, 10	7 weeks	29 Grundon Street	,, 14	14 ,,	19 Charnwood Street
,, 10	2 years	99 Church Gate	,, 14	10 weeks	21 Warrington Street
,, 10	5 weeks	Grosvenor Street	,, 14	3 years	All Saints' Terrace
,, 10	8 months	25 Bow Street	,, 14	10 months	32 Gordon Street
,, 10	9 ,,	46 Friday Street	,, 14	5 ,,	Court D, Sanvey Gate
,, 10	9 ,,	41 Biddulph Street	,, 15	17 ,,	56 Bardolph Street
,, 10	3 ,,	89 Russell Street	,, 15	2 years	14 Abbey Gate
,, 10	3 ,,	29 Spinney Hill Road	,, 15	5 months	10 Noble Street
,, 10	10 ,,	37 Caroline Street	,, 15	8 ,,	13 New Lane
,, 10	3 ,,	Upper Kent Street	,, 15	3 ,,	Court K, Bedford Street
,, 10	3 ,,	25 Preston Street	,, 15	18 ,,	32 Birstall Street
,, 10	5 ,,	Prebend Street	,, 16	12 ,,	Thornton Lane
,, 10	17 days	13 Rayne Street	,, 16	61 ,,	22 Tower Street
,, 11	7 months	Court A, Southgate St.	,, 16	10 weeks	Biddulph Street
,, 11	4 ,,	38 Catesby Street	,, 16	2 months	212 Argyle Street
,, 11	3 ,,	Nelson Street	,, 17	12 ,,	27 Slater Street
,, 11	3 ,,	290 Birstall Street	,, 17	19 ,,	47 Bradgate Street
,, 11	9 ,,	9 Southampton Street	,, 17	7 ,,	Court H, Wellington St.
,, 11	2 years	62 Willow Bridge Street	,, 17	5 ,,	5 Grove Street
,, 12	1 year	Court H, Jewry Wall St.	,, 18	13 ,,	11 Gravel Street
,, 12	11 months	8 Benford Street	,, 18	12 ,,	26 Watling Street
,, 12	3 ,,	5 Lichfield Street	,, 18	11 ,,	16 Goswell Street
,, 12	23 ,,	54 Wheat Street	,, 20	8 ,,	Knighton Road Cottages
,, 12	6 ,,	197 Curzon Street	,, 20	13 ,,	8 Alfred Place
,, 13	8 ,,	15 Blackfriars Street	,, 20	4 ,,	64 Burley's Lane
,, 13	2½ years	29 Thorpe Street	,, 20	9 ,,	12 Painter Street
,, 13	3 ,,	3 Pingle Street	,, 20	2 ,,	Britannia Street
,, 13	18 months	6 Simpson Street	,, 21	21 ,,	Fleet Street

Date.	Age.	Address.	Date.	Age.	Address.
Sept. 21	2 months	Bow Bridge Inn	Oct. 1	9 months	21 Upper Conduit Street
„ 22	11 „	25 Lower Brown Street	„ 1	18 „	9 Richard Street
„ 22	5 „	75 Ash Street	„ 1	68 years	9 Canning Place
„ 22	2 years	12 Dunkirk Street	„ 1	18 months	Mansfield Street
„ 22	4 months	74 Catherine Street	„ 2	9 weeks	33 Christow Street
„ 23	5 „	Lyttleton Street	„ 2	7 months	9 Bay Street
„ 23	18 „	20 Norfolk Street	„ 2	2 years	69 Lee Street
„ 23	4 „	14 Park Street	„ 4	19 months	8 Harding Street
„ 23	11 „	80 Oxendon Street	„ 5	13 „	5 Durham Street
„ 23	9 weeks	44 Charnwood Street	„ 5	23 „	Court B, Frog Island
„ 23	5 months	19 Brunswick Street	„ 6	18 „	Court B, Blackfriars
„ 24	18 „	14 Charnwood Street	„ 6	18 „	84 Charnwood Street
„ 24	6 „	Court B, Willow Street	„ 6	3 „	36 Mount Street
„ 25	13 „	12 Belper Street	„ 8	7 „	Mansfield Street
„ 25	18 „	3 Opal Street	„ 8	17 „	Court K, Northgate St.
„ 25	9 „	Saulsbury Road	„ 12	6 „	35 Caroline Street
„ 25	2 years	33 Sarah Street	„ 12	14 „	29 Sanvey Gate
„ 26	6 weeks	All Saints' Road	„ 14	7 „	Stoughton Street
„ 27	7 months	Union	„ 14	54 years	60 Archdeacon Lane
„ 27	9 „	Court D, Crab Street	„ 15	17 months	15 Opal Street
„ 27	3 „	St. James' Road Cottages	„ 16	6 years	1 Friday Street
„ 28	4 years	40 Cardinal Street	„ 17	3 months	3 Wheat Street
„ 28	18 months	41 Warrington Street	„ 18	8 „	45 Mill Lane
„ 28	10 „	43 Navigation Street	„ 18	9 „	62 Noble Street
„ 29	8 weeks	63 New Bridge Street	„ 18	18 „	34 Gordon Street
„ 29	4 months	28 Oxford Terrace	„ 22	15 „	6 Lyttleton Street
„ 29	6 „	5 Edwyn Street	„ 25	9 „	6 Mostyn Street
„ 30	11 weeks	15 Lower Sandacre Street	„ 27	18 „	11 Cardinal Street
„ 30	15 months	Burley's Lane	„ 30	9 „	Court B, Oxford Street
„ 30	7 „	St. Saviour's Road	Nov. 2	7 „	27 Farnham Street
„ 30	7 weeks	Spinney Hill Road	„ 4	66 years	Court I, Northgate St.
Oct. 1	4 months	118 Coventry Street	„ 16	10 months	14 Harvey Lane
„ 1	12 „	23 Biddulph Street	Dec. 15	36 years	10 Gower Street



DEVIHŠ FOR THE QVABLEB ENING 3P9 707A 1880



1881 YPAUNAL 1st DINGE WEEKS ENDING 1st ENTH APRON ENTHAE



*Red marks indicate deaths from Sanitation
 Males
 Females
 during the year 1850.*

REPRODUCED BY COURTESY OF THE



