

[Report 1897] / Medical Officer of Health, Leeds City.

Contributors

Leeds (England). City Council.

Publication/Creation

1897

Persistent URL

<https://wellcomecollection.org/works/kr44s6nr>

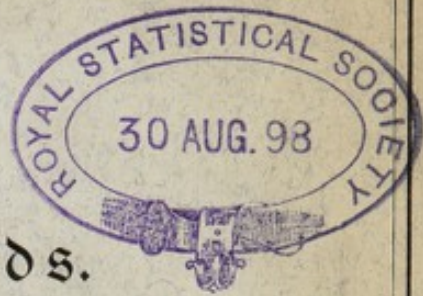
License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



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



City of Leeds.

REPORT

OF THE

Medical Officer of Health.

1897,

And to end of 1st Quarter, 1898.

LEEDS:

JOWETT & SOWRY, PRINTERS AND LITHOGRAPHERS, ALBION STREET.



Digitized by the Internet Archive
in 2017 with funding from
Wellcome Library

<https://archive.org/details/b29722342>

City of Leeds.



REPORT

OF THE

Medical Officer of Health.

1897,

And to end of 1st Quarter, 1898.

LEEDS :

JOWETT & SOWRY, PRINTERS AND LITHOGRAPHERS, ALBION STREET.

SANITARY COMMITTEE,

1896-7.

Lord Mayor - - - - - SIR JAMES KITSON, BART., M.P.

Chairman - - - - - COUNCILLOR WOMERSLEY.

Deputy-Chairman - - - - - ALDERMAN WM. WALKER.

Alderman	HARDING.	Councillor	HEALD.
"	LOE.	"	KNOWLES.
"	LUPTON.	"	LEUTY.
"	WARD.	"	RATCLIFFE.
Councillor	AMBLER.	"	SCHOLEFIELD.
"	BETTISON.	"	SIMPSON.
"	CLARKE.	"	SMITH.
"	GORDON.	"	VICKERS.
"	HANNAM.	"	WORMALD.
"	HAWKYARD.		

1897-8.

Lord Mayor - - - - - CHARLES FRANCIS TETLEY.

Chairman - - - - - COUNCILLOR WOMERSLEY.

Deputy-Chairman - - - - - ALDERMAN WM. WALKER.

Alderman	HARDING.	Councillor	HEALD.
"	LOE.	"	KNOWLES.
"	LUPTON.	"	LEUTY.
"	WARD.	"	RATCLIFFE.
Councillor	AMBLER.	"	SCHOLEFIELD.
"	BETTISON.	"	SIMPSON.
"	CLARKE.	"	SMITH.
"	GORDON.	"	VICKERS.
"	HANNAM.	"	WORMALD.
"	HAWKYARD.		

REPORT

OF THE

Medical Officer of Health.

For the Fifty-two Weeks ended January 1st, 1898.

MUNICIPAL BUILDINGS,

LEEDS, FEB. 10TH, 1898.

To the Chairman of the Sanitary Committee.

SIR,

The death-rate in Leeds during 1897 was 20 per 1,000. This, in comparison with rates which obtained in Leeds a very few years ago, would be regarded as eminently satisfactory, but it was not quite so favourable a rate as that of the previous year, which was 18·8, though it was a trifle under that of the year 1895, which had been 20·5. It is not, of course, advisable to pay too great attention to slight fluctuations in the death-rate such as occur from year to year. It is safer, on the whole, to compare groups of years.

Taking therefore the eight years on which I have now had the honour to report to you, I find that during the last four, 1894-97, the death-rate has averaged 19·3 per annum. During the four years which immediately preceded them the average had been 21·9, an improvement of about 12 per cent. (See tables, p. 19.)

Returning, however, to the single year 1897, with which this report is specially concerned, it will be found that the death-rate was higher than in two and lower than in one year of the quadrennium which it closed, and 0·7 per 1,000 above the average rate for that quadrennium.

On the other hand, compared with the four earlier years (1890-93), the rate last year was below that of three out of the four, and 1·9 deaths per 1,000 of the population below the average of those four years.

COMPARISON WITH THE NINE LARGE TOWNS OF THE UNITED KINGDOM.

Our death-rate, which we have called above 20·0, when carried to two, instead of one place of decimals is 19·97. Calculated as the Registrar-General does, after excluding the

TABLE

Shewing the death-rates in the Nine Largest Cities of the United Kingdom for the 52 weeks, and each of the 13 week periods of 1897.

		First quarter of 1897.	Second quarter of 1897.	Third quarter of 1897.	Fourth quarter of 1897.	52 Weeks.
London	-	18·4	15·5	19·4	19·4	18·2
<i>Leeds</i>	-	20·0	16·7	21·9	20·9	19·9
Sheffield	-	18·5	19·4	26·1	20·8	21·2
Edinburgh	-	22·4	25·0	18·4	19·4	21·3
Birmingham	-	20·9	18·3	26·3	20·8	21·6
Glasgow	-	26·8	21·0	19·4	20·6	22·0
Manchester	-	23·5	22·7	26·0	20·2	23·1
Liverpool	-	23·9	21·8	28·8	22·9	24·4
Dublin	-	40·1	27·3	24·0	24·6	29·0

deaths in the several workhouses of paupers from districts outside the City, the rate is 19·89. In comparing our own death-rate with that in the nine largest cities of the three kingdoms we shall, of course, use his figures, and call the rate to one place 19·9.

It will then be found that we stand second in the list of these towns. First comes London, with a rate of 18·2, then Leeds 19·9, followed by Sheffield, Edinburgh, Birmingham, and Glasgow with rates of 21·2, 21·3, 21·6, and 22·0 respectively. Manchester, Liverpool, and Dublin follow, their rates were 23·1, 24·4, 29·0.

QUARTERLY MORTALITY IN 1897.

In considering the causes of this slightly increased mortality during 1897, as compared with the year preceding it, we shall find that they almost all operated during the latter part of the year. During the first quarter the death-rate was 20·1, a little higher than the average of the whole year. It fell in the second quarter to 16·8. The third, in which you will remember diarrhoea was very fatal, had a rate of 22·0. The rate fell to 21·0 in the fourth quarter. I propose to deal with the health conditions in these quarters separately.

First quarter, 1897.—The death-rate, which had been 19·3 in the fourth quarter of 1896, rose, as already said, in this quarter to 20·1. Measles and scarlet fever, which had caused 31 and 30 deaths respectively in the fourth quarter of 1896, caused, in the one case, three, in the other, one death more in the earlier months of 1897. Diphtheria and whooping cough, which had caused 10 and 25 deaths respectively in the closing months of 1896, were credited with 19 and 18 deaths in the first three months of 1897. "Continued fevers" had caused 24 deaths and diarrhoea 8 in the fourth quarter of 1896, while the mortality from these two groups fell to 13 and 5 respectively in the quarter we are considering. The 128 deaths from the group of the seven commoner ZYMOTIC DISEASES

in the fourth quarter of 1896 was thus represented by 120 in the first quarter of 1897, the death-rate in the one case being 1.3 per 1,000 per annum, in the other 1.2.*

The deaths from LUNG DISEASES, other than consumption, which were 495 in the fourth quarter of 1896, fell to 488 in the first quarter of 1897, though those from influenza, included in these numbers, however, rose from 6 to 11. The deaths from PHTHISIS were also three fewer, and from diseases of the circulation, two fewer.

Taken as a whole, the death-rate from the causes specified in Table A was 10.02 in the fourth quarter of 1896, and 9.41 in the first quarter of 1897. The slight increase was entirely from other diseases not specially distinguished in the ordinary quarterly returns. In this group there had been 413 deaths in children under 5 in the preceding, against 477 in the quarter we are considering, and this had overbalanced the diminution in the deaths from the classified causes, so that under 5, from all causes, the deaths had increased from 716 to 752. In the same way amongst those over 5 the increase had been from 1,221 to 1,298. In both cases the increase was due to the non-infective groups of maladies.

In the fourth quarter of 1896 there had been 860 CASES OF INFECTIOUS ILLNESS dealt with by us under the Notification Act of 1889.† This number fell to 624 in the first quarter of 1897. From scarlet fever the diminution was from 532 to 399. From diphtheria and membranous croup, on the other hand, there had been an increase from 31 to 60. From continued fevers the number fell from 146 to 61. From puerperal fever and erysipelas from 122 to 98, and from "other diseases"‡ from 29 to 6.

* The rates are respectively calculated upon the population to the middle of 1896 and 1897, but if both of them are calculated upon the population to the beginning of January, the numbers carried to one decimal place are not altered.

† This Act came into force in Leeds in May, 1894. See note p. 8.

‡ Including those in which there was at first some doubt about the diagnosis, and in which subsequent observation excluded the case from any of the notifiable groups.

Except, therefore, in the case of diphtheria, the number of new infectious diseases reported had been less in all the notifiable diseases. Notwithstanding that the notifications were 236 fewer, there were only 23 fewer admissions to our infectious hospitals,—the reason, of course, being that our accommodation for ordinary infectious diseases was fully occupied during the whole of these six months.

In the several REGISTRATION DISTRICTS the rate of mortality had been increased in the West, Hunslet, Holbeck, Wortley, Chapeltown, Osmondthorpe, and nominally in Kirkstall. It had diminished in the North registration district and, considerably, in the South-East.

The TEMPERATURE of the air, which had been 42.89° in the last quarter of 1896, was 41.70° in the first quarter of 1897, notwithstanding which, estimated by the dry and wet bulb, the HUMIDITY fell from 81.54 to 79.50 per cent. of saturation. The rainfall had decreased from 8.72 to 7.67 whilst the DIATHERMANCY of the atmosphere, as measured by the daily range of the thermometer, had increased from 7.94 to 8.49. The principal changes, therefore, were in the direction of greater coldness and sharpness of the air, and it is not impossible that persons who had survived through the milder and moister winter succumbed to the drier and colder air of spring.

Second quarter of 1897.—The birth-rate was a little (0.9) lower in the second than the first quarter: it was estimated at 32.0. The general death-rate, as we have already said, fell from 20.1 in the first to 16.8 in the second quarter of 1897. On the other hand, the rate from the SEVEN ZYMOTIC DISEASES fell from 1.2 to 0.9. The deaths from this group fell from 120 to 90, there having been 25 from measles, against 34 in the previous quarter; 15 from scarlet fever, against 31; 14 from diphtheria and membranous croup, against 19; 12 from whooping cough, against 18; 12 from "continued fever," against 13. On the other hand, the deaths from diarrhœa rose from 5 to 12.

The deaths from LUNG DISEASES, other than consumption, fell from 488 to 379 ; in the former number 11 deaths from influenza are included, in the latter, 24, that disease and diarrhoea having been the only zymotic diseases more fatal in the second than in the first quarter. From consumption the deaths, which had been 163 in the fourth quarter of 1896, and 160 in the first of 1897, fell to 143 in the second.

The causes specified in table A, which had caused a rate of 9·41 in the first quarter, caused one of only 7·87 in the second, and the death-rate from the remaining group of causes, not classified in that table, fell from 10·68 to 8·91. There was a fall in both of these large groups both under and over the age of five.

The CASES NOTIFIED* to us, which had been 624 in the first, fell to 492 in the second quarter of the year. Those from scarlet fever went down from 399 to 307 ; from diphtheria and membranous croup, from 60 to 46 ; from "continued fever" (all typhoid), from 61 to 45 ; from puerperal fever and erysipelas, from 98 to 83 ; whilst the small group of "other diseases" rose from 6 to 11.

Those TREATED IN HOSPITAL fell from 202 to 154, although there were 338 who were not sent to hospital. It will be remembered that during the spring quarter the cleaning of the hospital generally takes place, and that we are forced to limit the number of our admissions.

The BAROMETER stood fractionally higher. The TEMPERATURE, as might be expected, averaged considerably so, 56° as against 42°. The HUMIDITY was 66·2 %, against 79·5 % of saturation. The DIATHERMANCY, measured by the daily range of the thermometer, increased from 8·49 to 15·27, whilst the RAINFALL fell from 7·67 inches to 5·68.

The meteorological conditions, therefore, indicated an increased warmth, with a greater dryness of the atmosphere, accompanied by a greater transparency of the air to heat rays. On the whole, there was not more east wind than we generally get in the second quarter of the year.

* Cases sent to hospital the following quarter are counted as if notified in that quarter.

In the second quarter, as compared with the first, the death-rate was lower in all the registration sub-districts, except Osmondthorpe. In that district during the first quarter there had been three births and one death; during the second quarter there were one birth and two deaths. The district, as you are aware, is so small that a single death in the quarter makes a difference of 9·2 in the death-rate.

Third quarter of 1897.—In the third quarter the death-rate rose from 16·8 to 22·0, a very considerable rise. A similar, though not quite so large a rise, was noticed in the 33 great towns, namely, from 16·9 to 21·3. The cause is not far to seek.

The 90 deaths from the seven commoner ZYMOTIC DISEASES in the second quarter, increased in the third to 672. From measles, scarlet fever, and diphtheria, there was an actual decrease from 25 to 23 in the first, 15 to 14 in the second, and 14 to 9 in the third. The deaths from whooping cough increased 5, namely, from 12 to 17. There was a small increase, from 12 to 17, in the deaths from typhoid fever, and one other fever death was reported of a doubtful character. The serious increase, however, was in the deaths from DIARRHŒA. These were 12 in the second quarter of 1897, and 591 in the third. The greatest incidence of death from diarrhœa was in the week ended August 14th. The deaths from this cause had increased at a pretty rapid rate from 3 in the first, to 123 in this, the sixth week of the quarter. They fell at a somewhat similarly rapid rate to 10 in the last week of the quarter.

The deaths from LUNG DISEASES, other than consumption, fell from 379 in the second, to 188 in the third quarter of the year; the 24 deaths from influenza, included in the first of these figures, were represented by 5 in the second. There was also a fall in the deaths from CONSUMPTION from 143 to 135, whilst the deaths from diseases of the circulatory

system rose from 131 to 132. There were also fewer deaths from violence, 52 against 76.

There was an increase in the CASES NOTIFIED* as infectious from 492 in the second to 747 in the third quarter. The increase from scarlet fever was from 307 to 473. Of the 307 we had taken 139 into hospital. In the third quarter, of the 473, we took 138. It had been necessary, of course, in the third quarter, to provide against an increase in the cases of typhoid fever. The 45 cases of typhoid, reported in the second, rose to 162 in the third quarter, and the admissions to hospital, from 6 to 60. We had also in the third quarter to isolate a case reported as typhus. We were thus compelled to restore, for the use of continued fevers, the wards we had borrowed in the early part of the year for cases of scarlet. Altogether, out of 747 cases reported, we isolated 211, as against 154 in the preceding or cleaning quarter.

In the third quarter, in the North and South-East districts of Leeds, the death-rate (27·1 and 33·1) was considerably greater than in either of the two quarters which preceded it. In the West registration district (19·9) it was considerably higher than in the second quarter (15·5), and slightly greater than in the first quarter (19·3) of the year. In Hunslet the death-rate (22·0) was very much greater than in the second (15·5), and nearly one per 1,000 greater than in the first quarter. In Holbeck the rate, which had been 23·6 in the first, fell to 20·2 in the second, and rose to 24·1 in the third quarter of the year. In Wortley the rate (19·4) was greater than that of the second quarter (15·8), but slightly below that of the first (19·8). In Kirkstall the rate was 15·9, considerably above the 13·9 of the second, but only nominally so above the 15·8 of the first quarter. In Bramley the rate of 17·0 was 1·2 above that of the quarter which preceded it, but 1·7 below that of the first quarter of the year. In Chapeltown

* See note p. 8.

the rate of 10·9 was ·3 above the rate of the second, but 3·2 below that of the first quarter. A single death in Osmondthorpe gave a rate of 9·2, corresponding to that of the first, and only half that of the second quarter of the year.

Taking into account only the seven commoner zymotic diseases, the increase in which was overwhelmingly due to diarrhœa, it has been already shown that the death-rate from the seven, which was 1·2 in the first, and fell to 0·9 in the second, rose to 6·6 in the third quarter.

This death-rate of 6·6 was made up of ·23 from measles, ·14 from scarlet fever, ·09 from diphtheria and membranous croup, ·17 from whooping cough, ·18 from continued fevers, and 5·79 from diarrhœa.

This death-rate of 5·79* from diarrhœa was exceeded in the North (7·40), in the South-east (10·34), in Hunslet (6·93), slightly in Holbeck (6·73), while the rates in the West (4·09), Wortley (5·57), Kirkstall (3·87), Bramley (3·45) and Chapeltown (2·75) fell below the average of the city. In Osmondthorpe there was no death from zymotic disease.

The 591 deaths from diarrhœa, as already said, are equivalent to a rate of 5·79 on the whole population, but of these 591 deaths 562 occurred in children under the age of five. The death-rate upon the number estimated to be living at that age was, therefore, 44·02 per 1,000 instead of 5·79, whilst the corresponding rate amongst persons over five was 0·32.

During the third quarter the UNCORRECTED BAROMETRIC READINGS differed very slightly from those in the second. The average dry bulb TEMPERATURE was 63·41°, against 55·95°. The HUMIDITY fell from 66·23° to 64·92°. The rainfall, however, was the twenty-fifth of an inch greater in

* Annual rate per 1,000 for period.

the later period, having risen from 5.68 inches to 5.72. The DAILY RANGE of the thermometer, and consequently the greater diathermancy of the atmosphere was also slightly higher, 15.82° against 15.27°.

The conditions, therefore, are that while the average temperature had increased seven degrees and a half as compared with the second quarter, and nearly 22 degrees as compared with the first, the moisture in the atmosphere was 14½ per cent of saturation less than in the first, although only a little more than one per cent. less than in the second. In the same way the rainfall, though nominally less than in the second quarter, was two inches less than in the first, whilst the daily range of the thermometer, which differed only half a degree in the second and third quarters was more than seven degrees greater than in the first.

Taken together, these conditions indicate that during the second and third quarters, along with a rise of temperature, there had been a considerable increase in the dryness of the atmosphere, a diminution in the amount of rainfall, and an increase in the disparity between day and night temperatures. I have on previous occasions had to draw your attention to these conditions as conducive, when the poison of certain zymotic diseases is present, to a rapid extension of the maladies.

Fourth quarter of 1897.—During the fourth quarter, the death-rate in Leeds fell from 22.0 to 21.0. The birth-rate was also a little lower—30.7 against 31.0 in the third quarter. Our death-rate was again slightly above that of the large towns. During this quarter, measles was somewhat prevalent. It contributed 83 deaths, as against 23 in the preceding quarter. Scarlet fever accounted for 35 against 14, and diphtheria and membranous croup together for 32 against 9. In regard to this disease I shall have

something special to say. Whooping cough also was more fatal, causing 51 deaths against 17 in the previous quarter. As might be expected the enteric fever, which had been becoming prevalent during the latter part of the third quarter, and to the existence of which I drew your attention at the time, chiefly appeared in the death-rate during the fourth quarter, accounting for 41 deaths against 17 in the third quarter. There was a doubtful case in this as well as in the last quarter. The deaths from diarrhoea fell from 591 to 35, so that the seven diseases which had caused a rate of 6.6 in the third quarter, only accounted for 2.7 deaths per 1,000 in the fourth. This was, however, sufficiently high.

LUNG DISEASES were also more fatal, causing 535 deaths against 188. I have before drawn your attention to the increased mortality from lung disease when measles is prevalent. The influenza deaths (included in this group) were 8 against 5, the deaths from consumption (not included) 151 against 135. The deaths from diseases of the circulatory system also increased from 132 to 153.

The NOTIFIED CASES* increased from 747 to 1,047, although of this number we were only able to take 195 into hospital. There were 612 cases of scarlet fever against 473 in the preceding quarter, and we isolated 119 against 138. There were more cases reported, but fewer sent to hospital, the presence of typhoid, of course, requiring us to keep beds for that disease. The diphtheria and croup cases numbered 77 against 27. While there was no typhus, the typhoid cases numbered 211 against 162, and we took 65, as against 60, into hospital. Puerperal fever and erysipelas were reported in 115 cases as against 63, while 31, as against 21, cases of non-notifiable diseases came under our notice.

* See note p. 8.

In the North district the rate fell 1·1, to 26·0, and the zymotic rate from 8·8 to 4·9. In the West the general rate rose from 19·9 to 21·5, while the zymotic rate fell similarly from 4·7 to 4·0. It was in the South-East district that the fall was most marked. In that district, in the third quarter, the general rate had been 33·1, of which 12·2 was due to one or other of the seven zymotic diseases, and chiefly, as already said, to diarrhoea. These numbers fell to 26·9 and 2·8. The Hunslet rate fell to 17·6, Holbeck from 24·1 to 22·1, and Wortley was nearly the same, 19·3, Kirkstall rose slightly from 15·9 to 16·3, the zymotic diseases had fallen from 4·5 to 2·7. In Bramley, Chapeltown, and Osmondthorpe the rate was below 20, and the zymotic rate small.

The BAROMETER averaged higher during the quarter, and for several days at the end of October and beginning of November there was a disagreeable fog, recurring at intervals. The morning and afternoon temperatures fell from 63° to 47°, but the HUMIDITY rose from 64·9 to 82·9 per cent. of saturation. The mean of the HIGHEST READINGS was 18 degrees less than in the preceding quarter, and that of the lowest readings 12°. The DAILY RANGE was only 8·5, against 15·8, and the RAINFALL was slightly increased from 5·72 to 6·04. The conditions were those of anti-cyclone during the great part of the quarter, and were exceedingly favourable to the spread of measles, and exceedingly unfavourable to the recovery from the chest complications which accompany it. In regard to the prevalence of enteric fever I shall probably have to say something in a supplementary report. Further remarks upon the prevalence of diarrhoea I think it will be better to hold over for such report.

General remarks.—There is nothing in the history of the quarters, as detailed, to call for any special anxiety. There are weak points which make us prone to autumnal

diarrhoea, and which, notwithstanding the general excellence of our water supply, allow the frequent recurrence of typhoid fever in the fourth quarter. I think it will be better to leave my remarks upon these special things until I can place before you the complete history of typhoid in Leeds during the eight years I have been your Medical Officer.

J. SPOTTISWOODE CAMERON.

Post-script, July, 1898.

In order to bring the foregoing report up to the end of the financial year, as desired by the Council, it may be stated briefly that during the first quarter of 1898 the death-rate in Leeds was 19·4*, whilst that of the large towns was 20·6. The birth-rate during the same period was 30·5 in Leeds, and 31·3 in the large towns. The death-rate from the seven commoner zymotics during the quarter was 2·3, against 2·4 in the 33 towns.

In the first quarter of 1897 the death-rate in Leeds had been 20·1, a little higher than in the recent quarter. The zymotic death-rate in the first quarter of 1898 was 2·3, thus higher by one per thousand than in the corresponding quarter of 1897.

A table giving death-rates for each municipal ward and registration sub-district in the first quarter of 1898 will be found in the latter part of the report†, where, also, some information is given in regard to the work done during the first quarter of 1898 by the Ward Inspectors‡. Some of the tables of the Special Inspectors' work refer only to the year 1897.

* This rate differs slightly from that given in the Registrar-General's quarterly report. He credits us with a death-rate of 19·3 from all causes, and carried to two places of decimals, our zymotic rate is 2·28 on his figures, 2·30 on our own, his return for the 33 towns being 2·38. † E 6. ‡ p. 31.

Mortality in financial year 1897-8.—The mortality for the year ended April 2nd, 1898, may be obtained by taking the average of the three later quarters of 1897, whose mortality is calculated on a population estimated to the middle of 1897, and the first quarter of 1898, whose mortality is calculated on the population to the middle of the present year. It will be found to be 19.79. This includes 3.12 from the seven zymotics, 1.40 from consumption, 3.44 from bronchitis, pneumonia, and pleurisy, and 0.35 from other lung diseases, including influenza. These figures have been checked by calculating the population estimated by geometrical progression to the middle of the period, and there is no difference to the second decimal place, except from the bronchitic group, which becomes 3.445 instead of 3.443.

During the same period of time (*i.e.*, the financial year 1897-8) the average death-rate of the 33 large towns was 19.4, and their average death-rate from the seven zymotic diseases 3.04.

Mortality in the financial years 1894-8.—As the vital statistics in my reports have usually been made up to the Saturday nearest to the end of the calendar year, it is somewhat of a new departure to give the mortality for the financial year. On the opposite page there will be found, however, for the 209 weeks ended April 2nd, 1898, the mortality as calculated at the time for the several quarters of 13 or 14 weeks in the four years ended at that date, and also for the periods of 52 or 53 weeks respectively comprised in those years.

The death-rates for the several quarterly periods are calculated for the first three quarters of each financial year on the population estimated to the middle of the calendar year to which they belong, and for the fourth quarter upon the population estimated to the middle of the subsequent calendar year. There would be slight variations in the decimals if the

calculations were made to the middle of each quarter, but the figures for the 52 or 53 weeks of each of the four years are much the same as if the calculation of the death-rate had been made upon the population estimated to the middle of the financial year in each case.

Death-rates in Leeds in the years ended on the Saturdays nearest the end of March since 1894, with the notifications of infectious disease received. The same for the several quarters making up these (financial) years.

PERIOD.	Death-rate.	Notifications received. †
13 weeks ended June 30th, 1894	16·4	442 (May and June only).
13 „ „ Sept. 29th, 1894	16·3	483 (13 weeks).
13 „ „ Dec. 29th, 1894	20·1	523 (13 weeks).
13 „ „ Mar. 30th, 1895	24·7	326 (13 weeks).
52 „ „ „ „	19·4	1,774 (334 days only).
13 weeks ended June 29th, 1895	17·5	269 (13 weeks).
13 „ „ Sept. 28th, 1895	21·0	547 (13 weeks).
13 „ „ Dec. 28th, 1895	19·0	744 (13 weeks).
13 „ „ Mar. 28th, 1896	18·7	369 (13 weeks).
52 „ „ „ „	19·1	1,929 (52 weeks).
13 weeks ended June 27th, 1896	18·9	336 (13 weeks).
14 „ „ Oct. 3rd, 1896	18·4	785 (14 weeks).
13 „ „ Jan. 2nd, 1897	19·3	860 (13 weeks).
13 „ „ April 3rd, 1897	20·1	624 (13 weeks).
53 „ „ „ „	19·2	2,605 (53 weeks).
13 weeks ended July 3rd, 1897	16·8	492 (13 weeks).
13 „ „ Oct. 2nd, 1897*	22·0	747 (13 weeks).
13 „ „ Jan. 1st, 1898*	21·0	1,047 (13 weeks).
13 „ „ April 2nd, 1898	19·4	918 (13 weeks).
52 „ „ „ „	19·8	3,204 (52 weeks).

* Diarrhoea was very prevalent during the hot autumn of 1897, and was followed by a rather increased amount of typhoid fever. † See note p. 8.

Sickness during financial years 1894-98.—In the same table are given, for the same periods of time, the number of notifications of infectious disease received since notification became compulsory. The quarter ended June 30th, 1894, is an incomplete one, notification not having been compulsory during April of that year, and, correspondingly, the number of notifications received for the (financial) year ended March 30th, 1895, is for eleven months. The fact that the number of notifications has steadily increased each year is nearly as much an indication that the spirit of the Act is more fully complied with, as that there has been an increase in the number of cases of illness. The period during which notification has been compulsory has been too short to allow us to draw very definite conclusions from the number of cases.

J. S. C.

TABLE 1.
Annual deaths per 1,000 of the estimated population.

	All Causes.	Seven Zymotics.	Consumption.	Bronchitis, Pneumonia, Pleurisy.	Other Lung Diseases, without Influenza.
Five years, 1885-89 ... (261 weeks)	21·16	2·78	1·70	3·93	0·27
Five years, 1890-94 ... (261 weeks)	21·11	2·51	1·61	4·42	0·31
1895-96 (105 weeks) ...	19·67	2·46	1·52	3·79	0·22
Year 1897 (52 weeks)	19·97	2·79	1·44	3·58	0·20
1897 Increase on '95-6	0·30	0·33	...	...	...
„ Decrease „ '95-6	...	...	0·08	0·21	0·02
1897 Increase on '85-9	...	0·01	...	...	...
„ Decrease on '85-9	1·19	...	0·26	0·35	0·07

TABLE 2a.

Shewing the death-rates in the Nine Largest Towns of the United Kingdom, for the four years 1890-93, with the average of the same. (Registrar General's Figures.)

	Year 1890.	Year 1891.	Year 1892.	Year 1893.	Average of four years.
Edinburgh - -	20.0	21.6	19.4	19.7	20.2
London - -	20.3	21.4	20.6	21.3	20.9
Birmingham -	20.7	22.2	20.4	22.0	21.3
<i>Leeds</i> - -	22.6	22.9	19.8	22.3	21.9
Sheffield - -	24.9	23.9	20.8	22.3	23.0
Glasgow - -	25.3	25.3	22.7	23.4	24.2
Dublin - -	26.4	26.5	24.7	27.0	26.1
Manchester - -	30.6	26.5	23.8	24.9	26.4
Liverpool - -	23.6	27.0	29.3	27.4	26.8

TABLE 2b.

Shewing the death-rates in the Nine Largest Towns of the United Kingdom, for the four years 1894-97, with the average of the same.

	Year 1894.	Year 1895.	Year 1896.	Year 1897.	Average of four years.
London - -	17.8	19.8	18.6	18.2	18.6
Edinburgh - -	17.5	20.7	16.9	21.3	19.1
<i>Leeds</i> - -	17.9	20.5	18.8	19.9	19.3
Sheffield - -	17.8	20.5	19.3	21.2	19.7
Birmingham -	18.6	20.3	20.8	21.6	20.3
Glasgow - -	19.8	23.5	20.4	22.0	21.4
Manchester - -	20.4	25.2	22.6	23.1	22.8
Liverpool - -	23.9	28.8	22.7	24.4	24.9
Dublin - -	24.8	27.9	24.9	29.0	26.6

The corresponding table for the year 1897 and its several quarters is found at page 4 in the text.

TABLE 3.

Births and deaths registered in the City of Leeds in the periods of 13 weeks ended April 3rd, July 3rd, October 2nd, 1897, and January 1st, 1898. Deaths in age groups.

MORTALITY FROM ALL CAUSES AT SUBJOINED AGES.								
1	2	3	4	5	6	7	8	9
1897. Estimated population at these ages.	Regis- tered Births.	At all Ages.	Under 1 Year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 60.	60 and upwards.
		409,472	11,628	39,616	91,274	84,215	160,583	22,156
I. Quarter	3,355	2,050	473	279	80	95	582	541
II. Quarter	3,260	1,712	386	219	78	76	498	455
III. Quarter	3,167	2,245	1,010	274	67	75	446	373
IV. Quarter	3,130	2,141	585	428	97	97	524	410
52 weeks. . .	12,912	8,148	2,454	1,200	322	343	2,050	1,779

TABLE 4.

DEATHS PER ANNUM PER 1,000 LIVING.										
1	2	3	4	5	6	7	8	9	10	11
1897.	Birth- rate.	At all Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 60.	60 and upwds.	25 to 65	Over 65
I. Quarter	32.9	20.1	163	28.3	3.5	4.5	14.5	98.0	28.3	132.6
II. Quarter	32.0	16.8	133	22.2	3.4	3.6	12.4	82.4	26.4	108.1
III. Quarter	31.0	22.0	349	27.8	2.9	3.6	11.1	67.6	23.1	86.6
IV. Quarter	30.7	21.0	202	43.4	4.3	4.6	13.1	74.3	24.8	96.1
52 weeks . .	31.6	20.0	212	30.4	3.5	4.1	12.8	80.6	25.7	105.8

TABLE 5.

Mortality in Children under one year of age, during the 52 weeks of 1897.

	First Quarter.	Second Q. arter.	Third Quarter.	Fourth Quarter.	YEAR.
Calculated per 1,000 of the population under 1, estimated to the middle of 1897, on the supposition that the whole population of the city had increased at G.P. at the rate of 1.745 per cent. per annum, which was the rate of increase per annum between 1881 and 1891, and that the children bear the same proportion to the population as in 1891	163	133	349	202	212
Deaths under 1 per 1,000 births registered in same period	141	118	319	187	190
Deaths per 1,000 registered births, the latter averaged during each quarter preceding it, and the average of these for the year ...	149	119	310	182	190
Average rate by last method for five preceding years ...	156	164	218	168	177

TABLE 6.**Mortality from tuberculosis, 1897.**

1897.	Tuberculosis, general and undefined.	Phthisis.	Hydro- cephalous.	Tuberculous meningitis.	Tuberculous peritonitis.	Tabes mesenterica.	Scrofula.	TOTAL.
I. Quarter	20	160	4	16	6	26	1	233
II. do. ...	24	143	1	24	9	13	1	215
III. do. ...	36	135	4	34	11	35	—	255
IV. do. ...	22	151	5	17	10	25	—	230
Year (52 weeks)...	102	589	14	91	36	99	2	933
Annual death- rate, 52 weeks of 1897 ...	0·25	1·44	0·03	0·22	0·09	0·24	0·00	2·29

TABLE 6b.

Shewing death-rates per 1,000 living, under and over the age of five, from all diseases of the breathing organs, including consumption.

	I.	II.	III.	IV.	YEAR.
Under 5 ...	13·24	10·11	5·48	26·24	13·77
Over 5 ...	5·24	4·13	2·72	3·84	3·99
All ages ...	6·25	4·88	3·07	6·65	5·21

TABLE 6c.

Shewing death-rates at the estimated population under and over the age of five years for each quarter of the year 1897, for the year, and for the three preceding years, from several groups of lung affections.

	1894.			1895.			1896.			1897.									
	YEAR.			YEAR.			YEAR.			I.		II.		III.		IV.		YEAR.	
	-	+	5	-	+	5	-	+	5	-	+	-	+	-	+	-	+	-	+
Bronchitis ...	7.76	1.09	...	8.25	1.65	...	6.94	1.34	...	6.42	2.26	5.17	1.45	3.29	0.59	13.71	1.31	7.15	1.40
Broncho-pneumonia ...	4.00	0.12	...	4.07	0.09	...	4.01	0.15	...	3.92	0.15	2.82	0.10	1.02	0.06	8.30	0.11	4.01	0.10
Pneumonia ...	1.92	0.47	...	2.15	0.49	...	2.17	0.84	...	1.65	0.86	1.25	0.89	0.86	0.52	2.90	0.56	1.66	0.71
Pleuro-pneumonia ...	0.02	0.04	...	...	0.02	...	0.02	0.04	...	0.08	0.01	...	0.01	...	0.01	...	0.01	0.02	0.01
Pleurisy ...	...	0.07	...	...	0.04	...	0.06	0.06	...	...	0.03	...	0.03	...	0.03	...	0.02	...	0.03
Other lung diseases*	0.41	0.17	...	0.59	0.14	...	0.23	0.13	...	0.39	0.19	0.16	0.08	0.16	0.06	0.55	0.13	0.31	0.11
Non-tuberculous respiratory diseases†	14.11	1.97	...	15.07	2.42	...	13.43	2.56	...	12.46	3.51	9.39	2.55	5.33	1.27	25.46	2.15	13.16	2.37
Laryngitis ...	0.49	0.05	...	0.26	0.01	...	0.23	0.02	...	0.31	0.01	0.47	0.01	0.16	...	0.55	0.03	0.37	0.01
Phthisis ...	0.29	1.66	...	0.39	1.72	...	0.35	1.66	...	0.47	1.73	0.24	1.57	...	1.51	0.24	1.66	0.23	1.62

* Non-tuberculous and exclusive of group, laryngitis, and influenza, and the groups in lines above. † Exclusive of phthisis, group and laryngitis.

TABLE 17.

Shewing the deaths of persons under and over five from certain causes and groups of causes.

1897.				Thirteen weeks ended April 3rd, 1897.		Thirteen weeks ended July 3rd, 1897.		Thirteen weeks ended Oct. 2nd, 1897.		Thirteen weeks ended Jan. 1st, 1898.		Fifty-two weeks ended Jan. 1st, 1898.		Total.
				-	+	-	+	-	+	-	+	-	+	All ages
				5	5	5	5	5	5	5	5	5	5	
Smallpox				...	...	...	...	...	...	...	...	...	...	...
Measles				34	...	25	...	22	1	77	6	158	7	165
Scarlatina				22	9	12	3	10	4	21	14	65	30	95
Diphtheria				9	6	2	7	3	3	11	10	25	26	51
Croup (membranous & undefined)				10	1	10	...	2	1	14	2	36	4	40
Whooping-cough				18	...	12	...	16	1	48	3	94	4	98
Continued fever.	{ Typhus			...	...	...	...	...	...	...	...	...	...	...
	{ Enteric			...	13	...	12	1	16	2	39	3	80	83
	{ Other or doubtful			...	...	...	...	...	1	1	...	1	1	2
Diarrhoea and dysentery ..				4	1	11	1	562	29	30	5	607	36	643
Cholera				...	...	...	...	...	1	...	...	...	1	1
Rheumatic fever				...	...	...	4	...	...	...	2	...	6	6
Acute and sub-acute rheumatism				1	4	...	8	...	4	1	4	2	20	22
Erysipelas... ..				1	1	2	4	2	3	3	4	8	12	20
Pyæmia				1	4	...	2	...	3	...	1	1	10	11
Puerperal fever				...	7	...	3	...	1	...	4	...	15	15
Ague				...	1	...	...	...	...	...	...	...	1	1
Phthisis				6	154	3	140	...	135	3	148	12	577	589
Other tuberculous diseases ...				53	20	49	23	96	24	62	17	260	84	344
Bronchitis, pneumonia, and pleurisy				154	296	118	221	66	108	318	180	656	805	1461
Other diseases of the air-passages				9	18	8	8	4	5	14	15	35	46	81
Influenza				...	11	1	23	...	5	1	7	2	46	48
Heart disease				...	138	1	126	1	124	2	143	4	531	535
Other diseases of the circulatory system				...	12	...	4	...	7	...	8	...	31	31
Injuries				15	50	18	58	11	41	13	58	57	207	264
Other causes				415	552	333	460	488	444	392	458	1628	1914	3542
Total under 5				752		605		1284		1013		3654		
Total over 5				...	1298		1107		961		1128		4494	
TOTAL ALL AGES				2,050		1,712		2,245		2,141		8,148		8148

TABLE 18.

Shewing death-rate per 1,000 of the estimated population from certain causes, and for the periods of time dealt with in the preceding table.

1897.	I.	II.	III.	IV.	Year.
Smallpox	...	..	...	...	...
Measles	0'33	0'25	0'23	0'81	0'40
Scarlatina	0'30	0'15	0'14	0'34	0'23
Diphtheria	0'15	0'09	0'06	0'21	0'13
Croup (membranous & undefined)	0'11	0'10	0'03	0'16	0'10
Whooping-cough	0'18	0'12	0'17	0'50	0'24
Continued fever. {	Typhus	...	...	...	...
Enteric	0'13	0'12	0'17	0'40	0'20
Other or doubtful	...	...	0'01	0'01	0'00
Diarrhoea and dysentery ...	0'05	0'12	5'79	0'34	1'58
Cholera	...	...	0'01	..	0'00
Rheumatic fever	...	0'04	...	0'02	0'01
Acute and sub-acute rheumatism	0'05	0'08	0'04	0'05	0'05
Erysipelas	0'02	0'06	0'05	0'07	0'05
Pyæmia	0'05	0'02	0'03	0'01	0'03
Puerperal fever	0'07	0'03	0'01	0'04	0'04
Ague	0'01	...	...	...	0'00
Phthisis	1'57	1'40	1'32	1'48	1'44
Other tuberculous diseases ...	0'72	0'71	1'18	0'77	0'84
Bronchitis, pneumonia, and pleurisy	4'41	3'32	1'71	4'88	3'58
Other diseases of the air-passages	0'26	0'16	0'09	0'28	0'20
Influenza	0'11	0'24	0'05	0'08	0'12
Heart disease	1'35	1'24	1'23	1'42	1'31
Other diseases of the circulatory system	0'12	0'04	0'07	0'08	0'08
Injuries	0'64	0'75	0'51	0'70	0'65
Other causes	9'48	7'77	9'13	8'33	8'68
ALL CAUSES	20'09	16'78	22'01	20'99	19'97

For deaths and death-rates from these groups in the first quarter of 1898, see table A, part 7, p. 52.

TABLE 19.

Table shewing deaths in the four quarters of 1897, for each Municipal Ward, with the estimated population and the death-rate of the ward for the Year.

MUNICIPAL WARDS.	Population, estimated to middle of 1897.	First Quarter, 1897.	Second Quarter, 1897.	Third Quarter, 1897.	Fourth Quarter, 1897.	Fifty- two Weeks.	Death- rate.
Central	22,786	111	104	122	126	463	20·4
North	38,692	157	133	177	173	640	16·6
North-East	25,470	146	133	204	189	672	26·5
East	26,796	141	133	230	192	696	26·1
South	17,043	91	91	122	84	388	22·8
East Hunslet ...	27,883	150	123	166	137	576	20·7
West Hunslet ...	28,537	131	91	120	116	458	16·1
Holbeck	24,143	155	118	149	129	551	22·9
Mill Hill	8,002	41	40	52	27	160	20·1
West	25,163	141	120	152	154	567	22·6
North-West	30,793	150	102	133	182	567	18·5
Brunswick	23,880	88	72	87	102	349	14·7
New Wortley ...	19,656	94	72	113	100	379	19·4
Armley & Wortley	31,710	158	134	143	156	591	18·7
Bramley	20,441	97	76	82	76	331	16·3
Headingley	38,477	150	133	148	154	585	15·3
Outsiders	...	49	37	45	44	175	
Totals	409,472	2,050	1,712	2,245	2,141	8,148	20·0

For deaths and death-rates in first quarter of 1898, see table E, part 6.

TABLE 20.

Shewing the number of deaths from certain causes and groups of causes in the 52 weeks of 1897 in the Sub-Registration Districts in the City of Leeds. All deaths in public institutions within the City of persons belonging to the City have been referred to the Sub-District to which they belonged.

	Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping-cough	Fever.	Diarrhoea.	All Seven.	Croup.	Phthisis.	Influenza and Diseases of the Air-Passages other than Consumption.	All other Causes.	All Causes.
Leeds, North	...	58	26	6	29	17	124	260	8	127	292	749	1436
„ West ...	...	37	15	20	23	15	103	213	10	112	324	961	1620
„ South-E.	...	19	11	3	9	6	93	141	2	74	197	482	896
Hunslet ...	...	14	14	5	8	14	119	174	4	88	221	728	1215
Holbeck	...	6	1	2	4	5	48	66	6	28	110	392	602
Wortley...	...	14	9	5	9	11	83	131	8	59	228	602	1028
Kirkstall	...	9	9	7	12	12	38	87	1	32	103	353	576
Bramley...	...	6	...	...	2	2	16	26	1	28	49	169	273
Chapelton...	...	2	10	2	2	1	19	36	...	23	57	205	321
Osmondthorpe	...	...	...	...	...	...	...	...	...	...	1	5	6
City of Leeds	..	165	95	50	98	83	643	1134	40	571	1582	4646	7973

One death from diphtheria, 2 from fever, 18 from phthisis, 8 from influenza and other diseases of the air-passages other than consumption, and 146 deaths from other causes, occurred in the City of persons not belonging to Leeds.

In table A, part 7, will be found the deaths in the several registration districts from the above disease groups for the first quarter of 1898. In that table, however, deaths in public institutions have not been allocated. In table E, part 6, the deaths and death-rates, after allocation of hospital deaths, will be found for the same quarter.

TABLE 21.

Shewing the mortality stated in deaths per 1,000 of the population of the Sub-Districts, as estimated to the middle of 1897.

Deaths in institutions allocated.

	Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping-cough.	"Fever."	Diarrhoea.	All Seven.	Croup.	Phthisis.	Influenza and Diseases of the Air-Passages, other than Consumption	All Other Causes.	All Causes.
Leeds, North	...	0·93	0·42	0·10	0·47	0·27	1·99	4·18	0·13	2·04	4·70	12·05	23·10
„ West	...	0·43	0·18	0·23	0·27	0·18	1·21	2·50	0·12	1·32	3·81	11·29	19·03
„ S. E.	...	0·56	0·32	0·09	0·26	0·18	2·73	4·14	0·06	2·17	5·78	14·16	26·31
Hunslet	...	0·22	0·22	0·08	0·12	0·22	1·84	2·69	0·06	1·36	3·42	11·26	18·80
Holbeck	...	0·22	0·04	0·07	0·15	0·19	1·80	2·47	0·22	1·05	4·11	14·68	22·53
Wortley	...	0·25	0·16	0·09	0·16	0·20	1·50	2·37	0·14	1·07	4·12	10·88	18·58
Kirkstall	...	0·24	0·24	0·19	0·32	0·32	1·02	2·34	0·03	0·86	2·77	9·48	15·47
Bramley	...	0·37	...	...	0·12	0·12	0·99	1·60	0·06	1·73	3·02	10·41	16·82
Chapelton	...	0·08	0·38	0·08	0·08	0·04	0·73	1·38	...	0·88	2·18	7·84	12·28
Osmondthorpe	...	...	...	...	...	...	...	...	...	...	2·30	11·48	13·78
City of Leeds	...	0·40	0·23	0·12	0·24	0·20	1·58	2·78	0·10	1·40	3·88	11·39	19·54

One death from diphtheria, 2 from fever, 18 from phthisis, 8 from influenza and other diseases of the air-passages other than consumption, and 146 deaths from other causes, occurred in the City of persons not belonging to Leeds.

DEPARTMENTAL WORK.

CHANGES IN STAFF, 1897-98.

Mr. Joseph Marsden was on the 11th of February appointed Meat Inspector in place of Mr. J. W. Coates, who had resigned a month earlier.

Mr. Thomas Borrás, the Sub-Inspector for the West Ward, having been appointed as Relieving Officer to the Leeds Board of Guardians, resigned his position on April 29th.

About this time Mr. Thomas Booker, Sub-Inspector for the Holbeck Ward, was changed to West Hunslet, and Inspector Turner, who had charge of that Ward, took the Holbeck Ward for a short time. On Mr. Borrás's retirement from the West Ward, Mr. Turner was transferred to that district, and Mr. Geo. Sainsbury was appointed to Holbeck, 13th May. He had previously been a foreman bricklayer at Stockport, and holds the diploma of the Sanitary Institute.

Mr. William Burton, Canal Boats Inspector, died on the 27th September, 1897. Mr. Burton had been in the service of the Corporation for some 26 years; for seven years he was in the Scavenging Department, first as night foreman, then as day foreman, and afterwards as night superintendent of ashpit emptying. He was transferred to the Health Department in 1878, and took charge, in the first instance, amongst other things, of houses let in lodgings. In 1888 he was made also Canal Boats Inspector. At about the same time he was charged with the duty of reporting upon the cubic space and other sanitary conditions of common lodging houses. He was an exceedingly valuable man, kept his canal books in a most excellent manner, and was frequently entrusted with special work, such as the examination of the various streams for pollutions. He accompanied Mr. Newhouse in an important survey of the pollutions of the River Aire. He had charge for a time of the Sanatorium Cottages at Manston, when they were first erected. He was always willing and

reliable, but unfortunately his health gave way; he died ultimately of consumption at the age of fifty-four years. He had the esteem of all his colleagues in the department.

The Committee sustained a serious loss on March 19th, 1897, in the death of Mr. James Hanford. Mr. Hanford had suffered in his health and from depressed spirits for some months before, and died under very painful circumstances. For 17 years he had been superintendent of the streets cleansing sub-department, and took great interest in his work. This important position he had occupied since the street scavenging was taken over by the Corporation from the Contractors, and under his management many improvements had been effected in the way of accomplishing the work. Before that he had served the Corporation as an assistant Sanitary Inspector, having been, just before his appointment to the cleansing department, charged with the inspection of food and drugs. Before that he was in the police.

In 1869 the late Mr. Newhouse, at that time an inspector of police, was appointed to certain sanitary duties. He brought with him some seven constables, and they and he, while still nominally members of the force, discharged the comparatively new duties of sanitary inspectors. Mr. Hanford and Mr. Thornber* were two of the six. In 1874 the police and sanitary duties were entirely separated, and these officers came entirely under the control of the Sanitary Committee.

Mr. Darley was temporarily appointed to the care of both cleansing sub-departments, and on October 6th, 1897, the Council approved of the arrangement made by the Sanitary Committee, by which Mr. Darley became manager of the whole cleansing staff, by which Mr. Wood, of Islington, was appointed his deputy, and by which a re-arrangement was made so that one foreman should, with certain necessary exceptions, be responsible for the cleansing of both streets and ashpits in each ward of the city.

* See Supplementary Report 1896-7, page 108.

TABLE I.
Table of Ward Inspectors' Work. Year 1897 and the First Quarter of 1898.

		Quarters.				City	
		I.	II.	III.	IV.	Total	
		1897.					
		1898.					
		I.					
HOUSE INSPECTION.							
1.	Houses and premises completely examined on account of	837	722	1440	1627	4635	1201
2.	{ Infective disease	199	308	348	482	1337	491
3.	{ Alleged nuisances	1238	1094	562	472	3366	612
4.	Houses and premises examined	311	310	304	280	1205	287
5.	{ Occupants	559	1049	979	1049	3636	1127
6.	{ Buildings and Offices	645	787	853	1096	3381	1123
7.	{ Drainage	3789	4270	4495	5006	17560	4841
7.	Number of houses wholly or partly examined						
8.	Total number of above houses where sanitary defects were found	1706	1673	1700	1872	6951	1863
9.	Sanitary defects found in above houses	1677	1568	1656	1962	6863	1858
NUISANCES, &c.							
10.	Houses dirty	128	123	114	126	491	90
11.	" overcrowded	102	71	106	85	364	81
12.	" damp or dilapidated	154	91	72	116	433	76
13.	" with defective eave-gutters or fall pipes	138	160	144	115	557	134
14.	" badly drained	662	452	609	782	2505	782
15.	" without sink-drain	21	13	18	16	68	10
16.	" badly lighted	3	1	1	1	5	1
17.	" badly ventilated	..	3	1	..	4	15
18.	" with defective or insufficient closet accommodation	734	1117	1122	948	3921	832
19.	" with dirty closets	561	527	340	355	1792	389
20.	" with drains, &c., temporarily stopped	302	333	302	202	1239	311
21.	" with other nuisances	420	452	402	468	1742	488
22.	Total nuisances found in houses	3225	3348	3240	3304	13131	3208
23.	No. of houses in which above nuisances were found	365	3708	3566	3578	14503	3397
24.	Street gullies stopped	587	799	578	553	2517	251
25.	Offensive accumulations	52	50	53	62	217	56
26.	Other outside nuisances	201	206	181	157	745	123
27.	Total nuisances found	4065	4397	4082	4076	16620	3638
28.	Complaints unfounded	21	24	32	15	92	15
OTHER WORK DONE.							
29.	Additional visits	1384	996	1287	2302	5969	2751
30.	Nuisances found	2060	2042	1932	1966	7964	1964
31.	Completion of Reports	116	126	84	101	427	100
32.	Other causes	2174	2128	1486	1939	7727	2087
OTHER WORK DONE (continued).							
33.	Special examinations of drains by tests	503	454	838	855	2650	1035
34.	Defects found by ditto	439	208	351	605	1603	702
37.	Appointments	239	183	213	298	933	343
38.	Notices and letters served	68	33	42	37	180	49
39.	Dwelling houses unfit for human habitation closed	4	3	..	..	7	..
40.	Dwelling houses rendered fit for human habitation	6	1	..	4	11	..
41.	Houses cleaned	123	119	86	66	424	71
42.	Overcrowded houses dealt with	90	65	50	87	292	52
43.	Defective spouting, &c., repaired	179	192	232	138	701	105
44.	New middle privies built	2	1	2	2	7	1
45.	Old middle privies repaired	20	24	22	8	74	11
46.	Do. rebuilt	..	4	..	..	4	..
47.	Privies converted into trough water closets	28	50	50	70	198	53
48.	Do. ordinary water closets	48	39	59	81	227	106
49.	Water closets erected	10	13	15	50	88	15
50.	New dry ashpits or tubs	58	53	43	69	223	93
51.	New trough water closets built	5	33	32	40	110	40
52.	Pail closets converted into water closets	27	88	54	16	105	25
53.	Do. altered into privies	..	..	..	2	2	2
54.	Closets cleansed (lime-washed, &c.)	456	392	276	297	1427	225
55.	Drains in course of construction	344	238	272	228	1082	441
56.	" of reconstruction	476	496	463	547	2082	671
57.	" inspected when connection made to sewer	29	93	76	68	356	118
58.	Disconnections of house drains effected	666	511	547	799	2523	852
59.	Cess-pools filled up	5	1	..	2	8	9
60.	Public or private wells abolished	..	3	..	1	6	4
61.	Houses supplied with town's water	357	350	380	414	1501	332
62.	Trough and water closets repaired	812	620	594	687	2713	654
63.	Other houses: nuisances remedied	3505	3664	3047	3394	13600	3334
64.	Total houses for which above work done	2757	2856	2167	2128	9668	1643
65.	Houses in which all defects found have been remedied	518	508	445	584	2055	279
66.	Street gullies cleansed	59	41	66	68	244	61
67.	Offensive accumulations removed	21	36	6	7	70	..
68.	Pollutions of river or streams remedied	168	65	64	127	454	43
69.	Other non-domestic nuisances removed	2849	2310	2672	3271	11102	4668
70.	Additional visits paid to inspect work in progress	3790	3504	3273	3676	14443	3337
71.	Total nuisances abated	..	..	..	..	..	..

TABLE II—continued.

[illegible]

TABLE III.

Shewing the number of drains or sources of pollution diverted from the River Aire and its tributaries and connected to the town sewers.

DATE.	Mill, factory, house drains, stables, and pigstyes.	Water Closets.	Privies.	Trade pollu- tions.	Total.
Previous to Jan. 2nd, 1897	5,153	236	232	25	5,646
During the 52 weeks end- ed Jan. 1st, 1898	106	92	...	...	198
Totals	5,259	328	232	25	5,844

TABLE IV.

Shewing the sanitary condition of workshops on register, and occupied during the 52 weeks ended January 1st, 1898.

DATE. 1897.	Visits to Workshops.	EMPLOYEES.			VENTILA- TION.		CONDITION OF PREMISES.				Workshops closed.
		Male.	Female.	Total.	Good.	Defect- ive.	Rooms.		Closets.		
							Clean.	Dirty.	Clean.	Dirty.	
4 weeks ended Jan. 30	7	143	100	243	6	1	6	1	6	1	39
4 weeks ended Feb. 27	20	108	66	174	16	4	14	6	14	6	6
5 weeks ended April 3	53	266	209	475	49	4	26	26	21	32	25
4 weeks ended May 1	9	76	62	138	5	4	5	4	3	6	4
4 weeks ended „ 29	22	139	86	225	22	...	16	6	16	6	5
5 weeks ended July 3	25	114	91	205	17	8	17	8	16	9	7
4 weeks ended „ 31	61	361	273	634	61	...	38	23	35	26	4
4 weeks ended Aug. 28	9	43	34	77	9	...	5	4	5	4	8
5 weeks ended Oct. 2	130	505	1,097	1,602	130	...	119	11	109	21	10
4 weeks ended „ 30	9	33	22	55	9	...	9	...	9	...	8
4 weeks ended Nov. 27	23	66	35	101	23	...	13	10	10	13	7
5 weeks ended Jan. 1 1898.	67	230	289	519	67	...	29	38	29	38	11
Total	435	2,084	2,364	4,448	414	21	297	138	273	162	134

TABLE V.

Shewing the number of workshops not previously visited, to which visits have been paid, and the sanitary arrangements at time of visit.

DATE. 1897.	Workshops added to register.	DESCRIPTION OF DRAINAGE.				SITUATION OF CLOSETS.				Workshops closed.
		Cut off.	Not cut off.	Without.	Inside.		Outside.			
					W.C. soil-pipe carried up.	W.C. soil-pipe not carried up.	W.C.	Privies.		
4 weeks ended Jan. 30	18	11	1	6	8	2	7	1	1	
4 weeks ended Feb. 27	7	6	...	1	5	...	2	2	..	
5 weeks ended April 3	33	10	11	12	9	...	20	4	2	
4 weeks ended May 1	12	6	...	6	6	...	6	...	2	
4 weeks ended „ 29	7	2	1	4	1	...	5	1	2	
5 weeks ended July 3	20	10	...	10	8	...	10	2	...	
4 weeks ended „ 31	3	1	...	2	1	...	2	...	...	
4 weeks ended Aug. 28	19	10	2	7	7	...	9	3	4	
5 weeks ended Oct. 2	7	1	1	5	...	...	6	1	6	
4 weeks ended „ 30	28	12	4	12	10	1	13	4	4	
4 weeks ended Nov. 27	20	6	4	10	6	...	10	4	3	
5 weeks ended Jan. 1898.	5	2	1	2	2	...	2	1	5	
Total	179	77	25	77	63	3	91	22	29	

OTHER WORK OF WORKSHOPS INSPECTOR.

In addition to the work shewn in tables IV. and V., 928 additional visits were paid to workshops, and 947 to factories, as follows:—On account of infectious diseases 35 visits were made to workshops and 101 to factories; for wage enquiry 5 and 8 respectively. Additional visits, 159 and 256 were made for drain and closet inspection; 21 and 48 for drain testing; 109 and 153 in regard to complaints; 295 and 163 respectively on account of non-abatement of

nuisances; 304 and 187 visits were made for other causes; and 31 visits were made to factories in regard to rivers pollution. He also assisted to test drains on 28 occasions. Nuisances were abated in workshops to the number of 144, and 171 in factories, not including 61 river pollutions abated at the latter.

BAKEHOUSES.

The following visits have been made to bakehouses by the Ward inspectors during the year 1897. Central Ward 46 visits to 34 bakehouses; North 73 to 38; North-East 63 to 32; East 48 to 12; South 30 to 8; East Hunslet 59 to 16; West Hunslet 15 to 8; Holbeck 18 to 6; Mill Hill 36 to 16; West 24 to 10; North-West 16 to 12; Brunswick 96 to 28; New Wortley 41 to 11; Armley and Wortley 23 to 9; Bramley 55 to 13; Headingley 26 to 18. Total, 669 visits to 271 bakehouses.

HOUSE REFUSE.

TABLE VI.

Ashpits inspected during the 52 weeks ended
January 1st, 1898.

Number of inspections of ashpits	Requisitions to cleanse sent to Refuse Removal Department from Sanitary Office.	Number of latter returned as carried out.	Ashpits not cleanse.d within four days of requisition.	Condition of ashpits generally.
65,049	9,021	8,895	254	Good.

TABLE VII.

No. of middens emptied.	No. of dry ashpits or tubs emptied.	No. of boxes or pails emptied.	Total.	LOADS REMOVED.			Total.
				Night-soil.	Dry ashes.	Rubbish.	
91,284	351,212	85,260	527,756	30,745	90,074	26,259	147,078

DESTRUCTORS.

At Armley Road 25,370 loads of rubbish, weighing 24,445·3 tons (0·96 tons or 19·3 cwts. a load) were destroyed in 16 cells of the destructor during 301 working days, being an average of 5·1 tons per cell-day. The highest observed temperature was 1,500° Fahr.; the lowest 550°; average 1,404°. The pyrometer does not register above 1,500°. There were 7,224 observations taken.

At Kidacre Street 18,911 loads of rubbish, and weighing 19,126·5 tons (1·00 tons, or 20 cwts. a load) were destroyed in 12 cells during 302 working days, being an average 5·3 tons per cell-day. There were 7,248 temperature observations taken, the readings averaging 1,253° Fahr.; the highest was 1,500°; the lowest 450°. Pyrometer as at Armley Road.

At Meanwood Road 16,194 loads of rubbish, weighing 15,088·4 tons (0·93 tons, or 18·6 cwts. a load), were destroyed in eight cells during 303 working days, being an average of 6·2 tons per cell-day. No observations of temperature were taken.

During the quarter ended March 25th, 1898, 16,785 loads of rubbish, weighing 15,778·2 tons, or an average of '94 tons a load, were destroyed at the four destructors.

The destructor at Beckett Street was not working during the year 1897, but commenced working during the first quarter of 1898.

The quantity of rubbish burned during the financial year was, therefore, 57,387·8 tons.

STREET CLEANSING.

Mr. Darley reports that during 312 working days 191,973 streets were cleansed, an average of 615 per day. The cleansing of gullies was equivalent to cleansing 136,927, or an average of 438 per day. In addition to this, 42,432 loads of street refuse were carted away and deposited.

The number of horse-days for street cleansing was 19,344, and for watering 3,570, being an average of 62 and 30 respectively.

The cost of street watering amounted to £2,051 14s. 8d., for street cleansing £16,399 13s. 1d., and for snow removal £608 10s. 4d.; together making a total cost of £19,059 18s. 1d.

The return for the quarter ended March 24th, 1898, shews that work equivalent to cleansing 64,370 streets, and 49,084 gullies was done. It will be noted that during this quarter an amount of work was done rather above the quarterly average in the way of street cleansing.

During the last few weeks of 1897 (that is from November 12th), four extra sweeping machines, each accompanied by a cart, necessitating, therefore, two horses and two drivers, and each followed by four other men (three "channellers" and one "filler"), were put on, and they continued to work during the first quarter of 1898. On the 28th January four other machines, with the same complement of men and horses, were put on and worked to the end of the quarter.

The greater part of this extra work was of course done in the first quarter of 1898, but some of it appears in the table above given for 1897. The whole of this extra work comes, however, into the financial year ended March 25th, 1898, and is equivalent to the working of one machine with its complement of cart, horse, channellers, and filler for 108 weeks, at an approximate cost of £8 16s. per week, or £950 for the 108 weeks. Although this work was spread over a longer period, the eight new machines may be regarded as if they had worked together for 14 weeks.

Regarded, then, solely in connection with the financial year, the work done corresponds to the cleansing of 222,126 streets and 162,171 gullies, at a total cost of £19,736—the increase of course being largely accounted for by these extra machines.

TABLE VIII.

Shewing work in connection with the Cowsheds and Dairies order, 52 weeks ended January 1st, 1898.

Cowsheds on the register	..	...	...	267
Milksellers	„	...	...	597
Visits to both	...	...	...	1,135
Applications for registration (milkshops)	...	...	...	16
Cowkeepers registered	...	...	...	2
Milkdealers	„	...	...	47
New cowsheds erected	...	...	...	1
Cowsheds re-constructed	...	...	...	2
„ properly drained	...	...	...	4

A table (VIII. a) is given in the supplementary report for 1896 and part of 1897, shewing work done during the latter year by the Ward Inspectors in testing the drains of milkshops and the results obtained. The table is more conveniently given in the supplementary report referred to, as mention is made of it in dealing with the localization of typhoid fever in 1897.

TABLE IX.

Samples of food sent to the City Analyst for examination during the 52 weeks ended January 1st, 1898.

Article.	Genuine.	Poor in quality.	Adulterated.	Total.	Summoned.	Convicted.	Dismissed.
Milk	112	83	8	203	6	6	...
Butter	6	1	17	24	9	9	...
Cheese	2	...	...	2	...	...	...
Flour	2	...	...	2	...	...	...
Tinned peas ...	...	...	1	1	...	...	...
Tinned beans ...	...	...	1	1	...	...	...
Glycerine ...	3	...	...	3	...	...	...
Castor oil ...	1	...	...	1	...	...	...
Arsenical soap ...	...	...	1	1	...	...	...
Total ...	126	84	28	238	15	15	...

TABLE IXa.

Summonses issued under the Sale of Food and Drugs Acts, 1875—9, and the Margarine Act, 1887, during the year 1897.

No. of Sample.	Article.	Percentage of Adulteration.				Fines.			Remarks.
						£	s.	d.	
31	Milk ...	18%	added water	...	...	0	10	0	
39	Do. ...	22%	do.	...	...	0	10	0	
41	Do. ...	10%	do.	...	...	0	10	0	
118	Do. ...	27%	do.	...	...	5	0	0	Second conviction
183	Do. ...	18%	do.	...	...	10	0	0	Fourth conviction
217	Do. ...	18%	do.	...	...	2	0	0	
						£18	10	0	
	The Margarine Act, 1887.								
19	Butter ...	59%	foreign fat	...	...	0	5	0	
28	Do. ...	71%	do.	...	...	10	0	0	Second conviction
38	Do. ...	88%	do.	...	...	2	0	0	
42	Do. ...	52%	do.	...	...	5	0	0	Wholesale dealers
64	Do. ...	80%	do.	...	...	0	1	0	
156	Do. ...	82%	do.	...	...	1	0	0	
158	Do. ...	73%	do.	...	...	5	0	0	
180	Do. ...	73%	do.	...	...	2	0	0	
199	Do. ...	77%	do.	...	...	10	0	0	Second conviction
						£53	16	0	

**TABLE X.**

**Slaughter House and Meat Inspection, Fifty-two Weeks
ended January 1st, 1898.**

Class of Meat seized and des- troyed.	Weight in stones of 14 lb.	No. of seizures.	No. of persons sum- moned.	No. of convic- tions.	Penalties.
Beef	38	1	1	1	£20 os. od.

The Meat inspectors have paid 22,301 visits to 118 registered slaughter houses during the year, and 1,753 stones weight of meat and fish, 2 cases of eggs, and 16 baskets of cherries were destroyed by the owners.

TABLE XI.

Smoke Inspector's Report, 1897.

Complaints received	...	...	...	...	...	10
Furnaces inspected	...	...	...	...	...	9,033
Observations taken of chimneys (for a period of sixty minutes each)	...	...	...	...	...	1,843
Average minutes' dense smoke emitted during each observation	...	...	...	...	...	1'24
Total number of minutes' dense smoke	...	...	...	...	...	2,283
Smoke prevention appliances adapted to furnaces	...	...	...	...	...	101
Chimneys newly erected	...	...	...	...	...	27
Furnaces in connection with new chimneys	...	...	...	...	...	56
Notices served upon manufacturers	...	...	...	...	...	10
Do. do. stokers	...	...	...	...	...	28
Persons summoned before the magistrates	...	...	...	...	...	1
Do. convicted	...	...	...	...	...	1
Total amount in fines	..	..	..	..	£1 os. od.	

TABLE XII.
Work done by Disinfecting Staff, 1897.

Houses disinfected	...	...	...	...	2,478
Rooms disinfected (stripped 448, limewashed 456)	10,263				
Beds and mattresses disinfected	...	...			8,657
Articles of bed clothing disinfected	...	...			22,234
Articles of wearing apparel disinfected	...				53,454
Miscellaneous articles	...	...	...	...	13,859

TABLE XIII.
Cases Removed to Hospital by our own Staff.
 Classified according to diseases as originally certified.

Small-pox.	Scarlet fever.	Diphtheria.	Typhus fever.	Enteric fever.	Other diseases.	Total, 1897.
—	570	5	2	169	5	751

In addition to the above, 340 persons have been removed to Gildersome Home, 520 to Manston Cottages, 86 to Beckett Street, 49 to Manston Hall, and 26 from Manston Hall to Fever Hospital. Total removals, 1,772.

FLUSHING.

During the 52 weeks of the year six carts, each with two attendants, have been employed flushing house drains. In this period 30,948 house drains, 7,717 water closets, and 45,759 outside drains have been flushed, making a total of 84,424.

In addition to this, two men have been employed putting an iron solution into tanks connected with the sewers, and in this manner 20,180 gallons of disinfecting solution have been allowed to trickle into certain of the sewers.

TABLE XIV.

Return for the 52 weeks ended January 1st, 1898,
of patients in hospital.

	1 Small-pox.	2 Scarlet Fever.	3 Diphtheria.	4 Typhus Fever.	5 Enteric, or Typhoid Fever	6 Other or doubtful cases.	7 Total.
No. in Hospital on Saturday, January 2nd, 1897 ...	...	63	...	3	17	6	89
No. since admitted ...	...	580	3	1	139	41	764
No. discharged ...	...	569	2	4	114	36	725
No. died ...	...	27	1	...	14	4	46
No. remaining in Hospital, Jan. 1st, 1898 ...	...	47	...	...	28	7	82

TABLE XV.

Canal Boats.

Registered during the year 1897 ...	...	...	...	7
Transfers to fresh owners ...	...	...	...	3
Struck off register ...	...	...	...	1
Number on register, January 1st, 1898 ...	...	...	...	326
Visits of inspection ...	...	...	...	147

TABLE XVI.

Houses Let in Lodgings.

Registered during the year 1897 ...	...	...	...	—
Struck off register, removals, &c. ...	...	...	...	—
Number on register, January 1st, 1898 ...	...	...	...	19
Visits of inspection ...	...	...	...	9

TABLE XVII.

Other work of Temporary Dwellings' Inspector,
1897.

Visits of inspection to vans	155
" " tents	4
" " common lodging-houses	22
" " overcrowded houses	82
" as to drainage	33
" " pollutions of river Aire, &c.	3
" " bakehouses	13
" " suspected typhus, &c.	128
	—
	440

J.S.C.

APPENDIX.

TABLE A, Part II.

Table of populations, registered births, and mortality at certain ages,
in the registration sub-districts.

(Public institutions regarded as sub-districts.)

Population estimated to middle of 1897.				409,472	11,628	39,616	91,274	84,215	160,583	9,415	12,741	
NAMES OF LOCALITIES adopted for the purpose of these Statistics; pub- lic institutions being shown as separate localities.	Population at all ages.		Registered Births.	Mortality from all causes, at subjoined ages.								Death- rate per 1,000 for each district.
	Census 1891	Estimated to middle of 1897.		At all ages.	Under 1 year.	1 and under 5	5 and under 15	15 and under 25	25 and under 60	60 and under 65	65 and upwards	
Leeds Township—North ..	60,618	62,381	2,269	1,242	446	238	52	38	259	70	139	19.98
Do. do. West ..	83,520	85,420	2,180	1,465	417	207	55	53	340	90	303	17.21
Do. do. South ..	33,385	34,170	1,183	780	279	146	29	29	138	30	79	22.91
Hunslet	58,164	64,851	2,281	1,127	431	170	32	42	241	51	160	17.44
Holbeck	23,592	26,817	996	554	211	90	18	21	109	32	73	20.73
Wortley	49,436	55,523	1,757	975	298	166	33	46	234	44	154	17.62
Kirkstall	29,911	37,353	1,026	544	152	75	27	22	132	29	107	14.61
Bramley	14,787	16,284	483	261	71	27	7	19	70	10	57	16.08
Chapelton	13,661	26,236	638	314	104	24	11	10	82	13	70	12.01
Osmondthorpe	431	437	10	5	2	2	..	..	..	1	..	11.48
Infirmary	..	..	..	373	22	36	38	46	190	15	26	..
Reever Hospital	..	..	..	46	1	14	16	6	9	..	..	..
WORKHOUSES	Leeds	..	69	345	17	3	2	8	162	35	118	..
	Hunslet	..	11	38	3	1	1	..	9	7	17	..
	Holbeck	..	1	49	..	..	1	..	15	7	26	..
	Bramley	..	8	30	..	1	..	3	10	1	15	..
For the whole City ..	367,505	409,472	12,912	8,148	2,454	1,200	322	343	2,050	435	1,344	19.97

* Including the death of one person at Manston Hospital (outside the city boundary).

TABLE A, Part III.

1897.—FIRST QUARTER.

Table shewing Deaths recorded in the City of Leeds during the thirteen weeks ended April 3rd, 1897, classified according to cause, age, and the registration sub-districts in which they occurred.

TOWNSHIP &c.	LEEDS.						WORKHOUSES.												Fever Hospitals *	In- firmaries, etc.	Osmond- thorpe.	Chapel- town.	Bramley.	Kirkstall.	Wortley.	Holbeck.	Hunslet.	South E.	Deaths of																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	North.		West.		South E.		Leeds.				Hunslet.				Holbeck.														Bramley.				Total Mortality in City.	Annual rate per 1,000 pop.	Leeds persons occurring outside City.†	Out- siders occurring in City.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	und.	ov.	und.	ov.	und.	ov.	und.	ov.	und.	ov.	und.	ov.	und.	ov.	und.	ov.	und.	ov.											und.	ov.	und.	ov.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Re-estimated. Population— 409,472	62,381	89,420	34,170	54,170	5	5	64,851	26,817	55,523	37,553	16,284	26,236	437																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

* There was one death at Manston Hospital during the quarter from meningitis. † No return received during quarter.

TABLE A, Part IV. 1897.—SECOND QUARTER.

Table shewing deaths recorded in the City of Leeds during the thirteen weeks ended 3rd July, 1897, classified according to cause, age, and the registration sub-districts or institutions in which they occurred.

TOWNSHIPS, &c.	LEEDS				WORKHOUSES.										TOTAL		Annual rate per 1,000 pop.	DEATHS OF					
	North.	West.	South E.	Hunslet.	Holbeck.	Wortley.	Kirkstall.	Bramley.	Chapel- town.	Osmond- thorpe.	In- firmaries etc.	Fever Hos- pitals.	WORKHOUSES.					Mortality in City.	all ages.	Leeds persons occurring outside City. †	Out- siders occurring in City.		
													Leeds.	Hunslet.	Holbeck.	Bramley.							
Under and over 5	und. 5	ov. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5	und. 5
Re-estim. Pop. —409,472	62,381	85,420	34,170	64,851	26,817	55,523	37,353	16,284	25,236	437													
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlatina	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup (not spasmodic)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other or doubtful	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rheumatic fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute & sub- acute rheu- matism	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pleurisy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Heart disease	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total under and over 5	34	86	31	111	31	58	30	60	20	39	30	67	16	41	5	19	4	21	1	...	...	...	...
All other causes	71	59	60	90	35	32	73	61	32	29	56	52	22	40	17	20	15	24	...	...	...	...	...
Total	250	292	186	224	120	205	119	61	64	2	88	6	87	11	18	9	605	1107	1712	...	...	...	...
Mortality per 1,000 per an.	16.2	13.7	18.3	13.9	18.0	14.8	12.8	15.0	9.8	18.4	...	...	...	...	...	...	...	...	...	...	...	...	...

* There was no death at Manston Hospital during the quarter. † No return received during quarter.

TABLE A, Part VII.

1898.—FIRST QUARTER.

Table shewing Deaths recorded in the City of Leeds during the thirteen weeks ended April 2nd, 1898, classified according to cause, age, and the registration sub-districts in which they occurred.

TOWNSHIP &c.	L E E D S.						Hunslet.	Holbeck.	Wortley.	Kirkstall.	Bramley.	Chapel- town.	Osmond- thorpe.	In- firmary, etc.	Fever Hospitals +	WORKHOUSES.								TOTAL		Annual rate per 1,000 pop.	DEATHS OF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	North.		West.		South E.											Leeds.		Hunslet.		Holbeck.		Bramley.		Mortality in City.			Leads persons occurring outside City.	und. ov.	und. ov.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.										und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.					und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.	und. ov.

* There was one death at Manston during the quarter from small-pox. † No return received during quarter.

TABLE B, Part I. (SUB-DISTRICTS.)

TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, during the 52 weeks of 1897, in the Urban Sanitary District of Leeds; classified according to Diseases, Ages, and Localities.

Names of Localities adopted for the purpose of these Statistics.	Population at all ages.		Registered Births.	Aged under 5, 5 under 15, 15 upwards.	New Cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.													Number of such Cases Removed from their Homes in the several Localities for Treatment in the Isolation Hospitals.												
	Census, 1891.	Estimated to middle of 1897.			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13
(a)	(b)	(c)	(d)	(e)	Small-pox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.	Other.	Total.	Small-pox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.	Other.	Total.
North (H) ..	60,618	62,381	2,338	Under 5, 5 under 15, 15 upwards.	..	162	7	6	..	4	..	..	..	..	7	..	186	..	53	..	..	..	2	..	..	..	..	..	..	55
West ..	83,520	85,420	2,180	Under 5, 5 under 15, 15 upwards.	..	252	4	..	1	35	..	..	5	..	6	..	302	..	117	..	1	..	18	..	..	..	..	..	..	137
South-East ..	33,385	34,170	1,183	Under 5, 5 under 15, 15 upwards.	..	48	3	..	..	55	..	..	..	..	41	..	154	..	20	1	..	..	15	..	..	..	..	..	..	39
Hunslet ..	58,164	64,851	2,292	Under 5, 5 under 15, 15 upwards.	..	95	18	8	..	28	..	..	..	..	2	..	137	..	30	..	..	..	10	..	..	..	..	..	..	30
Holbeck ..	23,592	26,817	997	Under 5, 5 under 15, 15 upwards.	..	253	29	2	..	82	..	..	7	..	84	6	270	..	81	..	1	..	29	..	..	..	..	..	..	49
Wortley ..	49,436	55,523	1,765	Under 5, 5 under 15, 15 upwards.	..	72	19	1	..	..	..	..	..	..	2	..	58	..	21	1	..	..	4	..	..	..	..	..	..	56
Kirkstall ..	29,911	37,353	1,026	Under 5, 5 under 15, 15 upwards.	..	51	4	..	..	19	..	..	..	..	1	..	105	..	16	..	..	..	4	..	..	..	..	..	..	16
Bramley ..	14,787	16,284	483	Under 5, 5 under 15, 15 upwards.	..	94	2	..	..	5	..	..	2	..	1	..	63	..	42	..	..	..	5	..	..	..	..	..	..	47
Chapelthorpe ..	13,661	26,236	638	Under 5, 5 under 15, 15 upwards.	..	14	4	3	..	18	1	..	..	..	4	4	90	..	14	..	..	..	..	..	..	..	..	..	..	16
Osmondthorpe ..	431	437	10	Under 5, 5 under 15, 15 upwards.	..	69	5	1	..	58	..	..	3	..	39	5	143	..	41	..	..	..	19	..	..	..	..	..	..	16
Totals ..	367,505	409,472	12,912	Under 5, 5 under 15, 15 upwards.	..	22	11	2	..	3	..	..	..	..	3	..	32	..	2	..	..	..	7	..	..	..	..	..	..	31
Grand total ..	..	..	..	Under 5, 5 under 15, 15 upwards.	..	20	4	2	..	19	..	..	2	..	3	..	54	..	7	..	..	..	4	..	..	..	..	..	..	15
				Under 5, 5 under 15, 15 upwards.	..	49	2	3	..	6	..	..	..	..	1	..	64	..	9	..	..	..	4	..	..	..	..	..	..	9
				Under 5, 5 under 15, 15 upwards.	..	112	6	1	..	13	..	..	3	..	5	..	141	..	30	1	..	..	2	..	..	..	..	..	..	35
				Under 5, 5 under 15, 15 upwards.	..	33	7	1	..	22	..	..	..	..	42	2	103	..	6	..	..	..	5	..	..	..	..	..	..	35
				Under 5, 5 under 15, 15 upwards.	..	69	9	..	..	12	..	..	..	..	5	..	96	..	8	..	..	..	3	..	..	..	..	..	..	7
				Under 5, 5 under 15, 15 upwards.	..	21	8	..	..	39	..	..	2	..	12	2	84	..	2	..	..	..	3	..	..	..	..	..	..	5
				Under 5, 5 under 15, 15 upwards.	..	36	2	1	..	6	..	..	..	..	1	..	46	..	16	..	..	..	1	..	..	..	..	..	..	16
				Under 5, 5 under 15, 15 upwards.	..	2	..	..	..	9	..	..	4	..	14	1	30	..	2	..	..	..	..	..	..	..	..	..	..	3
				Under 5, 5 under 15, 15 upwards.	..	31	2	..	..	5	..	..	..	..	..	..	34	..	5	..	..	..	3	..	..	..	..	..	..	6
				Under 5, 5 under 15, 15 upwards.	..	83	3	..	..	11	..	..	1	..	..	..	91	..	20	..	..	..	..	..	..	..	..	..	..	23
				Under 5, 5 under 15, 15 upwards.	..	19	5	..	..	..	..	..	..	..	10	2	48	..	4	..	..	..	..	..	..	..	..	..	..	9
				Under 5, 5 under 15, 15 upwards.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Under 5, 5 under 15, 15 upwards.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Under 5, 5 under 15, 15 upwards.	..	531	50	25	..	23	..	..	..	..	20	19	668	..	137	..	..	..	2	..	..	..	..	..	3	142
				Under 5, 5 under 15, 15 upwards.	..	1037	64	5	..	143	..	..	..	..	30	25	1305	..	362	1	..	..	52	..	..	..	..	..	12	427
				Under 5, 5 under 15, 15 upwards.	..	223	66	..	1	313	..	..	29	..	280	25	937	..	73	2	..	1	84	..	..	..	..	..	17	177
				Under 5, 5 under 15, 15 upwards.	..	1791	180	30	1	479	1	..	29	..	330	69	2910	..	572	3	..	1	138	..	..	..	..	..	32	746

Notification has been compulsory since the first of May, 1894. The City General Fever Hospital (the old House of Recovery), is situated in the district marked H. Cases admitted to the Isolation Hospitals from outside the city are not included in this table. Three cases of scarlet fever reported in 1896 (two in North, one in Hunslet) included in the above table. They were all three hospitalised in 1897. Similarly, four cases of scarlet fever, reported in 1897 (one in North, one in Wortley, two in Bramley), but not hospitalised till 1898, are excluded. Cases not hospitalised at date of going to press are included in year report reached us.

TABLE B, Part 2. (Wards).

Names of Localities adopted for the purpose of these Statistics.	Population at all ages.		Aged under 5, 5 under 15, 15 upwards.	New Cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.												
	Census, 1891.	Estimated to middle of 1897.		1	2	3	4	5	6	7	8	9	10	11	12	13
				Small-pox.	Scarlatina.	Diphtheria.	Membranous Croup.	Fevers.					Cholera.	Erysipelas.	Other.	TOTAL.
								Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.				
(a)	(b)	(c)	(d)													
Central	23,009	22,786	Under 5, .. 74 5 under 15, .. 85 15 upwards, .. 15	..	..	4	5	..	..	7	..	..	..	2	..	85
North	26,596	33,692	Under 5, .. 75 5 under 15, .. 165 15 upwards, .. 37	..	..	3	..	..	3	..	..	..	..	3	1	85
North-East (H) ..	24,190	25,470	Under 5, .. 43 5 under 15, .. 81 15 upwards, .. 12	..	..	1	1	..	1	..	..	..	..	2	..	48
East	25,598	26,796	Under 5, .. 44 5 under 15, .. 86 15 upwards, .. 14	..	..	2	..	..	7	..	..	..	..	..	..	95
South	17,255	17,043	Under 5, .. 15 5 under 15, .. 27 15 upwards, .. 3	..	..	1	1	..	1	..	..	..	..	4	..	23
East Hunslet ..	25,386	27,883	Under 5, .. 27 5 under 15, .. 47 15 upwards, .. 10	..	..	2	..	..	3	..	..	..	..	2	2	36
West Hunslet ..	23,794	28,537	Under 5, .. 34 5 under 15, .. 41 15 upwards, .. 10	..	..	1	2	..	5	1	..	..	..	3	2	54
Holbeck	21,563	24,143	Under 5, .. 20 5 under 15, .. 29 15 upwards, .. 3	..	..	3	2	..	4	..	..	..	..	3	..	32
Mill Hill	9,214	8,002	Under 5, .. 9 5 under 15, .. 15 15 upwards, .. 16	..	..	1	1	..	3	..	..	..	..	1	2	21
West	24,668	25,163	Under 5, .. 15 5 under 15, .. 41 15 upwards, .. 13	..	..	15	4	..	5	..	..	..	..	1	2	73
North-West ..	28,363	30,793	Under 5, .. 33 5 under 15, .. 106 15 upwards, .. 25	..	..	2	1	..	4	..	..	..	..	1	2	41
Brunswick ..	22,752	23,880	Under 5, .. 39 5 under 15, .. 98 15 upwards, .. 21	..	..	1	1	..	1	3	..	..	..	1	6	110
New Wortley ..	19,410	19,656	Under 5, .. 6 5 under 15, .. 22 15 upwards, .. 5	..	..	1	1	..	3	..	..	..	..	1	2	30
Armley and Wortley	26,436	31,710	Under 5, .. 35 5 under 15, .. 76 15 upwards, .. 15	..	..	2	1	..	3	..	..	..	..	4	1	95
Bramley	18,377	20,441	Under 5, .. 29 5 under 15, .. 48 15 upwards, .. 3	..	..	1	1	..	7	..	..	..	..	1	5	37
Headingley ..	30,894	38,477	Under 5, .. 33 5 under 15, .. 70 15 upwards, .. 21	..	..	7	1	..	12	..	..	..	..	1	1	42
Totals	367,505	409,472	Under 5, .. 531 5 under 15, .. 1037 15 upwards, .. 223	..	..	50	5	..	23	143	1	..	29	20	19	668
Grand total ..	..	..	..	..	..	1791	180	30	1	479	1	..	29	330	69	2,910

Three cases of scarlet fever reported in 1896, but not sent into hospital till 1897, are included in table B, part 2. They occurred one in the Central, one in the North, one in the East Hunslet Wards. Four of the 69 in col. 12 were cases of English Cholera. Col. 10 is used only for Asiatic Cholera.

TABLE B, Part 2.—Wards (continued).

Names of Localities adopted for the purpose of these Statistics.	Population at all ages.		Aged under 5, 5 under 15, 15 upwards.	Number of such Cases Removed from their Homes in the several Localities for Treatment in Isolation Hospitals.												
	Census, 1891.	Estimated to middle of 1897.		Small-pox.	Scarlatina.	Diphtheria.	Membranous Croup.	Fevers.					Cholera.	Erysipelas.	Other.	TOTAL.
								Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.				
(a)	(b)	(c)	(d)													
Central ..	23,009	22,786	Under 5, .. 12 5 under 15, .. 23 15 upwards, .. 4	..	..	..	..	..	2	..	..	..	..	..	1	26
North	26,596	38,692	Under 5, .. 27 5 under 15, .. 72 15 upwards, .. 13	..	..	..	..	..	1	..	..	..	..	..	1	29
North-East (H) ..	24,190	25,470	Under 5, .. 19 5 under 15, .. 44 15 upwards, .. 7	..	..	..	..	10	1	..	..	..	..	..	1	20
East	25,598	26,796	Under 5, .. 14 5 under 15, .. 40 15 upwards, .. 8	..	..	..	..	4	3	..	..	..	..	..	3	44
South	17,255	17,043	Under 5, .. 4 5 under 15, .. 12 15 upwards, .. 1	..	..	..	..	8	..	..	..	..	..	..	1	13
East Hunslet ..	25,386	27,883	Under 5, .. 4 5 under 15, .. 15 15 upwards, .. 4	..	..	..	..	4	11	..	..	..	..	..	1	19
West Hunslet ..	23,794	28,537	Under 5, .. 8 5 under 15, .. 15 15 upwards, .. 5	..	..	..	..	1	2	..	..	..	..	..	1	17
Holbeck	21,563	24,143	Under 5, .. 2 5 under 15, .. 8 15 upwards,	..	..	..	..	7	4	..	..	..	..	..	1	16
Mill Hill	9,214	8,002	Under 5, .. 4 5 under 15, .. 8 15 upwards, .. 7	..	..	..	..	2	..	..	..	..	..	..	1	11
West	24,668	25,163	Under 5, .. 1 5 under 15, .. 11 15 upwards, .. 3	..	..	..	..	6	..	..	..	..	..	..	1	12
North-West	28,363	30,793	Under 5, .. 12 5 under 15, .. 32 15 upwards, .. 8	..	..	..	..	8	21	..	..	..	..	..	1	41
Brunswick	22,752	23,880	Under 5, .. 13 5 under 15, .. 29 15 upwards, .. 3	..	..	..	..	2	..	..	..	..	..	..	1	30
New Wortley ..	19,410	19,656	Under 5, .. 1 5 under 15, .. 12 15 upwards, .. 2	..	..	..	..	1	2	..	..	..	..	..	2	15
Armley and Wortley	26,436	31,710	Under 5, .. 6 5 under 15, .. 13 15 upwards, .. 3	..	1	..	..	1	3	..	..	..	..	..	..	6
Bramley	18,377	20,441	Under 5, .. 3 5 under 15, .. 19 15 upwards, .. 3	..	..	..	..	..	1	..	..	..	..	..	..	3
Headingley	30,894	38,477	Under 5, .. 7 5 under 15, .. 9 15 upwards, .. 2	..	..	..	..	3	3	..	..	..	..	..	1	13
Totals	367,505	409,472	Under 5, .. 137 5 under 15, .. 362 15 upwards, .. 73	..	..	1	..	52	84	..	..	..	..	..	12	427
Grand total ..	..	..	..	..	572	3	..	1	133	..	..	..	..	..	32	746

Four cases of scarlet fever reported in 1897, but not hospitalised till 1898, are excluded from table B, part 2. They occurred one in the North-East, one in the New Wortley, and two in the Bramley wards. Sixteen cases of typhoid were treated in the General Infirmary. They were admitted from the several wards as follows:—North, 1; N.E., 1; E. 3; S. 1; E. Hunslet, 2; W. Hunslet, 5; West, 1; Brunswick, 1; Armley and Wortley, 1.

TABLE B, Part 3.

New cases of Infectious Sickness heard of in the several Sub-districts and Wards of the City of Leeds during the thirteen weeks ended April 3rd, 1897.

		Where treated.	Small-pox.	Scarlet fever.	Diphtheria.	Membranous croup.	Typhus fever.	Typhoid fever.	Continued fever.	Puerperal fever.	Erysipelas.	Cholera.	Other.	TOTALS.	
SUB-DISTRICTS.	North	{ Hosp.	...	62	...	...	...	4	...	...	...	...	...	66	144
		{ Home	...	44	5	3	...	8	...	3	14	...	1	78	
	West	{ Hosp.	...	47	...	...	...	4	...	...	...	...	1	52	173
		{ Home	...	66	15	...	...	6	...	4	30	...	...	121	
	South-East	{ Hosp.	...	19	...	...	...	3	...	...	...	...	...	22	47
		{ Home	...	16	2	...	...	3	...	2	2	...	...	25	
	Hunslet	{ Hosp.	...	14	...	...	...	10	...	...	...	...	...	24	78
		{ Home	...	33	6	...	...	4	...	2	9	...	...	54	
	Holbeck	{ Hosp.	...	2	...	...	...	1	...	...	...	...	1	4	20
		{ Home	...	4	3	1	...	4	...	...	4	...	...	16	
	Wortley	{ Hosp.	...	10	...	...	...	1	...	...	...	...	1	12	47
		{ Home	...	11	6	3	...	2	...	1	11	...	1	35	
Kirkstall	{ Hosp.	...	12	...	...	...	...	...	...	...	...	...	12	50	
	{ Home	...	11	8	...	...	10	...	2	7	...	...	38		
Bramley	{ Hosp.	...	1	...	...	...	...	...	...	...	...	...	1	9	
	{ Home	...	1	1	...	...	...	...	...	5	...	1	8		
Chapelton	{ Hosp.	...	9	...	...	...	...	...	...	...	...	...	9	56	
	{ Home	...	37	7	...	...	1	...	...	2	...	...	47		
Osmondthorpe ...	{ Hosp.	...	...	...	...	...	...	...	...	...	...	...	...	...	
	{ Home	...	...	...	...	...	...	...	...	...	...	...	...		
WARDS.	Central	{ Hosp.	...	6	...	...	...	...	...	...	...	...	...	6	45
		{ Home	...	27	3	3	...	2	...	1	2	...	1	39	
	North	{ Hosp.	...	47	...	...	...	2	...	...	...	...	...	49	112
		{ Home	...	40	8	...	...	2	...	2	11	...	...	63	
	North-East	{ Hosp.	...	18	...	...	...	2	...	...	...	...	...	20	36
		{ Home	...	9	...	...	...	4	...	...	3	...	...	16	
	East.....	{ Hosp.	...	19	...	...	...	3	...	...	...	...	...	22	43
		{ Home	...	14	2	...	...	2	...	1	2	...	...	21	
	South	{ Hosp.	...	2	...	...	...	2	...	...	...	...	...	4	17
		{ Home	...	7	3	...	...	1	...	1	1	...	...	13	
	East-Hunslet	{ Hosp.	...	9	...	...	...	3	...	...	...	...	...	12	42
		{ Home	...	16	3	...	...	3	...	2	6	...	...	30	
	West-Hunslet.....	{ Hosp.	...	3	...	...	...	5	...	...	...	...	...	8	24
		{ Home	...	12	1	...	...	1	...	...	2	...	...	16	
	Holbeck	{ Hosp.	...	2	...	...	...	1	...	...	...	...	1	4	19
		{ Home	...	4	2	1	...	4	...	...	4	...	...	15	
	Mill Hill.....	{ Hosp.	...	5	...	...	...	...	...	...	...	...	...	5	13
		{ Home	...	2	...	...	...	...	...	1	5	...	...	8	
	West.....	{ Hosp.	...	3	...	...	...	1	...	...	1	10	...	4	37
		{ Home	...	12	9	...	...	1	...	...	...	...	...	33	
North-West	{ Hosp.	...	24	...	...	...	2	...	...	...	...	...	26	72	
	{ Home	...	26	5	...	...	5	...	1	9	...	...	46		
Brunswick	{ Hosp.	...	15	...	...	...	1	...	...	...	...	1	17	56	
	{ Home	...	31	2	...	...	...	...	1	5	...	...	39		
New Wortley	{ Hosp.	...	3	...	...	...	...	...	...	...	...	...	3	17	
	{ Home	...	2	3	1	...	2	...	...	6	...	...	14		
Armley & Wortley	{ Hosp.	...	7	...	...	...	1	...	...	...	...	1	9	30	
	{ Home	...	9	3	2	...	1	...	...	5	...	1	21		
Bramley	{ Hosp.	...	1	...	...	...	...	...	...	...	...	...	1	11	
	{ Home	...	1	1	...	...	...	...	1	6	...	1	10		
Headingley.....	{ Hosp.	...	12	...	...	...	...	...	...	...	...	...	12	50	
	{ Home	...	11	8	...	...	10	...	2	7	...	...	38		
CITY	{ Hosp.	...	176	...	...	...	23	...	...	...	...	3	202	624	
	{ Home	...	223	53	7	...	38	...	14	84	...	3	422		
	Cases	...	399	53	7	...	61	...	14	84	...	6	624		

During this quarter we have only been able to admit 7 cases of typhoid to our Hospital. Sixteen cases sent to the General Infirmary from sub-districts—North, 2; West, 2; South-East, 3; Hunslet, 8; and Wortley, 1; (or Wards—North, 1; North-East, 1; East, 3; South, 1; East-Hunslet, 2; West-Hunslet, 5; West, Brunswick, and Armley 1 each), are included above as sent to hospital. Five cases of scarlet fever reported the first but not hospitalised till the second quarter are excluded from this table.

TABLE B, Part 4.

New cases of Infectious Sickness heard of in the several Sub-districts and Wards of the City of Leeds during the thirteen weeks ended July 3rd, 1897.

		Where treated.	Small-pox.	Scarlet fever.	Diphtheria.	Membranous croup.	Typhus fever.	Typhoid fever.	Continued fever.	Puerperal fever.	Erysipelas.	Cholera.	Other.	TOTALS.	
SUB-DISTRICTS.	North.....	{ Hosp. ... 61 Home ... 68	...	...	...	...	...	3 6	...	...	...	...	2	66 90	156
	West.....	{ Hosp. ... 36 Home ... 45	...	1 8	...	...	...	...	...	1	25	...	1 2	38 97	135
	South-East.....	{ Hosp. ... 10 Home ... 8	...	...	...	...	...	1 1	...	...	...	...	2	13 17	30
	Hunslet.....	{ Hosp. ... 14 Home ... 18	...	...	...	...	...	...	...	...	...	...	...	14 42	56
	Holbeck.....	{ Hosp. ... 1 Home ... 2	...	...	...	...	...	...	...	...	...	...	...	1 14	15
	Wortley.....	{ Hosp. ... 5 Home ... 11	...	1 6	...	...	...	...	...	...	15	...	...	6 35	41
	Kirkstall.....	{ Hosp. ... 1 Home ... 7	...	...	...	...	1 3	...	...	...	4	...	1	3 22	25
	Bramley.....	{ Hosp. ... 2 Home ... 2	...	...	...	...	1 2	...	...	...	3	...	...	3 11	14
	Chapeltown..	{ Hosp. ... 9 Home ... 7	...	...	...	...	...	...	...	...	...	...	1	10 10	20
	Osmondthorpe....	{ Hosp. ... Home ...	...	...	...	...	...	...	...	...	...	...	...	...	...
WARDS.	Central.....	{ Hosp. ... 16 Home ... 32	...	...	...	...	...	1 2	...	...	3	...	...	17 39	56
	North.....	{ Hosp. ... 33 Home ... 30	...	...	...	...	...	...	...	...	...	...	1	34 41	75
	North-East.....	{ Hosp. ... 22 Home ... 12	...	...	...	...	...	2 1	...	...	...	...	2	26 19	45
	East.....	{ Hosp. ... 9 Home ... 4	...	...	...	...	...	1 1	...	...	...	...	1	11 9	20
	South.....	{ Hosp. ... 5 Home ... 5	...	...	...	1	...	...	...	...	7	...	1	6 14	20
	East-Hunslet.....	{ Hosp. ... 5 Home ... 14	...	...	...	...	...	...	...	1	6	...	...	5 31	36
	West-Hunslet.....	{ Hosp. ... 5 Home ... 3	...	...	...	...	...	1	...	1	1	...	...	5 6	11
	Holbeck.....	{ Hosp. ... 1 Home ... 2	...	...	...	1	...	3	...	...	4	...	...	1 13	14
	Mill Hill.....	{ Hosp. ... 4 Home ... 4	...	...	...	...	...	2	...	...	13	...	1	4 20	24
	West.....	{ Hosp. ... 5 Home ... 3	...	...	...	...	...	...	...	...	7	...	1	6 19	25
	North-West.....	{ Hosp. ... 12 Home ... 17	...	1 6	...	...	...	6	...	...	4	...	...	13 33	46
	Brunswick.....	{ Hosp. ... 14 Home ... 22	...	...	...	1	...	...	...	1	1	...	...	14 26	40
	New Wortley.....	{ Hosp. ... 1 Home ... 2	...	...	...	...	...	2	...	...	8	...	...	1 14	15
	Arm'ey & Wortley	{ Hosp. ... 3 Home ... 9	...	1 4	...	...	...	1	...	...	4	...	...	4 18	22
	Bramley.....	{ Hosp. ... 3 Home ... 2	...	...	...	...	...	1 2	...	...	6	...	2	4 14	18
	Headingley.....	{ Hosp. ... 1 Home ... 7	...	...	...	1	...	3	...	...	4	...	...	3 22	25
	CITY.....	{ Hosp. ... 139 Home ... 168 Cases ... 307	...	2 39 41	...	5 5	...	6 39 45	...	...	4 79 79	...	7 4 11	154 338 492	

Five cases of scarlet fever reported the previous quarter, but hospitalised in this, are included above. Four reported in the second, but hospitalised in third quarter, are excluded.

TABLE B, Part 5.

New cases of Infectious Sickness heard of in the several Sub-districts and Wards of the City of Leeds during the thirteen weeks ended October 2nd, 1897.

		Where treated.	Small-pox.	Scarlet fever.	Diphtheria.	Membranous croup.	Typhus fever.	Typhoid fever.	Continued fever.	Puerperal fever.	Erysipelas.	Cholera.	Other.	TOTALS.	
SUB-DISTRICTS.	North	{ Hosp.	...	42	1	...	1	14	...	...	...	...	2	60	195
		{ Home	...	103	3	1	...	16	...	...	11	...	1	135	
	West	{ Hosp.	...	26	...	...	...	19	...	...	...	...	5	50	157
		{ Home	...	63	7	2	...	23	...	...	12	...	...	107	
	South-East	{ Hosp.	...	18	...	...	...	6	...	...	...	...	1	25	58
		{ Home	...	16	2	...	...	8	...	...	7	...	...	33	
	Hunslet	{ Hosp.	...	15	...	...	...	12	...	...	...	...	1	28	88
		{ Home	...	27	3	...	...	18	...	...	7	...	5	60	
	Holbeck	{ Hosp.	...	1	...	...	...	2	...	...	...	...	...	3	27
		{ Home	...	14	...	...	...	5	...	1	3	...	1	24	
	Wortley	{ Hosp.	...	18	...	...	...	2	...	...	...	...	1	21	103
		{ Home	...	58	5	...	...	7	...	1	8	...	3	82	
Kirkstall	{ Hosp.	...	2	...	...	...	...	...	...	...	...	...	2	46	
	{ Home	...	23	2	...	...	15	...	...	4	...	...	44		
Bramley	{ Hosp.	...	7	...	...	...	...	...	...	...	...	...	7	29	
	{ Home	...	7	...	...	...	8	...	2	5	...	...	22		
Chapelton	{ Hosp.	...	9	...	...	...	5	...	...	...	...	1	15	44	
	{ Home	...	24	1	...	...	2	...	...	2	...	...	29		
Osmondthorpe	{ Hosp.	...	...	...	...	...	...	...	...	...	...	...	...	...	
	{ Home	...	...	...	...	...	...	...	...	...	...	...	...		
WARDS.	Central	{ Hosp.	...	11	...	...	...	3	...	...	...	...	1	15	83
		{ Home	...	56	1	1	...	6	...	...	4	...	...	63	
	North	{ Hosp.	...	23	...	...	...	8	...	...	...	...	2	33	96
		{ Home	...	44	2	...	...	11	...	...	6	...	...	63	
	North-East	{ Hosp.	...	17	1	...	1	8	...	...	...	...	...	27	60
		{ Home	...	25	1	...	...	2	...	...	4	...	1	33	
	East.....	{ Hosp.	...	15	...	...	...	5	...	...	...	...	1	21	47
		{ Home	...	14	2	...	...	4	...	...	6	...	...	26	
	South	{ Hosp.	...	7	...	...	...	5	...	...	...	...	...	12	23
		{ Home	...	5	...	...	...	6	...	...	...	...	...	11	
	East-Hunslet	{ Hosp.	...	7	...	...	...	8	...	...	...	...	...	15	50
		{ Home	...	15	1	...	...	11	...	...	4	...	4	35	
	West-Hunslet.....	{ Hosp.	...	4	...	...	...	...	...	...	...	...	1	5	28
		{ Home	...	11	2	...	...	5	...	...	3	...	2	23	
	Holbeck	{ Hosp.	...	1	...	...	...	2	...	...	...	...	...	3	23
		{ Home	...	12	...	...	...	4	...	1	3	...	...	20	
	Mill Hill.....	{ Hosp.	...	6	...	...	...	...	...	...	...	...	1	7	15
		{ Home	...	...	1	...	...	3	...	...	4	...	...	8	
	West.....	{ Hosp.	...	1	...	...	...	3	...	...	...	...	2	6	30
{ Home		...	16	3	...	...	5	...	...	...	...	...	24		
North-West	{ Hosp.	...	11	...	...	...	15	...	...	...	...	2	28	72	
	{ Home	...	25	3	1	...	10	...	...	5	...	...	44		
Brunswick	{ Hosp.	...	8	...	...	...	1	...	...	...	...	...	9	42	
	{ Home	...	24	...	1	...	5	...	...	3	...	...	33		
New Wortley.....	{ Hosp.	...	8	...	...	...	1	...	...	...	...	...	9	24	
	{ Home	...	10	3	...	...	...	...	1	1	...	...	15		
Armley & Wortley	{ Hosp.	...	10	...	...	...	1	...	...	...	...	1	12	69	
	{ Home	...	44	2	...	...	6	...	...	5	...	...	57		
Bramley	{ Hosp.	...	7	...	...	...	...	...	...	...	...	...	7	39	
	{ Home	...	11	...	...	...	9	...	2	7	...	3	32		
Headingley.....	{ Hosp.	...	2	...	...	...	...	...	...	...	...	...	2	46	
	{ Home	...	23	2	...	...	15	...	...	4	...	...	44		
CITY	{ Hosp.	...	138	1	...	1	60	...	...	...	...	11	211	747	
	{ Home	...	335	23	3	...	102	...	4	59	...	10	536		
	{ Cases	...	473	24	3	1	162	...	4	59	...	21	747		

A case of typhoid and two of scarlet fever reported in third quarter, but not hospitalised till the fourth, are counted only in the latter quarter. Four cases of scarlet reported last quarter are included above.

TABLE B, Part 6.

	Where treated.	Small-pox.	Scarlet fever.	Diphtheria.	Membranous croup.	Typhus fever.	Typhoid fever.	Continued fever.	Puerperal fever.	Erysipelas.	Cholera.	Other.	TOTALS.		
SUB-DISTRICTS.	North	{ Hosp. Home	... ...	25 57	... 3	... 1	... ...	16 25	... ...	... 1	... 17	... 2	41 } 106 }	147	
	West	{ Hosp. Home	... ...	23 114	... 35	... 7	... ...	18 30	... ...	... 2	... 23	... 15	2 } 226 }	269	
	South-East	{ Hosp. Home	... ...	19 53	... 3	... 1	... ...	2 2	... ...	... ...	... 10	... ...	1 } 69 }	91	
	Hunslet	{ Hosp. Home	... ...	22 58	... 8	... 3	... ...	10 21	... 1	... ...	... 22	... ...	4 } 113 }	149	
	Holbeck	{ Hosp. Home	... ...	5 23	... 3	... ...	... ...	8 19	... ...	... ...	... 12	... ...	1 } 57 }	71	
	Wortley	{ Hosp. Home	... ...	12 57	... 3	... 1	... ...	5 21	... ...	... 1	... 14	... ...	2 } 98 }	117	
	Kirkstall	{ Hosp. Home	... ...	2 65	... 7	... ...	... ...	5 17	... ...	... ...	... 3	... ...	... } 94 }	101	
	Bramley	{ Hosp. Home	... ...	9 30	... ...	... 2	... ...	... 4	... ...	... 2	... 2	... ...	... } 40 }	49	
	Chapelton	{ Hosp. Home	... ...	2 36	... ...	... ...	... ...	1 7	... ...	... 1	... 5	... ...	1 } 49 }	53	
	Osmondthorpe ...	{ Hosp. Home	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... } ...	...	
WARDS.	Central	{ Hosp. Home	... ...	6 20	... 2	... ...	... ...	2 6	... ...	... 1	... 6	... 1	8 } 36 }	44	
	North	{ Hosp. Home	... ...	9 51	... 1	... ...	... ...	8 13	... ...	... 1	... 11	... 1	18 } 78 }	96	
	North-East	{ Hosp. Home	... ...	13 20	... ...	... 1	... ...	7 13	... ...	... ...	... 5	... ...	20 } 39 }	59	
	East.....	{ Hosp. Home	... ...	19 50	... 3	... 1	... ...	1 1	... ...	... ...	... 7	... ...	1 } 62 }	83	
	South	{ Hosp. Home	... ...	3 11	... 1	... 1	... ...	2 3	... ...	... ...	... 11	... ...	5 } 27 }	32	
	East-Hunslet	{ Hosp. Home	... ...	2 16	... 2	... ...	... ...	6 11	... ...	... ...	... 8	... ...	2 } 37 }	47	
	West-Hunslet.....	{ Hosp. Home	... ...	16 31	... 5	... 2	... ...	3 8	... 1	... ...	... 8	... ...	2 } 55 }	76	
	Holbeck	{ Hosp. Home	... ...	6 24	... 3	... ...	... ...	8 19	... ...	... ...	... 10	... ...	1 } 56 }	71	
	Mill Hill.....	{ Hosp. Home	... ..	4 15	... ...	... 1	... ...	2 3	... ...	... ...	... 4	... ...	6 } 23 }	29	
	West.....	{ Hosp. Home	... ...	6 23	... 34	... 4	... ...	3 10	... ...	... ...	... 5	... ...	2 } 76 }	87	
	North-West	{ Hosp. Home	... ...	5 44	... ...	... 1	... ...	12 11	... ...	... 2	... 8	... 1	17 } 67 }	84	
	Brunswick	{ Hosp. Home	... ...	8 36	... 1	... 1	... ...	1 6	... ...	... ...	... 6	... 15	9 } 65 }	74	
	New Wortley	{ Hosp. Home	... ...	3 4	... 2	... ...	... ...	2 8	... ...	... ...	... 3	... ...	2 } 17 }	24	
	Armley & Wortley	{ Hosp. Home	... ...	2 42	... 1	... 1	... ...	3 11	... ...	... ...	... 8	... ...	5 } 63 }	68	
	Bramley	{ Hosp. Home	... ...	14 41	... ...	... 2	... ...	... 6	... ...	... 3	... 5	... ...	14 } 57 }	71	
	Headingley.....	{ Hosp. Home	... ...	3 65	... 7	... ...	... ...	5 17	... ...	... ...	... 3	... 2	8 } 94 }	102	
	CITY	{ Hosp. Home		119 493	... 62	... 15		65 146	... 1	... 7	... 108		11 20	195 } 852 }	1047
		Cases	...	612	62	15	...	211	1	7	108	...	31	1047	

TABLE B, Part 7.

New cases of Infectious Sickness heard of in the several Sub-districts and Wards of the City of Leeds during the thirteen weeks ended April 2nd, 1898.

	Where treated.	Small-pox.	Scarlet fever.	Diphtheria.	Membranous croup.	Typhus fever.	Typhoid fever.	Continued fever.	Puerperal fever.	Erysipelas.	Cholera.	Other.	TOTALS.
SUB-DISTRICTS.	North	{ Hosp. ... 23 Home ... 76	1	...	...	...	5	...	...	...	...	3	32
	West	{ Hosp. ... 32 Home ... 117	...	...	...	...	6	...	...	...	...	1	39
	South-East	{ Hosp. ... 6 Home ... 43	...	...	...	...	3	...	...	...	...	...	9
	Hunslet	{ Hosp. ... 2 Home ... 41	1	...	...	...	3	...	...	...	...	4	10
	Holbeck	{ Hosp. ... 16 Home ... 20	...	...	...	...	6	...	...	...	...	1	23
	Wortley	{ Hosp. ... 4 Home ... 50	...	...	...	...	2	...	...	...	...	1	20
	Kirkstall	{ Hosp. ... 13 Home ... 43	...	...	...	...	1	...	...	...	...	2	16
	Bramley	{ Hosp. ... 4 Home ... 18	...	...	...	...	...	...	...	...	...	2	6
	Chapelton	{ Hosp. ... 4 Home ... 61	...	...	...	...	1	...	...	...	...	1	6
	Osmondthorpe	{ Hosp. ... Home ...	...	...	...	...	3	...	...	...	...	...	70
WARDS.	Central	{ Hosp. ... 2 Home ... 7	1	...	...	...	1	...	...	...	...	1	5
	North	{ Hosp. ... 14 Home ... 85	...	...	...	...	1	...	...	...	...	2	17
	North-East	{ Hosp. ... 11 Home ... 36	...	...	...	...	4	...	...	...	...	1	16
	East	{ Hosp. ... 5 Home ... 29	...	...	...	...	3	...	...	...	...	...	8
	South	{ Hosp. ... 1 Home ... 20	...	...	...	...	...	...	...	...	...	...	1
	East-Hunslet	{ Hosp. ... Home ... 13	...	...	...	...	2	...	...	...	...	2	4
	West-Hunslet	{ Hosp. ... 2 Home ... 21	1	...	...	...	1	...	...	...	...	2	6
	Holbeck	{ Hosp. ... 16 Home ... 20	...	...	...	...	6	...	...	...	...	1	23
	Mill Hill	{ Hosp. ... 3 Home ... 9	...	...	...	...	1	...	...	...	...	...	4
	West	{ Hosp. ... 7 Home ... 18	...	...	...	...	2	...	...	...	...	1	10
	North-West	{ Hosp. ... 14 Home ... 61	...	...	...	...	3	...	...	...	...	...	17
	Brunswick	{ Hosp. ... 8 Home ... 39	...	...	...	...	...	...	...	...	...	...	8
	New Wortley	{ Hosp. ... 4 Home ... 12	3	...	...	...	2	...	...	...	...	...	9
	Armley & Wortley	{ Hosp. ... 10 Home ... 37	...	...	...	...	...	...	...	...	...	1	11
	Bramley	{ Hosp. ... 4 Home ... 18	...	...	...	...	...	...	...	...	...	2	6
	Headingley	{ Hosp. ... 13 Home ... 44	...	...	...	...	1	...	...	...	...	2	16
							5	...	1	11	...	...	78
	CITY	{ Hosp. 4 Home ...	113	2	...	...	27	...	...	...	...	15	161
			469	112	12	...	54	...	9	96	...	5	757
	Cases	4	582	114	12	...	81	...	9	96	...	20	918

Four cases of sea let fever reported in the previous quarter are counted in this quarter. Two not hospitalised till the second quarter of 1898 are excluded.

TABLE C.

TABLE C.
Table shewing deaths recorded in the City of Leeds during the fifty-two weeks ended 1st January, 1898, classified according to cause, age, and the registration sub-districts to which the patients belonged. Deaths in institutions allocated to districts to which patients belonged.

TOWNSHIPS, &c. Estim. Pop., 409,472 ..	LEEDS.						Hunslet. 64,851	Holbeck. 26,817		Wortley. 55,523		Kirkstall. 37,353		Bramley. 16,284		Chapeltown. 6,236		Osmond- thorpe. 437		Deaths of outsiders occurring in City.		TOTAL mortality in City.		Annual rate per 1,000 pop.
	North. 62,381		West. 85,420		South E. 34,170			under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	All ages.		
	under 5	over 5	under 5	over 5	under 5	over 5																		
Under and over 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Small-pox ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0'00
Chicken-pox ..	..	..	..	..	..	..	36	1	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0'40
Measles ..	52	6	1	1	19	..	14	6	..	14	..	9	..	6	..	2	..	..	..	158	2	7	165	0'23
Scarlet Fever ..	18	8	5	5	7	4	11	1	3	7	2	3	6	..	..	8	2	..	..	65	30	95	..	0'23
Coulin { Typhus ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
{ Enteric ..	..	..	..	..	..	..	1	1	4	1	9	..	12	..	2	1	..	..	..	3	80	83	..	0'23
{ Other or ..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	2	..	0'00
Influenza ..	..	..	..	..	..	..	10	1	5	..	6	..	4	..	6	1	..	..	..	2	46	48	..	0'12
Whooping-cough ..	27	2	22	1	9	..	8	4	..	9	..	11	1	2	..	2	..	..	..	94	4	98	..	0'24
Diphtheria ..	5	1	9	11	1	2	3	2	..	2	3	1	6	..	..	..	..	..	..	25	26	51	..	0'13
Cholera ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	0'00
Diarrhoea, &c. ..	114	10	95	8	90	3	109	48	..	81	2	38	..	13	3	19	..	..	..	607	36	643	..	1'58
Ague ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	0'00
Zoogenous diseases ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis ..	12	2	6	2	5	1	..	4	1	1	..	2	2	1	..	..	..	..	..	..	..	..	..	0'10
Gonorrhoea ..	..	2	..	1	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	7	7	0'02
Stricture of Urethra ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas ..	2	1	2	..	..	1	1	2	..	..	4	..	..	1	1	..	..	..	..	8	12	20	..	0'05
Pyæmia ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0'03
Phagedæna ..	..	1	..	2	..	3	..	..	1	..	1	..	..	..	..	..	..	..	..	1	10	11	..	0'03
Septicæmia ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0'04
Phlebitis ..	..	3	..	1	..	2	..	..	1	..	2	..	2	..	2	..	..	..	..	..	15	15	..	0'04
Puerperal Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Parasitic diseases ..	1	1	1	1	1	..	1	2	..	..	..	..	..	..	..	..	..	..	..	6	2	8	..	0'02
Starvation ..	11	..	8	1	9	1	23	5	..	14	1	3	..	..	..	3	..	..	..	76	4	80	..	0'20
Alcoholism ..	1	10	..	5	..	5	..	..	..	..	..	..	1	..	..	2	..	..	..	1	23	24	..	0'06
Rheumatic Fever ..	..	..	..	2	..	1	..	..	2	..	1	..	..	..	..	..	..	..	..	..	6	6	..	0'01
Acute and Sub-acute ..	1	2	..	8	..	3	1	..	2	..	3	..	1	..	..	1	..	..	..	2	20	22	..	0'05
Rheumatism ..	..	4	..	1	..	3	..	..	2	..	6	..	..	..	..	..	..	..	..	..	17	17	..	0'04
Gout ..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4	..	0'01
Rickets ..	..	1	..	..	..	1	6	..	..	..	3	..	..	1	..	..	..	..	..	69	1	70	..	0'17
Cancer ..	33	1	3	70	19	18	6	..	..	1	4	2	28	1	9	..	..	..	..	5	303	308	..	0'75

TABLE C (continued).

TOWNSHIPS, &c.	LEEDS.						Deaths of outsiders occurring in City.												Total mortality in City.	Annual rate per 1,000 pop.		
	North.		West.		South E.		Hunslet.		Holbeck.		Wortley.		Kirkstall.		Bramley.		Chapeltown.				Osmond-thorpe.	
	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5	under 5	over 5			under 5	over 5	all ages.
Under and over 5																						
Tabes Mesenterica	30	..	11	2	8	..	25	..	4	..	13	1	3	..	2	..	..	96	3	99	0'24	
Tub. Meningitis	15	1	19	4	4	..	4	5	2	2	7	1	16	..	1	..	..	73	18	91	0'22	
Hydrocephalus	..	..	1	1	1	..	1	..	3	..	1	..	1	..	5	..	..	13	1	14	0'03	
Phthisis ..	1	126	..	112	1	73	6	82	..	28	1	58	1	31	..	28	..	12	577	589	1'44	
Tub. Peritonitis	5	3	3	6	..	1	1	5	..	..	1	2	3	..	..	1	..	15	21	36	0'09	
Other Tuberculous	6	4	12	4	5	1	18	3	13	7	6	4	2	5	..	1	..	64	38	102	0'25	
Scrofula ..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	2	..	2	0'00	
Anæmia ..	1	2	1	1	..	2	..	6	..	1	1	4	..	2	..	..	..	3	21	24	0'06	
Diabetes, &c	..	5	..	8	..	2	..	4	..	3	..	3	..	1	..	2	..	..	33	33	0'08	
Premature Birth	40	..	49	..	30	..	47	..	21	..	33	..	24	..	10	..	25	282	..	282	0'69	
Malformations and Atelectasis (18)	8	..	10	..	3	..	13	..	7	..	3	1	3	..	1	..	5	55	1	56	0'14	
Old Age ..	..	42	..	72	..	25	..	73	..	49	..	36	..	26	..	12	..	..	366	366	0'90	
Brain Disease ..	..	33	..	38	..	31	2	19	1	4	2	21	..	10	..	7	..	5	173	175	0'44	
Meningitis ..	7	5	7	4	11	2	21	1	7	1	13	4	5	1	1	..	4	70	21	97	0'24	
Apoplexy ..	..	23	..	33	..	12	..	30	..	6	..	20	..	12	..	2	..	..	142	142	0'35	
Paralysis ..	..	10	..	24	..	9	..	15	..	6	..	15	..	7	..	6	..	..	93	99	0'24	
Gen. Paralysis—Insanity ..	..	..	..	1	..	1	..	..	..	..	..	5	..	2	..	..	..	..	9	9	0'02	
Epilepsy ..	..	2	..	3	..	2	..	8	2	1	2	3	..	4	..	..	..	4	25	29	0'07	
Convulsions ..	52	1	50	1	35	..	46	1	23	..	33	1	16	..	7	..	14	275	4	280	0'69	
Laryngismus Stridulus	1	..	3	..	1	..	4	..	1	..	2	..	..	..	1	..	1	14	..	14	0'03	
Other Diseases of Nervous System	2	3	..	5	..	3	2	1	..	2	1	2	..	3	1	1	..	6	22	28	0'07	
Dis. of Organs of Special Sense	4	2	..	1	..	..	2	3	..	..	1	1	1	1	..	1	..	9	13	22	0'05	
Endocarditis, &c.	..	16	2	32	..	17	..	22	..	17	..	42	..	22	..	2	..	2	181	183	0'45	
Pericarditis ..	..	2	..	2	..	7	..	..	..	1	..	..	..	1	..	..	..	..	8	8	0'02	
Heart Disease ..	2	59	..	80	..	34	..	46	..	17	..	37	..	26	..	21	..	3	337	339	0'83	
Angina Pectoris	..	1	..	2	..	1	..	..	..	1	..	1	..	1	..	1	..	..	5	5	0'01	
Syncope ..	..	2	..	3	..	1	..	1	..	1	..	1	..	1	..	1	..	1	9	10	0'02	
Aneurism ..	..	2	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	4	4	0'01	
Other Circulatory	..	3	..	4	..	3	..	2	..	..	..	1	..	2	..	1	..	..	17	17	0'04	
Laryngitis ..	2	1	4	..	1	..	9	..	1	..	1	3	1	..	..	..	..	19	5	24	0'06	
Croup (Membranous) ..	6	..	6	1	..	..	3	1	1	..	2	1	1	..	..	1	..	19	4	23	0'06	
Croup ..	2	..	3	..	2	..	..	5	5	..	5	..	..	..	..	..	..	17	..	17	0'04	
Bronchitis ..	55	104	68	128	56	64	45	49	32	24	50	63	34	32	14	14	11	365	501	866	2'12	
Broncho-Pneumonia ..	40	6	34	5	39	5	27	6	21	6	37	5	9	2	3	2	..	205	37	242	0'59	
Pneumonia ..	13	47	14	45	9	23	34	36	2	20	7	42	3	13	6	6	1	85	252	337	0'83	
Pleuro-Pneumonia ..	..	..	..	1	..	..	..	..	..	..	1	2	..	..	..	1	..	1	4	5	0'01	
Pleurisy ..	..	3	..	1	..	2	..	..	..	..	..	2	..	1	..	1	..	..	11	11	0'03	
Other Respiratory	1	9	2	10	1	3	4	6	1	2	4	5	1	1	1	..	..	16	41	57	0'14	

TABLE C (continued).

TOWNSHIPS, &c.	LEEDS.						Deaths of outsiders occurring in City.	TOTAL mortality in City.			Annual rate per 1,000
	North.		West.		South E.			under 5	over 5	all ages.	
	under 5	over 5	under 5	over 5	under 5	over 5					
Under and over 5 {											
Stomatitis ..	2	..	1	..	..	..	3	..	..	10	0'02
Dentition ..	21	..	20	..	11	..	34	..	..	160	0'39
Tonsillitis, &c ..	1	1	1	2	..	..	1	..	7	8	0'02
Dis. of Stomach ..	1	5	1	5	1	1	4	3	..	10	0'10
Enteritis ..	11	..	43	9	3	17	11	3	..	124	0'35
Hernia ..	1	1	..	5	..	..	3	..	2	1	0'04
Fistula ..	..	2	..	..	..	..	..	..	..	..	0'01
Peritonitis ..	..	5	1	6	..	4	..	5	..	2	0'08
Ascitis ..	..	..	..	..	1	..	1	..	..	..	0'00
Jaundice ..	2	..	2	..	1	..	1	..	..	14	0'04
Girrhosis ..	..	13	..	14	3	7	4	4	..	3	0'14
Dis. of Liver ..	..	4	..	7	..	2	3	..	..	..	0'07
Dis. of Bowels..	2	6	6	6	..	7	1	3	..	16	0'14
Disease of ductless Glands ..	..	1	1	4	1	..	1	1	..	3	0'03
Nephritis ..	2	14	..	26	1	9	..	12	8	6	0'25
Kidney Disease ..	..	9	..	19	..	8	..	8	9	1	0'18
Albuminuria ..	..	2	..	2	..	..	..	1	..	1	0'02
Other Urinary ..	..	..	..	8	..	3	..	2	2	..	0'06
Dis. of Generative Organs ..	1	2	..	6	..	..	..	4	2	1	0'06
Childbirth ..	2	5	1	10	..	2	5	5	3	7	0'13
Disease of Bones (11), Joints (6), Arthritis (5) }	..	3	..	4	..	2	..	2	3	1	0'05
Ulcer; Phlegmon (o) Skin Disease ..	..	2	..	7	..	3	..	1	4	..	0'06
Injury ..	15	19	12	44	9	35	24	3	10	57	0'65
Lead Poisoning ..	..	..	..	..	..	..	1	..	..	..	0'00
Mortification ..	..	2	..	1	..	2	..	1	2	2	0'04
Debility ..	22	1	17	3	3	1	13	1	3	89	0'24
Marasmus, Atrophy ..	49	1	43	40	..	..	36	1	2	240	0'59
Tumour ..	..	3	..	4	..	..	1	1	..	1	0'03
Abscess ..	1	1	1	4	..	2	..	1	1	8	0'06
Other causes ..	..	..	1	..	..	..	..	..	..	1	0'00
Total under 5 and over 5 ..	707	729	647	972	435	461	469	559	232	344	..
Total ..	1,436	1,620	896	1,215	602	1,023	576	273	131	190	19'97
Mortality per 1,000 per annum ..	23'10	19'03	26'31	18'80	22'53	18'38	15'47	16'82	12'28	13'78	..

NOTES TO TABLE C.

This table is printed for the first time in the report for 1892. In it the causes of death are more detailed than in the other tables. They are classified as in Table A, part 2, according as the deaths were those of persons under or over the age of five. All the deaths which occurred in the following public institutions: the Infirmary, the Women and Children's Hospital, the Borough Fever and Small-pox Hospitals, the Leeds, Hunslet, Holbeck, and Bramley Workhouses, have been classified under the districts to which the patients belonged. The 175 deaths of persons who belonged to no district in the city have been separated in two columns by themselves, as deaths of outsiders; these deaths are, however, included in the total mortality of the city. As far as possible, the order of the Registrar-General has been followed in the arrangement of this table. The horizontal lines correspond with the groups in the Registrar-General's annual report.

Septicæmia includes deaths from pyæmia (3), phlebitis (1), phagedæna (0), septicæmia (not puerperal) (7). *Parasitic diseases* include (6) due to thrush, and (1) to hydatid liver, and (1) to actinomycosis. *Starvation* includes scurvy (1), purpura hæmorrhagica (3), privation and want of breast milk, from which, however, there was no death, and inanition (59 deaths). *Rheumatic fever* in reports previous to 1892 had only the deaths ascribed in those terms to this disease by the medical attendant. Deaths from acute and sub-acute rheumatism had previously been classed under "rheumatism." A separate line has been given, both in Table C, Table A, and Tables 17 and 18, to prevent confusion and enable comparison. "*Rheumatism*" includes chronic rheumatism and disease simply described as "rheumatism" (see Report, 1893, page 144). *Anæmia* includes chlorosis (0), but not leucocythemia; deaths from the latter being referred to diseases of the ductless glands. In *malformations* are included cyanosis (3), patent foramen ovale (2), spina bifida (17), atelectasis (18), imperforate anus (0), cleft palate (1), harelip (0), and (15) other congenital defects.

Brain disease includes deaths registered from such causes as cerebral congestion, cerebral hæmorrhage, cerebral meningitis, and softening of the brain. *Meningitis* includes diseases classified as meningitis (96), and spinal (1) meningitis, but not tuberculous. *Apoplexy* includes all apoplexies not otherwise defined. *Paralysis* includes hemiplegia, paraplegia, and "paralysis." *General paralysis* (9) is included under insanity, and does not include deaths from "softening of the brain." *Convulsions* includes diseases so certified, and 2 deaths due to "fits." Fits of apoplexy, &c., come under other headings. We have tried, as far as possible, to keep to the old headings.

Endocarditis, &c., includes valvular disease of the heart. "Heart disease" includes such diseases as hypertrophy, atrophy, fatty degeneration, weak heart, cardiac disease or degeneration and "disease of the heart." *Angina pectoris* includes only those deaths in which the symptom but no disease is stated. *Aneurism* includes all the aneurisms so stated. *Other diseases of the circulatory system* includes atheroma. *Other respiratory diseases* includes asthma (12), emphysema (5), empyæma (5), pulmonary congestion (23), "lung disease" (4), and others (8). *Diseases of the stomach* includes dyspepsia, hæmatemesis, gastritis. *Diseases of the bowels* includes melæna, ulcer of intestines, obstruction of bowels, strangulation not due to hernia, intussusception. *Kidney disease* includes deaths from granular kidney (2), Bright's disease (56), other kidney diseases (14), and uræmia (0). *Albuminuria* includes only diseases in which the symptom without any pathological cause was registered. *Diseases of the urinary system* includes calculus, hæmaturia, cystitis and other diseases of the bladder. *Disease of the generative organs* includes uterine disease (3), ovarian disease (3), and other diseases from the generative organs, male (15), female (5). *Childbirth* includes all the accidents of parturition, except puerperal fever.

Diseases of the bones and joints includes disease of the spinal column, but not, of course, such diseases as spinal sclerosis, which are now referred to disease of the nervous system. A comparison of mortality previous to 1890 is difficult, as the term spinal disease was used to include both diseases of the spinal column and of the spinal marrow. *Abscess* (24) includes cellulitis (7), phlegmon (0). *Injury* includes deaths from accident or negligence, homicide, suicide, and execution. *All other causes* includes one death which cannot be classed under any of the groups.

TABLE D.

Shewing death-rates from certain causes for the years 1890-1-2-3-4-5-6-7.

	SEVEN COMMON ZYMOTICS.									Croup (mem- branous and undefined)	Phthisis.	Influenza and diseases of the air-passages other than consumption.
	Small-pox	Measles.	Scarlatina.	Diph- theria.	Whooping cough.	"Fever."	Diarrhoea.	All seven.				
1890 (53 wks.)	0'00	0'27	0'28	0'07	0'50	0'30	0'98	2'39	0'09	1'66	5'62	
1891 (52 wks.)	0'00	0'71	0'18	0'04	0'41	0'20	0'86	2'41	0'08	1'79	6'11	
1892 (52 wks.)	0'02	0'20	0'20	0'08	0'42	0'17	1'10	2'18	0'13	1'42	4'56	
1893 (52 wks.)	0'08	0'90	0'08	0'15	0'44	0'30	1'60	3'55	0'18	1'70	4'60	
1894 (52 wks.)	0'01	0'75	0'13	0'15	0'34	0'14	0'45	1'98	0'17	1'49	3'64	
1895 (52 wks.)	...	0'35	0'13	0'10	0'29	0'22	1'58	2'65	0'12	1'55	4'34	
1896 (53 wks.)	0'00	0'48	0'18	0'10	0'60	0'21	0'69	2'27	0'09	1'50	4'02	
1897 (52 wks.)	...	0'40	0'23	0'13	0'24	0'21	1'58	2'79	0'10	1'44	3'90	

TABLE E, Part I.

The following Births and Deaths were recorded in the several Sub-Registration Districts of the City of Leeds during the fifty-two weeks ended 1st January, 1898. The figures in italics after the Births and Deaths give the proportion per annum per 1,000 of the estimated population.

Districts.	Births.	Birth Rate.	Deaths.	Death Rate.	
				All causes.	7 Zymotics.
North	2,338	37·3	1,436	23·1	4·2
West	2,180	25·6	1,620	19·0	2·5
South-East	1,183	32·7	896	26·3	4·2
Hunslet	2,292	35·5	1,215	18·8	2·7
Holbeck	997	37·3	602	22·5	2·5
Wortley	1,765	31·9	1,028	18·6	2·4
Kirkstall	1,026	27·6	576	15·5	2·3
Bramley	483	29·8	273	16·8	1·6
Chapelton	638	24·4	321	12·3	1·4
Osmondthorpe	10	23·0	6	13·8	...
<i>Outsiders</i>	...	...	175	...	...
Totals	12,912	31·6	8,148	20·0	2·8

Considered as occurring in the Municipal Wards, the foregoing Deaths are classed as follows:—

Wards.			Deaths.	Death Rate.	Wards.			Deaths.	Death Rate.
Eastern Division.					Western Division.				
Central	...	...	463	20·4	Mill Hill	...	...	160	20·1
North	...	...	640	16·6	West	...	...	567	22·6
North-East	...	...	672	26·5	North-West	...	...	567	18·5
East	...	...	696	26·1	Brunswick...	...	...	349	14·7
South	...	...	388	22·8	New Wortley	...	...	379	19·2
East Hunslet	...	...	576	20·7	Armley	...	...	591	18·7
West Hunslet	...	...	458	16·1	Bramley	...	...	331	16·3
Holbeck	...	...	551	22·9	Headingley	...	...	585	15·3

In both these tables deaths occurring in public institutions have been referred to the districts to which the patients belonged. The births in workhouses are included in those of the districts in which these institutions are situated. There was one death at Manston Hospital during the year.

TABLE E,* Part 2.

The following Births and Deaths were recorded in the several Sub-Registration Districts of the City of Leeds during the thirteen weeks ended April 3rd, 1897. The figures in italics after the Births and Deaths give the proportion per annum per 1,000 of the estimated population.

Districts.	Births.	Birth Rate.	Deaths.	Death Rate.	
				All causes.	7 Zymotics.
LEEDS. { North	617	39·7	318	20·5	2·1
{ West	564	26·5	410	19·3	1·0
{ South-East	331	38·9	201	23·6	0·5
Hunslet	603	37·3	324	20·1	0·9
Holbeck	257	38·5	158	23·6	0·7
Wortley	431	31·2	274	19·8	1·2
Kirkstall	267	28·7	147	15·8	1·0
Bramley	129	31·8	76	18·7	1·7
Chapelton	153	23·4	92	14·1	1·4
Osmondthorpe	3	27·6	1	9·2	...
<i>Outsiders</i>	...	...	49	...	...
Totals	3,355	32·9	2,050	20·1	1·2

Considered as occurring in the Municipal Wards, the foregoing Deaths are classed as follows:—

Wards.			Deaths.	Death Rate.	Wards.			Deaths.	Death Rate.
Eastern Division.					Western Division.				
Central	...	...	111	19·6	Mill Hill	...	...	41	20·6
North	...	...	157	16·3	West	...	...	141	22·5
North-East	...	...	146	23·0	North-West	...	...	150	19·6
East	...	...	141	21·1	Brunswick	...	...	88	14·8
South	...	...	91	21·4	New Wortley	...	...	94	19·2
East Hunslet	...	...	150	21·6	Armley	...	...	158	20·0
West Hunslet	...	...	131	18·4	Bramley	...	...	97	19·0
Holbeck	...	...	155	25·8	Headingley	...	...	150	15·6

In both these tables deaths occurring in public institutions have been referred to the districts to which the patients belonged. The births in workhouses are included in those of the districts in which these institutions are situated. There was one death at Manston Hospital during this quarter from meningitis.

TABLE E, Part 3.

The following Births and Deaths were recorded in the several Sub-Registration Districts of the City of Leeds during the thirteen weeks ended 3rd July, 1897. The figures in italics after the Births and Deaths give the proportion per annum per 1,000 of the estimated population.

Districts.	Births.	Birth Rate.	Deaths.	Death Rate.	
				All causes.	Zymotics.
North	603	<i>38.8</i>	293	<i>18.9</i>	<i>1.2</i>
West	604	<i>28.4</i>	330	<i>15.5</i>	<i>0.5</i>
South-East	297	<i>34.9</i>	184	<i>21.3</i>	<i>1.3</i>
Hunslet	561	<i>34.7</i>	251	<i>15.5</i>	<i>1.1</i>
Holbeck	230	<i>34.4</i>	135	<i>20.2</i>	<i>1.0</i>
Wortley	433	<i>31.3</i>	218	<i>15.8</i>	<i>0.9</i>
Kirkstall	247	<i>26.5</i>	129	<i>13.9</i>	<i>1.2</i>
Bramley	119	<i>29.3</i>	64	<i>15.8</i>	<i>0.2</i>
Chapelton	165	<i>25.2</i>	69	<i>10.6</i>	<i>0.2</i>
Osmondthorpe	1	<i>9.2</i>	2	<i>18.4</i>	...
<i>Outsiders</i>	...	...	37	...	...
Totals	3,260	<i>32.0</i>	1,712	<i>16.8</i>	<i>0.9</i>

Considered as occurring in the Municipal Wards, the foregoing Deaths are classed as follows :—

Wards.		Deaths.	Death Rate.	Wards.		Deaths.	Death Rate.
Eastern Division.				Western Division.			
Central	104	18·3	Mill Hill	40	20·1		
North	133	13·8	West	120	19·1		
North-East	133	21·0	North-West	102	13·3		
East	133	19·9	Brunswick	72	12·1		
South	91	21·4	New Wortley	72	14·7		
East Hunslet	123	17·7	Armley	134	16·9		
West Hunslet	91	12·8	Bramley	76	14·9		
Holbeck	118	19·6	Headingley	133	13·8		

In both these tables deaths occurring in public institutions have been referred to the districts to which the patients belong. The births in workhouses are included in those of the districts in which these institutions are situated. There was no death at Maunton Hospital during the quarter.

TABLE E, Part 4.

The following Births and Deaths were recorded in the several Sub-Registration Districts of the City of Leeds during the thirteen weeks ended 2nd October, 1897. The figures in italics after the Births and Deaths give the proportion per annum per 1,000 of the estimated population.

Districts.	Births.	Birth Rate.	Deaths.	Death Rate.	
				All causes.	7 Zymotics.
North	543	34·9	421	27·1	8·8
West	514	24·2	423	19·9	4·7
South-East	278	32·7	282	33·1	12·2
Hunslet	557	34·5	355	22·0	7·6
Holbeck	258	38·6	161	24·1	6·9
Wortley	460	33·3	269	19·4	5·9
Kirkstall	257	27·6	148	15·9	4·5
Bramley	125	30·8	69	17·0	3·5
Chapelton	174	26·6	71	10·9	3·4
Osmondthorpe	1	9·2	1	9·2	...
<i>Outsiders</i>	...	...	45	...	...
Totals	3,167	31·0	2,245	22·0	6·6

Considered as occurring in the Municipal Wards, the foregoing Deaths are classed as follows:—

Wards.	Deaths.	Death Rate.	Wards.	Deaths.	Death Rate.
Eastern Division.			Western Division.		
Central	122	21·5	Mill Hill	52	26·1
North	177	18·4	West	152	24·1
North-East	204	32·1	North-West	133	17·3
East	230	34·4	Brunswick	87	14·6
South	122	28·7	New Wortley	113	23·1
East Hunslet	166	23·9	Armley	143	18·1
West Hunslet	120	16·9	Bramley	82	16·1
Holbeck	149	24·8	Headingley	148	15·4

In both these tables deaths occurring in public institutions have been referred to the districts to which the patients belonged. The births in workhouses are included in those of the districts in which these institutions are situated. There was no death at Manston Hospital during this quarter.

TABLE E, Part 5.

The following Births and Deaths were recorded in the several Sub-Registration Districts of the City of Leeds during the thirteen weeks ended January 1st, 1898. The figures in italics after the Births and Deaths give the proportion per annum per 1,000 of the estimated population.

Districts.	Births.	Birth Rate.	Deaths.	Death Rate.	
				All causes.	Zymotics.
LEEDS. North ...	575	37·0	404	26·0	4·9
West ...	498	23·4	457	21·5	4·0
South-East ...	277	32·5	229	26·9	2·8
Hunslet ...	571	35·3	285	17·6	1·4
Holbeck ...	252	37·7	148	22·1	1·3
Wortley ...	441	31·9	267	19·3	1·6
Kirkstall ...	255	27·4	152	16·3	2·7
Bramley ...	110	27·1	64	15·8	1·2
Chapelton ...	146	22·3	89	13·6	0·9
Osmondthorpe ...	5	45·9	2	18·3	...
<i>Outsiders</i> ...	...	...	44	...	...
Totals ...	3,130	30·7	2,141	21·0	2·7

Considered as occurring in the Municipal Wards, the foregoing Deaths are classed as follows:—

Wards.			Deaths.	Death Rate.	Wards.			Deaths.	Death Rate.
Eastern Division.					Western Division.				
Central	...	...	126	22·2	Mill Hill	...	...	27	13·5
North	...	...	173	17·9	West	...	...	154	24·6
North-East	...	...	189	29·8	North-West	...	...	182	23·7
East	...	...	192	28·8	Brunswick	...	...	102	17·1
South	...	...	84	19·8	New Wortley	...	...	100	20·4
East Hunslet	...	...	137	19·7	Armley	...	...	156	19·7
West Hunslet	...	...	116	16·3	Bramley	...	...	76	14·9
Holbeck	...	...	129	21·4	Headingley	...	...	154	16·1

In both these tables deaths occurring in public institutions have been referred to the districts to which the patients belonged. The births in workhouses are included in those of the districts in which these institutions are situated. There was no death at Manston Hospital during this quarter.

TABLE E, Part 6.

The following Births and Deaths were recorded in the several Sub-Registration Districts of the City of Leeds during the thirteen weeks ended April 2nd, 1898. The figures in italics after the Births and Deaths give the proportion per annum per 1,000 of the estimated population.

Districts.	Births.	Birth Rate.	Deaths.	Death Rate.	
				All causes.	7 Zymotics.
LEEDS. { North	579	37.1	363	23.3	3.7
{ West	546	25.2	435	20.0	2.0
{ South-East	288	33.7	237	27.7	5.4
Hunslet	526	32.0	269	16.4	1.6
Holbeck	268	39.3	138	20.2	2.2
Wortley	433	30.7	235	16.7	1.6
Kirkstall	256	26.6	124	12.9	1.2
Bramley	109	26.5	74	18.0	2.9
Chapelton	158	23.5	91	13.5	0.9
Osmondthorpe	2	18.3	5	45.8	...
Outsiders	...	...	43	...	...
Totals	3,165	30.5	2,014	19.4	2.3

Considered as occurring in the Municipal Wards, the foregoing Deaths are classed as follows:—

Wards.			Deaths.	Death Rate.	Wards.			Deaths.	Death Rate.
Eastern Division.					Western Division.				
Central	...	...	120	21.2	Mill Hill	...	...	35	16.0
North	...	...	166	16.9	West	...	...	143	22.7
North-East	...	...	168	26.3	North-West	...	...	169	21.7
East	...	...	186	27.7	Brunswick	...	...	94	15.5
South	...	...	110	26.0	New Wortley	...	...	91	18.5
East Hunslet	...	...	127	18.0	Armley	...	...	129	15.9
West Hunslet	...	...	93	12.7	Bramley	...	...	89	17.2
Holbeck	...	...	123	20.1	Headingley	...	...	128	12.9

In both these tables deaths occurring in public institutions have been referred to the districts to which the patients belonged. The births in workhouses are included in those of the districts in which these institutions are situated. There was one death at Manston Hospital during this quarter from small-pox.

TABLE F, Part I.

Shewing Births, Deaths, from all and certain causes, Home Patients of the Dispensary, admissions to the Fever Hospitals, and some of the Meteorological conditions and the Death-rates from certain causes in Leeds; with the Birth and Death-rates from all causes in the 33 large English towns for each of the thirteen weeks ended April 3rd, 1897.

1897.	JANUARY.				FEBRUARY.				MARCH.					TOTALS OR AVERAGES.	
	Jan. 9th.	Jan. 16th.	Jan. 23rd.	Jan. 30th.	Feb. 6th.	Feb. 13th.	Feb. 20th.	Feb. 27th.	Mar. 6th.	Mar. 13th.	Mar. 20th.	Mar. 27th.	April 3rd.		
Total Births	1	279	251	239	242	233	288	262	256	247	247	268	270	273	3,355
Total Deaths	2	172	161	160	158	169	161	157	163	159	156	162	132	140	2,050
Under 1 year	3	34	31	34	32	38	30	33	49	47	41	48	23	33	473
1 to 2 years.....	4	14	14	6	10	9	9	12	15	13	7	15	14	8	146
2 to 5 years.....	5	14	13	11	12	8	15	9	9	10	6	8	13	5	133
5 to 60 years	6	60	53	62	60	66	67	64	58	49	58	51	48	61	757
60 yrs. and upwards	7	50	50	47	44	48	40	39	32	40	44	40	34	33	541
Deaths: Small-pox..	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	9	6	5	3	1	...	2	3	4	1	2	1	4	2	34
Scarlet Fever	10	2	4	...	4	2	4	3	2	2	2	3	2	1	31
*Diphtheria	11	3	1	1	1	4	1	1	...	2	...	2	2	1	19
Whooping-cough..	12	3	1	2	4	...	1	1	2	...	1	2	1	...	18
Typhus Fever.....	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever.....	14	...	2	...	...	2	1	...	3	1	...	2	1	1	13
Other or doubtful	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea or Dysent.	16	...	1	...	...	...	...	...	1	...	1	1	1	...	5
All seven.....	17	14	14	6	10	8	9	8	12	6	6	11	11	5	120
Cholera	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup	19	...	1	...	2	2	...	...	...	...	...	...	1	1	7
Dis. of Resp. System	20	38	40	34	34	40	37	39	41	37	35	45	27	40	488
Influenza†	21	...	...	1	...	1	...	...	...	2	1	2	2	2	11
Phthisis	22	13	10	15	13	13	12	15	14	11	8	14	15	7	160
Dis. of Circul. System	23	11	13	18	16	9	8	15	9	11	15	10	9	6	150
Violent Deaths	24	6	5	8	4	7	6	8	7	5	3	1	2	3	65
Inquest cases	25	15	12	22	14	13	15	13	12	10	15	9	8	10	168
Deaths in Pub. Inst.	26	11	20	19	16	27	13	21	12	23	19	15	12	25	233
Dispensary: visits pd.	27	282	304	296	319	339	360	405	429	378	391	392	374	326	4,595
Cases admitted to our own hospitals	28	11	16	14	18	24	23	13	14	18	10	18	3	9	191
Barom. (inches)	29	29.70	29.78	29.81	29.55	29.36	29.86	30.08	30.05	29.16	29.64	29.32	29.54	29.27	29.63
Attached Ther. °F....	30	45.62	45.31	42.31	39.54	41.92	44.85	50.15	53.23	47.08	47.00	49.69	54.85	47.00	46.81
Dry bulb.....	31	37.77	37.62	34.08	33.85	34.92	41.38	46.92	50.00	41.62	43.00	47.23	52.54	41.15	41.70
Wet bulb.....	32	36.54	36.01	32.77	31.39	33.85	39.07	44.23	46.31	37.92	39.46	44.00	48.31	37.00	38.99
Humidity	33	89.15	85.92	86.68	75.24	88.98	82.14	80.92	75.54	73.08	74.77	77.38	73.38	70.23	79.50
Mn. of highest reading	34	39.86	39.29	36.28	37.00	37.14	44.86	50.14	52.43	46.00	46.57	50.14	57.30	45.01	44.78
„ lowest „	35	34.71	33.57	29.43	29.00	32.00	35.14	42.28	44.14	34.57	35.43	40.00	47.30	34.01	36.29
„ daily range	36	5.15	5.72	6.85	8.00	5.14	9.72	7.86	8.29	11.43	11.14	10.14	10.00	11.00	8.49
Total rainfall (inches)	37	1.64	0.18	0.22	0.14	1.90	0.08	0.62	0.09	1.16	0.41	0.66	0.45	0.12	7.67
Wind (Direction) ...	38	SE	N NW	NW NE	NW	N	NW SE	SW	SW NW	NW	S SE	SE NW	NW SW	NW SE	...
(Force 0-6) ...	39	1	1	1	1	1	1	1	2	2	1	2	2	1	1
Amount of Cloud 0-10	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Birth-rate (Leeds) ...	41	35.4	32.0	30.5	30.8	29.7	36.7	33.4	32.6	31.5	31.5	34.2	34.4	34.8	32.9
Death-rate (Leeds)...	42	21.0	20.5	20.3	20.1	21.5	20.5	20.0	20.8	20.3	19.9	20.6	16.8	17.8	20.1
Death-rate (33 towns)	43	32.9	33.8	30.0	31.2	31.0	35.4	31.9	31.5	30.4	31.7	30.3	31.8	30.7	31.7
Birth-rate (33 towns)	44	19.4	19.2	19.7	20.6	20.8	19.6	18.8	19.4	18.1	18.6	18.7	18.7	18.3	19.2
D. R. lung dis. (Leeds)	45	4.8	5.1	4.3	4.3	5.1	4.7	5.0	5.2	4.7	4.5	5.7	3.4	5.1	4.8
D. R. 7 zymotics „	46	1.8	1.8	0.8	1.3	1.0	1.1	1.0	1.5	0.8	0.8	1.4	1.4	0.6	1.2

The Dispensary returns are furnished me by the kindness of the resident staff, and have regard to a week ended in each case a day earlier than that given in the heading.

The meteorological data are compiled from returns sent me by Mr. Crowther. They are uncorrected readings, made at 10 a.m. and 4 p.m. The humidity each week is the average of the humidities calculated on each of the thirteen observations of the wet and dry bulbs. The corrected humidity in Mr. Glaisher's report for the quarter is, for the calendar month of January, 81; February, 85; March, 78. Average, 81.

* Including membranous croup. Line 19 includes non-spasmodic croup not returned as membranous.

† Line 21 is included in line 20.

TABLE F, Part 2.

Showing Births, Deaths, from all and certain causes, Home Patients of the Dispensary, admissions to the Fever Hospitals, and some of the Meteorological conditions and the Death Rates from certain causes in Leeds; with the Birth and Death Rates from all causes in the 33 large English towns for each of the thirteen weeks ended July 3rd, 1897.

1897.		APRIL.				MAY.				JUNE.					TOTALS OR AVERAGES.
		April 10th.	April 17th.	April 24th.	May 1st.	May 8th.	May 15th.	May 22nd.	May 29th.	June 5th.	June 12th.	June 19th.	June 26th.	July 3rd.	
Total births	1	248	214	203	283	272	270	242	258	262	235	260	216	297	3,260
Total deaths	2	126	176	139	138	160	107	145	144	124	125	125	112	91	1,712
Under 1 year	3	29	31	21	29	28	30	35	36	26	32	32	31	26	386
1 to 2 years	4	6	18	8	7	8	8	5	6	12	10	9	5	6	108
2 to 5 years	5	6	15	9	10	10	3	8	11	4	10	6	12	7	111
5 to 60 years	6	44	64	60	53	70	41	55	50	47	46	42	45	29	652
60 yrs. and upwards	7	41	48	41	39	44	25	42	35	35	27	36	19	22	455
Deaths : Small pox	8														
Measles	9	2	2		1	4	2	2	1	1	1	5	2	2	25
Scarlet fever	10		1	1	2	2		3	1	1		3	1		15
†Diphtheria	11	1	3	2		1		1	1	2			2	1	14
Whooping-cough	12			1	1		1	2		2	2	2		1	12
Typhus fever	13														
Enteric fever	14			4		1		2	1		1	2		1	12
Other or doubtful	15														
Diarrhoea or dysent.	16				1	1	3	1	1				2	3	12
All seven	17	3	6	8	5	9	6	11	5	6	4	12	7	8	90
Cholera	18														
Croup	19		1			2			1					1	5
Dis. of resp. system	20	31	51	32	36	35	27	34	25	23	33	23	15	14	379
Influenza	21	3	1	4	3	6			3		2		2		24
Phthisis	22	9	10	13	7	14	11	13	18	6	8	13	14	7	143
Dis. of circul. system	23	9	13	8	12	12	6	9	14	12	12	8	8	8	131
Violent deaths...	24	3	8	8	8	5	4	6	8	6	6	2	5	7	76
Inquest cases	25	11	16	17	14	10	10	11	13	15	13	5	7	10	152
Deaths in Pub. Inst.	26	7	22	23	26	26	10	16	20	19	12	20	10	8	219
*Dispensary: visits pd	27	323	369	283	305	317	319	363	336	369	276	290	280	303	4,133
Cases admitted to our own hospitals	28	13	11	10	8	11	18	15	13	15	15	9	8	11	157
Barom. (inches)	29	29.73	29.60	29.75	29.73	29.75	29.96	30.01	29.43	29.93	29.97	29.67	29.88	29.86	29.79
Attached ther. °F.	30	40.46	50.68	50.70	52.38	52.15	50.85	54.54	54.69	60.50	59.31	60.15	62.15	63.77	55.19
Dry bulb	31	45.31	49.75	49.69	53.00	52.31	49.92	57.00	56.23	62.70	61.46	58.00	67.08	65.92	55.95
Wet bulb	32	40.00	44.59	44.00	47.38	46.23	43.00	50.07	50.46	58.00	54.69	51.69	59.38	60.38	40.88
Humidity	33	65.54	68.25	65.46	67.62	64.38	60.54	62.38	67.38	75.50	66.23	65.54	62.85	71.62	66.23
Mn. of highest reading	34	49.14	52.71	53.71	57.14	56.57	54.86	63.28	61.86	69.00	65.86	64.43	70.86	71.71	60.61
„ lowest ..	35	34.57	44.30	39.86	42.14	41.43	39.71	43.00	44.43	53.60	50.71	50.57	55.00	56.57	45.34
„ daily range ...	36	14.57	8.41	13.85	15.00	15.14	15.15	20.28	17.43	15.40	15.15	13.86	15.86	15.14	15.27
Total rainfall (inches)	37	0.22	1.07	0.35	0.12	0.02	0.13		0.85	0.26	0.34	1.49		0.83	5.68
Wind (direction) ...	38	SE	SE NW	SE NW	NW SE	NWSW	N NW	N NE	SE NW	NW	SE	NW	NW SE	NW SE	
force 0-6 ..	39	1	2	2	1	2	1	1	1	1	1	2	1	1	1
Amount of cloud 0-10	40														
Birth rate (Leeds) ..	41	31.6	27.3	25.9	36.1	34.7	34.4	30.8	32.9	33.4	29.9	33.1	27.5	37.8	32.0
Death rate (Leeds)...	42	16.1	22.4	17.7	17.6	20.4	13.6	18.5	18.3	15.8	15.9	15.9	14.3	11.6	16.8
„ (33 towns)	43	18.6	17.9	18.8	18.3	17.0	16.5	17.2	16.6	17.4	15.7	15.8	15.7	14.7	16.9
Birth rate (33 towns)	44	31.1	27.3	29.5	33.2	31.1	30.1	29.0	29.6	31.2	26.1	31.4	27.1	33.8	30.0
D. R. lung dis. (Leeds)	45	4.0	6.5	4.1	4.6	4.5	3.4	4.3	3.2	2.9	4.2	2.9	1.9	1.8	3.7
D. R. seven zymotics	46	0.4	0.8	1.0	0.6	1.1	0.8	1.4	0.6	0.8	0.5	1.5	0.9	1.0	0.9

The Dispensary returns are furnished me by the kindness of the resident staff, and have regard to a week ended in each case a day earlier than that given in the heading. The meteorological data are compiled from returns sent me by Mr. Crowther. They are uncorrected readings made at 10 a.m. and 4 p.m. The humidity each week is the average of the humidities calculated on each of the thirteen observations of the wet and dry bulbs. The corrected humidity in Mr. Glaisher's report for the quarter is, for the calendar month of April, 76; May, 68; June, 76. Average, 73.

* Altered from last year's tables, which showed new ordinary patients. † Including Membranous Croup.

TABLE F, Part 3.

Shewing Births, Deaths, from all and certain causes, Home Patients of the Dispensary, admissions to the Fever Hospitals, and some of the Meteorological conditions and the Death-rates from certain causes in Leeds: with the Birth and Death-rates from all causes in the 33 large English towns for each of the thirteen weeks ended October 2nd, 1897.

1897.		JULY.				AUGUST.				SEPTEMBER.					TOTALS OR AVERAGES.
		July 10th.	July 17th.	July 24th.	July 31st.	Aug. 7th.	Aug. 14th.	Aug. 21st.	Aug. 28th.	Sept. 4th.	Sept. 11th.	Sept. 18th.	Sept. 25th.	Oct. 2nd.	
Total Births	1	244	277	228	269	199	271	253	250	228	237	253	227	231	3,167
Total Deaths	2	116	102	142	154	238	279	236	214	151	184	162	124	143	2,245
Under 1 year	3	34	34	43	77	116	173	128	104	72	81	59	47	42	1010
1 to 2 years	4	7	5	10	10	23	27	21	29	15	23	15	5	11	201
2 to 5 years	5	6	2	6	8	6	11	6	3	6	8	5	5	1	73
5 to 60 years	6	40	44	48	38	63	36	51	39	38	53	45	44	49	588
60 yrs. and upwards	7	29	17	35	21	30	32	30	39	20	19	38	23	40	373
Deaths: Small-pox..	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	9	3	1	1	2	4	5	1	2	1	1	...	...	2	23
Scarlet Fever	10	1	...	3	...	...	2	...	...	3	1	1	1	2	14
*Diphtheria	11	1	...	1	1	1	2	...	...	1	1	...	1	...	9
Whooping-cough..	12	4	...	2	2	1	1	...	1	1	...	3	...	2	17
Typhus Fever	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	14	1	...	2	1	...	2	3	...	...	3	1	1	3	17
Other or doubtful	15	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Diarrhoea or Dysent.	16	3	4	17	33	65	123	111	82	53	50	27	13	10	591
All seven	17	13	5	26	39	71	135	115	85	59	56	32	16	20	672
Cholera	18	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Croup	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dis. of Resp. System	20	21	13	21	13	22	9	14	17	7	17	10	9	15	188
Influenza	21	2	...	...	...	...	...	1	1	1	...	...	...	...	5
Phthisis	22	9	10	7	8	10	11	7	11	8	12	10	16	16	135
Dis. of Circul. System	23	8	6	6	11	9	11	10	7	12	12	11	14	15	132
Violent Deaths	24	1	1	10	3	2	7	4	4	3	8	3	3	3	52
Inquest cases	25	6	4	15	11	9	12	7	6	8	12	7	8	10	115
Deaths in Pub. Inst.	26	11	7	23	18	18	21	19	13	8	23	14	16	11	202
Dispensary: visits pd.	27	322	282	313	288	230	277	278	201	283	189	167	261	329	3,420
Cases admitted to our own hospitals	28	22	20	5	14	17	12	8	25	25	11	15	20	21	215
Barom. (inches)	29	29.71	30.03	29.74	29.75	29.84	29.72	29.50	29.55	29.49	29.91	29.90	29.61	29.88	29.75
Attached Ther. °F	30	60.62	64.62	64.08	66.23	70.15	65.69	63.54	61.38	61.23	55.70	58.08	57.92	56.54	61.98
Dry bulb	31	61.54	69.62	68.23	68.62	75.08	66.46	64.46	61.92	58.62	56.23	58.77	58.38	56.38	63.41
Wet bulb	32	54.00	59.00	60.31	60.31	64.77	58.54	56.85	56.15	53.54	50.77	53.39	53.00	53.08	56.44
Humidity	33	60.85	52.92	63.38	59.77	55.62	60.69	61.69	60.23	72.15	68.46	69.38	69.38	80.46	64.92
Mn. of highest reading	34	65.57	74.29	74.43	73.29	83.14	71.29	68.71	65.71	62.71	60.71	64.57	63.43	60.71	68.35
„ lowest „	35	51.86	52.14	55.43	57.29	58.57	55.86	55.14	53.29	51.28	46.14	49.71	49.71	46.43	52.53
„ daily range ..	36	13.71	22.15	19.00	16.00	24.57	15.43	13.57	12.42	11.43	14.57	14.86	13.72	14.28	15.82
Total rainfall (inches)	37	0.01	...	0.13	0.21	0.17	0.34	0.77	0.78	2.01	0.14	0.11	0.03	1.02	5.72
Wind { Direction ...	38	NW SW	SE	NW	NW	SE SW	SW	SW	NW SE	NW SW	NW NE	NE W	SW	SW	...
Force 0-6 ...	39	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Amount of Cloud 0-10	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Birth-rate (Leeds) ...	41	30.7	35.3	29.1	34.3	25.4	34.5	32.2	31.9	29.1	30.2	32.2	28.9	29.4	31.01
Death-rate (Leeds) ...	42	14.8	13.0	18.1	19.6	30.3	35.6	30.1	27.3	19.2	23.4	20.6	15.8	18.2	22.00
Death-rate (33 towns)	43	15.1	16.6	19.3	22.9	26.9	29.5	28.7	24.6	20.7	19.4	18.5	17.1	16.8	21.29
Birth-rate (33 towns)	44	32.2	31.4	31.1	31.6	27.4	34.2	32.3	32.4	28.8	32.3	31.4	29.3	29.9	31.12
D.R. lung dis. (Leeds)	45	2.7	1.7	2.7	1.7	2.8	1.1	1.8	2.2	0.9	2.2	1.3	1.3	1.9	1.9
	46	0.4	0.5	2.2	4.2	8.3	15.7	14.1	10.4	6.8	6.4	3.4	1.7	1.3	5.8

The Dispensary returns are furnished me by the kindness of the resident staff, and have regard to a week ended in each case a day earlier than that given in the heading.

The meteorological data are compiled from returns sent me by Mr. Crowther. They are uncorrected readings, made at 10 a.m. and 4 p.m. The humidity each week is the average of the humidities calculated on each of the thirteen observations of the wet and dry bulbs. The corrected humidity in Mr. Glaisher's report for the quarter is, for the calendar month of July, 65; August, 66; September, —. No return for September.

* Including membranous croup. Line 19 includes non-spasmodic croup not returned as membranous.

Line 46 gives the death rate from diarrhoea.

TABLE F, Part 4.

Shewing Births, Deaths, from all and certain causes, Home Patients of the Dispensary, admissions to the Fever Hospitals, and some of the Meteorological conditions and the Death-rates from certain causes in Leeds: with the Birth and Death-rates from all causes in the 33 large English towns for each of the thirteen weeks ended January 1st, 1898.

1897.		OCTOBER.				NOVEMBER.				DECEMBER.					TOTALS OR AVERAGES.	YEAR.
		Oct. 9th.	Oct. 16th.	Oct. 23rd.	Oct. 30th.	Nov. 6th.	Nov. 13th.	Nov. 20th.	Nov. 27th.	Dec. 4th.	Dec. 11th.	Dec. 18th.	Dec. 25th.	Jan. 1st.		
Total Births	1	221	251	275	231	253	244	254	244	233	248	241	180	255	3,130	12,912
Total Deaths	2	143	130	149	127	151	152	195	178	206	168	181	141	220	2,141	8,148
Under 1 year	3	38	40	35	37	47	46	58	46	50	37	46	39	66	585	2,454
1 to 2 years	4	13	12	20	15	15	18	22	19	28	22	21	17	17	239	694
2 to 5 years	5	11	3	11	13	9	14	18	14	25	21	13	15	22	189	506
5 to 60 years	6	55	50	62	43	51	45	60	65	71	50	62	39	65	718	2,715
60 yrs. and upwards	7	26	25	21	19	29	29	37	34	32	38	39	31	50	410	1,779
Deaths: Small-pox ..	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	9	1	2	1	6	5	9	8	4	10	14	8	9	6	83	165
Scarlet Fever	10	4	1	2	1	5	2	3	4	3	2	4	1	3	35	95
*Diphtheria	11	2	...	1	2	...	2	...	8	2	6	3	2	4	32	74
Whooping-cough ..	12	1	1	1	...	3	5	5	3	3	6	3	7	13	51	98
Typhus Fever	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	14	4	1	7	4	2	...	5	2	7	3	3	2	1	41	83
Other or doubtful ..	15	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2
Diarrhoea or Dysent.	16	12	7	3	4	2	2	2	1	...	...	...	1	1	35	643
All seven	17	24	12	15	17	17	20	23	22	25	31	22	22	28	278	1,160
Cholera	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Croup	19	...	...	1	...	1	1	...	...	...	...	...	...	2	5	17
Dis. of Resp. System	20	19	21	33	34	31	45	51	48	63	46	52	36	56	535	1,590
Influenza	21	...	1	...	...	1	...	1	...	2	2	...	...	1	8	48
Phthisis	22	9	14	14	9	10	8	17	11	9	10	13	11	16	151	580
Dis. of Circul. System	23	11	10	5	7	10	12	12	8	18	14	15	9	22	153	566
Violent Deaths	24	3	6	7	1	9	3	5	2	9	5	2	7	12	71	264
Inquest cases	25	10	20	12	9	14	9	14	9	18	15	5	19	37	191	626
Deaths in Pub. Inst.	26	18	14	21	10	16	14	17	23	30	11	15	10	28	227	881
Dispensary: visits pd.	27	327	359	444	424	438	480	336	418	364	377	428	368	269	5,032	17,180
Cases admitted to our own hospitals	28	17	19	10	19	20	19	15	11	8	24	12	8	19	201	764
Barom. (inches)	29	30.10	29.57	30.19	30.09	30.20	29.90	30.04	30.20	29.72	29.29	29.56	30.33	29.29	29.88	29.76
Attached Ther. °F ...	30	53.23	50.92	56.92	52.00	52.00	54.38	51.54	52.15	47.00	47.31	50.23	46.17	48.77	51.00	53.74
Dry bulb	31	52.62	50.23	55.92	47.46	48.23	51.54	48.46	46.77	40.07	42.23	47.61	36.58	46.31	47.30	52.07
Wet bulb	32	48.08	45.92	52.00	45.85	46.31	49.92	45.85	44.92	38.08	40.08	45.54	35.17	43.92	44.80	45.72
Humidity	33	72.00	73.31	76.85	89.15	86.62	89.15	79.92	86.77	84.15	83.46	85.54	88.17	83.38	82.93	73.42
Mn. of highest reading	34	56.43	53.86	60.43	57.14	51.43	53.00	51.43	49.71	43.28	46.00	48.86	39.14	48.43	50.11	55.95
" lowest "	35	44.71	43.57	49.43	43.86	45.71	46.43	42.00	42.14	35.57	38.57	40.71	33.14	36.86	41.59	43.93
" daily range "	36	11.72	10.29	11.00	13.28	5.72	6.57	9.43	7.57	7.71	7.43	8.15	6.00	11.57	8.52	12.02
Total rainfall (inches)	37	0.02	1.14	...	0.02	0.02	0.64	0.51	0.25	1.17	1.27	0.79	...	0.21	6.04	25.11
Wind { Direction ...	38	NW SW	NW SW	SE NW	SE	SENE	NE SE	SW	SW	NW	SW	SE SW	SE F	S SW	...	...
{ Force 0-6 ...	39	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
Amount of Cloud 0-10	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Birth-rate (Leeds) ...	41	28.2	32.0	35.0	29.4	32.2	31.1	32.4	31.1	29.7	31.6	30.7	22.9	32.5	30.7	31.63
Death-rate (Leeds) ...	42	18.2	16.6	19.0	16.2	19.2	19.4	24.8	22.7	26.2	21.4	23.1	18.0	28.0	21.0	20.0
Death-rate (33 towns)	43	16.2	16.9	16.9	17.6	18.1	19.0	18.6	20.2	19.8	20.8	20.6	17.7	24.9	19.0	19.1
Birth-rate (33 towns)	44	30.1	30.1	32.1	30.9	32.4	30.0	32.0	30.4	28.5	29.1	31.5	25.7	28.3	30.1	30.7
D.R. lung dis. (Leeds)	45	2.42	2.68	4.21	4.33	3.95	5.73	6.50	6.12	8.03	5.86	6.63	4.59	7.14	5.2	3.9
D.R. Measles "	46	0.13	0.26	0.13	0.76	0.64	1.15	1.02	0.51	1.27	1.78	1.02	1.15	0.76	0.8	0.4

The Dispensary returns are furnished me by the kindness of the resident staff, and have regard to a week ended in each case a day earlier than that given in the heading.

The meteorological data are compiled from returns sent me by Mr. Crowther. They are uncorrected readings, made at 10 a.m. and 4 p.m. The humidity each week is the average of the humidities calculated on each of the thirteen observations of the wet and dry bulbs. The corrected humidity in Mr. Glaisher's report for the quarter is, for the calendar month of October, 74; November, 86; December, 86. Average, 82 (September, 71).

* Including membranous croup. Line 19 includes non-spasmodic croup not returned as membranous.

TABLE F, Part 5.

Shewing Births, Deaths, from all and certain causes, Home Patients of the Dispensary, admissions to the Fever Hospitals, and some of the Meteorological conditions and the Death-rates from certain causes in Leeds; with the Birth and Death-rates from all causes in the 33 large English towns for each of the thirteen weeks ended April 2nd, 1898.

1898.		JANUARY.				FEBRUARY.				MARCH.					TOTALS OR AVERAGES.
		Jan. 8th.	Jan. 15th.	Jan. 22nd.	Jan. 29th.	Feb. 5th.	Feb. 12th.	Feb. 19th.	Feb. 26th.	Mar. 5th.	Mar. 12th.	Mar. 19th.	Mar. 26th.	April 2nd.	
Total Births	1	301	242	239	226	235	254	231	253	246	223	244	216	255	3,105
Total Deaths	2	167	159	161	129	147	138	137	178	157	148	151	147	195	2,014
Under 1 year	3	38	40	40	31	38	30	33	37	26	39	36	27	43	458
1 to 2 years	4	26	16	21	11	14	11	14	15	11	12	18	13	23	205
2 to 5 years	5	19	14	16	11	16	15	8	15	17	16	11	11	10	179
5 to 60 years	6	54	46	50	47	57	47	49	57	60	53	46	61	63	690
60 yrs. and upwards	7	30	43	34	29	22	35	33	54	43	28	40	35	56	482
Deaths: Small-pox..	8	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Measles	9	7	4	6	2	4	4	...	5	6	6	7	3	4	58
Scarlet Fever	10	...	1	...	4	5	3	4	2	3	1	3	7	2	35
*Diphtheria	11	2	2	7	4	6	3	2	4	4	...	3	2	1	40
Whooping-cough..	12	8	7	8	6	11	2	4	5	2	6	3	8	7	77
{ Typhus Fever	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Enteric Fever	14	3	1	2	2	...	...	1	5	...	1	...	1	1	17
{ Other or doubtful	15	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Diarrhoea or Dysent.	16	1	1	1	...	...	1	...	1	...	1	2	...	2	10
All seven	17	21	16	24	18	26	13	11	22	15	15	18	23	17	239
Cholera	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup	19	...	...	...	...	2	...	...	4	...	1	...	...	1	8
Dis. of Resp. System	20	52	39	30	30	24	28	30	40	35	29	36	28	52	453
Influenza†	21	...	1	...	...	...	2	2	2	1	4	4	1	3	20
Phthisis	22	8	8	14	13	9	15	9	11	15	12	9	10	13	146
Dis. of Circul. System	23	7	13	8	13	6	17	8	19	12	18	11	9	13	154
Violent Deaths	24	10	6	8	7	6	5	3	5	3	3	5	3	9	73
Inquest cases	25	17	19	16	14	11	12	15	12	6	16	12	15	17	182
Deaths in Pub. Inst.	26	17	11	23	13	24	23	11	20	19	22	23	16	29	251
Dispensary: visits pd.	27	345	458	397	315	312	323	398	444	413	382	376	417	437	5,017
Cases admitted to our own hospitals	28	15	9	12	11	17	26	14	9	12	14	9	11	11	170
Barom. (inches)	29	29.80	30.24	30.12	30.26	29.65	29.83	29.81	29.55	29.57	29.96	29.71	29.85	29.49	29.83
Attached Ther. °F...	30	51.23	50.00	52.70	51.31	50.38	49.92	48.92	44.00	46.92	43.85	50.38	47.77	45.70	48.70
Dry bulb	31	45.47	44.77	48.85	46.70	44.23	45.23	43.38	38.92	41.23	40.62	48.85	41.70	43.85	44.14
Wet bulb	32	43.77	42.92	46.62	43.77	42.46	43.08	40.85	36.08	37.85	37.15	44.54	38.00	40.31	41.34
Humidity	33	87.46	86.62	84.54	79.85	86.54	84.31	80.77	77.00	75.00	74.23	71.77	73.92	76.00	79.85
Mn. of highest reading	34	47.28	46.57	49.86	48.86	46.57	47.29	46.86	43.86	44.43	45.86	52.14	47.00	46.71	47.18
„ lowest „	35	41.71	40.57	43.86	42.14	39.86	39.43	37.57	32.00	34.86	31.29	41.43	34.57	35.00	38.02
„ daily range ..	36	5.57	6.00	6.00	6.72	6.71	7.86	9.29	11.86	9.57	14.57	10.71	12.43	11.71	9.16
Total rainfall (inches)	37	0.47	0.01	0.07	0.01	0.45	0.17	0.19	0.35	0.47	...	0.05	0.44	0.15	2.83
Wind { Direction ...	38	NW SE	SW	SW	SW	NW	NW	WSW	NW	NW	NW SE	NW SW	NW NE	NW	...
{ Force 0-6 ...	39	1	1	2	1	2	1	2	1	2	1	2	2	1	1
Amount of Cloud 0-10	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Birth-rate (Leeds) ...	41	37.7	30.3	29.9	28.3	29.4	31.8	28.9	31.7	30.8	27.9	30.6	27.0	31.9	30.5
Death-rate (Leeds)...	42	20.9	19.9	20.2	16.2	18.4	17.3	17.2	22.3	19.7	18.5	18.9	18.4	24.4	19.4
Death-rate (33 towns)	43	21.4	20.6	20.6	18.7	19.2	20.7	20.4	20.9	20.7	21.1	21.8	20.2	21.5	20.6
Birth-rate (33 towns)	44	35.5	32.3	31.1	31.6	30.1	32.7	29.9	30.5	30.6	31.2	31.3	27.8	32.6	31.3
D.R. lung dis. (Leeds)	45	6.5	4.9	3.8	3.8	3.0	3.5	3.8	5.0	4.4	3.6	4.5	3.5	6.5	4.4
D.R. 7 zymotics „	46	2.6	2.0	3.0	2.3	3.3	1.6	1.4	2.8	1.9	1.9	2.3	2.9	2.1	2.3

The Dispensary returns are furnished me by the kindness of the resident staff, and have regard to a week ended in each case a day earlier than that given in the heading.

The meteorological data are compiled from returns sent me by Mr. Crowther. They are uncorrected readings, made at 10 a.m. and 4 p.m. The humidity each week is the average of the humidities calculated on each of the thirteen observations of the wet and dry bulbs. The corrected humidity in Mr. Glaisher's report for the quarter is, for the calendar month of January, 85; February, 85; March, 80. Average, 83.

* Including membranous croup. Line 19 includes non-spasmodic croup not returned as membranous.

† Line 21 is included in line 20.

